

2135 Westchester Avenue Remedial Investigation Report

2135 Westchester Avenue – Bronx, NY
Block 3934, Lot 1
BCP Site # C203093

Submitted to:
New York State Department of Environmental Conservation
Division of Environmental Remediation
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CERTIFICATION

I, Matthew M. Carroll, certify that I am currently a Qualified Environmental Professional as defined in 6NYCRR Part 375 and that this Remedial Investigation Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10) and that all activities were performed in full accordance with the DER-approved work plan and any DER-approved modifications.



Matthew M. Carroll, PE

5/22/19
Date

1.0 INTRODUCTION

On behalf of C Plus Realty, LLC (the “Participant”), Tenen Environmental, LLC (Tenen) has prepared this Remedial Investigation Report (RIR) for the property located at 2135 Westchester (Block 3934, Lot 1) in the Borough of the Bronx, New York City, New York (the Site). The Site location and layout are identified on Figures 1 and 2. This RIR presents the methodology and findings of the remedial investigation (RI) conducted in accordance with the March 2018 Remedial Investigation Work Plan (RIWP), which was approved by the New York State Department of Environmental Conservation (NYSDEC).

The objective of the RI was to further investigate and characterize the nature and extent of contamination on Site and confirm prior investigation results. The scope of work included investigation of soil in areas not previously sampled, further assessment of groundwater conditions, and assessment of soil vapor conditions on and bordering the Site.

RI activities were conducted in March through July 2018. The results of this investigation were used to prepare the qualitative human health exposure assessment (EA) included in Section 6.0 of this RIR. This RIR has been prepared in accordance with the NYSDEC Division of Environmental Remediation (DER) Technical Guidance for Site Investigation and Remediation (DER-10, May 3, 2010) and the Brownfield Cleanup Agreement (BCA) between the Participant and NYSDEC effective October 16, 2017.

Prior Site investigations, detailed in Section 3, have confirmed the presence of on-Site contamination, specifically chlorinated solvents at concentrations above regulatory levels in environmental media. The soil, soil vapor and groundwater are impacted with tetrachloroethene (PCE), consistent with the historic use of the Site as a dry cleaner.

Based on the above, it was concluded that further investigation would be required to characterize the nature and extent of on- and off-Site soil, soil vapor and groundwater impacts to determine if contaminant levels related to historic Site operations threaten public health or the environment. To accomplish these objectives, the following RI tasks were completed between March and July 2018:

- Soil borings were advanced at five locations.
- Sixteen soil samples [including QA/QC samples] were collected at depths ranging from 0 to 21 feet below grade (ft-bg).
- Four permanent groundwater-monitoring wells were installed. Groundwater samples were collected from four newly-installed wells and from two previously-installed wells.
- Soil vapor samples were collected from two locations within the on-site building, from one location in each of three off-site buildings and from seven exterior locations. Co-located indoor air samples and four ambient air samples were collected.

The analytical results of the historic and RI sampling confirmed the presence of a delineated, on-site soil source of chlorinated solvent impacts associated with former Site operations as a dry cleaner. Elevated concentrations of PCE above applicable regulatory standards were found in soil within the source area and groundwater near the source area. Chlorinated solvents were historically detected in on-site sub-slab soil vapor at concentrations that require mitigation; sampling of on- and off-site sub-slab soil vapor/indoor air during the RI indicated that mitigation is not required.

1.1 Report Organization

This RIR details the findings of the RI tasks completed by Tenen from March to July 2018, including soil, groundwater and soil vapor sampling. The RI data was used to characterize the current environmental conditions at the Site. Data from prior investigations has also been summarized. This RIR is organized as follows:

- Section 1 – Introduction
- Section 2 – Background and Setting
- Section 3 – Previous Environmental Investigations
- Section 4 – Remedial Investigation Scope of Work
- Section 5 – Investigation Results
- Section 6 – Qualitative Exposure Assessment
- Section 7 – Summary
- Section 8 – References

Supporting tables, figures and appendices referenced throughout are included at the end of this report. As required by NYSDEC Division of Environmental Remediation (DER) Technical Guidance for Site Investigation and Remediation (DER-10) Section 3.13(c), the electronic data summary (EDS) – including results of all analyses, validated laboratory data sheets and laboratory deliverables is included as Appendix A.

2.0 BACKGROUND AND SETTING

This section includes a description of the Site and adjacent and surrounding area uses, and summaries of Site characteristics, historic operations and regulatory interactions.

2.1 Site Description and Surrounding Uses

The Site is located at 2135 Westchester Avenue in the Parkchester neighborhood of the Bronx, New York. The Site is an irregularly shaped parcel, identified by the New York City Department of Finance Office as Block 3934, Lot 1 with an area of approximately 0.33 acres. The Site is located at the corner of Westchester Avenue and Purdy Street in Bronx Community Board 9.

The Site is currently improved with a one-story building with a basement, a portion of which is operating as a self-service laundromat. The eastern portion of the building, a former dry cleaner, is vacant.

The area surrounding the Site is predominantly residential and commercial. The adjacent properties include mixed-use residential and commercial buildings to the north and east, and a commercial building occupied by a fast food restaurant to the south. A funeral home is located to the west of the property.

2.2 Site Characteristics

Site Topography

Based on the U.S. Geological Survey (Brooklyn-NY USGS 7.5 Minute Topographic Quadrangle) topographic map, the Site is located at an elevation of approximately 35 feet above mean sea level (msl). The Site is located in a relatively flat area, and the general downward slope of the surrounding region is to the east.

Site Geology and Hydrogeology

Bedrock was noted at depths of 14 to 21 feet below grade (ft-bg). Bedrock dips down to the east-northeast.

The overburden is composed predominantly of silt with some sand. Perched groundwater was encountered at depths ranging from approximately twelve to 13 ft-bg in shallow wells. Groundwater in two bedrock wells was encountered at approximately 12 ft-bg. Based on a well survey, the shallow groundwater flow has been measured to be toward the east, consistent with the bedrock dip, as shown in Figure 3. Groundwater is not present to the south, along Westchester Avenue, or the west, along Unionport Road.

Previous investigations at the Site documented groundwater concentrations of contaminants above the NYSDEC TOGS 1.1.1 Class GA Ambient Water Quality Standards and Guidance Values (AWQS). There are no known wellhead protection areas or specifically designated groundwater recharge areas in the vicinity of the Site. Groundwater in this area is not used as a source of potable water.

2.3 Site History and Historic Operations

In November 2014, a Phase I Environmental Site Assessment (Phase I ESA) was performed in accordance with ASTM E-1527-13, Standard Practice for Environmental Site Assessments. Based on a review of historic information, the historic use of the Site as a dry cleaner and funeral establishment was identified as a recognized environmental condition (REC). Based on the information included in the Phase I ESA, the duration of the funeral establishment activities was approximately 45 years and that of the dry cleaning activities approximately 16 years.

2.4 Regulatory Interaction

A Brownfield Cleanup Program application for the Site was submitted in June 2014 and a Letter of Completion was issued on July 5, 2017. Following a 30-day comment period, a Brownfield Cleanup Agreement (BCA #C203093-08-17) was executed on October 16, 2017. The applicant was accepted as a Participant. An RIWP for the Site was submitted in March 2018 and approved by NYSDEC on March 16, 2018.

3.0 PREVIOUS ENVIRONMENTAL INVESTIGATIONS

The findings of the 2014 Phase I ESA and 2015 and 2016 Phase II Subsurface Investigations conducted at the Site are included in the following reports and summarized below. Copies of the reports are included in the RIWP.

- *Phase I Environmental Site Assessment, 2135 Westchester Avenue, Bronx, New York. Cider Environmental, November 13, 2014.*
- *Limited Phase II Subsurface Investigation Report, 2135 Westchester Avenue, Bronx, New York. Odelphi Environmental (Odelphi), May 1, 2015.*
- *Limited Phase II Subsurface Investigation Report, 2135 Westchester Avenue, Bronx, New York. Odelphi Environmental, May 28, 2015.*
- *Volumetric Technologies LTD. "2135 Westchester Avenue, Bronx, New York Spill #1503069." Letter dated April 21, 2016.*

2014 Phase I ESA

A Phase I ESA conducted in November 2014 identified the historic uses of the Site as a funeral parlor and dry cleaner, operations that may have used chlorinated solvents and other chemicals, as Recognized Environmental Conditions (RECs). Site reconnaissance noted the presence of improperly labeled drums/containers and significant staining on the concrete slab within the Site building.

2015 Limited Subsurface Investigations

Soil and groundwater sampling was completed by Odelphi to further investigate the Phase I ESA findings. Three soil samples and one groundwater sample were collected and analyzed for volatile organic compounds (VOCs).

PCE was detected in two soil samples at a maximum concentration of 6.5 milligrams per kilogram (mg/kg), above the NYSDEC Part 375 Protection of Groundwater Soil Cleanup Objectives (SCOs). No other VOCs were detected above the applicable SCOs in soil samples.

PCE was detected in groundwater above the AWQS of 5 micrograms per liter (ug/L) at a maximum concentration of 72 ug/L. Trichloroethene (TCE) and cis-1,2-dichloroethene (cis-1,2-DCE) were also detected in groundwater above the AWQS.

2016 Phase II Subsurface Investigations

Soil vapor, indoor air, ambient air and groundwater sampling was completed by Volumetric Technologies to further investigate the 2015 subsurface investigation findings. One sub-slab soil vapor sample, one indoor air sample and one ambient air sample were collected in one day. Five groundwater samples, from two locations over three rounds, were collected and analyzed for volatile organic compounds.

The New York State Department of Health (NYSDOH) Decision Matrices (updated May 2017) for TCE, cis-1,2-DCE and 1,1-DCE indicate that mitigation is required; for PCE, the Matrices indicate that the concentrations should be monitored. PCE was detected in

soil vapor at a concentration of 444 micrograms per cubic meter (ug/m³). Other detected chlorinated VOCs in soil vapor include TCE (161 ug/m³), cis-1,2-DCE (99.3 ug/m³) and 1,1-DCE (67.7 ug/m³). Some petroleum-related compounds were also detected in the soil vapor samples. PCE was detected in indoor air at a maximum concentration of 7.05 ug/m³.

PCE was detected in the groundwater above the AWQS at a maximum concentration of 928 ug/L. TCE and cis-1,2-DCE were also detected in groundwater above the AWQS. Multiple attempts to install groundwater wells to the south and southeast side of the Site resulted in refusal at approximately 15 feet below grade (ft-bg).

The 2015/2016 Phase II Subsurface Investigation reports are provided in the RIWP. Laboratory reports for the 2016 Soil Vapor Investigation are also provided in the RIWP; no formal investigation report was prepared. Prior sample locations are shown on Figures 3 through 5.

3.1 Summary

The November 2014 Phase I ESA identified the historic uses of the Site as a funeral parlor and a dry cleaner as RECs.

The findings of the prior environmental investigations indicate the presence of the chlorinated solvent PCE within the shallow soil at elevated concentrations within the area adjacent to the former dry cleaning equipment. The chlorinated solvents PCE, TCE and cis-1,2-DCE were also detected above the AWQS within the groundwater at the Site.

PCE was detected in one soil vapor sample at a concentration of 444 ug/m³. The NYSDOH Decision Matrices for PCE, TCE, cis-1,2-DCE and 1,1-DCE indicate that mitigation is required. Some petroleum-related compounds were also detected in the soil vapor samples.

4.0 REMEDIAL INVESTIGATION SCOPE OF WORK

The RI, as described in the approved RIWP, included the installation and sampling of soil borings, soil vapor sampling points and monitoring wells. The NYSDOH General Community Air Monitoring Program (CAMP) was instituted during all ground-intrusive activities. CAMP results are included in Appendix B.

The field activities were conducted between March 28, 2018 and July 12, 2018.

Analytical results for soil, groundwater and soil vapor were compared to the following:

- Soil – NYSDEC Protection of Groundwater and Restricted-Residential Use SCOs.
- Groundwater – NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values and United States Environmental Protection Agency (EPA) Drinking Water Health Advisory.
- Sub-slab soil vapor and indoor air – NYSDOH Guidance
- Exterior soil vapor – ambient air concentrations.

All sampling locations are depicted on Figure 2.

4.1 Soil Sampling

4.1.1 Soil Sampling Scope of Work

The soil investigation described in the RIWP included the advancement of ten soil borings to further investigate previously detected contamination in the soil, and vertically delineate its extent across the Site.

A subsurface soil investigation was performed on May 23, 2018; the scope of work consisted of the following:

- Advance five interior soil borings (S1-C, S1-N, S1-E, S1-S and S1-W) and five exterior soil borings (SB-1 through SB-5);
- Collect soil samples in the area of the highest previously-detected contamination and in areas of the Site that were not previously investigated;
- Collect soil samples from each boring to characterize and delineate potential impacts;
- Analyze soil samples for Part 375 SCOs.

4.1.2 Soil Sampling Methodology

A core drill and hand auger were used to advance interior soil borings S1-C, S1-N, S1-E, S1-S and S1-W. A direct-push Geoprobe® was used to advance exterior soil borings SB-1 through SB-5. The sampling methodology is detailed below.

In general, selected soil intervals were screened between grade and the bedrock interface, ranging from approximately 14 to 21 ft-bg. At all soil boring locations, the collected soil volumes were screened with a PID and visual (e.g., source areas – sumps, floor drains, stains, sheens, blebs, presence of NAPL, etc.) and olfactory observations were recorded in boring logs [Appendix C]. If evidence of VOC impacts were detected and drilling conditions allowed, the borehole was extended vertically until no impacts were detected. The full extent of each boring was screened, and samples were collected based upon field observations and readings. If VOC contamination was detected, a sample was collected, at a minimum, at the interval of highest suspected contamination and at the first interval apparently not impacted by VOCs. If VOC contamination was not detected, soil samples were collected, at a minimum, from the two-foot interval directly above the bedrock interface.

Samples were collected in laboratory-supplied glass jars and were sealed, labeled, and placed in a cooler containing ice (to maintain a temperature of approximately 4 degrees Celsius) for delivery to Alpha Analytical Laboratories, a New York State Department of Health (NYSDOH) Environmental Laboratory Accreditation Program (ELAP)-certified analytical laboratory. Soil samples were analyzed for Part 375 SCOs.

The table below summarizes the sample designations, locations and depths.

Sample Designation (depth in ft-bg.)	Sample Location
SB-1 (1-5)	Exterior Boring
SB-1 (20-21) / DUP ¹	Exterior Boring
SB-2 (1-5)	Exterior Boring
SB-2 (13-14)	Exterior Boring
SB-3 (1-5)	Exterior Boring
SB-3 (15-16)	Exterior Boring
SB-4 (0-5)	Exterior Boring
SB-4 (18-20)	Exterior Boring
SB-5 (1-2)	Exterior Boring
SB-5 (15-17)	Exterior Boring
S1-C (0.5-1)	Interior Boring
S1-N (0.5-1.5)	Interior Boring
S1-E (0-0.5)	Interior Boring
S1-S (0-0.5)	Interior Boring
S1-W (0-1)	Interior Boring

¹ Duplicate sample.

A record of each sample, including PID readings, notation of any odors, color, and other observations of the sample matrix, was kept in the sampler's field logbook. A chain of custody was maintained throughout the field sampling, transport of samples to the

laboratory, and during lab analysis. All soil borings were backfilled with drill cuttings that were determined to not be grossly contaminated and/or clean sand.

4.2 Soil Vapor Sampling

4.2.1 Soil Vapor Sampling Scope of Work

The following scope of work was proposed to investigate potential soil vapor impacts in areas that were not previously investigated, to confirm previous sampling results and to develop information needed for the qualitative exposure assessment.

Soil vapor sampling occurred during two separate events: off-site and on-site interior sub-slab soil vapor and indoor air sampling was conducted on March 28, 2018 before the end of the heating season; exterior soil vapor sampling and additional on-site sub-slab soil vapor sampling was conducted on July 12, 2018. The scope of work for both events consisted of the following:

- Installation of two on-site interior sub-slab soil vapor points (2135W-SV-1 and SS-2) to a depth of two inches below the slab;
- Installation of three off-site interior sub-slab soil vapor points (1310P-SV1, 2151W-SV1 and 1311P-SV1);
- Installation of seven exterior soil vapor points (SV-1 through SV-7) to a depth of three ft-bg;
- Purging and collection of soil vapor samples at each location;
- Collection of ambient air samples (one per event);
- Collection of five co-located indoor air samples; and,
- Analysis of soil vapor and ambient air samples for TO-15 VOCs.

Exterior soil vapor sampling points were installed along the eastern and southern Site boundaries. Two on-site interior sub-slab soil vapor points were installed beneath the foundation slab of each portion of the building. Three off-site interior sub-slab soil vapor points were installed at buildings north and east of the Site. One indoor air sample was collected in the vicinity of each sub-slab soil vapor sample vapor over an eight- or 24-hour duration based on the use. Ambient air samples were collected over an eight- or 24-hour duration in the upwind direction during soil vapor sampling events.

4.2.2 Soil Vapor Sampling Methodology

All samples were collected in general accordance with the *Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York* (NYSDOH, October 2006).

Interior sub-slab soil vapor points were installed using a hand held rotary hammer. Access to the sub-slab soil was gained by drilling through the top surface material (concrete and flooring material) using a drill bit. Upon penetration through the surface material, a disposable Vapor Pin® was set no more than two inches below the slab.

A direct-push track-mounted Geoprobe® was used to install the exterior soil vapor sampling probes. Access to the subsurface soil was gained by drilling through the soil surface using the truck-mounted Geoprobe. Upon penetration through the surface material, a disposable sampling probe, consisting of a 1.5-inch long hardened point and a six-inch long perforated vapor intake, was installed at the target depth. The screen was surrounded by #1-size quartzite sand to approximately one foot above the top of the screen. The screen and sand pack were isolated from ambient air by placing wetted bentonite pellets to grade.

The soil vapor sampling probe was connected to 3/8-inch diameter tubing to the surface. The borehole above the sampling probe to grade was sealed using a sand pack and an inert sealant to prevent ambient air mixing with the soil vapor. Ambient air was purged from the boring hole by attaching the surface end of the 3/8-inch diameter 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 all soil vapor sample collection.

All soil vapor samples were screened for organic vapors using a PID. Samples were collected in 2.7-liter Summa canisters. Commercial exposure (Site) samples were collected over an eight-hour duration; residential exposure (off-site) samples were collected over a 24-hour duration. The flow rate of both purging and sampling did not exceed 0.2 liters per minute (L/min). A sample log sheet was 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 and the vacuum of canisters before and after the samples were collected, as included in Appendix C.

Helium tracer gas was used as a quality assurance/quality control (QA/QC) measure to verify the integrity of the soil vapor probe seal. A portable monitoring device was used to analyze a sample of soil vapor for the tracer gas prior to sampling. If this analysis showed a significant presence of the tracer, the probe seals were adjusted to prevent infiltration. At the conclusion of the sampling, tracer monitoring was performed a second time to confirm the integrity of the probe seals.

The indoor air and ambient air samples were collected from breathing height (four to six feet above the slab). The sampling flow rate did exceed 0.2 liters per minute (L/min). Commercial exposure (Site) samples were collected over an eight-hour duration; residential exposure (off-site) samples were collected over a 24-hour duration.

The summa canisters were transported to Alpha Analytical Laboratories, a New York State ELAP-certified laboratory, under chain of custody procedures and the samples analyzed for VOCs using EPA method TO-15.

4.3 Groundwater Sampling

The following scope of work was proposed to further characterize the groundwater at the Site and develop information for use in the qualitative exposure assessment:

- Groundwater samples were collected from two-previously installed permanent monitoring wells, MW-1 and MW-2 and four newly-installed permanent monitoring wells, MW1B, MW-3S, MW-4S and MW-4B;
- Groundwater samples analyzed for Part 375 list compounds; 1,4-dioxane and perfluoroalkyl acids (PFAAs);
- Newly installed wells were surveyed.

4.3.1 Monitoring Well Locations and Rationale for Placement

Shallow monitoring well MW-3S was installed within the Site parking area and shallow monitoring well MW-4S was installed downgradient of the Site in the sidewalk of Purdy Street. Bedrock monitoring well MW-1B was co-located with shallow well MW-1, located in the parking area of the Site and bedrock monitoring well MW-4B was co-located with shallow well MW-4S. These wells were installed to further assess groundwater conditions and flow direction beneath the Site.

4.3.2 Groundwater Well Installation and Sampling

Two permanent shallow monitoring wells (MW-3S and MW-4S) were constructed using 2" diameter slotted PVC well screen. The annular space around the well was backfilled with No. 2 Morie quartz sand to a depth of 1' above the top of the well screen. Both wells were constructed of approximately five feet of 0.02 slot screen and finished with PVC riser. Two permanent bedrock wells (MW-1B and MW-4B) were constructed using a sealed steel riser set into an open borehole. Monitoring well construction logs are included in Appendix D.

All wells were developed following installation by pumping using dedicated Teflon tubing. Newly installed (MW-3S, MW-4S, MW-1B and MW-4B) and previously installed wells (MW1 and MW-2) were sampled approximately one week after development. All sampling equipment was decontaminated prior to use. Prior to sampling, water levels were measured using an electronic product-water level indicator and recorded in the field logbook.

Water quality measurements, including temperature, pH, oxidation-reduction potential (ORP), turbidity, dissolved oxygen (DO) and total dissolved solids (TDS) were collected and recorded at approximate 15-minute intervals. Samples were collected only after temperature, pH and DO stabilized to within 10 percent of the previous reading and turbidity was below 50 Nephelometric Turbidity Units (NTUs). Sufficient sample volume was collected for each analysis. All samples were collected in glass containers and preserved in accordance with the Quality Assurance Project Plan (QAPP). Water quality measurements are provided in Appendix D.

Samples were collected using low-flow techniques in accordance with EPA Region 1 Low-Stress (Low-Flow) "Purging and Sampling Procedure for the Collection of Groundwater Samples from Monitoring Wells", (EQASOP-GW 001, Revision 3, dated

July 30, 1996; Revised: January 19, 2010). All groundwater samples were analyzed for Part 375 SCO's (with total and dissolved metals), 1,4-dioxane and PFAAs.

Development and purge water was containerized for disposal, characterized and disposed off-site.

All wells were surveyed to a common datum; the survey is included in Appendix D.

4.4 Quality Assurance / Quality Control (QA/QC)

All samples were collected in accordance with the Quality Assurance Project Plan (QAPP) included as Appendix A of the RIWP. A Data Usability Summary Report (DUSR) was also prepared and is included in Appendix A of this RIR.

4.5 Deviations from the RIWP

The RIWP included installing and sampling two additional monitoring wells [MW-5S and MW-6S]. Perched water was not detected in borings advanced at these locations and monitoring wells were not installed.

5.0 INVESTIGATION RESULTS

This section provides a discussion of the results of the June – July 2018 RI soil, groundwater and soil vapor investigations. Sample results are included in Tables 1 through 9. All results are summarized in Figures 4 through 7 and laboratory deliverables are included in Appendix A.

As previously noted, sample results were compared to the following:

- Soil – NYSDEC Protection of Groundwater and Restricted-Residential Use SCOs.
- Groundwater – NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values (AWQS) and EPA Drinking Water Health Advisory.
- Sub-slab soil vapor and indoor air – NYSDOH Guidance
- Exterior soil vapor – ambient air concentrations.

5.1 Field Observations

Soil and Bedrock

Shallow soil samples collected throughout the Site generally consisted of silt with some sand. Varying amounts of fill material were noted. No petroleum odors or staining were noted in any soil borings. Soil boring logs from the remedial investigation are included in Appendix C.

Bedrock is dipping to the east-northeast. This is consistent with regional USGS bedrock contours.

Groundwater

The depth to groundwater was measured from top of casing in monitoring wells MW-1, MW-1B, MW-2, MW-3S, MW-4S and MW-4B. The measured depth to groundwater ranged from 11.96 ft-bg in MW-4S to 12.55 ft-bg in MW-1 and MW-4B. No sheen was observed during groundwater sampling. Depth to water and water quality measurements are summarized in Appendix D. Based on the results of the well survey, groundwater flow within the perched groundwater is generally to the east. A groundwater contour map is included as Figure 3. A well survey is included in Appendix D.

Based on soil core logging, groundwater was not present in the western portion of the Site due to elevated bedrock. This is similar to the absence of groundwater due to shallow bedrock to the south, along Westchester Avenue, as reported in previous sampling events. Based on these observations, groundwater monitoring wells were not installed in the western portion of the parking area, as proposed in the RIWP.

Soil Vapor

PID readings ranged from 0.0 parts per million (ppm) to 20.7 ppm (SV-1).

5.2 Analytical Results

5.2.1 Soil

A total of 16 soil samples, including one duplicate, were collected from varying intervals at the ten boring locations shown on Figure 2, and analyzed for Part 375 SCO, including VOCs, semivolatile organic compounds (SVOCs), pesticides, polychlorinated biphenyls (PCBs) and metals.

Sample results were compared with the New York State Part 375 Protection of Groundwater and Restricted-Residential Use SCO. Restricted-Residential Use SCO are appropriate given the proposed future use of the Site. The soil analytical results are discussed below. Soil analytical results above the SCO are depicted on Figure 4.

VOCs

One VOC, acetone, a common laboratory artifact, was detected in sample S1-E (0-0.5) above the Protection of Groundwater SCO of 0.05 mg/kg at 0.064 mg/kg. No other VOCs were detected above the Protection of Groundwater or Restricted Residential SCO.

This includes the delineation samples around sample S1, collected in 2015, which was the only soil sample with PCE above the Protection of Groundwater SCO.

SVOCs

No SVOCs were detected above the Restricted-Residential SCO or the Protection of Groundwater SCO in any of the samples collected.

Pesticides and PCBs

No pesticides or PCBs were detected above the Restricted-Residential Use SCO or the Protection of Groundwater SCO in any of the samples collected.

Metals

Barium was detected in S1-C (0.5-1) above the Restricted Residential SCO (400 mg/kg) at a concentration of 598 mg/kg. Cadmium was detected in SB-3 (1-5) above the Restricted Residential SCO (4.3 mg/kg) at a concentration of 7.56 mg/kg. Lead was detected in SB-3 (1-5) above the Restricted Residential SCO (400 mg/kg) at a concentration of 1,100 mg/kg. No other metals were detected above the Restricted Residential Use SCO.

While cadmium, lead, nickel and selenium were detected above the Protection of Groundwater SCO these metals were not detected above the AWQS in any groundwater sample.

Summary of Soil Analytical Results

- One VOC, acetone, a common laboratory artifact, was detected in one sample at a concentration above the Protection of Groundwater SCO.
- No SVOCs, pesticides or PCBs were detected above the Restricted-Residential or the Protection of Groundwater SCO in any of the samples collected.

- Barium, cadmium and lead were detected at concentrations above the Restricted-Residential Use SCOs.

5.2.2 Groundwater

Groundwater samples were collected from monitoring wells MW-1, MW-1B, MW-2, MW-3S, MW-4S, and MW-4B. Groundwater samples were collected using low-flow techniques. Analytical results were compared to the Ambient Water Quality Standards (AWQS) and are discussed below. Groundwater analytical results above the Ambient Water Quality Standards are depicted on Figure 5.

VOCs

PCE was detected in groundwater samples MW-1, MW-1B, MW-2, and MW-3S above the AWQS of 5 ug/L at concentrations ranging from 5.6 ug/L to 1,300 ug/L.

Degradation compounds of PCE were also detected above the AWQS. Trichloroethene (TCE) was detected in monitoring wells MW-1, MW-1B and MW-2 above the AWQS of 5 ug/L at concentrations ranging from 170 to 1,900 ug/L. Cis-1,2-dichloroethene was detected in wells MW-1, MW-1B and MW-2 above the AWQS of 5 ug/L at concentrations ranging from 46 to 420 ug/L. Trans-1,2-dichloroethene was detected in well MW-1B above the AWQS of 5 ug/L at a concentration of 76 ug/L. Vinyl chloride was detected in well MW-1B above the AWQS of 2 ug/L at a concentration of 2.9 ug/L.

One petroleum-related compound, benzene, was detected in groundwater sample MW-2 above the AWQS of 1 ug/L at a concentration of 1.1 ug/L.

VOCs were not detected in monitoring wells MW-4S and MW-4B at concentrations above the AWQS.

SVOCs

Benzo(a)anthracene was detected in monitoring well MW-1B above the AWQS of 0.002 ug/L at a concentration of 0.06 ug/L. Chrysene was detected in well MW-1B, above the AWQS of 0.002 ug/L, at a concentration of 0.05 ug/L.

Pesticides and PCBs

Dieldrin was detected in monitoring well MW-1, above the AWQS of 0.004 ug/L, at a concentration of 0.021 ug/L.

Metals, Total and Dissolved

Several naturally occurring metals were detected in groundwater samples above the AWQS as follows: dissolved iron was detected in monitoring well MW-1 at a concentration of 1,530 ug/L, above the AWQS of 300 ug/L. Dissolved magnesium was detected in well MW-1 at a concentration of 69,700 ug/L, above the AWQS of 35,000 ug/L. Dissolved manganese was detected in wells MW-1 and MW-1B above the AWQS of 300 ug/L, at concentrations of 1,718 and 750.1 ug/L, respectively. Dissolved sodium was also detected in wells MW-1 and MW-1B above the AWQS of 20,000 ug/L, at concentrations of 65,100 and 33,100 ug/L, respectively.

Total antimony was detected in monitoring well MW-1B at a concentration of 5.26 ug/L, above the AWQS of 3 ug/L. Total iron was detected in wells MW-1 and MW-1B at concentrations of 9,650 and 608 ug/L, above the AWQS of 300 ug/L. Total magnesium was detected in well MW-1 at a concentration of 72,400 ug/L, above the AWQS of 35,000 ug/L. Total manganese was detected in wells MW-1 and MW-1B at concentrations of 76,400 and 34,200 ug/L, respectively, above the AWQS of 300 ug/L. Total sodium was detected in wells MW-1 and MW-1B at concentrations of 76,400 and 34,200 ug/L respectively, above the AWQS of 20,000 ug/L. Total zinc was detected in well MW-1B at a concentration of 5,352 ug/L, above the AWQS of 2,000 ug/L.

Emerging Contaminants

Perfluorooctanesulfonic acid (PFOS) was detected at 95.9 nanograms per liter (ng/L) in monitoring well MW-2 and perfluorooctanoic acid (PFOA) was detected at 70.4 ng/L in well MW-4B, both above the USEPA 70 ng/L drinking water health advisory.

Summary of Groundwater Analytical Results

- PCE was detected in four groundwater samples, MW-1, MW-1B, MW-2, and MW-3S, at a maximum concentration of 1,300 ug/L. Degradation compounds detected in groundwater include TCE in wells MW-1, MW-1B and MW-2, at a maximum concentration of 1,900 ug/L. Cis-1,2-dichloroethene was detected in wells MW-1, MW-1B and MW-2 at a maximum concentration of 420 ug/L. Trans-1,2-dichloroethene was detected in well MW-1B at a maximum concentration of 76 ug/L. Vinyl chloride was detected in well MW-1B at a maximum concentration of 2.9 ug/L.
- The source of the VOCs is assumed to be the soil impacts located beneath the basement. Infiltrated water from along Westchester Avenue flows on top of the bedrock interface, which eventually concentrates in the area of the perched water in the eastern portion of the parking lot.
- Benzene was detected in sample MW-2 at a concentration exceeding the AWQS.
- SVOCs benzo(a)anthracene and chrysene were both detected in groundwater sample MW-1B at concentrations exceeding the AWQS.
- The pesticide dieldrin was detected in MW-1 at a concentration exceeding the AWQS.
- Dissolved iron, dissolved magnesium and total magnesium were detected in groundwater sample MW-1 at concentrations exceeding the AWQS. Total antimony and total zinc were detected in groundwater sample MW-1B at concentrations exceeding the AWQS. Dissolved manganese, dissolved sodium, total iron, total manganese and total sodium were detected in groundwater samples MW-1 and MW-1B at concentrations exceeding the AWQS.
- PFOS and PFOA were detected above the USEPA drinking water health advisory; the groundwater at the Site is not potable and drinking water is provided by NYCDEP from upstate reservoirs.

5.2.3 Exterior Soil Vapor and Ambient Air

Exterior soil vapor samples were collected at seven locations (SV-1 to SV-7). One ambient air sample was collected during the event (AMBIENT) and used as a basis for comparison. All samples were analyzed for VOCs using USEPA method TO-15, and the results compared to the ambient air concentrations.

Concentrations of chlorinated solvents and petroleum-related compounds were detected in soil vapor above levels detected in the ambient air sample. Chlorinated compounds detected include PCE [max: 33.6 micrograms per cubic meter (ug/m^3)] and chloromethane (max: 19 ug/m^3). Petroleum-related compounds include: benzene (max: 51.8 ug/m^3), p/m-xylene (max: 2.13 ug/m^3), n-hexane (max: 53.2 ug/m^3), toluene (max: 4.86 ug/m^3), and 2-butanone (max: 202 ug/m^3). Concentrations of dichlorodifluoromethane, carbon disulfide, chloroform, tert-butyl alcohol, cyclohexane Ethanol, trichlorofluoromethane, isopropanol, acetone, 2,2,4-trimethylpentate, 4-methyl-2-pentanone, 2-hexanone, and styrene were also detected above ambient concentrations. The highest concentrations of chlorinated VOCs were detected in sample SV-7 and the highest concentrations of petroleum-related compounds were detected in SV-5.

No compounds were detected in indoor air samples above levels detected in the ambient air sample.

PCE was detected in three of the exterior soil vapor points (SV-3, SV-5 and SV-7) at concentrations ranging from 11.4 ug/m^3 to 33.6 ug/m^3 .

Summary of Soil Vapor Analytical Results

- Elevated (above ambient levels) concentrations of PCE in soil vapor were detected at four soil vapor locations, with a maximum concentration of 33.6 ug/m^3 .
- Several petroleum-related compounds, including benzene, xylenes, and n-hexane, were detected in soil vapor concentrations above the ambient concentrations.

5.2.4 Interior Sub-slab Soil Vapor, Co-located Indoor Air and Ambient Air

Interior sub-slab soil vapor samples, a co-located indoor air sample and an ambient air sample were collected on-site and at three off-site locations. All samples were analyzed for VOCs using USEPA method TO-15, and the results were compared to the New York State Department of Health (NYSDOH) Air Guideline Values (AGVs) and the NYSDOH Decision Matrices.

On-Site

PCE was detected in both sub-slab soil vapor samples collected on-Site, at concentrations of 0.841 and 1.97 ug/m^3 and detected in both indoor air sample at a concentrations of 1.5 and 1.6 ug/m^3 . TCE was detected in both on-Site sub-slab soil vapor samples at concentrations of 0.134 and 1.99 ug/m^3 and in one indoor air sample at a concentration of 3.76 ug/m^3 . The NYSDOH Decision Matrices for all compounds, except TCE, is: No

Further Action. In one location (IA-2/SS-2 pair), the Decision Matrix for TCE is: “Identify Source(s) and Resample or Mitigate. The concentration of TCE in indoor air is above the NYSDOH long-term exposure AGV of 2 ug/m³. The concentration of TCE is higher in the indoor air as compared to the sub-slab and consistent with the concentration detected in the ambient air sample (IA-2 3.76 ug/m³ compared to ambient concentration of 3.42 ug/m³). No compounds were detected in indoor air in exceedance of the NYSDOH AGVs.

Off-Site

One sub-slab soil vapor sample, co-located indoor air and ambient air sample was collected at the property “1310P”. PCE and TCE were not detected in the sub-slab soil vapor sample. PCE was detected in indoor air at a concentration of 0.848 ug/m³; TCE was not detected. The NYSDOH Decision Matrices for all compounds is: No Further Action. No compounds were detected in indoor air in exceedance of the NYSDOH AGVs.

One sub-slab soil vapor sample, co-located indoor air and ambient air sample was collected at the property “2151W”. PCE and TCE were not detected in the sub-slab soil vapor sample. PCE was detected in indoor air at a concentration of 1.42 ug/m³; TCE was not detected. The NYSDOH Decision Matrices for all compounds is: No Further Action. No compounds were detected in indoor air in exceedance of the NYSDOH AGVs.

One sub-slab soil vapor sample, co-located indoor air and ambient air sample was collected at the property “1311P”. PCE and TCE were detected in the sub-slab soil vapor sample at concentrations of 15.6 and 2.01 ug/m³, respectively and in indoor air at concentrations of 5.36 and 0.425 ug/m³, respectively. The NYSDOH Decision Matrices for all compounds is: No Further Action. No compounds were detected in indoor air in exceedance of the NYSDOH AGVs.

6.0 QUALITATIVE EXPOSURE ASSESSMENT

A qualitative exposure assessment (EA) has been completed in accordance with Section 3.3(c)4 of DER-10 and the NYSDOH guidance for performing a qualitative EA (NYSDEC DER-10; Technical Guidance for Site Investigation and Remediation; Appendix 3 B).

The objectives of the qualitative exposure assessment are to evaluate and document how humans might be exposed to Site-related contaminants and to assess whether there are any complete or potentially complete exposure pathways under the current and reasonably anticipated future land use of the Site.

An exposure pathway describes the means by which an individual may be exposed to contaminants originating from a site. An exposure pathway has five elements: (1) a contaminant source; (2) contaminant release and transport mechanisms to an exposed population; (3) a receptor population; (4) a route of exposure; and (5) a point of exposure to a receptor population. The following sections discuss the potential exposure pathways to chlorinated solvents at the Site. A table describing the environmental media, potential exposure routes and a human exposure assessment is included at the end of this section.

6.1 Contaminant Sources

Based on the results of previous sampling and the RI, the contaminants of concern at the Site include chlorinated VOCs (cVOCs), mainly PCE and its degradation compounds.

The soil, soil vapor and groundwater are impacted with PCE, consistent with the historic use of the Site as a dry cleaner for a period of at least 16 years. CVOCs have been detected in soil, soil vapor and groundwater at concentrations above applicable regulatory and/or ambient levels.

6.2 Contaminant Release and Transport Mechanisms

The shallow soil beneath the historic dry cleaner is impacted with cVOCs at one location and the extent of these impacts has been delineated. These impacts are likely related to the historic dry cleaning operations. Analytical results from soil samples collected as part of this RI indicate that PCE in soil is limited to this area.

The distribution of groundwater impacts supports a relationship between the soil source area and chlorinated solvent concentrations in groundwater at the Site; downgradient wells in the direction of off-site receptors do not contain cVOCs above the AWQS. CVOCs were detected in soil vapor and indoor air at the Site and adjoining properties at concentrations that do not require mitigation.

6.3 Potential Receptor Populations

The potential on-site receptors include Site workers (workers who currently occupy the commercial space of the onsite building), construction workers, visitors or trespassers. The potential off-site receptors include off-site workers and off-site residents.

6.4 Potential Routes and Points of Exposure

The findings of prior investigations indicate cVOCs above regulatory levels in soils at depths extending from the cellar level to the bedrock interface, an approximate average thickness of one foot. There is potential for exposure via these pathways during ground-intrusive sampling and Site remediation. Exposure of environmental professionals during sampling will be mitigated by adherence to a health and safety plan (HASP). During remediation activities, the potential for exposure of Site construction workers and nearby residents to contaminated soil via on-site handling and off-site transportation of disturbed soil will be avoided by implementation of a CAMP and HASP.

Concentrations of VOCs were detected above the Class GA Standards, which were developed to be protective of public health based upon groundwater as a potential drinking water source. While concentrations of these constituents exceed Class GA Standards, exposure to contaminants via drinking water is not applicable to the Site given the fact that the Site and surrounding community are supplied by an upstate New York municipal system.

Dermal and inhalation exposure to VOCs in groundwater, based on the depth to groundwater, should be limited to workers involved in construction dewatering and excavation below the groundwater table and Site workers collecting groundwater samples for environmental analysis. These exposures would be mitigated by adherence to a HASP during sampling activities and a CAMP and HASP during construction.

Exposure to contaminants in soil and groundwater is currently, and will continue to be, mitigated by the Site building and an asphalt-paved parking lot, which covers the entire Site footprint. During redevelopment, if impacts to soil and groundwater remain, the cap will be replaced.

There is potential for volatilization of chlorinated solvent compounds into ambient air and indoor air. Exposure to Site workers and nearby residents during remediation will be mitigated by adherence to a HASP during sampling activities and to a HASP and CAMP during remediation. Indoor air within the onsite building would not be a potential inhalation route of exposure because impacted soil and groundwater (the source of the soil vapor impacts) will be remediated under an approved remedial action work plan.

6.5 Summary of Qualitative Exposure Assessment

The table below summarizes the potential exposure routes and receptors and presents a human exposure assessment for each.

Potential Exposure Route	Potential Receptors	Human Exposure Assessment
Dermal contact with surface soils and incidental ingestion	Site workers during sampling activities and construction workers during site remediation.	The potential for on- and off-site exposure during ground-intrusive activities will be avoided by implementation of a HASP and CAMP during sampling events and Site redevelopment. Current exposure will be prevented by the Site building and paved parking lot, which cover the entire Site.
Ingestion of groundwater	Area residents through ingestion of groundwater.	Groundwater is not nor will be used as a potable source for the Site or surrounding community. Potable water is provided from reservoirs in upstate New York by the New York City Department of Environmental Protection (NYCDEP).
Dermal contact with groundwater/ Inhalation of volatile groundwater constituents	Site workers during sampling activities and construction workers during site remediation.	Exposure will be avoided by having environmental professionals sampling groundwater and workers engaged in construction dewatering adhering to a HASP. Current exposure will be prevented by the Site building and paved parking lot, which cover the entire Site.

Potential Exposure Route	Potential Receptors	Human Exposure Assessment
Inhalation of vapors	• Current building occupants and construction workers and nearby residents during site remediation.	• Elevated ambient levels are not currently present. • Exposures during Site remediation will be mitigated through implementation of a HASP and CAMP • Remediation will include excavation of the CVOC source area and remediation of the groundwater below the Site, both of which will eliminate this pathway.

7.0 SUMMARY

Based on the results of the RI and previous investigations, the following summary has been prepared:

Site History

- A portion of the Site was operated by a dry cleaning facility for approximately 16 years.

Geology/Hydrogeology

- The Site is underlain by silt and sand to bedrock, which is encountered between 14 and 21 ft-bg. Bedrock is dipping to the east-northeast based on Site observations and USGS bedrock contours.
- Perched groundwater was encountered between approximately twelve and 13 ft-bg and flows in an easterly direction. Groundwater was not encountered along Westchester Avenue or in the western portion of the parking lot.
- Groundwater was encountered in two bedrock wells at approximately 12 ft-bg.

Chlorinated Solvents

- PCE impacts were detected in soil, groundwater and soil vapor.
- The results of historic sampling and the RI indicate that there is a PCE source area in soil located beneath the cellar of the historic dry cleaner. PCE was vertically and horizontally delineated in soil as part of this RI and is estimated to be limited to a 200 square foot area having a depth of one foot, as shown on Figure 8.
- Chlorinated solvents were detected above the AWQS in groundwater collected near the source area (shallow and deep wells) and immediately downgradient of the source area in shallow wells. The farthest downgradient shallow and deep wells, across Purdy Street, did not contain cVOCs above the AWQS.
- The source of the VOCs in groundwater is assumed to be the soil impacts located beneath the basement. Infiltrated water from along Westchester Avenue flows on top of the bedrock interface, which eventually concentrates in the area of the perched water in the eastern portion of the parking lot.
- CVOCs were detected in exterior soil vapor at generally low concentrations but above those detected in the ambient air.
- Historic sub-slab soil vapor sampling indicated that mitigation was required at the Site. Off-site sub-slab soil vapor and indoor air sampling during the RI indicated that mitigation was not required at the tested off-site locations.
- The concentration of TCE in one on-site indoor air sample, at 3.76 ug/m³, was above the NYSDOH long-term exposure AGV of 2 ug/m³.

Petroleum Impacts

- Petroleum-related VOCs were detected in soil vapor above the ambient air concentrations.

Emerging Contaminants

- PFOS and PFOA were detected above the USEPA drinking water health advisory; the groundwater at the Site is not potable and drinking water is provided by NYCDEP from upstate reservoirs.

Qualitative Environmental Assessment

- The following potential exposure routes were identified: direct contact with surface soils, inhalation (and incidental ingestion), ingestion of groundwater, direct contact with groundwater and inhalation of vapors.
- Potential impacts from these exposure routes can be mitigated through the implementation of HASP and CAMP during ground-intrusive activities, current Site caps (building foundation, asphalt parking lot) and through Site remediation performed under an approved remedial action work plan.

8.0 REFERENCES

New York State Department of Environmental Conservation (NYSDEC), Division of Environmental Remediation. DER Technical Guidance for Site Investigation and Remediation (DER-10). NYSDEC 2010.

NYSDEC Policy. Commissioner's Policy 51 – Soil Cleanup Guidance. October 21, 2010. NYSDEC 2010.

New York State Department of Health (NYSDOH). Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York (NYSDOH, October 2006).

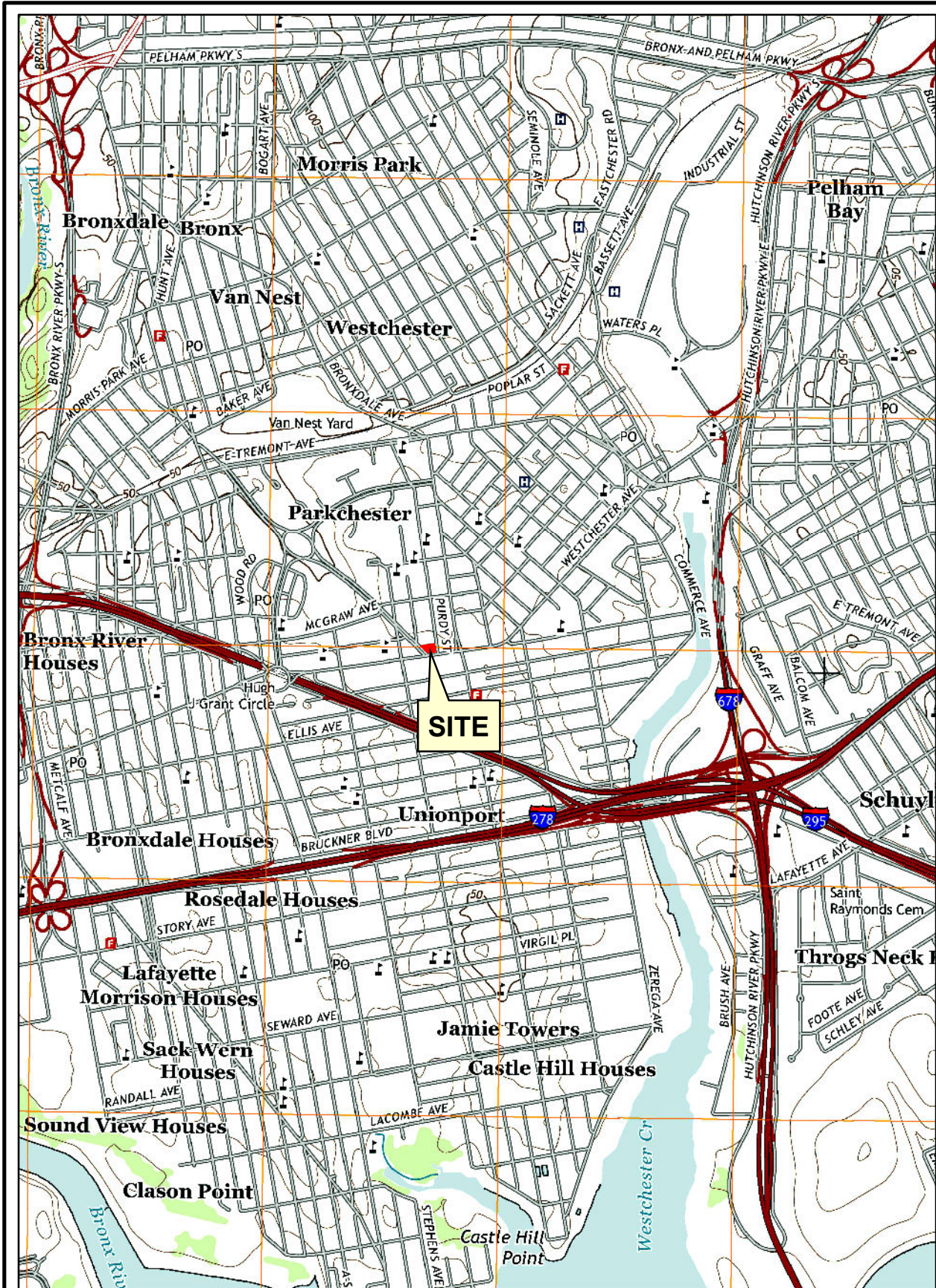
Phase I Environmental Site Assessment, 2135 Westchester Avenue, Bronx, New York. Cider Environmental, November 13, 2014.

Limited Phase II Subsurface Investigation Report, 2135 Westchester Avenue, Bronx, New York. Odelphi Environmental (Odelphi), May 1, 2015.

Limited Phase II Subsurface Investigation Report, 2135 Westchester Avenue, Bronx, New York. Odelphi Environmental, May 28, 2015.

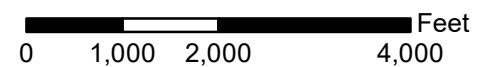
Volumetric Technologies LTD. "2135 Westchester Avenue, Bronx, New York Spill #1503069." Letter dated April 21, 2016.

Figures



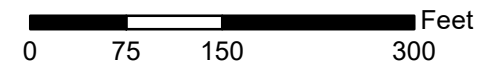
Basemap: Flushing, NY Quandrangle, 2013
<http://www.usgs.gov>

Site Location



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

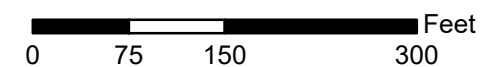
Department of Finance Digital Tax Map



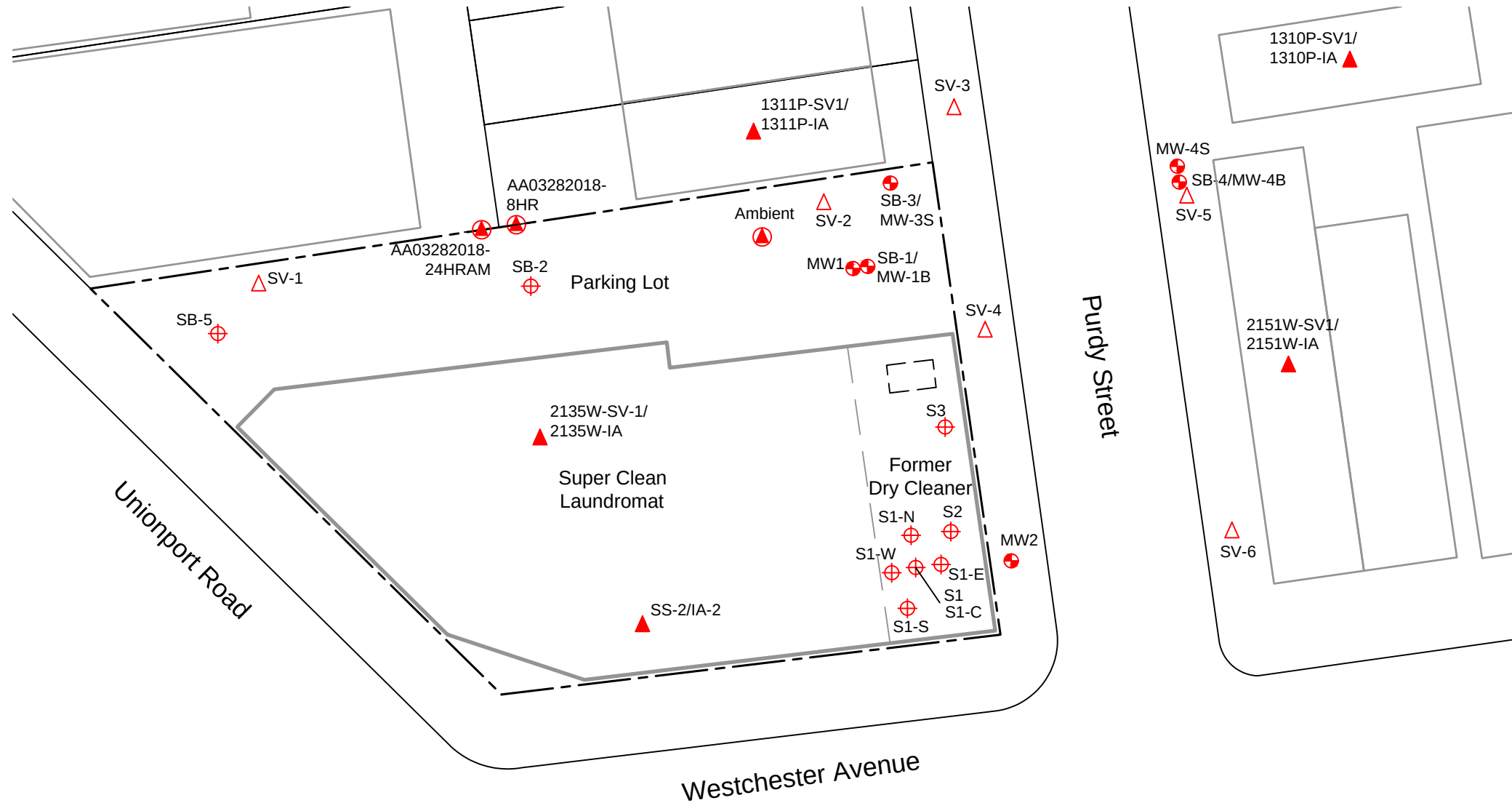
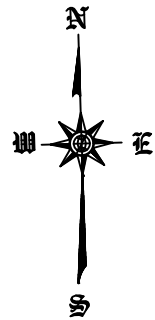
Service Layer Credits: Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User

NYC Department of City Planning, Information Technology Division

Department of City Planning MapPLUTO - 2016 v2



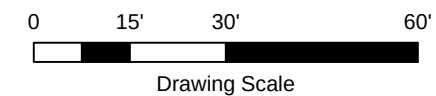
Client		2135 Westchester Avenue Bronx, New York Block 3934, Lot 1	
TENEN ENVIRONMENTAL		Tenen Environmental, LLC 121 West 27th Street Suite 702 New York, NY 10001 O: (646) 606-2332 F: (646) 606-2379	
Drawn By	LM	Checked By	MC
Date		May 2017	
Scale		As Noted	
Site Location Map		Figure 1	
Drawing Title		Drawing No	



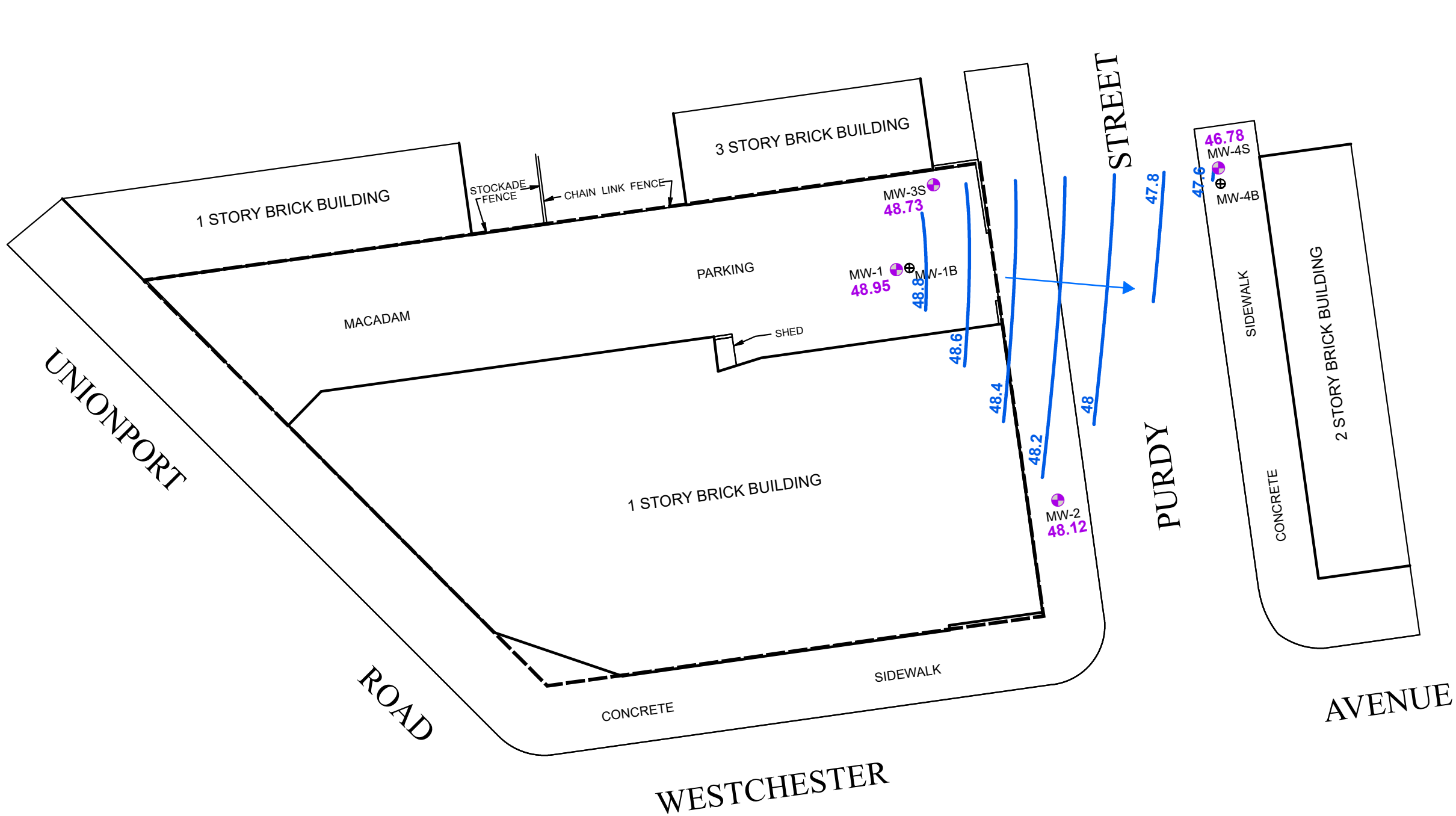
Legend

- ⊕ Soil Boring Location
- ⊕ Permanent Monitoring Well/
Soil Boring Location
- △ Exterior Soil Vapor Sample Location
- ⊕ Ambient Air Sample Location
- ⊕ Indoor Air Sample Location
- ▲ Sub-slab Soil Vapor and
Indoor Air Sample
- ⊕ Ambient Air Sample Location
- Property Boundary
- Building

Tax Lot Source: New York City Dept. of Finance Digital Tax Map
Building Foot Print Source: NYC Open Data, Bing Imagery

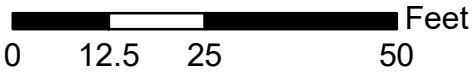


DRAWING TITLE.	Site Layout and Sample Locations	
	Figure 2	
DRAWING NO.		
DRAWN BY		LM
CHECKED BY		CZ
DATE		January 2019
SCALE:		As Noted
CONSULTANT		TENEN ENVIRONMENTAL TENEN ENVIRONMENTAL, LLC 121 West 27th Street Suite 702 New York, NY 10001 O: 646-606-2332 F: 646-606-2379
SITE		2135 Westchester Avenue Bronx, New York Block 3934, Lot 1



Legend

- Monitoring Well (Sample Collected)
- Groundwater Contour
- Groundwater Flow Direction



Drawing Title
**Groundwater Flow Direction
7/12/2018**

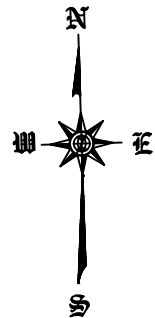
Drawing No
Figure 3

Drawn By	LM
Checked By	CZ
Date	December 2018
Scale	As Noted

TENEN ENVIRONMENTAL

Tenen Environmental, LLC
121 West 27th Street
Suite 702
New York, NY 10001
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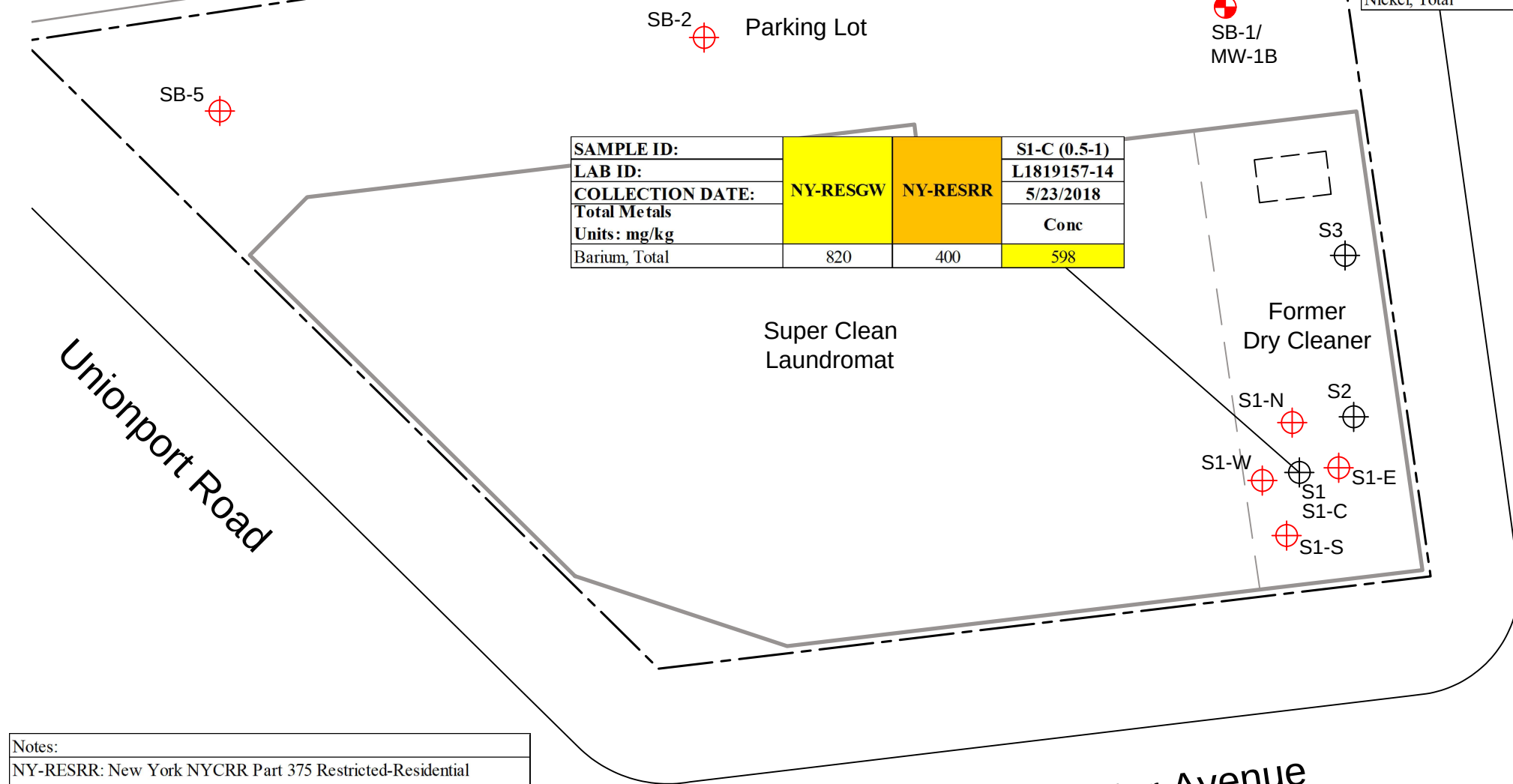
Client
**2135 Westchester Avenue
Bronx, New York
Block 3934, Lot 1**



SAMPLE ID:			SB-3 (1-5)
LAB ID:			L1819157-06
COLLECTION DATE:	NY-RESGW	NY-RESRR	5/23/2018
Total Metals			Conc
Units: mg/kg			
Cadmium, Total	7.5	4.3	7.56
Lead, Total	450	400	1110
Nickel, Total	130	310	276
Selenium, Total	4	180	13.9

SAMPLE ID:			SB-3 (15-16)
LAB ID:			L1819157-05
COLLECTION DATE:	NY-RESGW	NY-RESRR	5/23/2018
Total Metals			Conc
Units: mg/kg			
Nickel, Total	130	310	214

SAMPLE ID:			S1-C (0.5-1)
LAB ID:			L1819157-14
COLLECTION DATE:	NY-RESGW	NY-RESRR	5/23/2018
Total Metals			Conc
Units: mg/kg			
Barium, Total	820	400	598



Notes:
NY-RESRR: New York NYCRR Part 375 Restricted-Residential Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.
NY-RESGW: New York NYCRR Part 375 Groundwater Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.
Conc = Concentration
Cells highlighted in yellow indicate a concentration above NYRESGW
Cells highlighted in orange indicate a concentration above NY-RESRR and NY-UNRES

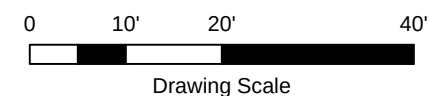
Westchester Avenue

Purdy Street

Legend

- ⊕ Soil Boring Location
- Permanent Groundwater/ Soil Boring Location

- Property Boundary
- Building



Sample Designation Notes:

- Previous investigations were completed by Odelphi Environmental, Inc. in 2015 or 2016 Subsurface Investigation Reports
- Previous sample locations shown in black

Tax Lot Source: New York City Dept. of Finance Digital Tax Map
Building Foot Print Source: NYC Open Data, Bing Imagery

SITE

2135 Westchester Avenue
Bronx, New York
Block 3934, Lot 1



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CONSULTANT

DRAWN BY
LM

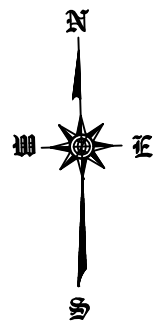
CHECKED BY
CZ

DATE
January 2019

SCALE
As Noted

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Soil Results above
Soil Clean up Objectives

DRAWING NO.:
Figure 4



SAMPLE ID:		MW-4B	MW-4B DUP
LAB ID:		L1826668-03	L1826668-04
COLLECTION DATE:		7/12/2018	7/12/2018
Perfluorinated Alkyl Acids		Conc	Q
Units: ug/l		Conc	Q
Perfluorooctanoic Acid (PFOA)	0.07	0.0694	0.0704

SAMPLE ID:		MW-1B
LAB ID:		L1826668-07
COLLECTION DATE:		7/12/2018
Volatile Organic Compounds		Conc
Units: ug/l		
Tetrachloroethene	5	800
Vinyl chloride	2	2.9
trans-1,2-Dichloroethene	5	76
Trichloroethene	5	1900
cis-1,2-Dichloroethene	5	420
Benzo(a)anthracene	0.002	0.06
Chrysene	0.002	0.05
Manganese, Dissolved	300	750.1
Sodium, Dissolved	20000	33100
Antimony, Total	3	5.26
Iron, Total	300	608
Manganese, Total	300	2373
Sodium, Total	20000	34200
Zinc, Total	2000	5352

SAMPLE ID:		MW-1
LAB ID:		L1826668-08
COLLECTION DATE:		7/12/2018
Volatile Organic Compounds		Conc
Units: ug/l		
Tetrachloroethene	5	1300
Trichloroethene	5	170
cis-1,2-Dichloroethene	5	47
Dieldrin	0.004	0.021
Iron, Dissolved	300	1530
Magnesium, Dissolved	35000	69700
Manganese, Dissolved	300	1718
Sodium, Dissolved	20000	65100
Iron, Total	300	9650
Magnesium, Total	35000	72400
Manganese, Total	300	1686
Sodium, Total	20000	76400

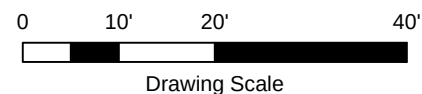
SAMPLE ID:			MW-2
LAB ID:			L1826668-02
COLLECTION DATE:			7/12/2018
Volatile Organic Compounds			Conc
Units: ug/l			
Tetrachloroethene	5	--	8
Benzene	1	--	1.1
Trichloroethene	5	--	27
cis-1,2-Dichloroethene	5	--	46
Perfluorinated Alkyl Acids			
Perfluorooctanesulfonic Acid (PFOS)	--	0.07	0.0959

Legend

Permanent Monitoring Well Location

Property Boundary

Building



Notes:

NY-AWQS: New York TOGS 111 Ambient Water Quality Standards criteria reflects all addendum to criteria through June 2004.

MDL = Maximum Detection Limit

Conc = Concentration

Q = Laboratory Data Qualifier

Cells highlighted in yellow indicate concentrations above NY-AWQS

Cells highlighted in blue indicate a concentration above the USEPA Drinking Water Health Advisory

No exceedances above the Class GA Standards in MW-4S and MW-4B

-- = No standard

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

Building Foot Print Source: NYC Open Data, Bing Imagery

Sample Designation Notes:

- Previous investigations were completed by Odelphi Environmental, Inc. in 2015 or 2016 Subsurface Investigation Reports
- Previously installed permanent groundwater wells are shown in black

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DRAWN BY	LM
CHECKED BY	CZ
DATE	February 2019
SCALE	As Noted

DRAWING TITLE	Groundwater Results above AWQS
DRAWING NO.	Figure 5

SITE

2135 Westchester Avenue
Bronx, New York
Block 3934, Lot 1

SAMPLE ID:	NYSDOH Air Guidance Value	Matrix	1311P-SS1		1311P-IA		Action
LAB ID:			L1811084-09		L1811084-10		
COLLECTION DATE:			3/29/2018		3/29/2018		
Volatile Organic Compounds Units: ug/m3			Conc	Q	Conc	Q	
Trichloroethene	5	A	2.01		0.425		No further action
Tetrachloroethene	30	B	15.6		5.36		No further action

SAMPLE ID:	NYSDOH Air Guidance Value	Matrix	1310P-SS1		1310P-IA		Action
LAB ID:			L1811084-04		L1811084-05		
COLLECTION DATE:			3/29/2018		3/29/2018		
Volatile Organic Compounds Units: ug/m3			Conc	Q	Conc	Q	
Trichloroethene	5	A	1.07	U	0.385	U	No further action
Tetrachloroethene	30	B	1.36	U	0.848		No further action

SAMPLE ID:	NYSDOH Air Guidance Value	Matrix	AA03282018-8HR	
LAB ID:			L1811084-03	
COLLECTION DATE:			3/28/2018	
Volatile Organic Compounds Units: ug/m3			Conc	Q
Trichloroethene	2	A	0.134	
Tetrachloroethene	30	B	0.841	

SAMPLE ID:	NYSDOH Air Guidance Value	Matrix	AA03282018-24HRAM	
LAB ID:			L1811084-08	
COLLECTION DATE:			3/29/2018	
Volatile Organic Compounds Units: ug/m3			Conc	Q
Trichloroethene	5	A	0.113	
Tetrachloroethene	30	B	0.698	

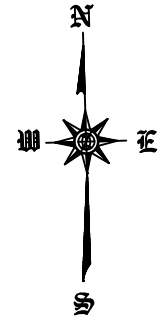
SAMPLE ID:	NYSDOH Air Guidance Value	Matrix	AA03282018-24HRPM	
LAB ID:			L1811084-11	
COLLECTION DATE:			3/29/2018	
Volatile Organic Compounds Units: ug/m3			Conc	Q
Trichloroethene	5	A	0.231	
Tetrachloroethene	30	B	3.24	

SAMPLE ID:	NYSDOH Air Guidance Value	Matrix	AMBIENT	
LAB ID:			L1826620-10	
COLLECTION DATE:			7/12/2018	
Volatile Organic Compounds Units: ug/m3			Conc	Q
Trichloroethene	2	A	3.42	
Tetrachloroethene	30	B	0.251	

SAMPLE ID:	NYSDOH Air Guidance Value	Matrix	SS-2		IA-2		Action
LAB ID:			L1826620-08		L1826620-09		
COLLECTION DATE:			7/12/2018		7/12/2018		
Volatile Organic Compounds in Air Units: ug/m3			Conc	Q	Conc	Q	
Trichloroethene	2	A	1.99		3.76		Identify Source*
Tetrachloroethene	30	B	1.97		1.6		No further action

SAMPLE ID:	NYSDOH Air Guidance Value	Matrix	2151W-SS1		2151W-IA		Action
LAB ID:			L1811084-06		L1811084-07		
COLLECTION DATE:			3/29/2018		3/29/2018		
Volatile Organic Compounds Units: ug/m3			Conc	Q	Conc	Q	
Trichloroethene	5	A	5.37	U	0.107	U	No further action
Tetrachloroethene	30	B	6.78	U	1.42		No further action

SAMPLE ID:	NYSDOH Air Guidance Value	Matrix	2135W-SS1		2135W-IA		Action
LAB ID:			L1811084-01		L1811084-02		
COLLECTION DATE:			3/28/2018		3/28/2018		
Volatile Organic Compounds Units: ug/m3			Conc	Q	Conc	Q	
Trichloroethene	2	A	1.28		0.107	U	No further action
Tetrachloroethene	30	B	43.3		1.5		No further action

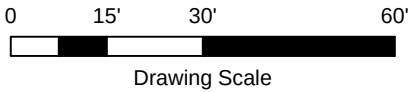


Notes:
NYSDOH AGV - New York State Department of Health Air Guidance Values
Matrix actions are described in the report narrative and the NYSDOH Soil Vapor Guidance, with May 2017 updates
Q = Laboratory Data Qualifier
For U qualified entries, the RL is shown
RL = Reporting Limit
Results and RL values are in micrograms per cubic meter (ug/m3)
*Identify Source - Identify Source(s) and Resample or Mitigate

Legend

- ▲ Sub-slab Soil Vapor and Indoor Air Sample
- ⊙ Ambient Air Sample Location

- - - Property Boundary
- Building



Tax Lot Source: New York City Dept. of Finance Digital Tax Map
Building Foot Print Source: NYC Open Data, Bing Imagery

SITE

2135 Westchester Avenue
Bronx, New York
Block 3934, Lot 1

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CONSULTANT

DRAWN BY LM

CHECKED BY CZ

DATE February 2019

SCALE: As Noted

DRAWING TITLE: Sub-slab Soil Vapor Results

DRAWING NO.: Figure 6

SAMPLE ID:	SV-3
LAB ID:	L1826620-04
COLLECTION DATE:	7/12/2018
Volatile Organic Compounds in Air Units: ug/m3	Conc
Chloromethane	11.7
Ethanol	569
Acetone	1230
Isopropanol	22.4
Tertiary butyl Alcohol	91.9
Carbon disulfide	9.09
2-Butanone	106
Chloroform	8.4
Benzene	8.95
2-Hexanone	16.3
Tetrachloroethene	11.4

SAMPLE ID:	SV-2
LAB ID:	L1826620-02
COLLECTION DATE:	7/12/2018
Volatile Organic Compounds in Air Units: ug/m3	Conc
Ethanol	439
Acetone	347
Isopropanol	7.57
Tertiary butyl Alcohol	40
Carbon disulfide	4.73
2-Butanone	202
Benzene	9.71
Toluene	4.07
2-Hexanone	12.9

SAMPLE ID:	SV-1
LAB ID:	L1826620-01
COLLECTION DATE:	7/12/2018
Volatile Organic Compounds in Air Units: ug/m3	Conc
Dichlorodifluoromethane	2.05
Chloromethane	3.61
Ethanol	313
Acetone	784
Isopropanol	14.9
Tertiary butyl Alcohol	98.2
Carbon disulfide	11.6
2-Butanone	102
n-Hexane	2.29
Benzene	16.1
Heptane	2.52
4-Methyl-2-pentanone	4.18
Toluene	4.71
2-Hexanone	19.1

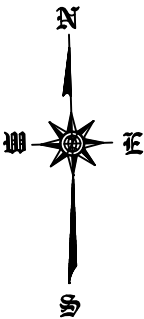
SAMPLE ID:	SV-4
LAB ID:	L1826620-03
COLLECTION DATE:	7/12/2018
Volatile Organic Compounds in Air Units: ug/m3	Conc
Ethanol	65.6
Acetone	238
Tertiary butyl Alcohol	24.7
2-Butanone	137
Benzene	6.49
2-Hexanone	12

SAMPLE ID:	SV-6
LAB ID:	L1826620-06
COLLECTION DATE:	7/12/2018
Volatile Organic Compounds in Air Units: ug/m3	Conc
Chloromethane	19
Ethanol	258
Acetone	3820
Isopropanol	20.8
Tertiary butyl Alcohol	55.8
Carbon disulfide	383
2-Butanone	137
n-Hexane	53.2
Benzene	14.6
Cyclohexane	24.9
2,2,4-Trimethylpentane	35.3
Heptane	15.8
2-Hexanone	20.4

SAMPLE ID:	SV-5
LAB ID:	L1826620-05
COLLECTION DATE:	7/12/2018
Volatile Organic Compounds in Air Units: ug/m3	Conc
Chloromethane	2.91
Ethanol	300
Acetone	791
Isopropanol	7.69
Tertiary butyl Alcohol	52.7
Carbon disulfide	138
2-Butanone	87.9
Chloroform	34.7
Benzene	51.8
2,2,4-Trimethylpentane	5.18
Heptane	4.34
Toluene	4.86
2-Hexanone	13.2
Tetrachloroethene	21.4

SAMPLE ID:	SV-7
LAB ID:	L1826620-07
COLLECTION DATE:	7/12/2018
Volatile Organic Compounds in Air Units: ug/m3	Conc
Chloromethane	2.11
Ethanol	251
Acetone	1380
Isopropanol	8.01
Tertiary butyl Alcohol	25.1
Carbon disulfide	92.8
2-Butanone	73.1
Chloroform	80.6
Benzene	7.28
Cyclohexane	6.13
2,2,4-Trimethylpentane	10.2
Toluene	4.67
2-Hexanone	11.6
Tetrachloroethene	33.6

SAMPLE ID:	AMBIENT	
LAB ID:	L1826620-10	
COLLECTION DATE:	7/12/2018	
Volatile Organic Compounds in Air Units: ug/m3	Conc	Q
Dichlorodifluoromethane	1.98	
Chloromethane	0.869	
Freon-114	1.4	U
Vinyl chloride	0.051	U
1,3-Butadiene	0.442	U
Bromomethane	0.777	U
Chloroethane	0.528	U
Ethanol	10.5	
Vinyl bromide	0.874	U
Acetone	9.05	
Trichlorofluoromethane	1.13	
Isopropanol	1.79	
1,1-Dichloroethene	0.079	U
Tertiary butyl Alcohol	1.52	U
Methylene chloride	1.74	U
3-Chloropropene	0.626	U
Carbon disulfide	0.623	U
Freon-113	1.53	U
trans-1,2-Dichloroethene	0.793	U
1,1-Dichloroethane	0.809	U
Methyl tert butyl ether	0.721	U
2-Butanone	1.47	U
cis-1,2-Dichloroethene	0.079	U
Ethyl Acetate	1.8	U
Chloroform	0.977	U
Tetrahydrofuran	1.47	U
1,2-Dichloroethane	0.809	U
n-Hexane	0.705	U
1,1,1-Trichloroethane	0.109	U
Benzene	0.639	U
Carbon tetrachloride	0.465	
Cyclohexane	0.688	U
1,2-Dichloropropane	0.924	U
Bromodichloromethane	1.34	U
1,4-Dioxane	0.721	U
Trichloroethene	3.42	
2,2,4-Trimethylpentane	0.934	U
Heptane	0.82	U
cis-1,3-Dichloropropene	0.908	U
4-Methyl-2-pentanone	2.05	U
trans-1,3-Dichloropropene	0.908	U
1,1,2-Trichloroethane	1.09	U
Toluene	0.829	
2-Hexanone	0.82	U
Dibromochloromethane	1.7	U
1,2-Dibromoethane	1.54	U
Tetrachloroethene	0.251	
Chlorobenzene	0.921	U
Ethylbenzene	0.869	U
p/m-Xylene	1.74	U
Bromoform	2.07	U
Styrene	0.852	U
1,1,2,2-Tetrachloroethane	1.37	U
o-Xylene	0.869	U
4-Ethyltoluene	0.983	U
1,3,5-Trimethylbenzene	0.983	U
1,2,4-Trimethylbenzene	0.983	U
Benzyl chloride	1.04	U
1,3-Dichlorobenzene	1.2	U
1,4-Dichlorobenzene	1.2	U
1,2-Dichlorobenzene	1.2	U
1,2,4-Trichlorobenzene	1.48	U
Hexachlorobutadiene	2.13	U

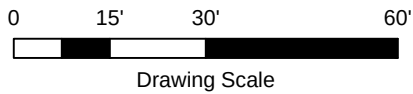


Notes:
Results shown were detected at higher concentrations than Ambient Air results
Q = Laboratory Data Qualifier
For U qualified entries, the RL is shown
RL = Reporting Limit
Results and RL values are in micrograms per cubic meter (ug/m3)

Legend

- △ Exterior Soil Vapor Sample Location
- ⊙ Ambient Air Sample Location
- ⊕ Indoor Air Sample Location

- - - Property Boundary
- Building



Tax Lot Source: New York City Dept. of Finance Digital Tax Map
Building Foot Print Source: NYC Open Data, Bing Imagery

SITE

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Bronx, New York
Block 3934, Lot 1

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LM

CZ

December 2018

As Noted

DRAWN BY

CHECKED BY

DATE

SCALE

Exterior Soil Vapor Results

Figure 7

DRAWING TITLE

DRAWING NO.



Sample Designation Notes:

- Previous investigations were completed by Odelphi Environmental, Inc. in 2015 or 2016 Subsurface Investigation Reports
- Previous sample locations shown in black

Tax Lot Source: New York City Dept. of Finance Digital Tax Map
Building Foot Print Source: NYC Open Data, Bing Imagery

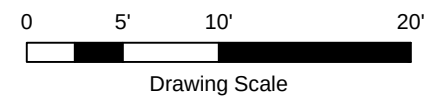
Legend

 Soil Boring Location

 Property Boundary

 Building

 Estimated Extent of PCE in Soil Above Unrestricted Use SCOs



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DRAWN BY	LM
CHECKED BY	CZ
DATE	January 2019
SCALE	As Noted

DRAWING TITLE	Extent of PCE in Soil above Unrestricted Use SCOs Around Boring S1
DRAWING NO.	Figure 8

SITE

2135 Westchester Avenue
Bronx, New York
Block 3934, Lot 1

Tables

Table 1 - Volatile Organic Compounds in Soil
2135 Westchester Avenue - Bronx, NY

SAMPLE ID:			SB-1 (1-5)		SB-1 (20-21)		SB-1 (20-21) DUP		SB-2 (1-5)		SB-2 (13-14)		SB-3 (1-5)		SB-3 (15-16)	
LAB ID:			L1819157-07		L1819157-08		L1819157-09		L1819157-03		L1819157-04		L1819157-06		L1819157-05	
COLLECTION DATE:	NY-RESGW	NY-RESRR	5/23/2018		5/23/2018		5/23/2018		5/23/2018		5/23/2018		5/23/2018		5/23/2018	
Volatile Organic Compounds			Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q
Units: mg/kg																
Methylene chloride	0.05	100	0.0018	U	0.0022	J	0.0027	J	0.0017	J	0.0034	J	0.0018	J	0.0023	J
1,1-Dichloroethane	0.27	26	0.00029	U	0.00029	U	0.00029	U	0.00027	U	0.00037	U	0.00025	U	0.00026	U
Chloroform	0.37	49	0.00039	U	0.0004	U	0.0004	U	0.00037	U	0.00048	U	0.00034	U	0.00035	U
Carbon tetrachloride	0.76	2.4	0.00037	U	0.00037	U	0.00037	U	0.00035	U	0.00048	U	0.00032	U	0.00033	U
1,2-Dichloropropane	--	--	0.00024	U	0.00024	U	0.00025	U	0.00023	U	0.00031	U	0.00021	U	0.00022	U
Dibromochloromethane	--	--	0.00019	U	0.00019	U	0.00019	U	0.00018	U	0.00024	U	0.00016	U	0.00017	U
1,1,2-Trichloroethane	--	--	0.00033	U	0.00034	U	0.00034	U	0.00032	U	0.00043	U	0.00028	U	0.0003	U
Tetrachloroethene	1.3	19	0.00032	U	0.045		0.028		0.0003	U	0.00042	U	0.00028	U	0.0057	
Chlorobenzene	1.1	100	0.00037	U	0.00037	U	0.00038	U	0.00035	U	0.00048	U	0.00032	U	0.00033	U
Trichlorofluoromethane	--	--	0.00044	U	0.00045	U	0.00045	U	0.00042	U	0.00058	U	0.00038	U	0.0004	U
1,2-Dichloroethane	0.02	3.1	0.00026	U	0.00026	U	0.00027	U	0.00025	U	0.00034	U	0.00022	U	0.00023	U
1,1,1-Trichloroethane	0.68	100	0.00037	U	0.00037	U	0.00038	U	0.00035	U	0.00048	U	0.00032	U	0.00033	U
Bromodichloromethane	--	--	0.00033	U	0.00033	U	0.00033	U	0.00031	U	0.00042	U	0.00028	U	0.00029	U
trans-1,3-Dichloropropene	--	--	0.00022	U	0.00022	U	0.00022	U	0.00021	U	0.00029	U	0.00019	U	0.0002	U
cis-1,3-Dichloropropene	--	--	0.00025	U	0.00025	U	0.00025	U	0.00023	U	0.00032	U	0.00021	U	0.00022	U
1,3-Dichloropropene, Total	--	--	0.00022	U	0.00022	U	0.00022	U	0.00021	U	0.00029	U	0.00019	U	0.0002	U
1,1-Dichloropropene	--	--	0.00035	U	0.00035	U	0.00036	U	0.00033	U	0.00045	U	0.0003	U	0.00031	U
Bromoform	--	--	0.00025	U	0.00025	U	0.00026	U	0.00024	U	0.00033	U	0.00022	U	0.00022	U
1,1,2,2-Tetrachloroethane	--	--	0.00032	U	0.00032	U	0.00032	U	0.0003	U	0.00041	U	0.00027	U	0.00028	U
Benzene	0.06	4.8	0.0002	U	0.00021	U	0.00021	U	0.0002	U	0.00027	U	0.00018	U	0.00018	U
Toluene	0.7	100	0.00021	U	0.00021	U	0.00021	U	0.0002	U	0.00027	U	0.00018	U	0.00018	U
Ethylbenzene	1	41	0.00018	U	0.00018	U	0.00018	U	0.00017	U	0.00023	U	0.00016	U	0.00016	U
Chloromethane	--	--	0.00046	U	0.00047	U	0.00047	U	0.00044	U	0.0006	U	0.0004	U	0.00041	U
Bromomethane	--	--	0.00036	U	0.00036	U	0.00037	U	0.00034	U	0.00047	U	0.00031	U	0.00032	U
Vinyl chloride	0.02	0.9	0.00034	U	0.00034	U	0.00034	U	0.00032	U	0.00043	U	0.00029	U	0.0003	U
Chloroethane	--	--	0.00034	U	0.00034	U	0.00034	U	0.00032	U	0.00044	U	0.00029	U	0.0003	U
1,1-Dichloroethene	0.33	100	0.0004	U	0.0004	U	0.0004	U	0.00038	U	0.00051	U	0.00034	U	0.00035	U
trans-1,2-Dichloroethene	0.19	100	0.00026	U	0.00026	U	0.00026	U	0.00024	U	0.00033	U	0.00022	U	0.00023	U
Trichloroethene	0.47	21	0.00032	U	0.0022		0.00086	J	0.0003	U	0.00042	U	0.00028	U	0.00029	U
1,2-Dichlorobenzene	1.1	100	0.00019	U	0.00019	U	0.0002	U	0.00018	U	0.00025	U	0.00017	U	0.00017	U
1,3-Dichlorobenzene	2.4	49	0.00023	U	0.00023	U	0.00024	U	0.00022	U	0.0003	U	0.0002	U	0.00021	U
1,4-Dichlorobenzene	1.8	13	0.00019	U	0.00019	U	0.0002	U	0.00018	U	0.00025	U	0.00017	U	0.00017	U
Methyl tert butyl ether	0.93	100	0.00016	U	0.00016	U	0.00017	U	0.00015	U	0.00021	U	0.00014	U	0.00014	U
p-m-Xylene	--	--	0.00037	U	0.00038	U	0.00038	U	0.00035	U	0.00048	U	0.00032	U	0.00033	U
o-Xylene	--	--	0.00036	U	0.00036	U	0.00037	U	0.00034	U	0.00047	U	0.00031	U	0.00032	U
Xylenes, Total	1.6	100	0.00036	U	0.00036	U	0.00037	U	0.00034	U	0.00047	U	0.00031	U	0.00032	U
cis-1,2-Dichloroethene	0.25	100	0.00036	U	0.0009	J	0.00037	U	0.00034	U	0.00047	U	0.00031	U	0.00032	U
1,2-Dichloroethene, Total	--	--	0.00026	U	0.0009	J	0.00026	U	0.00024	U	0.00033	U	0.00022	U	0.00023	U
Dibromomethane	--	--	0.00025	U	0.00026	U	0.00026	U	0.00024	U	0.00033	U	0.00022	U	0.00023	U
Styrene	--	--	0.00043	U	0.00043	U	0.00044	U	0.0004	U	0.00055	U	0.00037	U	0.00038	U
Dichlorodifluoromethane	--	--	0.00053	U	0.00054	U	0.00054	U	0.0005	U	0.00069	U	0.00046	U	0.00047	U
Acetone	0.05	100	0.0024	U	0.0024	U	0.0025	U	0.0023	U	0.0032	U	0.0021	U	0.0022	U
Carbon disulfide	--	--	0.0012	U	0.0012	U	0.0012	U	0.0011	U	0.0015	U	0.001	U	0.001	U
2-Butanone	0.12	100	0.00074	U	0.00074	U	0.00075	U	0.0007	U	0.00095	U	0.00063	U	0.00066	U
Vinyl acetate	--	--	0.00016	U	0.00016	U	0.00017	U	0.00015	U	0.00021	U	0.00014	U	0.00014	U
4-Methyl-2-pentanone	--	--	0.00026	U	0.00026	U	0.00026	U	0.00025	U	0.00034	U	0.00022	U	0.00023	U
1,2,3-Trichloropropane	--	--	0.00019	U	0.00019	U	0.00019	U	0.00018	U	0.00024	U	0.00016	U	0.00017	U
2-Hexanone	--	--	0.00071	U	0.00071	U	0.00072	U	0.00067	U	0.00092	U	0.00061	U	0.00063	U
Bromochloromethane	--	--	0.00038	U	0.00038	U	0.00039	U	0.00036	U	0.00049	U	0.00033	U	0.00034	U
2,2-Dichloropropane	--	--	0.00048	U	0.00048	U	0.00049	U	0.00045	U	0.00062	U	0.00041	U	0.00043	U
1,2-Dibromoethane	--	--	0.00021	U	0.00021	U	0.00022	U	0.0002	U	0.00027	U	0.00018	U	0.00019	U
1,3-Dichloropropane	--	--	0.0002	U	0.0002	U	0.0002	U	0.00018	U	0.00025	U	0.00017	U	0.00017	U
1,1,1,2-Tetrachloroethane	--	--	0.00034	U	0.00034	U	0.00034	U	0.00032	U	0.00044	U	0.00029	U	0.0003	U
Bromobenzene	--	--	0.00023	U	0.00023	U	0.00024	U	0.00022	U	0.0003	U	0.0002	U	0.00021	U
n-Butylbenzene	12	100	0.00024	U	0.00024	U	0.00025	U	0.00023	U	0.00031	U	0.00021	U	0.00022	U
sec-Butylbenzene	11	100	0.00023	U	0.00023	U	0.00024	U	0.00022	U	0.0003	U	0.0002	U	0.00021	U
tert-Butylbenzene	5.9	100	0.00026	U	0.00026	U	0.00027	U	0.00025	U	0.00034	U	0.00022	U	0.00023	U
o-Chlorotoluene	--	--	0.00024	U	0.00024	U	0.00024	U	0.00022	U	0.0003	U	0.0002	U	0.00021	U
p-Chlorotoluene	--	--	0.0002	U	0.0002	U	0.0002	U	0.00018	U	0.00025	U	0.00017	U	0.00017	U
1,2-Dibromo-3-chloropropane	--	--	0.00042	U	0.00042	U	0.00043	U	0.0004	U	0.00055	U	0.00036	U	0.00038	U
Hexachlorobutadiene	--	--	0.00037	U	0.00037	U	0.00038	U	0.00035	U	0.00048	U	0.00032	U	0.00033	U
Isopropylbenzene	--	--	0.00021	U	0.00021	U	0.00021	U	0.0002	U	0.00027	U	0.00018	U	0.00018	U
n-Isopropyltoluene	--	--	0.00022	U	0.00022	U	0.00022	U	0.0002	U	0.00028	U	0.00018	U	0.00019	U
Naphthalene	12	100	0.00015	U	0.00015	U	0.00015	U	0.00014	U	0.00019	U	0.00013	U	0.00013	U
Acrylonitrile	--	--	0.00055	U	0.00055	U	0.00056	U	0.00052	U	0.00071	U	0.00047	U	0.00049	U
n-Propylbenzene	3.9	100	0.00023	U	0.00023	U	0.00023	U	0.00022	U	0.0003	U	0.0002	U	0.0002	U
1,2,3-Trichlorobenzene	--	--	0.00027	U	0.00027	U	0.00027	U	0.00025	U	0.00035	U	0.00023	U	0.00024	U
1,2,4-Trichlorobenzene	--	--	0.00023	U	0.00023	U	0.00023	U	0.00022	U	0.0003	U	0.0002	U	0.0002	U
1,3,5-Trimethylbenzene	8.4	52	0.00017	U	0.00017	U	0.00017	U	0.00016	U	0.00022	U	0.00			

Table 1 - Volatile Organic Compounds in Soil
2135 Westchester Avenue - Bronx, NY

SAMPLE ID:	NY-RESGW	NY-RESRR	SB-4 (0-5)		SB-4 (18-20)		SB-5 (1-2)		SB-5 (15-17)		SI-S (0-0.5)		SI-E (0-0.5)		SI-C (0.5-1)		SI-N (0.5-1.5)		SI-W (0-1)	
LAB ID:			L1819157-10		L1819157-11		L1819157-01		L1819157-02		L1819157-12		L1819157-13		L1819157-14		L1819157-15		L1819157-18	
COLLECTION DATE:			5/23/2018		5/23/2018		5/23/2018		5/23/2018		5/23/2018		5/23/2018		5/23/2018		5/23/2018		5/23/2018	
Volatile Organic Compounds			Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q
Units: mg/kg																				
Methylene chloride	0.05	100	0.0018	J	0.002	U	0.0018	J	0.0033	J	0.0026	J	0.0047	J	0.0018	U	0.002	U	0.0025	U
1,1-Dichloroethane	0.27	26	0.00026	U	0.00032	U	0.00026	U	0.00032	U	0.00041	U	0.0005	U	0.0029	U	0.00033	U	0.0004	U
Chloroform	0.37	49	0.00036	U	0.00044	U	0.00036	U	0.00044	U	0.00056	U	0.00068	U	0.0004	U	0.00045	U	0.00055	U
Carbon tetrachloride	0.76	2.4	0.00034	U	0.00041	U	0.00033	U	0.00041	U	0.00052	U	0.00064	U	0.00037	U	0.00042	U	0.00052	U
1,2-Dichloropropane	--	--	0.00022	U	0.00027	U	0.00022	U	0.00027	U	0.00034	U	0.00042	U	0.00024	U	0.00028	U	0.00034	U
Dibromochloromethane	--	--	0.00017	U	0.00021	U	0.00017	U	0.00021	U	0.00027	U	0.00032	U	0.00019	U	0.00021	U	0.00026	U
1,1,2-Trichloroethane	--	--	0.0003	U	0.00037	U	0.0003	U	0.00037	U	0.00047	U	0.00058	U	0.00034	U	0.00038	U	0.00047	U
Tetrachloroethene	1.3	19	0.00029	U	0.00036	U	0.00029	U	0.00036	U	0.028		0.0077		0.0015		0.007		0.067	
Chlorobenzene	1.1	100	0.00034	U	0.00041	U	0.00033	U	0.00041	U	0.00053	U	0.00064	U	0.00037	U	0.00042	U	0.00052	U
Trichlorofluoromethane	--	--	0.00041	U	0.00049	U	0.0004	U	0.0005	U	0.00063	U	0.00077	U	0.00045	U	0.0005	U	0.00062	U
1,2-Dichloroethane	0.02	3.1	0.00024	U	0.00029	U	0.00024	U	0.00029	U	0.00037	U	0.00045	U	0.00026	U	0.0003	U	0.00037	U
1,1,1-Trichloroethane	0.68	100	0.00034	U	0.00041	U	0.00034	U	0.00042	U	0.00053	U	0.00064	U	0.00038	U	0.00042	U	0.00052	U
Bromodichloromethane	--	--	0.0003	U	0.00036	U	0.0003	U	0.00037	U	0.00047	U	0.00057	U	0.00033	U	0.00037	U	0.00046	U
trans-1,3-Dichloropropene	--	--	0.0002	U	0.00024	U	0.0002	U	0.00025	U	0.00031	U	0.00038	U	0.00022	U	0.00025	U	0.00031	U
cis-1,3-Dichloropropene	--	--	0.00022	U	0.00027	U	0.00022	U	0.00027	U	0.00035	U	0.00043	U	0.00025	U	0.00028	U	0.00035	U
1,3-Dichloropropene, Total	--	--	0.0002	U	0.00024	U	0.0002	U	0.00025	U	0.00031	U	0.00038	U	0.00022	U	0.00025	U	0.00031	U
1,1-Dichloropropene	--	--	0.00032	U	0.00039	U	0.00032	U	0.00039	U	0.0005	U	0.0006	U	0.00035	U	0.0004	U	0.00049	U
Bromoform	--	--	0.00023	U	0.00028	U	0.00023	U	0.00028	U	0.00036	U	0.00044	U	0.00025	U	0.00029	U	0.00036	U
1,1,2,2-Tetrachloroethane	--	--	0.00029	U	0.00035	U	0.00029	U	0.00035	U	0.00045	U	0.00055	U	0.00032	U	0.00036	U	0.00045	U
Benzene	0.06	4.8	0.00019	U	0.00023	U	0.00018	U	0.00023	U	0.00029	U	0.00036	U	0.00021	U	0.00023	U	0.00029	U
Toluene	0.7	100	0.00019	U	0.00023	U	0.00019	U	0.00023	U	0.0003	U	0.00036	U	0.00021	U	0.00024	U	0.00029	U
Ethylbenzene	1	41	0.00016	U	0.0002	U	0.00016	U	0.0002	U	0.00026	U	0.00031	U	0.00018	U	0.00021	U	0.00025	U
Chloromethane	--	--	0.00042	U	0.00052	U	0.00042	U	0.00052	U	0.00066	U	0.0008	U	0.00047	U	0.00053	U	0.00065	U
Bromomethane	--	--	0.00033	U	0.0004	U	0.00032	U	0.0004	U	0.00051	U	0.00062	U	0.00036	U	0.00041	U	0.00051	U
Vinyl chloride	0.02	0.9	0.00031	U	0.00037	U	0.0003	U	0.00037	U	0.00048	U	0.00058	U	0.00034	U	0.00038	U	0.00047	U
Chloroethane	--	--	0.00031	U	0.00037	U	0.0003	U	0.00038	U	0.00048	U	0.00058	U	0.00034	U	0.00038	U	0.00047	U
1,1-Dichloroethene	0.33	100	0.00036	U	0.00044	U	0.00036	U	0.00044	U	0.00056	U	0.00069	U	0.0004	U	0.00045	U	0.00056	U
trans-1,2-Dichloroethene	0.19	100	0.00024	U	0.00028	U	0.00023	U	0.00029	U	0.00036	U	0.00044	U	0.00026	U	0.00029	U	0.00036	U
Trichloroethene	0.47	21	0.00029	U	0.00036	U	0.00029	U	0.00036	U	0.00046	U	0.00056	U	0.00032	U	0.00037	U	0.00072	J
1,2-Dichlorobenzene	1.1	100	0.00018	U	0.00022	U	0.00017	U	0.00022	U	0.00028	U	0.00034	U	0.0002	U	0.00022	U	0.00027	U
1,3-Dichlorobenzene	2.4	49	0.00021	U	0.00026	U	0.00021	U	0.00026	U	0.00033	U	0.0004	U	0.00023	U	0.00026	U	0.00033	U
1,4-Dichlorobenzene	1.8	13	0.00018	U	0.00022	U	0.00017	U	0.00022	U	0.00028	U	0.00034	U	0.0002	U	0.00022	U	0.00027	U
Methyl tert butyl ether	0.93	100	0.00015	U	0.00018	U	0.00015	U	0.00018	U	0.00023	U	0.00028	U	0.00016	U	0.00018	U	0.00023	U
p-m-Xylene	--	--	0.00034	U	0.00041	U	0.00034	U	0.00042	U	0.00053	U	0.00065	U	0.00038	U	0.00042	U	0.00053	U
o-Xylene	--	--	0.00033	U	0.0004	U	0.00032	U	0.0004	U	0.00051	U	0.00062	U	0.00036	U	0.00041	U	0.00051	U
Xylenes, Total	1.6	100	0.00033	U	0.0004	U	0.00032	U	0.0004	U	0.00051	U	0.00062	U	0.00036	U	0.00041	U	0.00051	U
cis-1,2-Dichloroethene	0.25	100	0.00033	U	0.0004	U	0.00033	U	0.00041	U	0.00052	U	0.00063	U	0.00037	U	0.00041	U	0.00051	U
1,2-Dichloroethene, Total	--	--	0.00024	U	0.00028	U	0.00023	U	0.00029	U	0.00036	U	0.00044	U	0.00026	U	0.00029	U	0.00036	U
Dibromomethane	--	--	0.00023	U	0.00028	U	0.00023	U	0.00028	U	0.00036	U	0.00044	U	0.00026	U	0.00029	U	0.00036	U
Styrene	--	--	0.00039	U	0.00047	U	0.00038	U	0.00048	U	0.00066	U	0.00074	U	0.00043	U	0.00049	U	0.0006	U
Dichlorodifluoromethane	--	--	0.00049	U	0.00059	U	0.00048	U	0.00059	U	0.00076	U	0.00092	U	0.00054	U	0.00061	U	0.00075	U
Acetone	0.05	100	0.0022	U	0.0027	U	0.0022	U	0.0027	U	0.0035	U	0.0044	U	0.0024	U	0.0028	U	0.0034	U
Carbon disulfide	--	--	0.0011	U	0.0013	U	0.001	U	0.0013	U	0.0017	U	0.002	U	0.0012	U	0.0013	U	0.0016	U
2-Butanone	0.12	100	0.00067	U	0.00082	U	0.00066	U	0.00082	U	0.001	U	0.0013	U	0.00074	U	0.00084	U	0.001	U
Vinyl acetate	--	--	0.00015	U	0.00018	U	0.00015	U	0.00018	U	0.00023	U	0.00028	U	0.00016	U	0.00018	U	0.00023	U
4-Methyl-2-pentanone	--	--	0.00024	U	0.00029	U	0.00023	U	0.00029	U	0.00037	U	0.00045	U	0.00026	U	0.0003	U	0.00036	U
1,2,3-Trichloropropane	--	--	0.00017	U	0.00021	U	0.00017	U	0.00021	U	0.00027	U	0.00033	U	0.00019	U	0.00021	U	0.00026	U
2-Hexanone	--	--	0.00065	U	0.00079	U	0.00064	U	0.00079	U	0.001	U	0.0012	U	0.00071	U	0.00081	U	0.001	U
Bromochloromethane	--	--	0.00035	U	0.00042	U	0.00034	U	0.00042	U	0.00054	U	0.00066	U	0.00038	U	0.00043	U	0.00054	U
2,2-Dichloropropane	--	--	0.00044	U	0.00053	U	0.00043	U	0.00053	U	0.00068	U	0.00083	U	0.00048	U	0.00054	U	0.00067	U
1,2-Dibromomethane	--	--	0.00019	U	0.00024	U	0.00019	U	0.00024	U	0.0003	U	0.00037	U	0.00021	U	0.00024	U	0.0003	U
1,3-Dichloropropane	--	--	0.00018	U	0.00022	U	0.00018	U	0.00022	U	0.00028	U	0.00034	U	0.0002	U	0.00022	U	0.00027	U
1,1,1,2-Tetrachloroethane	--	--	0.00031	U	0.00038	U	0.0003	U	0.00038	U	0.00048	U	0.00059	U	0.00034	U	0.00038	U	0.00048	U
Bromobenzene	--	--	0.00021	U	0.00026	U	0.00021	U	0.00026	U	0.00033	U	0.0004	U	0.00023	U	0.00026	U	0.00033	U
n-Butylbenzene	12	100																		

Table 2 - Semivolatile Organic Compounds in Soil
2135 Westchester Avenue - Bronx, NY

SAMPLE ID:	NY-RESGW	NY-RESRR	SB-1 (1-5)		SB-1 (20-21)		SB-1 (20-21) DU		SB-2 (1-5)		SB-2 (13-14)		SB-3 (15-16)		SB-3 (1-5)	
LAB ID:			L1819157-07		L1819157-08		L1819157-09		L1819157-03		L1819157-04		L1819157-05		L1819157-06	
COLLECTION DATE:			5/23/2018		5/23/2018		5/23/2018		5/23/2018		5/23/2018		5/23/2018		5/23/2018	
Semivolatile Organic Compounds			Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q
Acenaphthene	98	100	0.019	U	0.021	U	0.021	U	0.02	U	0.022	U	0.02	U	0.02	U
1,2,4-Trichlorobenzene	--	--	0.021	U	0.023	U	0.024	U	0.022	U	0.024	U	0.022	U	0.022	U
Hexachlorobenzene	3.2	1.2	0.021	U	0.022	U	0.023	U	0.021	U	0.024	U	0.021	U	0.022	U
Bis(2-chloroethyl)ether	--	--	0.025	U	0.027	U	0.028	U	0.026	U	0.028	U	0.026	U	0.026	U
2-Chloronaphthalene	--	--	0.019	U	0.02	U	0.02	U	0.019	U	0.021	U	0.019	U	0.019	U
1,2-Dichlorobenzene	1.1	100	0.034	U	0.036	U	0.037	U	0.034	U	0.038	U	0.034	U	0.035	U
1,3-Dichlorobenzene	2.4	49	0.032	U	0.034	U	0.035	U	0.033	U	0.036	U	0.033	U	0.033	U
1,4-Dichlorobenzene	1.8	13	0.033	U	0.035	U	0.036	U	0.033	U	0.037	U	0.033	U	0.034	U
3,3'-Dichlorobenzidine	--	--	0.05	U	0.053	U	0.055	U	0.051	U	0.056	U	0.051	U	0.052	U
2,4-Dinitrotoluene	--	--	0.038	U	0.04	U	0.041	U	0.038	U	0.042	U	0.038	U	0.039	U
2,6-Dinitrotoluene	--	--	0.032	U	0.034	U	0.035	U	0.033	U	0.036	U	0.033	U	0.033	U
Fluoranthene	1000	100	0.13	U	0.023	U	0.024	U	0.08	J	0.024	U	0.022	U	0.085	J
4-Chlorophenyl phenyl ether	--	--	0.02	U	0.021	U	0.022	U	0.02	U	0.022	U	0.02	U	0.021	U
4-Bromophenyl phenyl ether	--	--	0.029	U	0.03	U	0.031	U	0.029	U	0.032	U	0.029	U	0.03	U
Bis(2-chloroisopropyl)ether	--	--	0.032	U	0.034	U	0.035	U	0.033	U	0.036	U	0.033	U	0.033	U
Bis(2-chloroethoxy)methane	--	--	0.019	U	0.02	U	0.021	U	0.019	U	0.021	U	0.019	U	0.019	U
Hexachlorobutadiene	--	--	0.027	U	0.029	U	0.03	U	0.028	U	0.031	U	0.028	U	0.028	U
Hexachlorocyclopentadiene	--	--	0.17	U	0.18	U	0.19	U	0.17	U	0.19	U	0.17	U	0.18	U
Hexachloroethane	--	--	0.03	U	0.032	U	0.033	U	0.031	U	0.034	U	0.031	U	0.031	U
Isophorone	--	--	0.024	U	0.026	U	0.027	U	0.025	U	0.027	U	0.025	U	0.025	U
Naphthalene	12	100	0.023	U	0.024	U	0.025	U	0.023	U	0.026	U	0.023	U	0.024	U
Nitrobenzene	--	--	0.028	U	0.029	U	0.03	U	0.028	U	0.031	U	0.028	U	0.029	U
NDPA/DPA	--	--	0.021	U	0.023	U	0.023	U	0.022	U	0.024	U	0.022	U	0.022	U
n-Nitrosodi-n-propylamine	--	--	0.029	U	0.031	U	0.032	U	0.03	U	0.032	U	0.03	U	0.03	U
Bis(2-ethylhexyl)phthalate	--	--	0.065	U	0.069	U	0.071	U	0.066	U	0.073	U	0.066	U	0.067	U
Butyl benzyl phthalate	--	--	0.047	U	0.05	U	0.052	U	0.048	U	0.053	U	0.048	U	0.049	U
Di-n-butylphthalate	--	--	0.055	J	0.038	U	0.039	U	0.036	U	0.04	U	0.036	U	0.037	U
Di-n-octylphthalate	--	--	0.064	U	0.068	U	0.07	U	0.065	U	0.071	U	0.065	U	0.066	U
Diethyl phthalate	--	--	0.017	U	0.018	U	0.019	U	0.018	U	0.019	U	0.018	U	0.018	U
Dimethyl phthalate	--	--	0.039	U	0.042	U	0.043	U	0.04	U	0.044	U	0.04	U	0.041	U
Benzo(a)anthracene	1	1	0.078	J	0.022	U	0.023	U	0.055	J	0.024	U	0.022	U	0.055	J
Benzo(a)pyrene	22	1	0.079	J	0.048	U	0.05	U	0.053	J	0.051	U	0.047	U	0.055	J
Benzo(b)fluoranthene	1.7	1	0.11	U	0.034	U	0.035	U	0.074	J	0.035	U	0.032	U	0.082	J
Benzo(k)fluoranthene	1.7	3.9	0.039	J	0.032	U	0.033	U	0.031	U	0.034	U	0.031	U	0.031	U
Chrysene	1	3.9	0.083	J	0.021	U	0.021	U	0.06	J	0.022	U	0.02	U	0.063	J
Acenaphthylene	107	100	0.029	U	0.031	U	0.032	U	0.03	U	0.032	U	0.03	U	0.03	U
Anthracene	1000	100	0.036	U	0.039	U	0.04	U	0.037	U	0.041	U	0.037	U	0.038	U
Benzo(ghi)perylene	1000	100	0.058	J	0.023	U	0.024	U	0.039	J	0.025	U	0.022	U	0.04	J
Fluorene	386	100	0.018	U	0.019	U	0.02	U	0.019	U	0.02	U	0.019	U	0.019	U
Phenanthrene	1000	100	0.052	J	0.024	U	0.025	U	0.028	J	0.026	U	0.023	U	0.03	J
Dibenzo(a,h)anthracene	1000	0.33	0.022	U	0.023	U	0.024	U	0.022	U	0.024	U	0.022	U	0.022	U
Indeno(1,2,3-cd)pyrene	8.2	0.5	0.057	J	0.028	U	0.029	U	0.042	J	0.029	U	0.027	U	0.041	J
Pyrene	1000	100	0.11	U	0.02	U	0.02	U	0.076	J	0.021	U	0.019	U	0.082	J
Biphenyl	--	--	0.044	U	0.046	U	0.048	U	0.044	U	0.049	U	0.044	U	0.045	U
4-Chloroaniline	--	--	0.034	U	0.036	U	0.038	U	0.035	U	0.038	U	0.035	U	0.035	U
2-Nitroaniline	--	--	0.036	U	0.038	U	0.04	U	0.037	U	0.04	U	0.037	U	0.038	U
3-Nitroaniline	--	--	0.035	U	0.038	U	0.039	U	0.036	U	0.04	U	0.036	U	0.037	U
4-Nitroaniline	--	--	0.078	U	0.082	U	0.085	U	0.079	U	0.087	U	0.079	U	0.08	U
Dibenzofuran	210	59	0.018	U	0.019	U	0.02	U	0.018	U	0.02	U	0.018	U	0.018	U
2-Methylnaphthalene	--	--	0.023	U	0.024	U	0.025	U	0.023	U	0.025	U	0.023	U	0.024	U
1,2,4,5-Tetrachlorobenzene	--	--	0.02	U	0.021	U	0.022	U	0.02	U	0.022	U	0.02	U	0.02	U
Acetophenone	--	--	0.023	U	0.025	U	0.026	U	0.024	U	0.026	U	0.024	U	0.024	U
2,4,6-Trichlorophenol	--	--	0.036	U	0.038	U	0.039	U	0.036	U	0.04	U	0.036	U	0.037	U
p-Chloro-m-cresol	--	--	0.028	U	0.03	U	0.031	U	0.028	U	0.031	U	0.028	U	0.029	U
2-Chlorophenol	--	--	0.022	U	0.024	U	0.024	U	0.023	U	0.025	U	0.023	U	0.023	U
2,4-Dichlorophenol	--	--	0.03	U	0.032	U	0.033	U	0.031	U	0.034	U	0.031	U	0.031	U
2,4-Dimethylphenol	--	--	0.062	U	0.066	U	0.068	U	0.063	U	0.069	U	0.063	U	0.064	U
2-Nitrophenol	--	--	0.07	U	0.075	U	0.078	U	0.072	U	0.079	U	0.072	U	0.073	U
4-Nitrophenol	--	--	0.076	U	0.081	U	0.084	U	0.078	U	0.086	U	0.078	U	0.079	U
2,4-Dinitrophenol	--	--	0.087	U	0.093	U	0.096	U	0.089	U	0.098	U	0.089	U	0.091	U
4,6-Dinitro-o-cresol	--	--	0.09	U	0.096	U	0.099	U	0.092	U	0.1	U	0.092	U	0.093	U
Pentachlorophenol	0.8	6.7	0.041	U	0.044	U	0.045	U	0.042	U	0.046	U	0.042	U	0.043	U
Phenol	0.33	100	0.028	U	0.03	U	0.031	U	0.029	U	0.032	U	0.029	U	0.029	U
2-Methylphenol	0.33	100	0.029	U	0.031	U	0.032	U	0.03	U	0.032	U	0.03	U	0.03	U
3-Methylphenol/4-Methylphenol	0.33	100	0.029	U	0.031	U	0.032	U	0.03	U	0.033	U	0.03	U	0.03	U
2,4,5-Trichlorophenol	--	--	0.036	U	0.038	U	0.039	U	0.037	U	0.04	U	0.037	U	0.037	U
Benzoic Acid	--	--	0.19	U	0.2	U	0.21	U	0.19	U	0.21	U	0.19	U	0.2	U
Benzyl Alcohol	--	--	0.057	U	0.061	U	0.063	U	0.059	U	0.064	U	0.058	U	0.06	U
Carbazole	--	--	0.018	U	0.019	U	0.02	U	0.019	U	0.02	U	0.019	U	0.019	U
Total SVOCs	--	--	0.851	-	-	-	-	-	0.507	-	-	-	-	-	0.533	-

Notes:

NY-RESRR: New York NYCRR Part 375 Restricted-Residential Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation

NY-RESGW: New York NYCRR Part 375 Groundwater Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.

MDL = Maximum Detection Limit

Conc = Concentration

Q = Laboratory Data Qualifier

- = Not Analyzed

Cells highlighted in yellow indicate a concentration above NY-UNRES

Cells highlighted in orange indicate a concentration above NY-RESRR and NY-UNRES

Cells shaded in grey indicate MDL values above NY-UNRES or NY-RESRR

For U qualified entries, the MDL is shown

U = not detected at or above the MDL

For J qualified entries, the estimated concentration is shown

P = estimated value, indicating the detected value is below the RL, but above the MDL

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

-- = No standard

Table 2 - Semivolatile Organic Compounds in Soil
2135 Westchester Avenue - Bronx, NY

SAMPLE ID:			SB-4 (0-5)		SB-4 (18-20)		SB-5 (1-2)		SB-5 (15-17)		SI-S (0-0.5)		SI-E (0-0.5)		SI-C (0.5-1)		SI-N (0.5-1.5)		SI-W (0-1)	
LAB ID:			L1819157-10		L1819157-11		L1819157-01		L1819157-02		L1819157-12		L1819157-13		L1819157-14		L1819157-15		L1819157-18	
COLLECTION DATE:	NY-RESGW	NY-RESRR	5/23/2018		5/23/2018		5/23/2018		5/23/2018		5/23/2018		5/23/2018		5/23/2018		5/23/2018		5/23/2018	
Semivolatile Organic Compounds			Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q
Acenaphthene	98	100	0.019	U	0.019	U	0.02	U	0.019	U	0.019	U	0.019	U	0.018	U	0.018	U	0.02	U
1,2,4-Trichlorobenzene	--	--	0.021	U	0.021	U	0.022	U	0.021	U	0.022	U	0.021	U	0.02	U	0.02	U	0.022	U
Hexachlorobenzene	3.2	1.2	0.021	U	0.02	U	0.021	U	0.02	U	0.021	U	0.021	U	0.02	U	0.02	U	0.022	U
Bis(2-chloroethyl)ether	--	--	0.025	U	0.025	U	0.026	U	0.025	U	0.026	U	0.025	U	0.024	U	0.024	U	0.026	U
2-Chloronaphthalene	--	--	0.018	U	0.018	U	0.019	U	0.018	U	0.019	U	0.018	U	0.017	U	0.018	U	0.019	U
1,2-Dichlorobenzene	1.1	100	0.033	U	0.033	U	0.034	U	0.033	U	0.034	U	0.033	U	0.032	U	0.032	U	0.035	U
1,3-Dichlorobenzene	2.4	49	0.032	U	0.031	U	0.032	U	0.031	U	0.032	U	0.032	U	0.03	U	0.031	U	0.033	U
1,4-Dichlorobenzene	1.8	13	0.032	U	0.032	U	0.033	U	0.032	U	0.033	U	0.032	U	0.031	U	0.031	U	0.034	U
3,3'-Dichlorobenzidine	--	--	0.049	U	0.048	U	0.05	U	0.048	U	0.05	U	0.05	U	0.047	U	0.048	U	0.051	U
2,4-Dinitrotoluene	--	--	0.037	U	0.036	U	0.038	U	0.036	U	0.038	U	0.037	U	0.035	U	0.036	U	0.038	U
2,6-Dinitrotoluene	--	--	0.032	U	0.031	U	0.032	U	0.031	U	0.032	U	0.032	U	0.03	U	0.031	U	0.033	U
Fluoranthene	1000	100	0.021	U	0.021	U	0.36		0.021	U	0.024	J	0.063	J	0.02	U	0.021	U	0.042	J
4-Chlorophenyl phenyl ether	--	--	0.02	U	0.019	U	0.02	U	0.019	U	0.02	U	0.02	U	0.019	U	0.019	U	0.021	U
4-Bromophenyl phenyl ether	--	--	0.028	U	0.028	U	0.029	U	0.028	U	0.029	U	0.028	U	0.027	U	0.027	U	0.029	U
Bis(2-chloroisopropyl)ether	--	--	0.032	U	0.031	U	0.032	U	0.031	U	0.032	U	0.032	U	0.03	U	0.031	U	0.033	U
Bis(2-chloroethoxy)methane	--	--	0.019	U	0.018	U	0.019	U	0.018	U	0.019	U	0.019	U	0.018	U	0.018	U	0.019	U
Hexachlorobutadiene	--	--	0.027	U	0.026	U	0.028	U	0.027	U	0.028	U	0.027	U	0.026	U	0.026	U	0.028	U
Hexachlorocyclopentadiene	--	--	0.17	U	0.16	U	0.17	U	0.16	U	0.17	U	0.17	U	0.16	U	0.16	U	0.17	U
Hexachloroethane	--	--	0.03	U	0.029	U	0.03	U	0.029	U	0.03	U	0.03	U	0.028	U	0.029	U	0.031	U
Isophorone	--	--	0.024	U	0.024	U	0.024	U	0.024	U	0.024	U	0.024	U	0.023	U	0.023	U	0.025	U
Naphthalene	12	100	0.023	U	0.022	U	0.023	U	0.022	U	0.023	U	0.023	U	0.021	U	0.022	U	0.045	J
Nitrobenzene	--	--	0.027	U	0.027	U	0.028	U	0.027	U	0.028	U	0.028	U	0.026	U	0.026	U	0.028	U
NDPA/DPA	--	--	0.021	U	0.021	U	0.022	U	0.021	U	0.021	U	0.021	U	0.02	U	0.02	U	0.022	U
n-Nitrosodi-n-propylamine	--	--	0.029	U	0.028	U	0.029	U	0.028	U	0.029	U	0.029	U	0.027	U	0.028	U	0.03	U
Bis(2-ethylhexyl)phthalate	--	--	0.064	U	0.063	U	0.065	U	0.063	U	0.065	U	0.064	U	0.061	U	0.062	U	0.067	U
Butyl benzyl phthalate	--	--	0.047	U	0.046	U	0.048	U	0.046	U	0.047	U	0.047	U	0.044	U	0.045	U	0.049	U
Di-n-butylphthalate	--	--	0.035	U	0.034	U	0.036	U	0.034	U	0.036	U	0.035	U	0.033	U	0.034	U	0.036	U
Di-n-octylphthalate	--	--	0.063	U	0.062	U	0.064	U	0.062	U	0.064	U	0.063	U	0.06	U	0.061	U	0.066	U
Diethyl phthalate	--	--	0.017	U	0.017	U	0.017	U	0.017	U	0.017	U	0.017	U	0.016	U	0.017	U	0.018	U
Dimethyl phthalate	--	--	0.039	U	0.038	U	0.04	U	0.038	U	0.04	U	0.039	U	0.037	U	0.038	U	0.04	U
Benzo(a)anthracene	1	1	0.021	U	0.02	U	0.22		0.02	U	0.021	J	0.037	J	0.02	U	0.02	U	0.03	J
Benzo(a)pyrene	22	1	0.045	U	0.044	U	0.2		0.044	U	0.046	U	0.045	U	0.043	U	0.044	U	0.047	U
Benzo(b)fluoranthene	1.7	1	0.031	U	0.03	U	0.3		0.031	U	0.041	J	0.053	J	0.03	U	0.03	U	0.039	J
Benzo(k)fluoranthene	1.7	3.9	0.03	U	0.029	U	0.099	J	0.029	U	0.03	U	0.03	U	0.028	U	0.029	U	0.031	U
Chrysene	1	3.9	0.019	U	0.019	U	0.23		0.019	U	0.023	J	0.039	J	0.018	U	0.019	U	0.057	J
Acenaphthylene	107	100	0.029	U	0.028	U	0.038	J	0.028	U	0.029	U	0.029	U	0.027	U	0.028	U	0.03	U
Anthracene	1000	100	0.036	U	0.035	U	0.037	U	0.035	U	0.037	U	0.036	U	0.034	U	0.035	U	0.038	U
Benzo(g,h,i)perylene	1000	100	0.022	U	0.021	U	0.14	J	0.021	U	0.038	J	0.028	J	0.021	U	0.021	U	0.023	U
Fluorene	386	100	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.017	U	0.017	U	0.019	U
Phenanthrene	1000	100	0.022	U	0.022	U	0.12		0.022	U	0.023	U	0.057	J	0.021	U	0.022	U	0.12	
Dibenzo(a,h)anthracene	1000	0.33	0.021	U	0.021	U	0.034	J	0.021	U	0.022	U	0.022	U	0.02	U	0.021	U	0.022	U
Indeno(1,2,3-cd)pyrene	8.2	0.5	0.026	U	0.025	U	0.15		0.025	U	0.031	J	0.028	J	0.024	U	0.025	U	0.027	U
Pyrene	1000	100	0.018	U	0.018	U	0.32		0.018	U	0.024	J	0.052	J	0.017	U	0.018	U	0.043	J
Biphenyl	--	--	0.043	U	0.042	U	0.044	U	0.042	U	0.044	U	0.043	U	0.041	U	0.042	U	0.045	U
4-Chloroaniline	--	--	0.034	U	0.033	U	0.034	U	0.033	U	0.034	U	0.034	U	0.032	U	0.033	U	0.035	U
2-Nitroaniline	--	--	0.036	U	0.035	U	0.036	U	0.035	U	0.036	U	0.036	U	0.034	U	0.035	U	0.037	U
3-Nitroaniline	--	--	0.035	U	0.034	U	0.036	U	0.034	U	0.035	U	0.035	U	0.033	U	0.034	U	0.036	U
4-Nitroaniline	--	--	0.077	U	0.075	U	0.078	U	0.075	U	0.078	U	0.077	U	0.073	U	0.074	U	0.08	U
Dibenzofuran	210	59	0.018	U	0.017	U	0.018	U	0.017	U	0.018	U	0.018	U	0.017	U	0.017	U	0.018	U
2-Methylnaphthalene	--	--	0.022	U	0.022	U	0.023	U	0.022	U	0.023	U	0.022	U	0.021	U	0.022	U	0.074	J
1,2,4,5-Tetrachlorobenzene	--	--	0.019	U	0.019	U	0.02	U	0.019	U	0.02	U	0.019	U	0.018	U	0.019	U	0.02	U
Acetophenone	--	--	0.023	U	0.022	U	0.023	U	0.022	U	0.023	U	0.023	U	0.022	U	0.022	U	0.024	U
2,4,6-Trichlorophenol	--	--	0.035	U	0.034	U	0.036	U	0.034	U	0.036	U	0.035	U	0.033	U	0.034	U	0.036	U
p-Chloro-m-cresol	--	--	0.028	U	0.027	U	0.028	U	0.027	U	0.028	U	0.028	U	0.026	U	0.027	U	0.029	U
2-Chlorophenol	--	--	0.022	U	0.021	U	0.022	U	0.021	U	0.022	U	0.022	U	0.021	U	0.021	U	0.023	U
2,4-Dichlorophenol	--	--	0.03	U	0.029	U	0.03	U	0.029	U	0.03	U	0.03	U	0.028	U	0.029	U	0.031	U
2,4-Dimethylphenol	--	--	0.061	U	0.06	U	0.062	U	0.06	U	0.062	U	0.061	U	0.058	U	0.059	U	0.064	U
2-Nitrophenol	--	--	0.07	U	0.068	U	0.071	U	0.068	U	0.071	U	0.07	U	0.066	U	0.067	U	0.072	U
4-Nitrophenol	--	--	0.076	U	0.074	U	0.077	U	0.074	U	0.077	U	0.076	U	0.072	U	0.073	U	0.079	U
2,4-Dinitrophenol	--	--	0.086	U	0.085	U	0.088	U	0.085	U	0.088	U	0.087	U	0.082	U	0.084	U	0.09	U
4,6-Dinitro-o-cresol	--	--	0.089	U	0.087	U	0.091	U	0.087	U	0.09	U	0.089							

Table 3 - Herbicides, Pesticides and PCBs in Soil
2135 Westchester Avenue - Bronx, NY

SAMPLE ID:			SB-1 (1-5)		SB-1 (20-21)		SB-1 (20-21) DUP		SB-2 (1-5)		SB-2 (13-14)		SB-3 (15-16)	
LAB ID:			L1819157-07		L1819157-08		L1819157-09		L1819157-03		L1819157-04		L1819157-05	
COLLECTION DATE:	NY-RESGW	NY-RESRR	5/23/2018		5/23/2018		5/23/2018		5/23/2018		5/23/2018		5/23/2018	
Herbicides			Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q
Units: mg/kg														
2,4-D	--	--	0.012	U	0.0127	U	0.0129	U	0.0121	U	0.0131	U	0.0119	U
2,4,5-T	--	--	0.00589	U	0.00627	U	0.00633	U	0.00593	U	0.00643	U	0.00585	U
2,4,5-TP (Silvex)	3.8	100	0.00506	U	0.00538	U	0.00543	U	0.00509	U	0.00552	U	0.00502	U
Pesticides														
Delta-BHC	0.25	100	0.000357	U	0.000368	U	0.000386	U	0.000361	U	0.000392	U	0.00036	U
Lindane	0.1	13	0.00034	U	0.00035	U	0.000367	U	0.000343	U	0.000373	U	0.000342	U
Alpha-BHC	0.02	0.48	0.000216	U	0.000222	U	0.000233	U	0.000218	U	0.000237	U	0.000218	U
Beta-BHC	0.09	0.36	0.000692	U	0.000712	U	0.000748	U	0.000699	U	0.000759	U	0.000697	U
Heptachlor	0.38	2.1	0.000409	U	0.000421	U	0.000442	U	0.000413	U	0.000449	U	0.000412	U
Aldrin	0.19	0.097	0.000642	U	0.000661	U	0.000694	U	0.000649	U	0.000705	U	0.000647	U
Heptachlor epoxide	--	--	0.00102	U	0.00106	U	0.00111	U	0.00104	U	0.00113	U	0.00103	U
Endrin	0.06	11	0.000312	U	0.000321	U	0.000337	U	0.000315	U	0.000342	U	0.000314	U
Endrin aldehyde	--	--	0.000798	U	0.000821	U	0.000863	U	0.000806	U	0.000876	U	0.000804	U
Endrin ketone	--	--	0.00047	U	0.000483	U	0.000508	U	0.000474	U	0.000516	U	0.000473	U
Dieldrin	0.1	0.2	0.00057	U	0.000587	U	0.000616	U	0.000576	U	0.000626	U	0.000574	U
4,4'-DDE	17	8.9	0.000594	J	0.000434	U	0.000456	U	0.000951	J	0.000463	U	0.000425	U
4,4'-DDD	14	13	0.00065	U	0.00067	U	0.000703	U	0.000657	U	0.000714	U	0.000656	U
4,4'-DDT	136	7.9	0.00164	J	0.00151	U	0.00159	U	0.0026	J	0.00161	U	0.00148	U
Endosulfan I	102	24	0.000431	U	0.000444	U	0.000466	U	0.000435	U	0.000473	U	0.000434	U
Endosulfan II	102	24	0.000609	U	0.000627	U	0.000659	U	0.000616	U	0.000669	U	0.000614	U
Endosulfan sulfate	1000	24	0.000362	U	0.000372	U	0.000391	U	0.000365	U	0.000397	U	0.000364	U
Methoxychlor	--	--	0.00106	U	0.0011	U	0.00115	U	0.00107	U	0.00117	U	0.00107	U
Toxaphene	--	--	0.00958	U	0.00986	U	0.0104	U	0.00967	U	0.0105	U	0.00965	U
cis-Chlordane	2.9	4.2	0.000635	U	0.000654	U	0.000687	U	0.000642	U	0.000698	U	0.00064	U
trans-Chlordane	--	--	0.000602	U	0.000619	U	0.000651	U	0.000608	U	0.000661	U	0.000606	U
Chlordane	--	--	0.00604	U	0.00622	U	0.00653	U	0.0061	U	0.00663	U	0.00609	U
Polychlorinated Biphenyls														
Aroclor 1016	3.2	1	0.00422	U	0.00444	U	0.0046	U	0.00425	U	0.00476	U	0.00434	U
Aroclor 1221	3.2	1	0.00567	U	0.00595	U	0.00618	U	0.0057	U	0.00639	U	0.00582	U
Aroclor 1232	3.2	1	0.00367	U	0.00385	U	0.004	U	0.00369	U	0.00413	U	0.00376	U
Aroclor 1242	3.2	1	0.00456	U	0.00479	U	0.00497	U	0.00459	U	0.00514	U	0.00468	U
Aroclor 1248	3.2	1	0.00431	U	0.00439	U	0.00456	U	0.0042	U	0.00471	U	0.00429	U
Aroclor 1254	3.2	1	0.00304	U	0.00319	U	0.00331	U	0.00306	U	0.00343	U	0.00312	U
Aroclor 1260	3.2	1	0.00389	U	0.00408	U	0.00424	U	0.00391	U	0.00438	U	0.00399	U
Aroclor 1262	3.2	1	0.00306	U	0.00321	U	0.00334	U	0.00308	U	0.00345	U	0.00314	U
Aroclor 1268	3.2	1	0.00264	U	0.00277	U	0.00287	U	0.00265	U	0.00297	U	0.00271	U
PCBs, Total	3.2	1	0.00264	U	0.00277	U	0.00287	U	0.00265	U	0.00297	U	0.00271	U

Notes:

NY-RESRR: New York NYCRR Part 375 Restricted-Residential Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental

NY-RESGW: New York NYCRR Part 375 Groundwater Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.

MDL = Maximum Detection Limit

Conc = Concentration

Q = Laboratory Data Qualifier

-- = Not Analyzed

Cells highlighted in yellow indicate a concentration above NY-UNRES

Cells highlighted in orange indicate a concentration above NY-RESRR and NY-UNRES

Cells shaded in grey indicate MDL values above NY-UNRES or NY-RESRR

For U qualified entries, the MDL is shown

U = not detected at or above the MDL

For J qualified entries, the estimated concentration is shown

J = estimated value, indicating the detected value is below the RL, but above the MDL

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

-- = No standard

Table 3 - Herbicides, Pesticides and PCBs in Soil
2135 Westchester Avenue - Bronx, NY

SAMPLE ID:			SB-3 (1-5)		SB-4 (0-5)		SB-4 (18-20)		SB-5 (1-2)		SB-5 (15-17)		SI-S (0-0.5)		SI-E (0-0.5)		SI-C (0.5-1)		SI-N (0.5-1.5)		SI-W (0-1)	
LAB ID:			L1819157-06		L1819157-10		L1819157-11		L1819157-01		L1819157-02		L1819157-12		L1819157-13		L1819157-14		L1819157-15		L1819157-18	
COLLECTION DATE:	NY-RESGW	NY-RESRR	5/23/2018		5/23/2018		5/23/2018		5/23/2018		5/23/2018		5/23/2018		5/23/2018		5/23/2018		5/23/2018		5/23/2018	
Herbicides			Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q
Units: mg/kg																						
2,4-D	--	--	0.0122	U	0.0115	U	0.0114	U	0.0118	U	0.0116	U	0.0119	U	0.0117	U	0.0111	U	0.0113	U	0.012	U
2,4,5-T	--	--	0.006	U	0.00568	U	0.00563	U	0.00578	U	0.00571	U	0.00586	U	0.00575	U	0.00548	U	0.00555	U	0.0059	U
2,4,5-TP (Silvex)	3.8	100	0.00514	U	0.00487	U	0.00483	U	0.00496	U	0.0049	U	0.00502	U	0.00494	U	0.0047	U	0.00476	U	0.00506	U
Pesticides																						
Delta-BHC	0.25	100	0.000357	U	0.000353	U	0.000338	U	0.000352	U	0.000344	U	0.000349	U	0.000352	U	0.00033	U	0.000328	U	0.000755	J
Lindane	0.1	13	0.000339	U	0.000336	U	0.000321	U	0.000335	U	0.000327	U	0.000332	U	0.000335	U	0.000314	U	0.000312	U	0.000332	U
Alpha-BHC	0.02	0.48	0.000216	U	0.000213	U	0.000204	U	0.000213	U	0.000208	U	0.000211	U	0.000213	U	0.000199	U	0.000198	U	0.000211	U
Beta-BHC	0.09	0.36	0.000691	U	0.000683	U	0.000654	U	0.000682	U	0.000665	U	0.000675	U	0.000682	U	0.000639	U	0.000634	U	0.000675	U
Heptachlor	0.38	2.1	0.000408	U	0.000404	U	0.000387	U	0.000403	U	0.000393	U	0.000399	U	0.00403	U	0.000378	U	0.000375	U	0.000399	U
Aldrin	0.19	0.097	0.000642	U	0.000634	U	0.000608	U	0.000633	U	0.000618	U	0.000627	U	0.00634	U	0.000593	U	0.000589	U	0.000627	U
Heptachlor epoxide	--	--	0.00102	U	0.00101	U	0.000971	U	0.00101	U	0.000987	U	0.001	U	0.0101	U	0.000948	U	0.000941	U	0.001	U
Endrin	0.06	11	0.000311	U	0.000308	U	0.000295	U	0.000307	U	0.0003	U	0.000304	U	0.00307	U	0.000288	U	0.000286	U	0.000304	U
Endrin aldehyde	--	--	0.000797	U	0.000788	U	0.000755	U	0.000787	U	0.000768	U	0.000779	U	0.00787	U	0.000737	U	0.000732	U	0.000779	U
Endrin ketone	--	--	0.000469	U	0.000464	U	0.000444	U	0.000463	U	0.000452	U	0.000458	U	0.00463	U	0.000434	U	0.000431	U	0.000459	U
Dieldrin	0.1	0.2	0.00057	U	0.000563	U	0.000539	U	0.000672	J	0.000548	U	0.000556	U	0.00562	U	0.000527	U	0.000523	U	0.000556	U
4,4'-DDE	17	8.9	0.000755	J	0.000417	U	0.000399	U	0.00123	J	0.000406	U	0.00172	J	0.00416	U	0.00039	U	0.000493	J	0.0016	J
4,4'-DDD	14	13	0.00065	U	0.000642	U	0.000616	U	0.000642	U	0.000626	U	0.000635	U	0.00642	U	0.000601	U	0.000597	U	0.000635	U
4,4'-DDT	136	7.9	0.00025	J	0.00145	U	0.00139	U	0.0024	J	0.00141	U	0.00151	J	0.0145	U	0.00136	U	0.00134	U	0.00174	J
Endosulfan I	102	24	0.00043	U	0.000426	U	0.000408	U	0.000425	U	0.000415	U	0.000421	U	0.00425	U	0.000398	U	0.000395	U	0.000421	U
Endosulfan II	102	24	0.000609	U	0.000602	U	0.000577	U	0.000601	U	0.000586	U	0.000595	U	0.00601	U	0.000563	U	0.000559	U	0.000595	U
Endosulfan sulfate	1000	24	0.000361	U	0.000357	U	0.000342	U	0.000357	U	0.000386	U	0.000353	U	0.00357	U	0.000334	U	0.000332	U	0.000353	U
Methoxychlor	--	--	0.00106	U	0.00105	U	0.00101	U	0.00105	U	0.00102	U	0.00104	U	0.0105	U	0.000983	U	0.000976	U	0.00104	U
Toxaphene	--	--	0.00957	U	0.00946	U	0.00906	U	0.00944	U	0.00921	U	0.00935	U	0.0945	U	0.00885	U	0.00878	U	0.00935	U
cis-Chlordane	2.9	4.2	0.000635	U	0.000628	U	0.000601	U	0.000626	U	0.000611	U	0.00062	U	0.00627	U	0.000587	U	0.000583	U	0.00062	U
trans-Chlordane	--	--	0.000601	U	0.000594	U	0.00057	U	0.000594	U	0.000579	U	0.000588	U	0.00594	U	0.000556	U	0.000552	U	0.000588	U
Chlordane	--	--	0.00604	U	0.00597	U	0.00572	U	0.00596	U	0.00581	U	0.0059	U	0.0596	U	0.00558	U	0.00554	U	0.0059	U
Polychlorinated Biphenyls																						
Aroclor 1016	3.2	1	0.00426	U	0.0042	U	0.00411	U	0.00432	U	0.00421	U	0.00427	U	0.00428	U	0.00404	U	0.00402	U	0.00435	U
Aroclor 1221	3.2	1	0.00572	U	0.00563	U	0.00552	U	0.0058	U	0.00565	U	0.00573	U	0.00574	U	0.00542	U	0.00539	U	0.00584	U
Aroclor 1232	3.2	1	0.0037	U	0.00364	U	0.00356	U	0.00375	U	0.00365	U	0.0037	U	0.00371	U	0.0035	U	0.00348	U	0.00377	U
Aroclor 1242	3.2	1	0.0046	U	0.00453	U	0.00444	U	0.00467	U	0.00454	U	0.00461	U	0.00462	U	0.00436	U	0.00434	U	0.00469	U
Aroclor 1248	3.2	1	0.00422	U	0.00415	U	0.00407	U	0.00428	U	0.00416	U	0.00422	U	0.00423	U	0.00399	U	0.00397	U	0.0043	U
Aroclor 1254	3.2	1	0.00307	U	0.00302	U	0.00296	U	0.00311	U	0.00303	U	0.00307	U	0.00308	U	0.0029	U	0.00289	U	0.00313	U
Aroclor 1260	3.2	1	0.00392	U	0.00386	U	0.00378	U	0.00398	U	0.00388	U	0.00393	U	0.00394	U	0.00372	U	0.0037	U	0.004	U
Aroclor 1262	3.2	1	0.00309	U	0.00304	U	0.00298	U	0.00314	U	0.00305	U	0.0031	U	0.0031	U	0.00292	U	0.00291	U	0.00315	U
Aroclor 1268	3.2	1	0.00266	U	0.00262	U	0.00256	U	0.0027	U	0.00263	U	0.00266	U	0.00267	U	0.00252	U	0.00251	U	0.00271	U
PCBs, Total	3.2	1	0.00266	U	0.00262	U	0.00256	U	0.0027	U	0.00263	U	0.00266	J	0.00267	U	0.00252	U	0.00251	U	0.00271	U

Notes:

NY-RESRR: New York NYCRR Part 375 Restricted-Residential Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental

NY-RESGW: New York NYCRR Part 375 Groundwater Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.

MDL = Maximum Detection Limit

Conc = Concentration

Q = Laboratory Data Qualifier

-- = Not Analyzed

Cells highlighted in yellow indicate a concentration above NY-UNRES

Cells highlighted in orange indicate a concentration above NY-RESRR and NY-UNRES

Cells shaded in grey indicate MDL values above NY-UNRES or NY-RESRR

For U qualified entries, the MDL is shown

U = not detected at or above the MDL

For J qualified entries, the estimated concentration is shown

J = estimated value, indicating the detected value is below the RL, but above the MDL

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

-- = No standard

Table 4 - Total Metals in Soil
2135 Westchester Avenue - Bronx, NY

SAMPLE ID:			SB-5 (1-2)		SB-5 (15-17)		SB-2 (1-5)		SB-2 (13-14)		SB-3 (15-16)		SB-3 (1-5)	
LAB ID:			L1819157-01		L1819157-02		L1819157-03		L1819157-04		L1819157-05		L1819157-06	
COLLECTION DATE:	NY-RESGW	NY-RESRR	5/23/2018		5/23/2018		5/23/2018		5/23/2018		5/23/2018		5/23/2018	
Total Metals Units: mg/kg			Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q
Aluminum, Total	--	--	13500		20400		11700		8200		31500		12900	
Antimony, Total	--	--	0.344	U	0.377	J	0.353	U	0.367	U	0.47	J	34.1	
Arsenic, Total	16	16	3.44		1.74	U	1.62		0.201	U	0.184	U	2.54	J
Barium, Total	820	400	53.7		352		26.6		55.2		388		153	
Beryllium, Total	47	72	0.353	J	0.612		0.306	J	0.27	J	0.709		0.363	J
Cadmium, Total	7.5	4.3	0.434	J	0.906		0.39	J	0.212	J	0.168	J	7.56	
Calcium, Total	--	--	1250		1620		765		1500		1730		2370	
Chromium, Total	--	--	24.6		57.9		26.8		10.4		15.1		30.8	
Cobalt, Total	--	--	8.74		25.1		7.74		13.8		6.45		161	
Copper, Total	1720	270	16.7		42.2		14.2		0.249	U	0.228	U	37.5	
Cyanide, Total	40	27	0.23	U	0.23	U	0.24	U	0.25	U	0.24	U	0.25	U
Chromium, Hexavalent	19	110	0.184	U	0.179	U	0.188	U	0.203	U	0.185	U	0.19	U
Iron, Total	--	--	21200		41900		19800		11000		9780		24900	
Lead, Total	450	400	32.5		18.8		10.4		10.3		1.12	J	1110	
Magnesium, Total	--	--	2200		11600		2440		3590		1020		4650	
Manganese, Total	2000	2000	239		981		232		636		320		585	
Mercury, Total	0.73	0.81	0.036	J	0.015	U	0.279		0.017	U	0.015	U	0.297	
Nickel, Total	130	310	11.2		41.9		12.9		11.8		214		276	
Potassium, Total	--	--	722		14800		908		4030		491		4730	
Selenium, Total	4	180	1.43	J	1.84		1.11	J	0.483	J	0.868	J	13.9	
Silver, Total	8.3	180	0.256	U	0.237	U	0.263	U	0.273	U	0.251	U	0.257	U
Sodium, Total	--	--	657		275		300		62	J	224		256	
Thallium, Total	--	--	0.398	J	0.264	U	0.292	U	0.541	J	0.549	J	0.286	U
Vanadium, Total	--	--	30.9		75.9		35.8		10.9		14.1		46.2	
Zinc, Total	2480	10000	37.6		82.6		28.2		33.4		16.1		1290	

Notes:

NY-RESRR: New York NYCRR Part 375 Restricted-Residential Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation
 NY-RESGW: New York NYCRR Part 375 Groundwater Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.

MDL = Maximum Detection Limit

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J = estimated value, indicating the detected value is below the RL, but above the MDL

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

-- = No standard

Table 4 - Total Metals in Soil
2135 Westchester Avenue - Bronx, NY

SAMPLE ID:			SB-1 (1-5)		SB-1 (20-21)		SB-1 (20-21) DUP		SB-4 (0-5)		SB-4 (18-20)		SI-S (0-0.5)		SI-E (0-0.5)		SI-C (0.5-1)		SI-N (0.5-1.5)		SI-W (0-1)	
LAB ID:			L1819157-07		L1819157-08		L1819157-09		L1819157-10		L1819157-11		L1819157-12		L1819157-13		L1819157-14		L1819157-15		L1819157-18	
COLLECTION DATE:	NY-RESGW	NY-RESRR	5/23/2018		5/23/2018		5/23/2018		5/23/2018		5/23/2018		5/23/2018		5/23/2018		5/23/2018		5/23/2018		5/23/2018	
Total Metals Units: mg/kg			Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q
Aluminum, Total	--	--	16700		18100		22900		11700		14800		13500		7150		28700		17000		4890	
Antimony, Total	--	--	0.343	U	0.349	U	0.366	U	0.341	U	0.322	U	0.705	J	0.771	J	0.347	J	0.364	J	0.573	J
Arsenic, Total	16	16	0.442	J	0.191	U	0.2	U	0.681	J	0.176	U	6.39		8.66		0.176	U	0.18	U	5.44	
Barium, Total	820	400	192		257		348		63.3		208		292		349		598		273		190	
Beryllium, Total	47	72	0.406	J	0.533		0.655		0.412	J	0.322	J	0.54		0.29	J	0.516		0.268	J	0.37	J
Cadmium, Total	7.5	4.3	0.686	J	0.68	J	0.761	J	0.358	J	0.593	J	0.558	J	0.581	J	0.888		0.476	J	0.472	J
Calcium, Total	--	--	1760		1990		2320		1190		1210		9180		16400		3130		4800		8120	
Chromium, Total	--	--	41.1		109		109		20.7		24.2		34.2		25.8		127		65.1		11.1	
Cobalt, Total	--	--	19.5		25.1		31.5		8.59		18.9		13.4		9.87		39.5		17.8		6.85	
Copper, Total	1720	270	103		6.08		4.84		25.8		4.42		39.6		51.7		13.5		42.6		41.3	
Cyanide, Total	40	27	0.23	U	0.25	U	0.26	U	0.23	U	0.22	U	0.23	U	0.22	U	0.22	U	0.21	U	0.23	U
Chromium, Hexavalent	19	110	0.184	U	0.195	U	0.198	U	0.181	U	0.178	U	0.184	U	0.183	U	0.171	U	0.175	U	0.187	U
Iron, Total	--	--	31200		35500		39000		17900		28900		19400		11400		44600		23600		13000	
Lead, Total	450	400	64		2.06	J	2.24	J	7.4		6.47		53.8		111		22.1		8.92		56.6	
Magnesium, Total	--	--	6860		13300		16500		2730		7710		7560		7130		21100		10800		3390	
Manganese, Total	2000	2000	630		1130		1140		254		374		281		185		1050		427		149	
Mercury, Total	0.73	0.81	0.174		0.016	U	0.017	U	0.042	J	0.015	U	0.047	J	0.045	J	0.014	U	0.015	U	0.064	J
Nickel, Total	130	310	34.2		78		92.9		13.2		21.5		32.7		30.4		101		57.1		15.7	
Potassium, Total	--	--	7720		9690		12400		1850		11000		5080		3020		17200		6980		1570	
Selenium, Total	4	180	1.63	J	1.36	J	1.65	J	1.11	J	0.949	J	1.99		2.01		1.53	J	1.08	J	1.28	J
Silver, Total	8.3	180	0.256	U	0.26	U	0.273	U	0.254	U	0.24	U	0.259	U	0.257	U	0.239	U	0.245	U	0.262	U
Sodium, Total	--	--	302		173	J	217		196		121	J	232		256		358		283		206	
Thallium, Total	--	--	0.284	U	0.289	U	0.304	U	0.282	U	0.267	U	0.288	U	0.327	J	0.266	U	0.273	U	0.324	J
Vanadium, Total	--	--	81.1		57.8		69		28.7		37.9		84.8		85.9		87.4		45.1		36.8	
Zinc, Total	2480	10000	88.4		51.9		61.6		29		78		108		146		78.2		42.9		90	

Notes:

NY-RESRR: New York NYCRR Part 375 Restricted-Residential Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation
NY-RESGW: New York NYCRR Part 375 Groundwater Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.

MDL = Maximum Detection Limit

Conc = Concentration

Q = Laboratory Data Qualifier

-- = Not Analyzed

Cells highlighted in yellow indicate a concentration above NY-UNRES

Cells highlighted in orange indicate a concentration above NY-RESRR and NY-UNRES

Cells shaded in grey indicate MDL values above NY-UNRES or NY-RESRR

For U qualified entries, the MDL is shown

U = not detected at or above the MDL

For J qualified entries, the estimated concentration is shown

J = estimated value, indicating the detected value is below the RL, but above the MDL

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

-- = No standard

Table 5 - Volatile Organic Compounds in Groundwater
2135 Westchester Avenue - Bronx, NY

SAMPLE ID:		MW-3S	MW-2	MW-4B	MW-4B DUP	MW-4S	MW-1B	MW-1	TRIP BLANK
LAB ID:		L1826668-01	L1826668-02	L1826668-03	L1826668-04	L1826668-05	L1826668-07	L1826668-08	L1826668-09
COLLECTION DATE:		7/12/2018	7/12/2018	7/12/2018	7/12/2018	7/12/2018	7/12/2018	7/12/2018	7/12/2018
Volatile Organic Compounds Units: ug/l	NY-AWQS	Conc	Q	Conc	Q	Conc	Q	Conc	Q
Methylene chloride	5	0.7	U	0.7	U	0.7	U	14	U
1,1-Dichloroethane	5	0.7	U	0.7	U	0.7	U	14	U
Chloroform	7	0.71	J	0.7	U	0.7	U	14	U
Carbon tetrachloride	5	0.13	U	0.13	U	0.13	U	2.7	U
1,2-Dichloropropane	1	0.14	U	0.14	U	0.14	U	2.7	U
Dibromochloromethane	50	0.15	U	0.15	U	0.15	U	3	U
1,1,2-Trichloroethane	1	0.5	U	0.5	U	0.5	U	10	U
Tetrachloroethene	5	5.6		8		0.18	U	800	
Chlorobenzene	5	0.7	U	0.7	U	0.7	U	14	U
Trichlorofluoromethane	5	0.7	U	0.7	U	0.7	U	14	U
1,2-Dichloroethane	0.6	0.13	U	0.47	J	0.13	U	2.6	U
1,1,1-Trichloroethane	5	0.7	U	0.7	U	0.7	U	14	U
Bromodichloromethane	50	0.19	U	0.19	U	0.19	U	3.8	U
trans-1,3-Dichloropropene	0.4	0.16	U	0.16	U	0.16	U	3.3	U
cis-1,3-Dichloropropene	0.4	0.14	U	0.14	U	0.14	U	2.9	U
1,3-Dichloropropene, Total		0.14	U	0.14	U	0.14	U	2.9	U
1,1-Dichloropropene	5	0.7	U	0.7	U	0.7	U	14	U
Bromoform	50	0.65	U	0.65	U	0.65	U	13	U
1,1,2,2-Tetrachloroethane	5	0.17	U	0.17	U	0.17	U	3.3	U
Benzene	1	0.16	U	1.1		0.16	U	3.2	U
Toluene	5	0.7	U	0.7	U	0.7	U	14	U
Ethylbenzene	5	0.7	U	0.7	U	0.7	U	14	U
Chloromethane		0.7	U	0.7	U	0.7	U	14	U
Bromomethane	5	0.7	U	0.7	U	0.7	U	14	U
Vinyl chloride	2	0.07	U	0.07	U	0.07	U	2.9	J
Chloroethane	5	0.7	U	0.7	U	0.7	U	14	U
1,1-Dichloroethene	5	0.17	U	0.17	U	0.17	U	3.4	U
trans-1,2-Dichloroethene	5	0.7	U	0.7	U	0.7	U	76	
Trichloroethene	5	0.48	J	27		0.2	J	1900	
1,2-Dichlorobenzene	3	0.7	U	0.7	U	0.7	U	14	U
1,3-Dichlorobenzene	3	0.7	U	0.7	U	0.7	U	14	U
1,4-Dichlorobenzene	3	0.7	U	0.7	U	0.7	U	14	U
Methyl tert butyl ether	10	0.7	U	5		0.7	U	14	U
p/m-Xylene	5	0.7	U	0.7	U	0.7	U	14	U
o-Xylene	5	0.7	U	0.7	U	0.7	U	14	U
Xylenes, Total		0.7	U	0.7	U	0.7	U	14	U
cis-1,2-Dichloroethene	5	0.7	U	46		0.7	U	420	
1,2-Dichloroethene, Total		0.7	U	46		0.7	U	500	
Dibromomethane	5	1	U	1	U	1	U	20	U
1,2,3-Trichloropropane	0.04	0.7	U	0.7	U	0.7	U	14	U
Acrylonitrile	5	1.5	U	1.5	U	1.5	U	30	U
Styrene	5	0.7	U	0.7	U	0.7	U	14	U
Dichlorodifluoromethane	5	1	U	1	U	1	U	20	U
Acetone	50	7.8		2.3	J	1.9	J	3.3	J
Carbon disulfide	60	1	U	1	U	1	U	1.1	J
2-Butanone	50	1.9	U	1.9	U	1.9	U	39	U
Vinyl acetate		1	U	1	U	1	U	20	U
4-Methyl-2-pentanone		1	U	1	U	1	U	20	U
2-Hexanone	50	1	U	1	U	1	U	20	U
Bromochloromethane	5	0.7	U	0.7	U	0.7	U	14	U
2,2-Dichloropropane	5	0.7	U	0.7	U	0.7	U	14	U
1,2-Dibromomethane	0.0006	0.65	U	0.65	U	0.65	U	13	U
1,3-Dichloropropane	5	0.7	U	0.7	U	0.7	U	14	U
1,1,1,2-Tetrachloroethane	5	0.7	U	0.7	U	0.7	U	14	U
Bromobenzene	5	0.7	U	0.7	U	0.7	U	14	U
n-Butylbenzene	5	0.7	U	0.7	U	0.7	U	14	U
sec-Butylbenzene	5	0.7	U	0.7	U	0.82	J	0.85	J
tert-Butylbenzene	5	0.7	U	0.7	U	0.7	U	14	U
o-Chlorotoluene	5	0.7	U	0.7	U	0.7	U	14	U
p-Chlorotoluene	5	0.7	U	0.7	U	0.7	U	14	U
1,2-Dibromo-3-chloropropane	0.04	0.7	U	0.7	U	0.7	U	14	U
Hexachlorobutadiene	0.5	0.7	U	0.7	U	0.7	U	14	U
Isopropylbenzene	5	0.7	U	0.7	U	0.7	U	14	U
p-Isopropyltoluene	5	0.7	U	0.7	U	0.7	U	14	U
Naphthalene	10	0.7	U	0.7	U	0.7	U	14	U
n-Propylbenzene	5	0.7	U	0.7	U	0.7	U	14	U
1,2,3-Trichlorobenzene	5	0.7	U	0.7	U	0.7	U	14	U
1,2,4-Trichlorobenzene	5	0.7	U	0.7	U	0.7	U	14	U
1,3,5-Trimethylbenzene	5	0.7	U	0.7	U	0.7	U	14	U
1,2,4-Trimethylbenzene	5	0.7	U	0.7	U	0.7	U	14	U
1,4-Dioxane		61	U	61	U	61	U	1200	U
p-Diethylbenzene		0.7	U	0.7	U	0.7	U	14	U
p-Ethyltoluene		0.7	U	0.7	U	0.7	U	14	U
1,2,4,5-Tetramethylbenzene	5	0.54	U	0.54	U	0.54	U	11	U
Ethyl ether		0.7	U	0.7	U	0.7	U	14	U
trans-1,4-Dichloro-2-butene	5	0.7	U	0.7	U	0.7	U	14	U
Total VOCs		14.59	-	89.87	-	2.92	-	3.85	-

Notes:

NY-AWQS: New York TOGS 111 Ambient Water Quality Standards criteria reflects all addendum to criteria through June 2004.

MDL = Maximum Detection Limit

Conc = Concentration

Q = Laboratory Data Qualifier

-- = Not Analyzed

Cells highlighted in yellow indicate concentrations above NY-AWQS

Cells shaded in grey indicate MDL values above NY-AWQS

For U qualified entries, the MDL is shown

U = not detected at or above the MDL

For J qualified entries, the estimated concentration is shown

J = estimated value, indicating the detected value is below the RL, but above the MDL

-- = No standard

**Table 6 - Semivolatile Organic Compounds in Groundwater
2135 Westchester Avenue - Bronx, NY**

SAMPLE ID:	NY-AWQS	MW-1B		MW-1	
LAB ID:		L1826668-07		L1826668-08	
COLLECTION DATE:		7/12/2018		7/12/2018	
Semivolatile Organic Compounds		Conc	Q	Conc	Q
Units: ug/l					
1,2,4-Trichlorobenzene	5	0.5	U	0.5	U
Bis(2-chloroethyl)ether	1	0.5	U	0.5	U
1,2-Dichlorobenzene	3	0.45	U	0.45	U
1,3-Dichlorobenzene	3	0.4	U	0.4	U
1,4-Dichlorobenzene	3	0.43	U	0.43	U
3,3'-Dichlorobenzidine	5	1.6	U	1.6	U
2,4-Dinitrotoluene	5	1.2	U	1.2	U
2,6-Dinitrotoluene	5	0.93	U	0.93	U
4-Chlorophenyl phenyl ether		0.49	U	0.49	U
4-Bromophenyl phenyl ether		0.38	U	0.38	U
Bis(2-chloroisopropyl)ether	5	0.53	U	0.53	U
Bis(2-chloroethoxy)methane	5	0.5	U	0.5	U
Hexachlorocyclopentadiene	5	0.69	U	0.69	U
Isophorone	50	1.2	U	1.2	U
Nitrobenzene	0.4	0.77	U	0.77	U
NDPA/DPA	50	0.42	U	0.42	U
n-Nitrosodi-n-propylamine		0.64	U	0.64	U
Bis(2-ethylhexyl)phthalate	5	1.5	U	1.5	U
Butyl benzyl phthalate	50	1.2	U	1.2	U
Di-n-butylphthalate	50	0.39	U	0.39	U
Di-n-octylphthalate	50	1.3	U	1.3	U
Diethyl phthalate	50	0.38	U	0.38	U
Dimethyl phthalate	50	1.8	U	1.8	U
Biphenyl		0.46	U	0.46	U
4-Chloroaniline	5	1.1	U	1.1	U
2-Nitroaniline	5	0.5	U	0.5	U
3-Nitroaniline	5	0.81	U	0.81	U
4-Nitroaniline	5	0.8	U	0.8	U
Dibenzofuran		0.5	U	0.5	U
1,2,4,5-Tetrachlorobenzene	5	0.44	U	0.44	U
Acetophenone		0.53	U	0.53	U
2,4,6-Trichlorophenol		0.61	U	0.61	U
p-Chloro-m-cresol		0.35	U	0.35	U
2-Chlorophenol		0.48	U	0.48	U
2,4-Dichlorophenol	1	0.41	U	0.41	U
2,4-Dimethylphenol	50	1.8	U	1.8	U
2-Nitrophenol		0.85	U	0.85	U
4-Nitrophenol		0.67	U	0.67	U
2,4-Dinitrophenol	10	6.6	U	6.6	U
4,6-Dinitro-o-cresol		1.8	U	1.8	U
Phenol	1	0.57	U	0.57	U
2-Methylphenol		0.49	U	0.49	U
3-Methylphenol/4-Methylphenol		0.48	U	0.48	U
2,4,5-Trichlorophenol		0.77	U	0.77	U
Benzoic Acid		21	J	2.6	U
Benzyl Alcohol		0.59	U	0.59	U
Carbazole		0.49	U	0.49	U
Acenaphthene	20	0.01	U	0.01	U
2-Chloronaphthalene	10	0.02	U	0.02	U
Fluoranthene	50	0.22		0.02	U
Hexachlorobutadiene	0.5	0.05	U	0.05	U
Naphthalene	10	0.24		0.05	U
Benzo(a)anthracene	0.002	0.06	J	0.02	U
Benzo(a)pyrene	0	0.02	U	0.02	U
Benzo(b)fluoranthene	0.002	0.01	U	0.01	U
Benzo(k)fluoranthene	0.002	0.01	U	0.01	U
Chrysene	0.002	0.05	J	0.01	U
Acenaphthylene		0.01	U	0.01	U
Anthracene	50	0.03	J	0.01	U
Benzo(ghi)perylene		0.01	U	0.01	U
Fluorene	50	0.04	J	0.18	
Phenanthrene	50	0.14		0.02	U
Dibenzo(a,h)anthracene		0.01	U	0.01	U
Indeno(1,2,3-cd)pyrene	0.002	0.01	U	0.01	U
Pyrene	50	0.24		0.02	U
2-Methylnaphthalene		0.07	J	0.02	U
Pentachlorophenol	1	0.01	U	0.01	U
Hexachlorobenzene	0.04	0.01	U	0.01	U
Hexachloroethane	5	0.06	U	0.06	U

Notes:

NY-AWQS: New York TOGS 111 Ambient Water Quality Standards criteria reflects all addendum to criteria through June 2004.

MDL = Maximum Detection Limit

Conc = Concentration

Q = Laboratory Data Qualifier

- = Not Analyzed

Cells highlighted in yellow indicate concentrations above NY-AWQS

Cells shaded in grey indicate MDL values above NY-AWQS

For U qualified entries, the MDL is shown

U = not detected at or above the MDL

For J qualified entries, the estimated concentration is shown

J = estimated value, indicating the detected value is below the RL, but above the MDL

-- = No standard

**Table 7 - Pesticides and PCBs in Groundwater
2135 Westchester Avenue - Bronx, NY**

SAMPLE ID:	NY-AWQS	MW-1B		MW-1	
LAB ID:		L1826668-07		L1826668-08	
COLLECTION DATE:		7/12/2018		7/12/2018	
Chlorinated Herbicides					
Units: ug/l		Conc	Q	Conc	Q
2,4-D	50	0.524	U	0.524	U
2,4,5-T	35	0.559	U	0.559	U
2,4,5-TP (Silvex)		0.567	U	0.567	U
Pesticides					
Delta-BHC	0.04	0.003	U	0.003	U
Lindane	0.05	0.003	U	0.003	U
Alpha-BHC	0.01	0.003	U	0.003	U
Beta-BHC	0.04	0.004	U	0.004	U
Heptachlor	0.04	0.002	U	0.002	U
Aldrin	0	0.002	U	0.002	U
Heptachlor epoxide	0.03	0.003	U	0.003	U
Endrin	0	0.003	U	0.003	U
Endrin aldehyde	5	0.006	U	0.006	U
Endrin ketone	5	0.003	U	0.003	U
Dieldrin	0.004	0.003	U	0.021	J
4,4'-DDE	0.2	0.003	U	0.003	U
4,4'-DDD	0.3	0.003	U	0.003	U
4,4'-DDT	0.2	0.003	U	0.003	U
Endosulfan I		0.002	U	0.002	U
Endosulfan II		0.004	U	0.004	U
Endosulfan sulfate		0.003	U	0.003	U
Methoxychlor	35	0.005	U	0.005	U
Toxaphene	0.06	0.045	U	0.045	U
cis-Chlordane		0.005	U	0.005	U
trans-Chlordane		0.004	U	0.004	U
Chlordane	0.05	0.033	U	0.033	U
Polychlorinated Biphenyls					
Aroclor 1016	0.09	0.034	U	0.034	U
Aroclor 1221	0.09	0.067	U	0.067	U
Aroclor 1232	0.09	0.046	U	0.046	U
Aroclor 1242	0.09	0.039	U	0.039	U
Aroclor 1248	0.09	0.049	U	0.049	U
Aroclor 1254	0.09	0.039	U	0.039	U
Aroclor 1260	0.09	0.032	U	0.032	U
Aroclor 1262	0.09	0.035	U	0.035	U
Aroclor 1268	0.09	0.034	U	0.034	U
PCBs, Total		0.032	U	0.032	U

Notes:

NY-AWQS: New York TOGS 111 Ambient Water Quality Standards criteria reflects all addendum to criteria through June 2004.

MDL = Maximum Detection Limit

Conc = Concentration

Q = Laboratory Data Qualifier

- = Not Analyzed

Cells highlighted in yellow indicate concentrations above NY-AWQS

Cells shaded in grey indicate MDL values above NY-AWQS

For U qualified entries, the MDL is shown

U = not detected at or above the MDL

For J qualified entries, the estimated concentration is shown

J = estimated value, indicating the detected value is below the RL, but above the MDL

-- = No standard

**Table 8 - Total and Dissolved Metals in Groundwater
2135 Westchester Avenue - Bronx, NY**

SAMPLE ID:	NY-AWQS	MW-1B		MW-1	
LAB ID:		L1826668-07		L1826668-08	
COLLECTION DATE:		7/12/2018		7/12/2018	
Dissolved Metals Units: ug/l		Conc	Q	Conc	Q
Aluminum, Dissolved		3.27	U	3.27	U
Antimony, Dissolved	3	2.56	J	0.42	U
Arsenic, Dissolved	25	0.16	U	0.16	U
Barium, Dissolved	1000	54.16		90.48	
Beryllium, Dissolved	3	0.1	U	0.1	U
Cadmium, Dissolved	5	0.05	U	0.05	U
Calcium, Dissolved		53500		116000	
Chromium, Dissolved	50	0.17	U	0.17	U
Cobalt, Dissolved		0.2	J	5.38	
Copper, Dissolved	200	0.38	U	0.38	U
Iron, Dissolved	300	19.1	U	1530	
Lead, Dissolved	25	0.34	U	0.34	U
Magnesium, Dissolved	35000	23300		69700	
Manganese, Dissolved	300	750.1		1718	
Mercury, Dissolved	0.7	0.06	U	0.06	U
Nickel, Dissolved	100	0.78	J	13.88	
Potassium, Dissolved		17600		10400	
Selenium, Dissolved	10	1.73	U	2.37	J
Silver, Dissolved	50	0.16	U	0.16	U
Sodium, Dissolved	20000	33100		65100	
Thallium, Dissolved	0.5	0.14	U	0.14	U
Vanadium, Dissolved		1.57	U	1.57	U
Zinc, Dissolved	2000	830.2		3.41	U
Total Metals					
Aluminum, Total		165		208	
Antimony, Total	3	5.26		0.46	J
Arsenic, Total	25	0.16	U	0.16	U
Barium, Total	1000	69.77		99.22	
Beryllium, Total	3	0.1	U	0.1	U
Cadmium, Total	5	0.07	J	0.05	U
Calcium, Total		71400		110000	
Chromium, Total	50	0.17	U	0.17	U
Cobalt, Total		1.11		5.74	
Copper, Total	200	4.42		0.7	J
Iron, Total	300	608		9650	
Lead, Total	25	0.45	J	0.34	U
Magnesium, Total	35000	28500		72400	
Manganese, Total	300	2373		1686	
Mercury, Total	0.7	0.06	U	0.06	U
Nickel, Total	100	4.85		13.54	
Potassium, Total		12200		10100	
Selenium, Total	10	1.73	U	2.28	J
Silver, Total	50	0.38	J	0.16	U
Sodium, Total	20000	34200		76400	
Thallium, Total	0.5	0.14	U	0.14	U
Vanadium, Total		1.57	U	1.57	U
Zinc, Total	2000	5352		11.5	

Notes:

NY-AWQS: New York TOGS 111 Ambient Water Quality Standards criteria reflects all addendum to criteria through June 2004.

MDL = Maximum Detection Limit

Conc = Concentration

Q = Laboratory Data Qualifier

- = Not Analyzed

Cells highlighted in yellow indicate concentrations above NY-AWQS

Cells shaded in grey indicate MDL values above NY-AWQS

For U qualified entries, the MDL is shown

U = not detected at or above the MDL

For J qualified entries, the estimated concentration is shown

J = estimated value, indicating the detected value is below the RL, but above the MDL

-- = No standard

Table 9 – On-Site Exterior Soil Vapor and Ambient Air Results
2135 Westchester Avenue - Bronx, NY

SAMPLE ID:	AMBIENT		SV-1		SV-2		SV-4		SV-3		SV-5		SV-6		SV-7	
LAB ID:	L1826620-10		L1826620-01		L1826620-02		L1826620-03		L1826620-04		L1826620-05		L1826620-06		L1826620-07	
COLLECTION DATE:	7/12/2018		7/12/2018		7/12/2018		7/12/2018		7/12/2018		7/12/2018		7/12/2018		7/12/2018	
Volatile Organic Compounds in Air Units: ug/m3	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q
Dichlorodifluoromethane	1.98		2.05		4.94	U	4.94	U	4.94	U	4.94	U	9.89	U	4.94	U
Chloromethane	0.869		3.61		2.07	U	2.07	U	11.7		2.91		19		2.11	
Freon-114	1.4	U	2.8	U	6.99	U	6.99	U	6.99	U	6.99	U	14	U	6.99	U
Vinyl chloride	0.051	U	1.02	U	2.56	U	2.56	U	2.56	U	2.56	U	5.11	U	2.56	U
1,3-Butadiene	0.442	U	0.885	U	2.21	U	2.21	U	2.21	U	2.21	U	4.42	U	2.21	U
Bromomethane	0.777	U	1.55	U	3.88	U	3.88	U	3.88	U	3.88	U	7.77	U	3.88	U
Chloroethane	0.528	U	1.06	U	2.64	U	2.64	U	2.64	U	2.64	U	5.28	U	2.64	U
Ethanol	10.5		313		439		65.6		569		300		258		251	
Vinyl bromide	0.874	U	1.75	U	4.37	U	4.37	U	4.37	U	4.37	U	8.74	U	4.37	U
Acetone	9.05		784		347		238		1230		791		3820		1380	
Trichlorofluoromethane	1.13		2.25	U	5.62	U	5.62	U	5.62	U	5.62	U	11.2	U	5.62	U
Isopropanol	1.79		14.9		7.57		6.15	U	22.4		7.69		20.8		8.01	
1,1-Dichloroethene	0.079	U	1.59	U	3.96	U	3.96	U	3.96	U	3.96	U	7.93	U	3.96	U
Tertiary butyl Alcohol	1.52	U	98.2		40		24.7		91.9		52.7		55.8		25.1	
Methylene chloride	1.74	U	3.47	U	8.69	U	8.69	U	8.69	U	8.69	U	17.4	U	8.69	U
3-Chloropropene	0.626	U	1.25	U	3.13	U	3.13	U	3.13	U	3.13	U	6.26	U	3.13	U
Carbon disulfide	0.623	U	11.6		4.73		3.11	U	9.09		138		383		92.8	
Freon-113	1.53	U	3.07	U	7.66	U	7.66	U	7.66	U	7.66	U	15.3	U	7.66	U
trans-1,2-Dichloroethene	0.793	U	1.59	U	3.96	U	3.96	U	3.96	U	3.96	U	7.93	U	3.96	U
1,1-Dichloroethane	0.809	U	1.62	U	4.05	U	4.05	U	4.05	U	4.05	U	8.09	U	4.05	U
Methyl tert butyl ether	0.721	U	1.44	U	3.61	U	3.61	U	3.61	U	3.61	U	7.21	U	3.61	U
2-Butanone	1.47	U	102		202		137		106		87.9		137		73.1	
cis-1,2-Dichloroethene	0.079	U	1.59	U	3.96	U	3.96	U	3.96	U	3.96	U	7.93	U	3.96	U
Ethyl Acetate	1.8	U	3.6	U	9.01	U	9.01	U	9.01	U	9.01	U	18	U	9.01	U
Chloroform	0.977	U	1.95	U	4.88	U	4.88	U	8.4		34.7		9.77	U	80.6	
Tetrahydrofuran	1.47	U	2.95	U	7.37	U	7.37	U	7.37	U	7.37	U	14.7	U	7.37	U
1,2-Dichloroethane	0.809	U	1.62	U	4.05	U	4.05	U	4.05	U	4.05	U	8.09	U	4.05	U
n-Hexane	0.705	U	2.29		3.52	U	3.52	U	3.52	U	3.52	U	53.2		3.52	U
1,1,1-Trichloroethane	0.109	U	2.18	U	5.46	U	5.46	U	5.46	U	5.46	U	10.9	U	5.46	U
Benzene	0.639	U	16.1		9.71		6.49		8.95		51.8		14.6		7.28	
Carbon tetrachloride	0.465		2.52	U	6.29	U	6.29	U	6.29	U	6.29	U	12.6	U	6.29	U
Cyclohexane	0.688	U	1.38	U	3.44	U	3.44	U	3.44	U	3.44	U	24.9		6.13	
1,2-Dichloropropane	0.924	U	1.85	U	4.62	U	4.62	U	4.62	U	4.62	U	9.24	U	4.62	U
Bromodichloromethane	1.34	U	2.68	U	6.7	U	6.7	U	6.7	U	6.7	U	13.4	U	6.7	U
1,4-Dioxane	0.721	U	1.44	U	3.6	U	3.6	U	3.6	U	3.6	U	7.21	U	3.6	U
Trichloroethene	3.42		3.04		5.37		5.37		5.37		5.37		10.7		5.37	
2,2,4-Trimethylpentane	0.934	U	1.87	U	4.67	U	4.67	U	5.18		35.3		10.2			
Heptane	0.82	U	2.52		4.1	U	4.1	U	4.1	U	4.34		15.8		4.1	U
cis-1,3-Dichloropropene	0.908	U	1.82	U	4.54	U	4.54	U	4.54	U	4.54	U	9.08	U	4.54	U
4-Methyl-2-pentanone	2.05	U	4.18		10.2	U	10.2	U	10.2	U	10.2	U	20.5	U	10.2	U
trans-1,3-Dichloropropene	0.908	U	1.82	U	4.54	U	4.54	U	4.54	U	4.54	U	9.08	U	4.54	U
1,1,2-Trichloroethane	1.09	U	2.18	U	5.46	U	5.46	U	5.46	U	5.46	U	10.9	U	5.46	U
Toluene	0.829		4.71		4.07		3.77	U	4.86		7.54	U	4.67			
2-Hexanone	0.82	U	19.1		12.9		12		16.3		13.2		20.4		11.6	
Dibromochloromethane	1.7	U	3.41	U	8.52	U	8.52	U	8.52	U	8.52	U	17	U	8.52	U
1,2-Dibromoethane	1.54	U	3.07	U	7.69	U	7.69	U	7.69	U	7.69	U	15.4	U	7.69	U
Tetrachloroethene	0.251		2.71	U	6.78	U	6.78	U	11.4		21.4		13.6	U	33.6	
Chlorobenzene	0.921	U	1.84	U	4.61	U	4.61	U	4.61	U	4.61	U	9.21	U	4.61	U
Ethylbenzene	0.869	U	1.74	U	4.34	U	4.34	U	4.34	U	4.34	U	8.69	U	4.34	U
p/m-Xylene	1.74	U	3.47	U	8.69	U	8.69	U	8.69	U	8.69	U	17.4	U	8.69	U
Bromoform	2.07	U	4.14	U	10.3	U	10.3	U	10.3	U	10.3	U	20.7	U	10.3	U
Styrene	0.852	U	1.7	U	4.26	U	4.26	U	4.26	U	4.26	U	8.52	U	4.26	U
1,1,2,2-Tetrachloroethane	1.37	U	2.75	U	6.87	U	6.87	U	6.87	U	6.87	U	13.7	U	6.87	U
o-Xylene	0.869	U	1.74	U	4.34	U	4.34	U	4.34	U	4.34	U	8.69	U	4.34	U
4-Ethyltoluene	0.983	U	1.97	U	4.92	U	4.92	U	4.92	U	4.92	U	9.83	U	4.92	U
1,3,5-Trimethylbenzene	0.983	U	1.97	U	4.92	U	4.92	U	4.92	U	4.92	U	9.83	U	4.92	U
1,2,4-Trimethylbenzene	0.983	U	1.97	U	4.92	U	4.92	U	4.92	U	4.92	U	9.83	U	4.92	U
Benzyl chloride	1.04	U	2.07	U	5.18	U	5.18	U	5.18	U	5.18	U	10.4	U	5.18	U
1,3-Dichlorobenzene	1.2	U	2.4	U	6.01	U	6.01	U	6.01	U	6.01	U	12	U	6.01	U
1,4-Dichlorobenzene	1.2	U	2.4	U	6.01	U	6.01	U	6.01	U	6.01	U	12	U	6.01	U
1,2-Dichlorobenzene	1.2	U	2.4	U	6.01	U	6.01	U	6.01	U	6.01	U	12	U	6.01	U
1,2,4-Trichlorobenzene	1.48	U	2.97	U	7.42	U	7.42	U	7.42	U	7.42	U	14.8	U	7.42	U
Hexachlorobutadiene	2.13	U	4.27	U	10.7	U	10.7	U	10.7	U	10.7	U	21.3	U	10.7	U

Notes:
Cells highlighted in yellow indicate concentrations above the Ambient Air Concentration
Q = Laboratory Data Qualifier
For U qualified entries, the RL is shown
RL = Reporting Limit
Results and RL values are in micrograms per cubic meter (ug/m3)

Table 9a – On-Site Interior Soil Vapor, Co-located Indoor Air and Ambient Air Results
2135 Westchester Avenue - Bronx, NY

SAMPLE ID:	NYSDOH Air Guidance Value	Matrix	2135W-SS1		2135W-1A		AA03282018-8HR		Action
LAB ID:			L1811084-01		L1811084-02		L1811084-03		
COLLECTION DATE:			3/28/2018		3/28/2018		3/28/2018		
Volatile Organic Compounds Units: ug/m3			Conc	Q	Conc	Q	Conc	Q	
Dichlorodifluoromethane	--	--	1.94		2.02		2.17		
Chloromethane	--	--	0.867		3.76		1.07		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	--	--	1.4	U	1.4	U	1.4	U	
Vinyl chloride	--	C	0.511	U	0.051	U	0.051	U	No further action
1,3-Butadiene	--	--	0.442	U	0.442	U	2.02		
Bromomethane	--	--	0.777	U	0.777	U	0.777	U	
Chloroethane	--	--	0.528	U	0.528	U	0.528	U	
Ethyl Alcohol	--	--	158		610		21.9		
Vinyl bromide	--	--	0.874	U	0.874	U	0.874	U	
Acetone	--	--	51.3		20		8.17		
Trichlorofluoromethane	--	--	1.12	U	1.12	U	1.19		
iso-Propyl Alcohol	--	--	10.8		45.5		2.4		
1,1-Dichloroethene	--	A	0.793	U	0.079	U	0.079	U	
tert-Butyl Alcohol	--	--	2.73		1.52	U	1.52	U	
Methylene chloride	60	B	1.74	U	1.74	U	1.74	U	No further action
3-Chloropropene	--	--	0.626	U	0.626	U	0.626	U	
Carbon disulfide	--	--	0.623	U	0.623	U	0.623	U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	1.53	U	1.53	U	1.53	U	
trans-1,2-Dichloroethene	--	--	0.793	U	0.793	U	0.793	U	
1,1-Dichloroethane	--	--	0.809	U	0.809	U	0.809	U	
Methyl tert butyl ether	--	--	0.721	U	0.721	U	0.721	U	
2-Butanone	--	--	5.13		1.47	U	1.47	U	
cis-1,2-Dichloroethene	--	A	0.793	U	0.079	U	0.079	U	No further action
Ethyl Acetate	--	--	1.8	U	1.8	U	1.8	U	
Chloroform	--	--	18.2		17.2		0.977	U	
Tetrahydrofuran	--	--	1.47	U	1.47	U	1.47	U	
1,2-Dichloroethane	--	--	0.809	U	0.809	U	0.809	U	
n-Hexane	--	--	0.705	U	0.825		3.59		
1,1,1-Trichloroethane	--	B	1.09	U	0.109	U	0.109	U	No further action
Benzene	--	--	3.96		1.23		5.24		
Carbon tetrachloride	--	A	1.26	U	0.51		0.44		No further action
Cyclohexane	--	--	0.688	U	0.688	U	0.688	U	
1,2-Dichloropropane	--	--	0.924	U	0.924	U	0.924	U	
Bromodichloromethane	--	--	1.34	U	1.34	U	1.34	U	
1,4-Dioxane	--	--	0.721	U	0.721	U	0.721	U	
Trichloroethene	5	A	1.28		0.107	U	0.134		No further action
2,2,4-Trimethylpentane	--	--	0.934	U	0.934	U	1.76		
Heptane	--	--	1.13		0.82	U	1.57		
cis-1,3-Dichloropropene	--	--	0.908	U	0.908	U	0.908	U	
4-Methyl-2-pentanone	--	--	2.05	U	2.05	U	2.05	U	
trans-1,3-Dichloropropene	--	--	0.908	U	0.908	U	0.908	U	
1,1,2-Trichloroethane	--	--	1.09	U	1.09	U	1.09	U	
Toluene	--	--	3.54		2.74		12.1		
2-Hexanone	--	--	0.82	U	0.82	U	0.82	U	
Dibromochloromethane	--	--	1.7	U	1.7	U	1.7	U	
1,2-Dibromoethane	--	--	1.54	U	1.54	U	1.54	U	
Tetrachloroethene	30	B	43.3		1.5		0.841		No further action
Chlorobenzene	--	--	0.921	U	0.921	U	0.921	U	
Ethylbenzene	--	--	0.869	U	0.869	U	2.03		
p/m-Xylene	--	--	1.74	U	1.74	U	7.3		
Bromoform	--	--	2.07	U	2.07	U	2.07	U	
Styrene	--	--	4.3		0.852	U	0.852	U	
1,1,2,2-Tetrachloroethane	--	--	1.37	U	1.37	U	1.37	U	
o-Xylene	--	--	0.869	U	0.869	U	2.52		
4-Ethyltoluene	--	--	0.983	U	0.983	U	0.983	U	
1,3,5-Trimethylbenzene	--	--	0.983	U	0.983	U	0.983	U	
1,2,4-Trimethylbenzene	--	--	0.983	U	0.983	U	2.53		
Benzyl chloride	--	--	1.04	U	1.04	U	1.04	U	
1,3-Dichlorobenzene	--	--	1.2	U	1.2	U	1.2	U	
1,4-Dichlorobenzene	--	--	1.2	U	1.2	U	1.2	U	
1,2-Dichlorobenzene	--	--	1.2	U	1.2	U	1.2	U	
1,2,4-Trichlorobenzene	--	--	1.48	U	1.48	U	1.48	U	
Hexachlorobutadiene	--	--	2.13	U	2.13	U	2.13	U	

Notes:

NYSDOH AGV - New York State Department of Health Air Guidance Values

Matrix actions are described in the report narrative and the NYSDOH Soil Vapor Guidance, with May 2017 updates

Q = Laboratory Data Qualifier

For U qualified entries, the RL is shown

RL = Reporting Limit

Results and RL values are in micrograms per cubic meter (ug/m3)

Identify Source* - Identify Source(s) and Resample or Mitigate

Table 9a – On-Site Interior Soil Vapor, Co-located Indoor Air and Ambient Air Results
2135 Westchester Avenue - Bronx, NY

SAMPLE ID:	NYSDOH Air Guidance Value	Matrix	SS-2		IA-2		AMBIENT		Action
LAB ID:			L1826620-08		L1826620-09		L1826620-10		
COLLECTION DATE:			7/12/2018		7/12/2018		7/12/2018		
Volatile Organic Compounds in Air Units: ug/m3			Conc	Q	Conc	Q	Conc	Q	
Dichlorodifluoromethane	--	--	2.56		2.08		1.98		
Chloromethane	--	--	1.1		1.97		0.869		
Freon-114	--	--	1.4	U	1.4	U	1.4	U	
Vinyl chloride	--	C	0.511	U	0.128		0.051	U	No further action
1,3-Butadiene	--	--	0.442	U	0.442	U	0.442	U	
Bromomethane	--	--	0.777	U	0.777	U	0.777	U	
Chloroethane	--	--	0.528	U	0.528	U	0.528	U	
Ethanol	--	--	303		298		10.5		
Vinyl bromide	--	--	0.874	U	0.874	U	0.874	U	
Acetone	--	--	99.8		23.4		9.05		
Trichlorofluoromethane	--	--	1.82		1.16		1.13		
Isopropanol	--	--	32.9		11.6		1.79		
1,1-Dichloroethene	--	--	0.793	U	0.079	U	0.079	U	
Tertiary butyl Alcohol	--	--	2.92		1.52	U	1.52	U	
Methylene chloride	60	B	1.74	U	1.74	U	1.74	U	
3-Chloropropene	--	--	0.626	U	0.626	U	0.626	U	
Carbon disulfide	--	--	0.623	U	0.623	U	0.623	U	
Freon-113	--	--	1.53	U	1.53	U	1.53	U	
trans-1,2-Dichloroethene	--	--	0.793	U	0.793	U	0.793	U	
1,1-Dichloroethane	--	A	0.809	U	0.809	U	0.809	U	No further action
Methyl tert butyl ether	--	--	0.721	U	0.721	U	0.721	U	
2-Butanone	--	--	6.67		1.47	U	1.47	U	
cis-1,2-Dichloroethene	--	A	0.793	U	0.079	U	0.079	U	No further action
Ethyl Acetate	--	--	1.8	U	1.8	U	1.8	U	
Chloroform	--	--	28.9		14.6		0.977	U	
Tetrahydrofuran	--	--	1.47	U	1.47	U	1.47	U	
1,2-Dichloroethane	--	--	0.809	U	0.809	U	0.809	U	
n-Hexane	--	--	1.3		0.705	U	0.705	U	
1,1,1-Trichloroethane	--	B	29.5		0.109	U	0.109	U	No further action
Benzene	--	--	1.59		0.639	U	0.639	U	
Carbon tetrachloride	--	A	1.26	U	0.642		0.465		No further action
Cyclohexane	--	--	0.688	U	0.688	U	0.688	U	
1,2-Dichloropropane	--	--	0.924	U	0.924	U	0.924	U	
Bromodichloromethane	--	--	1.34	U	1.34	U	1.34	U	
1,4-Dioxane	--	--	0.721	U	0.721	U	0.721	U	
Trichloroethene	2	A	1.99		3.76		3.42		Identify Source*
2,2,4-Trimethylpentane	--	--	1.48		0.934	U	0.934	U	
Heptane	--	--	1.17		0.82	U	0.82	U	
cis-1,3-Dichloropropene	--	--	0.908	U	0.908	U	0.908	U	
4-Methyl-2-pentanone	--	--	2.1		2.05	U	2.05	U	
trans-1,3-Dichloropropene	--	--	0.908	U	0.908	U	0.908	U	
1,1,2-Trichloroethane	--	--	1.09	U	1.09	U	1.09	U	
Toluene	--	--	4.18		1.04		0.829		
2-Hexanone	--	--	0.82	U	0.82	U	0.82	U	
Dibromochloromethane	--	--	1.7	U	1.7	U	1.7	U	
1,2-Dibromoethane	--	--	1.54	U	1.54	U	1.54	U	
Tetrachloroethene	30	B	1.97		1.6		0.251		No further action
Chlorobenzene	--	--	0.921	U	0.921	U	0.921	U	
Ethylbenzene	--	--	0.869	U	0.869	U	0.869	U	
p/m-Xylene	--	--	2.13		1.74	U	1.74	U	
Bromoform	--	--	2.07	U	2.07	U	2.07	U	
Styrene	--	--	1.18		0.852	U	0.852	U	
1,1,2,2-Tetrachloroethane	--	--	1.37	U	1.37	U	1.37	U	
o-Xylene	--	--	0.869	U	0.869	U	0.869	U	
4-Ethyltoluene	--	--	0.983	U	0.983	U	0.983	U	
1,3,5-Trimethylbenzene	--	--	0.983	U	0.983	U	0.983	U	
1,2,4-Trimethylbenzene	--	--	0.983	U	0.983	U	0.983	U	
Benzyl chloride	--	--	1.04	U	1.04	U	1.04	U	
1,3-Dichlorobenzene	--	--	1.2	U	1.2	U	1.2	U	
1,4-Dichlorobenzene	--	--	1.2	U	1.2	U	1.2	U	
1,2-Dichlorobenzene	--	--	1.2	U	1.2	U	1.2	U	
1,2,4-Trichlorobenzene	--	--	1.48	U	1.48	U	1.48	U	
Hexachlorobutadiene	--	--	2.13	U	2.13	U	2.13	U	

Notes:

NYSDOH AGV - New York State Department of Health Air Guidance Values

Matrix actions are described in the report narrative and the NYSDOH Soil Vapor Guidance, with May 2017 updates

Q = Laboratory Data Qualifier

For U qualified entries, the RL is shown

RL = Reporting Limit

Results and RL values are in micrograms per cubic meter (ug/m3)

Identify Source* - Identify Source(s) and Resample or Mitigate

Table 9b – Off-Site Interior Soil Vapor, Co-located Indoor Air and Ambient Air Results (1310P)
2135 Westchester Avenue - Bronx, NY

SAMPLE ID:	NYSDOH Air Guidance Value	Matrix	1310P-SS1		1310P-1A		AA03282018-24HRAM		Action
LAB ID:			L1811084-04		L1811084-05		L1811084-08		
COLLECTION DATE:			3/29/2018		3/29/2018		3/29/2018		
Volatile Organic Compounds Units: ug/m3			Conc	Q	Conc	Q	Conc	Q	
Dichlorodifluoromethane	--	--	1.98		3.54	U	2.05		
Chloromethane	--	--	0.828		1.48	U	0.991		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	--	--	1.4	U	5	U	1.4	U	
Vinyl chloride	--	C	0.511	U	0.183	U	0.051	U	No further action
1,3-Butadiene	--	--	0.442	U	1.58	U	0.442	U	
Bromomethane	--	--	0.777	U	2.78	U	0.777	U	
Chloroethane	--	--	0.528	U	1.89	U	0.528	U	
Ethyl Alcohol	--	--	203		38.1		18		
Vinyl bromide	--	--	0.874	U	3.13	U	0.874	U	
Acetone	--	--	52		9.31		43		
Trichlorofluoromethane	--	--	1.2		4.02	U	1.12	U	
iso-Propyl Alcohol	--	--	40.1		7.25		5.65		
1,1-Dichloroethene	--	A	0.793	U	0.284	U	0.079	U	No further action
tert-Butyl Alcohol	--	--	2.35		5.43	U	1.52	U	
Methylene chloride	60	B	1.74	U	6.22	U	2.33		No further action
3-Chloropropene	--	--	0.626	U	2.24	U	0.626	U	
Carbon disulfide	--	--	0.623	U	2.23	U	0.623	U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	1.53	U	5.49	U	1.53	U	
trans-1,2-Dichloroethene	--	--	0.793	U	2.84	U	0.793	U	
1,1-Dichloroethane	--	--	0.809	U	2.9	U	0.809	U	
Methyl tert butyl ether	--	--	0.721	U	2.58	U	0.721	U	
2-Butanone	--	--	2.91		5.28	U	1.47	U	
cis-1,2-Dichloroethene	--	A	0.793	U	0.284	U	0.079	U	No further action
Ethyl Acetate	--	--	1.88		6.45	U	1.8	U	
Chloroform	--	--	0.996		3.5	U	0.977	U	
Tetrahydrofuran	--	--	1.47	U	5.28	U	1.47	U	
1,2-Dichloroethane	--	--	0.809	U	2.9	U	0.809	U	
n-Hexane	--	--	0.916		2.52	U	0.722		
1,1,1-Trichloroethane	--	B	1.18		0.391	U	0.109	U	No further action
Benzene	--	--	1.72		2.29	U	1.13		
Carbon tetrachloride	--	A	1.26	U	0.45	U	0.421		No further action
Cyclohexane	--	--	0.688	U	2.46	U	0.688	U	
1,2-Dichloropropane	--	--	0.924	U	3.31	U	0.924	U	
Bromodichloromethane	--	--	1.34	U	4.8	U	1.34	U	
1,4-Dioxane	--	--	0.721	U	2.58	U	0.721	U	
Trichloroethene	5	A	1.07	U	0.385	U	0.113		No further action
2,2,4-Trimethylpentane	--	--	0.934	U	3.34	U	0.934	U	
Heptane	--	--	0.82	U	2.93	U	0.82	U	
cis-1,3-Dichloropropene	--	--	0.908	U	3.25	U	0.908	U	
4-Methyl-2-pentanone	--	--	2.05	U	7.34	U	2.05	U	
trans-1,3-Dichloropropene	--	--	0.908	U	3.25	U	0.908	U	
1,1,2-Trichloroethane	--	--	1.09	U	3.91	U	1.09	U	
Toluene	--	--	4.15		3.26		2.54		
2-Hexanone	--	--	0.82	U	2.93	U	0.82	U	
Dibromochloromethane	--	--	1.7	U	6.1	U	1.7	U	
1,2-Dibromoethane	--	--	1.54	U	5.5	U	1.54	U	
Tetrachloroethene	30	B	1.36	U	0.848		0.698		No further action
Chlorobenzene	--	--	0.921	U	3.3	U	0.921	U	
Ethylbenzene	--	--	0.943		3.11	U	0.869	U	
p/m-Xylene	--	--	3.18		6.21	U	1.74	U	
Bromoform	--	--	2.07	U	7.4	U	2.07	U	
Styrene	--	--	7.24		3.05	U	0.852	U	
1,1,2,2-Tetrachloroethane	--	--	1.37	U	4.92	U	1.37	U	
o-Xylene	--	--	1.55		3.11	U	0.869	U	
4-Ethyltoluene	--	--	0.983	U	3.52	U	0.983	U	
1,3,5-Trimethylbenzene	--	--	1.49		3.52	U	0.983	U	
1,2,4-Trimethylbenzene	--	--	3.03		3.52	U	0.983	U	
Benzyl chloride	--	--	1.04	U	3.71	U	1.04	U	
1,3-Dichlorobenzene	--	--	1.2	U	4.3	U	1.2	U	
1,4-Dichlorobenzene	--	--	1.2	U	4.3	U	1.2	U	
1,2-Dichlorobenzene	--	--	1.2	U	4.3	U	1.2	U	
1,2,4-Trichlorobenzene	--	--	1.48	U	5.32	U	1.48	U	
Hexachlorobutadiene	--	--	2.13	U	7.64	U	2.13	U	

Notes:

NYSDOH AGV - New York State Department of Health Air Guidance Values

Matrix actions are described in the report narrative and the NYSDOH Soil Vapor Guidance, with May 2017 updates

Q = Laboratory Data Qualifier

For U qualified entries, the RL is shown

RL = Reporting Limit

Results and RL values are in micrograms per cubic meter (ug/m3)

Table 9c – Off-Site Interior Soil Vapor, Co-located Indoor Air and Ambient Air Results (2151W)
2135 Westchester Avenue - Bronx, NY

SAMPLE ID:	NYSDOH Air Guidance Value	Matrix	2151W-SS1		2151W-1A		AA03282018-24HRAM		Action
LAB ID:			L1811084-06		L1811084-07		L1811084-08		
COLLECTION DATE:			3/29/2018		3/29/2018		3/29/2018		
Volatile Organic Compounds Units: ug/m3			Conc	Q	Conc	Q	Conc	Q	
Dichlorodifluoromethane	--	--	4.94	U	2.11		2.05		
Chloromethane	--	--	2.07	U	0.981		0.991		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	--	--	6.99	U	1.4	U	1.4	U	
Vinyl chloride	--	C	2.56	U	0.051	U	0.051	U	No further action
1,3-Butadiene	--	--	2.21	U	0.442	U	0.442	U	
Bromomethane	--	--	3.88	U	0.777	U	0.777	U	
Chloroethane	--	--	2.64	U	0.528	U	0.528	U	
Ethyl Alcohol	--	--	183		145		18		
Vinyl bromide	--	--	4.37	U	0.874	U	0.874	U	
Acetone	--	--	2850		6790	E	43		
Trichlorofluoromethane	--	--	5.62	U	1.16		1.12	U	
iso-Propyl Alcohol	--	--	141		479		5.65		
1,1-Dichloroethene	--	A	3.96	U	0.079	U	0.079	U	No further action
tert-Butyl Alcohol	--	--	7.58	U	1.52	U	1.52	U	
Methylene chloride	60	B	8.69	U	1.74	U	2.33		No further action
3-Chloropropene	--	--	3.13	U	0.626	U	0.626	U	
Carbon disulfide	--	--	3.11	U	0.623	U	0.623	U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	7.66	U	1.53	U	1.53	U	
trans-1,2-Dichloroethene	--	--	3.96	U	0.793	U	0.793	U	
1,1-Dichloroethane	--	--	4.05	U	0.809	U	0.809	U	
Methyl tert butyl ether	--	--	3.61	U	0.721	U	0.721	U	
2-Butanone	--	--	10.8		4.42		1.47	U	
cis-1,2-Dichloroethene	--	A	3.96	U	0.079	U	0.079	U	No further action
Ethyl Acetate	--	--	43.6		115		1.8	U	
Chloroform	--	--	6.74		1.86		0.977	U	
Tetrahydrofuran	--	--	7.37	U	1.47	U	1.47	U	
1,2-Dichloroethane	--	--	4.05	U	0.809	U	0.809	U	
n-Hexane	--	--	3.52	U	1.18		0.722		
1,1,1-Trichloroethane	--	B	5.46	U	0.109	U	0.109	U	No further action
Benzene	--	--	3.19	U	1.88		1.13		
Carbon tetrachloride	--	A	6.29	U	0.598		0.421		No further action
Cyclohexane	--	--	3.44	U	0.688	U	0.688	U	
1,2-Dichloropropane	--	--	4.62	U	0.924	U	0.924	U	
Bromodichloromethane	--	--	6.7	U	1.34	U	1.34	U	
1,4-Dioxane	--	--	3.6	U	0.721	U	0.721	U	
Trichloroethene	5	A	5.37	U	0.107	U	0.113		No further action
2,2,4-Trimethylpentane	--	--	4.67	U	0.934	U	0.934	U	
Heptane	--	--	4.1	U	1.64		0.82	U	
cis-1,3-Dichloropropene	--	--	4.54	U	0.908	U	0.908	U	
4-Methyl-2-pentanone	--	--	10.2	U	2.05	U	2.05	U	
trans-1,3-Dichloropropene	--	--	4.54	U	0.908	U	0.908	U	
1,1,2-Trichloroethane	--	--	5.46	U	1.09	U	1.09	U	
Toluene	--	--	5.8		7.2		2.54		
2-Hexanone	--	--	4.1	U	0.82	U	0.82	U	
Dibromochloromethane	--	--	8.52	U	1.7	U	1.7	U	
1,2-Dibromoethane	--	--	7.69	U	1.54	U	1.54	U	
Tetrachloroethene	30	B	6.78	U	1.42		0.698		No further action
Chlorobenzene	--	--	4.61	U	0.921	U	0.921	U	
Ethylbenzene	--	--	4.34	U	1.1		0.869	U	
p/m-Xylene	--	--	8.69	U	4.04		1.74	U	
Bromoform	--	--	10.3	U	2.07	U	2.07	U	
Styrene	--	--	4.26	U	0.852	U	0.852	U	
1,1,2,2-Tetrachloroethane	--	--	6.87	U	1.37	U	1.37	U	
o-Xylene	--	--	4.34	U	1.38		0.869	U	
4-Ethyltoluene	--	--	4.92	U	0.983	U	0.983	U	
1,3,5-Trimethylbenzene	--	--	4.92	U	1.14		0.983	U	
1,2,4-Trimethylbenzene	--	--	4.92	U	3.22		0.983	U	
Benzyl chloride	--	--	5.18	U	1.04	U	1.04	U	
1,3-Dichlorobenzene	--	--	6.01	U	1.2	U	1.2	U	
1,4-Dichlorobenzene	--	--	6.01	U	1.2	U	1.2	U	
1,2-Dichlorobenzene	--	--	6.01	U	1.2	U	1.2	U	
1,2,4-Trichlorobenzene	--	--	7.42	U	1.48	U	1.48	U	
Hexachlorobutadiene	--	--	10.7	U	2.13	U	2.13	U	

Notes:

NYSDOH AGV - New York State Department of Health Air Guidance Values

Matrix actions are described in the report narrative and the NYSDOH Soil Vapor Guidance, with May 2017 updates

Q = Laboratory Data Qualifier

For U qualified entries, the RL is shown

RL = Reporting Limit

Results and RL values are in micrograms per cubic meter (ug/m3)

Table 9d – On-Site Interior Soil Vapor, Co-located Indoor Air and Ambient Air Results (1311P)
2135 Westchester Avenue - Bronx, NY

SAMPLE ID:	NYSDOH Air Guidance Value	Matrix	1311P-SS1		1311P-1A		AA03282018-24HRPM		Action
LAB ID:			L1811084-09		L1811084-10		L1811084-11		
COLLECTION DATE:			3/29/2018		3/29/2018		3/29/2018		
Volatile Organic Compounds Units: ug/m3			Conc	Q	Conc	Q	Conc	Q	
Dichlorodifluoromethane	--	--	2.04		2.04		2.13		
Chloromethane	--	--	1.09		1.03		1.02		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	--	--	1.4	U	1.4	U	1.4	U	
Vinyl chloride	--	C	0.511	U	0.051	U	0.051	U	No further action
1,3-Butadiene	--	--	0.442	U	0.442	U	0.442	U	
Bromomethane	--	--	0.777	U	0.777	U	0.777	U	
Chloroethane	--	--	0.528	U	0.528	U	0.528	U	
Ethyl Alcohol	--	--	73.7		36.2		21.9		
Vinyl bromide	--	--	0.874	U	0.874	U	0.874	U	
Acetone	--	--	26.4		22.4		10.5		
Trichlorofluoromethane	--	--	1.13		1.15		1.23		
iso-Propyl Alcohol	--	--	6.81		4.69		3.54		
1,1-Dichloroethene	--	A	0.793	U	0.079	U	0.079	U	No further action
tert-Butyl Alcohol	--	--	1.52	U	1.52	U	1.52	U	
Methylene chloride	60	B	1.74	U	4.76		1.74	U	No further action
3-Chloropropene	--	--	0.626	U	0.626	U	0.626	U	
Carbon disulfide	--	--	0.623	U	0.623	U	0.623	U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	1.53	U	1.53	U	1.53	U	
trans-1,2-Dichloroethene	--	--	0.793	U	0.793	U	0.793	U	
1,1-Dichloroethane	--	--	0.809	U	0.809	U	0.809	U	
Methyl tert butyl ether	--	--	0.721	U	0.721	U	0.721	U	
2-Butanone	--	--	2.33		1.47	U	4.54		
cis-1,2-Dichloroethene	--	A	4.16		0.444		0.226		No further action
Ethyl Acetate	--	--	1.82		1.8	U	1.8	U	
Chloroform	--	--	7.42		1.46		0.977	U	
Tetrahydrofuran	--	--	1.47	U	1.47	U	1.47	U	
1,2-Dichloroethane	--	--	0.809	U	0.809	U	0.967		
n-Hexane	--	--	3.36		2.13		1.07		
1,1,1-Trichloroethane	--	B	1.09	U	0.109	U	0.109	U	No further action
Benzene	--	--	3.35		2.01		1.42		
Carbon tetrachloride	--	A	1.26	U	0.453		0.434		No further action
Cyclohexane	--	--	1.17		0.688	U	0.688	U	
1,2-Dichloropropane	--	--	0.924	U	0.924	U	0.924	U	
Bromodichloromethane	--	--	1.34	U	1.34	U	1.34	U	
1,4-Dioxane	--	--	0.721	U	0.721	U	0.721	U	
Trichloroethene	5	A	2.01		0.425		0.231		No further action
2,2,4-Trimethylpentane	--	--	4.9		3.4		0.934	U	
Heptane	--	--	6.76		1.23		0.82	U	
cis-1,3-Dichloropropene	--	--	0.908	U	0.908	U	0.908	U	
4-Methyl-2-pentanone	--	--	2.05	U	2.05	U	2.05	U	
trans-1,3-Dichloropropene	--	--	0.908	U	0.908	U	0.908	U	
1,1,2-Trichloroethane	--	--	1.09	U	1.09	U	1.09	U	
Toluene	--	--	9.12		6.97		3.53		
2-Hexanone	--	--	0.82	U	0.82	U	0.82	U	
Dibromochloromethane	--	--	1.7	U	1.7	U	1.7	U	
1,2-Dibromoethane	--	--	1.54	U	1.54	U	1.54	U	
Tetrachloroethene	30	B	15.6		5.36		3.24		No further action
Chlorobenzene	--	--	0.921	U	0.921	U	0.921	U	
Ethylbenzene	--	--	0.982		0.869	U	0.869	U	
p/m-Xylene	--	--	2.84		2.6		1.74	U	
Bromoform	--	--	2.07	U	2.07	U	2.07	U	
Styrene	--	--	4.43		0.852	U	0.852	U	
1,1,2,2-Tetrachloroethane	--	--	ND		1.37	U	1.37	U	
o-Xylene	--	--	1.06		0.908		0.869	U	
4-Ethyltoluene	--	--	0.983	U	0.983	U	0.983	U	
1,3,5-Trimethylbenzene	--	--	0.983	U	0.983	U	0.983	U	
1,2,4-Trimethylbenzene	--	--	0.983	U	0.983	U	0.983	U	
Benzyl chloride	--	--	1.04	U	1.04	U	1.04	U	
1,3-Dichlorobenzene	--	--	1.2	U	1.2	U	1.2	U	
1,4-Dichlorobenzene	--	--	1.2	U	8.24		2.45		
1,2-Dichlorobenzene	--	--	1.2	U	1.2	U	1.2	U	
1,2,4-Trichlorobenzene	--	--	1.48	U	1.48	U	1.48	U	
Hexachlorobutadiene	--	--	2.13	U	2.13	U	2.13	U	

Notes:

NYSDOH AGV - New York State Department of Health Air Guidance Values

Matrix actions are described in the report narrative and the NYSDOH Soil Vapor Guidance, with May 2017 updates

Q = Laboratory Data Qualifier

For U qualified entries, the RL is shown

RL = Reporting Limit

Results and RL values are in micrograms per cubic meter (ug/m3)

Appendix A
Laboratory Data Packages
Data Usability Summary Reports

**DATA USABILITY SUMMARY REPORT – DUSR
DATA VALIDATION SUMMARY**

**ORGANIC/INORGANIC ANALYSES
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SEMIVOLATILES BY GC/MS
1,4-DIOXANE BY SIM GC/MS
ISOTOPE DILUTION ORGANIC ANALYSIS
FLUORINATED ALKYL SUBSTANCES (21 ANALYTES)
BY LIQUID CHROMATOGRAPHY/TANDEM MASS SPECTROMETRY (LC/MS/MS)
BY MODIFIED EPA METHOD 537
PESTICIDES/PCBs/HERBICIDES BY GC
TOTAL AND DISSOLVED METALS BY ICPMS/CV
CYANIDE AND HEXAVALENT CHROMIUM
BY CLASSICAL WET CHEMISTRY TECHNIQUES**

**For Groundwater Samples Collected
July 12, 2018
From 2135 Westchester Avenue, Bronx, NY
Collected by Tenen Environmental**

**SAMPLE DELIVERY GROUP NUMBER:
L1826668**

BY ALPHA ANALYTICAL (ELAP #11148)

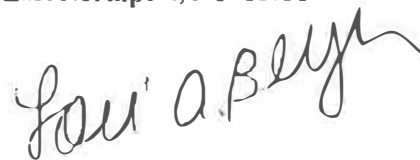
SUBMITTED TO:

**Ms. Claire Zaccheo
Tenen Environmental
121 West 27th Street, Suite 702
New York, NY 10001**

September 15, 2018

PREPARED BY:

**Lori A. Beyer/President
L.A.B. Validation Corp.
14 West Point Drive
East Northport, NY 11731**



2135 Westchester Avenue, Bronx, New York – Data Usability Summary Report (Data Validation):
July 2018 Groundwater Sampling Event; - Volatiles, Semivolatiles, 1,4-Dioxane, PFCs, Pesticides,
PCBs, Herbicides, Total and Dissolved Metals, Cyanide and Hexavalent Chromium.

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- C. Data Summary Form Is with Qualifications

Introduction:

A validation was performed on groundwater samples and the associated quality control (MS/MSD/Field Duplicate/Field Blank/Trip Blank) for organic/inorganic analysis for samples collected under chain of custody documentation by Tenen Environmental and submitted to Alpha Analytical for subsequent analysis. This report contains the laboratory and validation results for the field samples itemized below with corresponding required analysis. The table below lists all required/analyzed parameters for each sample location.

The samples were analyzed by Alpha Analytical, utilizing SW846 and EPA Methods and submitted under NYSDEC ASP Category B equivalent deliverable requirements for the associated analytical methodologies employed. The analytical testing and data review for groundwater samples consisted of the full compound analyte lists for Volatile Organics, Semivolatile Organics, 1,4-Dioxane, 21 PFC's, Pesticides, PCBs, Herbicides, Total and Dissolved TAL (23) Metals, Total Cyanide and Hexavalent Chromium. The data was evaluated in accordance with EPA Region II National Functional Guidelines for Organic and Inorganic Data Review and EPA Region II SOPs for 8260, 8270, 8081, 8082, 7196 and Inorganics (Metals) and in conjunction with the analytical methodologies for which the samples were analyzed, where applicable and relevant.

Sample ID	Lab ID	Analysis	Date Collected/Received
MW-3S	L1826668-01	VOA/21 PFC's	07/12/2018
MW-2	L1826668-02	VOA, 1,4-Dioxane, 21 PFC's	07/12/2018
MW-4B	L1826668-03	VOA, 1,4-Dioxane, 21 PFC's	07/12/2018
MW-4B DUP	L1826668-04	VOA, 1,4-Dioxane, 21 PFC's	07/12/2018
MW-4S	L1826668-05	VOA, 1,4-Dioxane, 21 PFC's	07/12/2018
Field Blank	L1826668-06	21 PFC's	07/12/2018
MW-1B (Plus, MS/MSD)	L1826668-07	VOA/SVOA/1,4-Dioxane, 21 PFC's, Pesticides/PCBs/Herbicides/Total and Dissolved TAL Metals/Cyanide and Hexavalent Chromium	07/12/2018
MW-1	L1826668-08	VOA/SVOA/1,4-Dioxane, 21 PFC's, Pesticides/PCBs/Herbicides/Total and Dissolved TAL Metals/Cyanide and Hexavalent Chromium	07/12/2018
Trip Blank	L1826668-09	VOA	07/12/2018

Data Qualifier Definitions:

The following definitions provide brief explanations of the qualifiers assigned to results in the data review process.

U - The analyte was analyzed for but was not detected above the reported sample quantitation limit.

J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

UJ - The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

R - The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.

N - The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."

NJ - The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate quantity.

J+ - The result is an estimated quantity, but the result may be biased high.

J- - The result is an estimated quantity, but the result may be biased low.

D - Analyte concentration is from diluted analysis.

Sample Receipt:

The Chain of Custody documents indicates that the samples were received at Alpha Analytical via laboratory courier upon completion of the sampling event. Sample login notes were generated. The cooler temperature for sample receipts was recorded upon receipt and determined to be acceptable (< 6 degrees C). The actual temperatures are recorded on the sample receipt checklists provided in Appendix A of this report.

No unresolved problems and/or discrepancies were noted, consequently, the integrity of the samples has been assumed to be good. Although not requested on the chain of custody, Herbicide and Cyanide analysis was required on MW-1 and MW-1B and authorized by Tenen Environmental.

The data summary Form I's included in Appendix C include all usable (qualified) and unusable (rejected) results for the samples identified above. The Form I's summarize the detailed narrative section of the report. All data validation qualifications have been reported on the Form I's for ease of review and verification.

NOTE:

L.A.B. Validation Corp. believes it is appropriate to note that the data validation criteria utilized for data evaluation is different than the method requirements utilized by the laboratory. Qualified data does not necessarily mean that the laboratory was non-compliant in the analysis that was performed.

1.0 Volatile Organics by GC/MS SW846 Method 8260C

The following method criteria were reviewed: holding times, SMCs, MS, MSD, LCS, Laboratory Spiked Blanks, Method Blanks, Tunes, Calibrations, Internal Standards, Target Component Identification, Quantitation, Reported Quantitation Limits and Overall System Performance. The Volatile results are valid and useable except for non-detects for 1,4-Dioxane in all samples due to low ICAL/CCAL response as noted within the following text:

1.1 Holding Time

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the technical holding time is exceeded, the data may not be considered valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimates, "J". The non-detects (sample quantitation limits) are required to be flagged as estimated, "J", or unusable, "R", if the holding times are grossly exceeded.

Samples pertaining to this SDG were analyzed within the Method required holding times as well as the technical holding times for data validation. No data validation qualifiers were required based upon holding time. Groundwater, Field and Trip Blank analysis was performed within holding times of 14 days for HCL preserved vials.

1.2 System Monitoring Compound (Surrogate) Recovery

All samples are spiked with surrogate compounds prior to sample analysis to evaluate overall laboratory performance and efficiency of the analytical technique. If the measure of surrogate concentrations is outside contract specification, qualifications are required to be applied to associated samples and analytes.

Surrogate recoveries (%R) for Dibromofluoromethane, 1,2-Dichloroethane-d4, Toluene-d8 and 4-Bromofluorobenzene were found to be within acceptable limits for surrogate compounds for all analyses pertaining to this SDG.

1.3 Matrix Spikes (MS)/ Matrix Spike Duplicates (MSD)

The MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices and to demonstrate acceptable compound recovery by the laboratory at the time of sample analysis. The MS/MSD may be used in conjunction with other QC criteria for additional qualification of data.

MS/MSD was submitted on MW-1B. Tetrachloroethene recovered outside acceptance limits in the MS and MSD due to high parent sample concentration (800 ug/L) relative to spike amount (200 ug/L). The data was not qualified based on these outliers. Additionally, Trichloroethene was not recoverable in the MS or MSD again, due to high sample concentration (1900 ug/L) relative to spike amount (200 ug/L). 2-Butanone recovered above limits in the MSD (140%). Naphthalene (180%/180%) and 1,2,3-Trichlorobenzene (285%/270%) also recovered above limits. These compounds were not detected in the parent sample and therefore high recovery does not support any potential loss of detection and/or result bias.

The National Functional Guidelines and EPA Region 2 SOPs state that “No qualifications to the data is necessary based on MS data alone.”

No qualifications were applied for RPD outliers based on professional judgment.

1.4 Laboratory Control Sample/Blank Spikes

The LCS data for laboratory control samples (LCS) are generated to provide information on the accuracy of the analytical method and on the laboratory performance.

Acceptable LCS/Blank Spike and LCS/LCS Duplicate was analyzed. Acceptable recovery values and RPD were observed except for:

LCS/LCS Duplicate associated with MW-3S, MW-2, MW-4B, MW-4B DUP, MW-4S and MW-1 resulted in high 1,2,3-Trichlorobenzene (200%/240), Naphthalene (160%) and 1,4-Dioxane (166%). These analytes were not detected in the associated field samples. Laboratory reported results are not impacted by these outliers.

Data was not qualified where RPD fell outside 20% (Naphthalene – 21%) since RPD was determined to be reasonable per the methodology.

LCS/LCS Duplicate associated with MW-1B and the Trip Blank resulted in high 2-Butanone (140%/140%), Naphthalene (160%/170%) and 1,2,3-Trichlorobenzene (240%/260%). These analytes were not detected in the associated field samples. Laboratory reported results are not impacted by these outliers.

No additional qualifications to the data were made where RPD fell outside 20% (1,4-Dioxane – 49%) since this non-detection was rejected due to low calibration response.

1.5 Blank Contamination

Quality assurance (QA) blanks; i.e. method, trip and field blanks are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field blanks measure cross-contamination of samples during field operations.

The following table was utilized to qualify target analyte results due to contamination. The largest value from all the associated blanks is required to be utilized:

Blank Type	Blank Result	Sample Result	Action for Samples
Method, Storage, field, Trip, Instrument	Detects	Not Detected	No qualification required
	<CRQL*	<CRQL*	Report CRQL value with a U
		>= CRQL* and <2x the CRQL**	No qualification required
	>CRQL*	<= CRQL*	Report CRQL value with a U
		>=CRQL* and <= blank concentration	Report blank value for sample concentration with a U
		>= CRQL* and > blank concentration	No qualification required
	=CRQL*	<= CRQL*	Report CRQL value with a U
		>CRQL*	No qualification required
	Gross Contamination**	Detects	Report blank value for sample concentration with a U

*2x the CRQL for methylene chloride, 2-butanone and acetone.

**Qualifications based on instrument blank results affect only the sample analyzed immediately after the sample that has target compounds that exceed the calibration range or non-target compounds that exceed 100 ug/L.

Below is a summary of the compounds in the sample and the associated qualifications that have been applied:

A) Method Blank Contamination:

Target analytes were not detected in the method blanks associated with sample analysis.

B) Field Blank Contamination:

Field Blank analysis was not required for Volatiles.

C) Trip Blank Contamination:

Acetone was detected in the Trip Blank at 3 ug/L which is within laboratory acceptance limits. Acetone was negated, "U" in MW-3S, MW-2, MW-4B, MW-4B DUP and MW-4S.

1.6 GC/MS Instrument Performance Check

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The Tuning standard for volatile organics is Bromofluorobenzene (BFB).

Instrument performance was generated within acceptable limits and frequency for Bromofluorobenzene (BFB) for all analyses conducted for this SDG.

1.7 Initial and Continuing Calibrations

Satisfactory instrument calibration is established to ensure that the instrument can produce acceptable quantitative data. An initial calibration demonstrates that the instrument can produce acceptable performance at the beginning of an experimental sequence.

The continuing calibration checks document that the instrument is giving satisfactory daily performance. Initial calibration verifications were acceptable.

A) Response Factor GC/MS:

The response factor measures the instrument's response to specific chemical compounds. The response factor for all compounds must be ≥ 0.05 in both initial and continuing calibrations. A value < 0.05 indicates a serious detection and quantitation problem (poor sensitivity). Analytes detected in the sample will be qualified as estimated, "J". All non-detects for that compound in the corresponding samples will be rejected, "R". Method 8260C allows for a minimum response factor of 0.1 for Acetone and 2-Butanone. Validation criteria allows response factor to be ≥ 0.01 for poor responders (Acetone, MEK, Carbon Disulfide, Chloroethane, Chloromethane, Cyclohexane, 1,2-Dibromoethane, Dichlorodifluoromethane, cis-1,2-Dichloroethene, 1,2-Dichloropropane, 1,2-Dibromo-3-chloropropane, Isopropylbenzene, Methyl Acetate, Methylene Chloride, Methylcyclohexane, MTBE, trans-1,2-Dichloroethene, 4-Methyl-2-Pentanone, 2-Hexanone, Trichlorofluoromethane, 1,1,2-Trichloro-1,2,2-Trifluoroethane).

All the response factors for the target analytes reported were found to be within acceptable limits (≥ 0.05) and (≥ 0.01 for poor responders) and minimum response criteria in Table 4 of Method 8260C, for the initial and continuing calibrations for all reported analytes except for 1,4-Dioxane (0.001). Non-detects in all samples have been rejected, "R."

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentrations. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration. Percent D is a measure of the instrument's daily performance. Percent RSD must be $<20\%$ and %D must be $<20\%$. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and non-detects are flagged "UJ". If %RSD and %D grossly exceed QC criteria, non-detect data may be qualified, "R", unusable.

Additionally, in cases where the %RSD is $>20\%$ and eliminating either the high or the low point of the curve does not restore the %RSD to less than or equal to 20% then positive results are qualified, "J". In cases where removal of either the low or high point restores the linearity, then only low or high-level results will be qualified, "J" in the portion of the curve where non-linearity exists. Closing CCV must meet 30% criteria. Poor responders must be $\leq 40\%$.

*Method 8260C allows for several analytes to be outside requirements due to the large number of compounds.

Initial Calibrations: The initial calibrations provided and the %RSD were within acceptable limits (20%) and (40% for poor responders) for all reported compounds.

Continuing Calibrations: The continuing calibrations provided and the %D was within acceptable limits (25%) and (40% for poor responders) for all reported compounds except for Naphthalene and 1,2,3-Trichlorobenzene. Non-detects in all samples have been qualified, "UJ."

1.8 Internal Standards

Internal Standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must not vary by more than a factor of 2 (-50% to $+100\%$) from the associated continuing calibration standard. The retention time of the internal standard must not vary more than $\pm$

30 seconds from the associated continuing calibration standard. If the area count is outside the (-50% to +100%) range of the associated standard, all the positive results for compounds quantitated using that IS are qualified as estimated, "J", and all non-detects as "UJ", or "R" if there is a severe loss of sensitivity.

If an internal standard retention time varies by more than 30 seconds, professional judgment will be used to determine either partial or total rejection of the data for that sample fraction.

All samples were spiked with the internal standards Fluorobenzene, Chlorobenzene-d5 and 1,4-Dichlorobenzene-d4 prior to sample analysis. The area responses and retention time of each internal standard met QC criteria in all samples associated with this SDG.

1.9 Field Duplicates

Field duplicate samples are collected and analyzed as an indication of overall precision. These results are expected to have more variability than laboratory duplicate samples. Acceptable RPD is 50%.

Field Duplicate was collected as follows:

MW-4B = MW-4B DUP -Trichloroethene was detected at 0.2 ug/L in the parent sample and not in the field duplicate. No qualifiers were applied based on this low detection. Acceptable precision was obtained for remaining sec-Butylbenzene detections in this parent/field duplicate pair (0.82 ug/L vs. 0.85 ug/L).

1.10 Target Compound List Identification

TCL compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within ± 0.06 RRT units of the standard compound and have an ion spectrum which has a ratio of the primary and secondary m/e intensities within 20% of that in the standard compound.

GC/MS spectra met the qualitative criteria for identification. All retention times were within required specifications.

1.11 Compound Quantification and Reported Detection Limits

GC/MS quantitative analysis is acceptable. Correct internal standards per SW846 and response factors were used to calculate final concentrations.

As required, the laboratory reported "J" values between the reporting limits (RL) and Method Detection Limits (MDLs). This is consistent with common laboratory practices and a requirement of the National Environmental Laboratory Approval Program (NELAP).

Groundwater samples were analyzed undiluted at 10mls except for MW1B (1:20) and MW-1 (1:20) due to high chlorinated analyte concentrations as reported on the laboratory Form I's.

1.12 Overall System Performance

Good resolution and chromatographic performance were observed.

2.0 Semivolatile Organics by GC/MS SW846 Method 8270D and Select Analytes by Selective Ion Monitoring (SIM) Techniques.

The following method criteria were reviewed: holding times, Surrogates, MS, MSD, LCS, Blanks, Tunes, Calibrations, Internal Standards, Target Component Identification, Quantitation, Reported Quantitation Limits and overall system performance. The Semivolatile results are valid and usable as noted within the following text:

2.1 Holding Time

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the technical holding time is exceeded, the data may not be considered valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimates, "J". The non-detects (sample quantitation limits) are required to be flagged as estimated, "J", or unusable, "R", if the holding times are grossly exceeded.

Samples were extracted and analyzed within the method required holding times and the technical holding times (7 days for groundwater and 40 days from extraction to analysis) required for data validation.

2.2 Surrogate Recovery

All samples are spiked with surrogate compounds prior to sample preparation/extraction to evaluate overall laboratory performance and efficiency of the analytical technique. Additionally, the sample itself may produce effects due to such factors as interferences and high concentrations of analytes. Since the effects of the sample matrix are frequently outside the control of the laboratory and may present relatively unique problems, the evaluation of the data is dependent upon reextraction and/or reanalysis to confirm/negate laboratory error or matrix related problems. Discussion of surrogate recoveries that fell outside (above/below) QC guidelines is itemized below:

Samples were spiked with six (6) surrogate standards at the sample extraction portion of analysis. Method allows for one (1) base neutral and one (1) acid recovery to be outside acceptance limits without requiring reextraction/reanalysis. The laboratory is compliant with all surrogate standards meeting acceptance criteria. For validation, recovery values <10% require analytes from that fraction be rejected, "R."

2.3 Matrix Spikes (MS)/Matrix Spike Duplicates (MSD)

The MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices.

Groundwater MS/MSD analysis of MW-1B. Acceptable recovery and RPD was obtained for all spiked compounds except for 4-Chloroaniline (31%) which recovered below limits. Non-detects in the parent sample have been qualified, "UJ." High recovery was obtained for 4-Nitrophenol (88%/88%) and Benzoic Acid (240%/290%). Benzoic Acid in MW-1B (21 ug/L) has been qualified, "J+" biased high.

Based on professional judgment, data was not qualified for RPD outlier for 3,3'-Dichlorobenzidine (39%).

The National Functional Guidelines provide and allow for flexibility when qualifying the parent sample based on MS/MSD data.

2.4 Laboratory Control Sample

The LCS data for laboratory control samples (LCS) are generated to provide information on the accuracy of the analytical method and on the laboratory performance.

Acceptable LCS was analyzed yielding recovery values within established ranges.

2.5 Method Blanks

Quality assurance (QA) blanks; i.e. method, trip and field blanks are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field blanks measure cross-contamination of samples during field operations.

The following table was utilized to qualify target analyte results due to contamination. The largest value from all the associated blanks is required to be utilized:

For:	Flag Sample Result with a "U" when:	Report CRQL & Qualify "U" when:	No Qualification is Needed when:
Phthalates (common laboratory contaminants)	Sample Conc. Is >CRQL, but <=5x blank value	Sample Conc. Is <CRQL and <=5x blank value	Sample Conc. Is >CRQL and >5x blank value
Other Contaminants	Sample Conc. Is >CRQL, but <=1x blank value	Sample Conc. Is <CRQL and <=1x blank value	Sample Conc. Is >CRQL and >1x blank value

Below is a summary of the compounds in the sample and the associated qualification that have been applied:

A) Method Blank Contamination:

Target analytes were not detected in the method blanks.

B) Field Blank Contamination:

Field Blank analysis was not required for SVOA analysis.

2.6 GC/MS Instrument Performance Check

Tuning and performance criteria are established to ensure adequate mass resolution proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample

specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The Tuning standard for semivolatile organics is decafluorotriphenylphosphine (DFTPP).

Instrument performance was generated within acceptable limits and frequency (12 hours) for decafluorotriphenylphosphine (DFTPP) for all analyses.

2.7 Initial and Continuing Calibrations

Satisfactory instrument calibration is established to ensure that the instrument can produce acceptable quantitative data. An initial calibration demonstrates that the instrument can give acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:

The response factor measures the instrument's response to specific chemical compounds. The response factor for all compounds must be $\geq$ the RRF values in Table 2 (EPA Region 2 SOP HW-35A) in both initial and continuing calibrations. A value $<$ the minimum response indicates a serious detection and quantitation problem (poor sensitivity). Analytes detected in the sample will be qualified as estimated, "J+". All non-detects for that compound in the corresponding samples will be rejected, "R".

All the response factors for the target analytes reported were found to be within acceptable limits, for the initial (average RRF) and continuing calibrations.

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentrations. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration. Percent D is a measure of the instrument's daily performance. Percent RSD must be $<$ %D in Table 2 (range from 20%-50% depending on analyte) and opening %D and close %D must also be $<$ Table 2 values. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J"

and non-detects are flagged "UJ". If %RSD and %D grossly exceed QC criteria, non-detect data may be qualified, "R", unusable. Additionally, in cases where the %RSD is above criteria and eliminating either the high or the low point of the curve does not restore the %RSD to less than or equal to Table 2 values then positive results are qualified, "J". In cases where removal of either the low or high point restores the linearity, then only low or high-level results will be qualified, "J" in the portion of the curve where non-linearity exists. Due to the large number of analytes in this method, it is expected for some analytes to fall outside acceptance criteria and the calibration is still considered valid.

Acceptable Initial Calibration Verifications were performed.

Initial Calibrations: The initial calibrations provided and the %RSD were within acceptable limits for all reported compounds.

Continuing Calibrations: The continuing calibrations provided and the %D was within acceptable limits for all reported compounds.

2.8 Internal Standards

Internal Standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must not vary by more than a factor of 2 (-50% to +100%) from the associated continuing calibration standard. The retention time of the internal standard must not vary more than +/- 30 seconds from the associated continuing calibration standard. If the area count is outside the (-50% to +100%) range of the associated standard, all the positive results for compounds quantitated using that IS are qualified as estimated, "J", and all non-detects as "UJ", or "R" if there is a severe loss of sensitivity.

If an internal standard retention time varies by more than 30 seconds, professional judgment will be used to determine either partial or total rejection of the data for that sample fraction.

All area responses and retention times fell within established QC ranges for sample analysis.

2.9 Field Duplicates

Field duplicate samples are collected and analyzed as an indication of overall precision. These results are expected to have more variability than laboratory duplicate samples. An acceptable RPD is 50%.

Field Duplicate analysis was not required for SVOA.

2.10 Target Compound List Identification

TCL compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within ± 0.06 RRT units of the standard compound and have an ion spectrum which has a ratio of the primary and secondary m/e intensities within 20% of that in the standard compound.

Mass spectra meet criteria for all detected analytes.

2.11 Compound Quantification and Reported Detection Limits

GC/MS quantitative analysis is acceptable. Correct internal standards and response factors were used to calculate final concentrations.

As required, the laboratory reported "J" values between the reporting limits (RL) and Method Detection Limits (MDLs). This is consistent with common laboratory practices and a requirement of the National Environmental Laboratory Approval Program (NELAP). Aqueous samples were extracted by Method 3510C (separatory funnel extraction).

Groundwater samples were analyzed undiluted and extracted with 275mls.

2.12 Overall System Performance

Acceptable system performance was maintained throughout the analysis.

3.0 1,4-Dioxane by GCMS SW846 Method 8270D (SIM).

The following method criteria were reviewed: holding times, SMCs, MS, MSD, LCS, Laboratory Spiked Blanks, Method Blanks, Tunes, Calibrations, Internal Standards, Field Duplicate, Target Component Identification, Quantitation, Reported Quantitation Limits and Overall System Performance. The 1,4-Dioxane results are valid and useable as noted within the following text:

3.1 Holding Time

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the technical holding time is exceeded, the data may not be considered valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimates, "J". The non-detects (sample quantitation limits) are required to be flagged as estimated, "J", or unusable, "R", if the holding times are grossly exceeded.

Samples were extracted and analyzed within the method required holding times and the technical holding times (7 days from collection) and 40 days from extraction to analysis) required for data validation.

3.2 System Monitoring Compound (Surrogate) Recovery

All samples are spiked with surrogate compounds prior to sample preparation/extraction to evaluate overall laboratory performance and efficiency of the analytical technique. Additionally, the sample itself may produce effects due to such factors as interferences and high concentrations of analytes. Since the effects of the sample matrix are frequently outside the control of the laboratory and may present relatively unique problems, the evaluation of the data is dependent upon reextraction and/or reanalysis to confirm/negate laboratory error or matrix related problems. Discussion of surrogate recoveries that fell outside (above/below) QC guidelines is itemized below:

Surrogate 1,4-Dioxane-d8 also recovered within limits (15-110%) for SIM analysis.

3.3 Matrix Spikes (MS)/ Matrix Spike Duplicates (MSD)

The MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices and to demonstrate acceptable compound recovery by the laboratory at the time of sample

analysis. The MS/MSD may be used in conjunction with other QC criteria for additional qualification of data.

MS/MSD was performed on MW-1B. Acceptable recovery and RPD were observed for spiked analyte 1,4-Dioxane (123%/113%).

The National Functional Guidelines and EPA Region 2 SOPs state that “No qualifications to the data is necessary based on MS data alone.”

3.4 Laboratory Control Sample/Blank Spikes

The LCS data for laboratory control samples (LCS) are generated to provide information on the accuracy of the analytical method and on the laboratory performance.

LCS/Blank Spike yielded acceptable recovery values (104%/108%) for 1,4 Dioxane.

3.5 Blank Contamination

Quality assurance (QA) blanks; i.e. method, trip and field blanks are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field blanks measure cross-contamination of samples during field operations.

The following table was utilized to qualify target analyte results due to contamination. The largest value from all the associated blanks is required to be utilized:

Blank Type	Blank Result	Sample Result	Action for Samples
Method, Storage, field, Instrument	Detects	Not Detected	No qualification required
	<CRQL	<CRQL	Report CRQL value with a U
		>= CRQL and <2x the CRQL	No qualification required
	>CRQL	<= CRQL	Report CRQL value with a U
		>=CRQL and <= blank concentration	Report blank value for sample concentration with a U
		>= CRQL and > blank concentration	No qualification required
	=CRQL	<= CRQL	Report CRQL value with a U
		>CRQL	No qualification required
	Gross Contamination	Detects	Report blank value for sample concentration with a U

Below is a summary of the compounds in the sample and the associated qualifications that have been applied:

D) **Method Blank Contamination:**

1,4-Dioxane was not detected in the method blank associated with sample analysis.

E) **Field Blank Contamination:**

Field Blank was not required for 1,4-Dioxane.

3.6 GC/MS Instrument Performance Check

Tuning and performance criteria are established to ensure adequate mass resolution proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The Tuning standard for semivolatile organics is decafluorotriphenylphosphine (DFTPP).

Instrument performance was generated within acceptable limits and frequency (12 hours) for decafluorotriphenylphosphine (DFTPP) for all analyses.

3.7 Initial and Continuing Calibrations

Satisfactory instrument calibration is established to ensure that the instrument can produce acceptable quantitative data. An initial calibration demonstrates that the instrument can give acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

C) **Response Factor GC/MS:**

The response factor measures the instrument's response to specific chemical compounds. The response factor for all compounds must be ≥ 0.05 in both initial and continuing calibrations. A value < 0.05 indicates a serious detection and quantitation problem (poor sensitivity). Analytes detected in the sample will be qualified as estimated, "J". All non-detects for that compound in the corresponding samples will be rejected, "R".

Response factors for 1,4-Dioxane was found to be within acceptable limits (≥ 0.05), for the initial (average RRF) and continuing calibrations.

D) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentrations. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration. Percent D is a measure of the instrument's daily performance. Percent RSD must be $<20\%$ and %D must be $<20\%$. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and non-detects are flagged "UJ". If %RSD and %D grossly exceed QC criteria, non-detect data may be qualified, "R", unusable. Additionally, in cases where the %RSD is $>30\%$ and eliminating either the high or the low point of the curve does not restore the %RSD to less than or equal to 20% then positive results are qualified, "J". In cases where removal of either the low or high point restores the linearity, then only low or high-level results will be qualified, "J" in the portion of the curve where non-linearity exists. Due to the large number of analytes in this method, it is expected for some analytes to fall outside acceptance criteria and the calibration is still considered valid.

Acceptable Initial Calibration Verifications were performed.

Initial Calibrations: The initial calibrations provided and the %RSD were within acceptable limits (20%) for 1,4-Dioxane.

Continuing Calibrations: The continuing calibrations provided and the %D was within acceptable limits (20%) for 1,4-Dioxane.

3.8 Internal Standards

Internal Standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must not vary by more than a factor of 2 (-50% to $+100\%$) from the associated continuing calibration standard. The retention time of the internal standard must not vary more than ± 30 seconds from the associated continuing calibration standard. If the

area count is outside the (-50% to +100%) range of the associated standard, all the positive results for compounds quantitated using that IS are qualified as estimated, "J", and all non-detects as "UJ", or "R" if there is a severe loss of sensitivity.

If an internal standard retention time varies by more than 30 seconds, professional judgment will be used to determine either partial or total rejection of the data for that sample fraction.

Samples were spiked with the internal standard DCBd4 for SIM analysis. The area responses and retention time of this internal standard met QC criteria in all samples associated with these SDGs.

3.9 Field Duplicates

1,4-Dioxane was not detected in MW-4B or the field duplicate.

3.10 Target Compound List Identification

TCL compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within ± 0.06 RRT units of the standard compound and have an ion spectrum which has a ratio of the primary and secondary m/e intensities within 20% of that in the standard compound.

GC/MS spectra met the qualitative criteria for identification. All retention times were within required specifications.

3.11 Compound Quantification and Reported Detection Limits

GC/MS quantitative analysis is acceptable. Correct internal standards per SW846 and response factors were used to calculate final concentrations.

As required, the laboratory reported "J" values between the reporting limits (RL) and Method Detection Limits (MDLs). This is consistent with common laboratory practices and a requirement of the National Environmental Laboratory Approval Program (NELAP).

Groundwater samples were all analyzed undiluted. Samples were extracted by SW846 Method 3510C from an initial volume of 480-500mls and concentrated to a final volume of 5mls. 1 ul injection was performed for each sample and standard. Reporting limits have been adjusted accordingly.

3.12 Overall System Performance

Good resolution and chromatographic performance were observed.

4.0 PFC's by LC/MS/MS EPA Modified Method 537

The following method criteria were reviewed: holding times, Surrogates, MS, MSD, LCS/Laboratory Spiked Blanks, Method Blanks, Calibrations, Field Duplicate, Target Component Identification, Quantitation, Reported Quantitation Limits and Overall System Performance. The PFC results are valid and useable as noted within the following text:

4.1 Holding Time

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the technical holding time is exceeded, the data may not be considered valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimates, "J". The non-detects (sample quantitation limits) are required to be flagged as estimated, "J", or unusable, "R", if the holding times are grossly exceeded.

Samples pertaining to this SDG were extracted and performed within the method required holding times of 14 days from collection to extraction and 28 days from extraction to analysis for sample containers preserved with Trizma. No data validation qualifiers were required based upon holding time.

4.2 System Monitoring Compound (Surrogate) Recovery

All samples are spiked with surrogate compounds prior to sample analysis to evaluate overall laboratory performance and efficiency of the analytical technique. If the measure of surrogate concentrations is outside contract specification, qualifications are required to be applied to associated samples and analytes.

Surrogate recoveries (%R) for Isotope Dilution Analysis were found to be within acceptable limits for all analyses pertaining to this SDG with exceptions noted below:

M5PFPEA – Recovered above acceptance limits in the MW-2 (194%). Target analyte PFPeA must be considered estimated, “J+” biased high (15.5 ng/L).

M2-6:2FTS – Recovered above limits in MW-3S, MW-2, MW-4B DUP and MW-4S. Detections for 6:2 FTS must be considered estimated, biased high, “J+.” No qualifications are required for non-detects (MW-11).

M2-8:2FTS – Recovered above limits in MW-2, MW-4B, MW-4B DUP, MW-4S and the Field Blank. Results for MW-2 have been qualified, “J+.” No additional qualifiers are required for target analyte 8:2FTS since it was not detected in the remaining associated field samples.

D3-NMEFOSAA – High recovery was obtained for the Field Blank (166%). Target analyte NMeFOSAA has been qualified, “J+.”

M8FOSA – Low recovery was obtained for all samples. Associated non-detects for target analyte FOSA has been qualified, “UJ” in all samples and biased low, “J-“ for detections in MW-2 and MW-4S.

D5-NETFOSAA – Recovered high (173%) in the Field Blank. Target analyte NEFOSAA must be considered estimated, “J+” biased high.

M2PFTEDA – Recovered low in MW-2 (43%). Non-detected value has been qualified, “UJ.”

4.3 Matrix Spikes (MS)/ Matrix Spike Duplicates (MSD)

The MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices and to demonstrate acceptable compound recovery by the laboratory at the time of sample analysis. The MS/MSD may be used in conjunction with other QC criteria for additional qualification of data.

MS/MSD analyses were conducted for each analytical sequence and were spiked with all twenty-one (21) target analytes as required by the analytical procedure.

Site specific MS/MSD was performed on MW-1B Acceptable recovery (50-150%) and RPD (<30%) was observed for all compounds.

The National Functional Guidelines and EPA Region 2 SOPs state that “No qualifications to the data is necessary based on MS data alone.”

4.4 Laboratory Control Sample/Blank Spikes

The LCS data for laboratory control samples (LCS) are generated to provide information on the accuracy of the analytical method and on the laboratory performance.

LCS/Blank Spike was analyzed. Recovery values were acceptable for all spiked compounds.

4.5 Blank Contamination

Quality assurance (QA) blanks; i.e. method, trip and field blanks are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field blanks measure cross-contamination of samples during field operations.

The following table was utilized to qualify target analyte results due to contamination. The largest value from all the associated blanks is required to be utilized:

Blank Type	Blank Result	Sample Result	Action for Samples
Method, Storage, field, Instrument	Detects	Not Detected	No qualification required
	<CRQL	<CRQL	Report CRQL value with a U
		>= CRQL and <2x the CRQL	No qualification required
	>CRQL	<= CRQL	Report CRQL value with a U
		>=CRQL and <= blank concentration	Report blank value for sample concentration with a U
		>= CRQL and > blank concentration	No qualification required
	=CRQL	<= CRQL	Report CRQL value with a U
		>CRQL	No qualification required
	Gross Contamination	Detects	Report blank value for sample concentration with a U

Below is a summary of the compounds in the blanks and the associated qualifications that have been applied:

A) Method Blank Contamination:

The method blank was determined to contain 0.956 ng/L of NMeFOSAA and 0.300 ng/L of PFTA. NMeFOSAA was negated, "U" in MW-4B DUP and the Field Blank due to lab contamination.

B) Field Blank Contamination:

Low detections of PFBA (0.236 ng/L), 6:2FTS (0.289 ng/L), PFOA (0.193 ng/L) and NEtFOSAA (0.404 ng/L) were detected in the Field Blank.

Sample results were evaluated based on the above criteria. Sample concentrations were determined to be greater than the blank levels. No qualifications are required. The laboratory reported detections of PFC's in associated samples must be considered real.

4.6 Initial and Continuing Calibrations

Satisfactory instrument calibration is established to ensure that the instrument can produce acceptable quantitative data. An initial calibration demonstrates that the instrument can produce acceptable performance at the beginning of an experimental sequence.

The continuing calibration checks document that the instrument is giving satisfactory daily performance. Initial and continuing calibration verifications were acceptable.

Response Factor LC/MSMS:

The response factor measures the instrument's response to specific chemical compounds. The response factor for all compounds must be ≥ 0.05 in both initial and continuing calibrations. A value < 0.05 indicates a serious detection and quantitation problem (poor sensitivity). Analytes detected in the sample will be qualified as estimated, "J". All non-detects for that compound in the corresponding samples will be rejected, "R".

All the response factors for the target analytes reported were found to be within acceptable limits (≥ 0.05) for the initial and continuing calibrations for all reported analytes.

Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentrations.

Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration. Percent D is a measure of the instrument's daily performance. Percent RSD must be <20% and %D must be <20%. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and non-detects are flagged "UJ". If %RSD and %D grossly exceed QC criteria, non-detect data may be qualified, "R", unusable. Additionally, in cases where the %RSD is >20% and eliminating either the high or the low point of the curve does not restore the %RSD to less than or equal to 20% then positive results are qualified, "J". In cases where removal of either the low or high point restores the linearity, then only low or high-level results will be qualified, "J" in the portion of the curve where non-linearity exists. Closing CCV must meet 30% criteria. Acceptable correlation coefficient was observed for target analytes (>0.995)

Initial Calibrations: The initial calibrations provided and the %RSD were within acceptable limits (20%) for all reported compounds.

Continuing Calibrations: The continuing calibrations provided and the %D was within acceptable limits (20%) for all reported compounds.

4.7 Field Duplicates

Field duplicate samples are collected and analyzed as an indication of overall precision. These results are expected to have more variability than laboratory duplicate samples. Acceptable RPD is 25%. Field Duplicate analysis was collected on MW-4B as MW-4B DUP. Acceptable precision was observed for all detections except for some low detections in the Field Duplicate that were not found in the parent sample (PFDA – 0.496 ng/L), PFUnA (0.673 ng/L), PFDS (0.665 ng/L), NEtFOSAA (0.865 ng/L), PFDoA (0.723 ng/L), PFTrDA (0.827 ng/L) and OFTA (1.31 ng/L). Non-detects in the parent sample have been qualified, "UJ" for these analytes based on professional judgment.

4.8 Target Compound List Identification

TCL compounds are identified on the LC/MS/MS by using the analyte's relative retention time (RRT) obtained from known standards.

LC/MS/MS raw data met the qualitative criteria for identification. All retention times were within required specifications.

4.9 Compound Quantification and Reported Detection Limits

LC/MS/MS quantitative analysis is acceptable. Samples were extracted by solid phase extraction techniques. Correct internal standards per EPA Method 537 and response factors were used to calculate final concentrations. Results are reported in ng/L for all detections.

As required, the laboratory reported "J" values between the reporting limits (RL) and Method Detection Limits (MDLs). This is consistent with common laboratory practices and a requirement of the National Environmental Laboratory Approval Program (NELAP).

Groundwater samples were all analyzed undiluted. Extracts were performed by SW846 Solid Phase Extraction (3535) utilizing varying initial sample volumes (250-280mls) as notated on the Form I's and verified by laboratory prep sheets. Extracts were concentrated to 1.0 ml and the laboratory has injected 3ul for samples and standards which is acceptable practice. Results are reported in ng/L where (1 ng/L = 0.001 ug/L).

4.10 Overall System Performance

Good resolution and chromatographic performance were observed.

5.0 Pesticides by GC SW846 Method 8081B, PCBs by SW846 Method 8082A and Herbicides by 8151A

The following method criteria were reviewed: holding times, Surrogates, MS, MSD, LCS, Blanks, Analytical Sequences, Calibrations, Target Component Identification, Quantitation, Reported Quantitation Limits and overall system performance. The Pesticide, PCB and Herbicide results are valid and usable as noted within the following text:

5.1 Holding Time

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the technical holding time is exceeded, the data may not be considered valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimates, "J". The non-detects (sample quantitation limits) are required to be flagged as estimated, "J", or unusable, "R", if the holding times are grossly exceeded.

Samples were extracted and analyzed within the method required holding times and the technical holding times required for data validation (7 days from collection for aqueous samples to extraction). All extracts were analyzed within forty (40) days in accordance with the analytical method requirements.

5.2 Surrogate Recovery

All samples are spiked with surrogate compounds prior to sample preparation/extraction to evaluate overall laboratory performance and efficiency of the analytical technique. Additionally, the sample itself may produce effects due to such factors as interferences and high concentrations of analytes. Since the effects of the sample matrix are frequently outside the control of the laboratory and may present relatively unique problems, the evaluation of the data is dependent upon reextraction and/or reanalysis to confirm/negate laboratory error or matrix related problems. No qualifications were applied if one of the spiked surrogates is above acceptance limits on one of the two columns. Discussion of surrogate recoveries that fell outside (above/below) QC guidelines is itemized below:

Pesticides:

Acceptable DCB and TCX recoveries were observed

PCBs:

Acceptable surrogate recovery values for DCB and TCX were observed for all samples.

Herbicides:

Acceptable surrogate recovery values for DCAA was obtained for all samples. DCAA recovered above limits in the MS and MSD. Sample results are not impacted.

5.3 Matrix Spikes (MS)/Matrix Spike Duplicates (MSD)

The MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices.

The National Functional Guidelines indicate that MS/MSD data alone shall not be utilized to qualify sample data.

Acceptable recovery and RPD was obtained for Pesticide, PCB and Herbicide analysis on MW-1B.

5.4 Laboratory Control Sample

The LCS data for laboratory control samples (LCS) are generated to provide information on the accuracy of the analytical method and on the laboratory performance.

LCS/Blank Spikes were analyzed for each analytical extraction batch for Pesticides, PCBs and Herbicides. Acceptable recovery and RPD values were obtained for all spiked compounds.

5.5 Blanks

Quality assurance (QA) blanks; i.e. method, instrument, trip and field blanks are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Instrument blanks measure carryover for cross contamination. Field blanks measure cross-contamination of samples during field operations.

The following table was utilized to qualify target analyte results due to contamination. The largest value from all the associated blanks is required to be utilized:

For:	Flag Sample Result with a "U" when:	Report CRQL & Qualify "U" when:	No Qualification is Needed when:
Any Contaminant	Sample Conc. is >CRQL, but $\leq 5 \times$ blank value	Sample Conc. Is <CRQL and $\leq 5 \times$ blank value	Sample Conc. is >CRQL and $> 5 \times$ blank value

Extraction and Instrument blanks were performed at the appropriate frequency.

Below is a summary of blank contamination:

A) Method Blank Contamination:

No target analytes were detected in the associated method blanks. No data validation qualifiers were required based upon method blank data.

B) Field Blank Contamination:

Field Blank analysis was not required for Pesticides, PCBs or Herbicides.

5.6 Calibration Verification

Initial and continuing calibration sequence was performed as required for individual and multi-component Pesticide, PCB and Herbicide standards. Acceptable DDT and Endrin breakdown percent difference (<15%) was observed. Acceptable retention times were obtained for all analysis and GC resolution is acceptable for both columns.

Linearity criteria for the initial standards have been satisfied for both columns as detailed below:

%RSD $\leq$ 20% for single component compounds except alpha-BHC and delta-BHC

%RSD $\leq$ 30% for Toxaphene peaks

%RSD $\leq$ 30% for surrogates (TCMX and DCB)

%RSD <20% for PCB aroclors and Herbicides

Continuing calibration verifications:

For Pesticide analysis, acceptable percent difference for any pesticide and herbicide is 20%, PCB analysis, the acceptable limit is 15%.

Calibrations met method requirements for Pesticides, PCBs and Herbicides.

5.7 Field Duplicates

Field duplicate samples are collected and analyzed as an indication of overall precision. These results are expected to have more variability than laboratory duplicate samples. An acceptable RPD is 50%.

Field Duplicate was not required for Pesticides, PCBs or Herbicides.

5.8 Target Compound Identification

Qualitative criteria for compound identification have been established to minimize the number of false positives and false negatives. The retention times of all target analytes have been verified in the samples to that of the analyzed reference standards

Acceptable DDT/Endrin breakdown was observed.

Positive Pesticide, PCB and Herbicide sample results are compared and where %Difference >25% when quantitated on the two columns the qualifications below are applied. Sample chromatograms were reviewed for the presence of interference. The following qualifications were applied where neither column shows interference:

<u>%Difference</u>	<u>Qualifier</u>
0-25%	None
26-70%	"J"
71-100%	"JN"
101-200% (no interference)	"R"
101-200% (interference detected)	*"JN"
>50% (Pesticide value is <CRQL)	** "U"
>201%	"R"

*When the reported %D is 101-200%, but interference is determined on either column, the results shall be qualified, "JN"

** When the reported pesticide value is lower than the CRQL, and the %D is >50%, raise the value to the CRQL and qualify "U", undetected.

Acceptable %D was observed with exceptions noted below:

MW-10 – Dieldrin %D = 32%. Result has previously been qualified, "J" by the laboratory since the quantitated value (0.021 ug/L) is below the reporting limit. No additional qualifiers are required.

5.9 Compound Quantification and Reported Detection Limits

TCL compounds are identified on the GC by using the analyte's relative retention time (RRT) and by comparison to the primary column and the secondary confirmation column data. The laboratory reported the lower of the concentrations for primary/confirmatory column results as required.

Samples were analyzed undiluted for Pesticides and PCBs analysis and the laboratory utilized internal standards for quantitation. Acceptable internal standard response was observed.

5.10 Overall System Performance

Acceptable system performance was maintained throughout the analysis of all samples. Good resolution and chromatographic performance were observed.

Samples were concentrated to 1ml for Pesticides and PCBs and 10ml for Herbicides. An initial volume of 140ml was utilized for Pesticides and PCBs and 950ml for Herbicides. Pesticides/PCBs were extracted by separatory funnel method 3510C and Herbicides by procedures inherent in Method 8151A. This is acceptable practice and method compliant. The laboratory reporting levels reflect the appropriate extraction concentration volumes.

6.0 Metals by ICPMS/Cold Vapor SW846 Methods 6020B/7470A

The following method criteria were reviewed: holding times, CRDL standards, calibration, blanks, MS, laboratory duplicates, LCS, interference check sample, ICPMS serial dilutions and sample results verification. Metals results are valid and usable with the appropriate qualifiers as notated in the following text:

6.1 Holding Times

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the technical holding time is exceeded, the data may not be considered valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimates, "J". The non-detects (sample quantitation limits) are required to be flagged as estimated, "J", or unusable, "R", if the holding times are grossly exceeded.

Samples were digested and analyzed for Total and Dissolved Metals within the method required holding times and the technical holding times for data validation. No qualifications were applied based upon holding time criteria. Samples MW-1B and MW-1 were filtered and preserved by the laboratory upon receipt for Dissolved Metals.

6.2 Calibration (ICV/CCV)

Satisfactory instrument calibration is established to ensure that the instruments can produce acceptable quantitative data. An initial calibration demonstrates that the instruments can give acceptable performance at the beginning of an experimental sequence. The continuing calibration checks

document that the instruments are giving satisfactory sequential performance and that the initial calibration is still valid.

The ICPMS and Mercury instruments were calibrated utilizing a minimum of a four-point curve in addition to blanks at the beginning of each analytical run. The calibrations have been determined to be acceptable, yielding correlation coefficients of 0.995 or greater.

For ICPMS analysis, satisfactory instrument performance near the Contract Required Detection Limit (CRDL) was demonstrated by analyzing a CRDL standard at the beginning and end of the analytical run. The instruments were calibrated properly by analyzing the CRDL solution at the correct levels and analyzed at the required frequency at the beginning and end of each analytical run.

All recoveries were within acceptable limits of 90-110 % for initial calibration pertaining to field samples.

Continuing calibrations were within acceptable limits of 90-110% recovery of the true values for ICPMS and Mercury (80-120%) for all field samples.

No qualifications were applied based upon ICV/CCV analysis.

6.3 Blanks

Quality assurance (QA) blanks, i.e. method, field or preparation blanks are prepared to identify any contamination that may have been introduced into the samples during sample preparation or field activity. Preparation blanks measure laboratory contamination. Field blanks measure cross-contamination of samples during field operations.

All digestion/prep/ICB/CCB blanks were generated within acceptable limits yielding final concentrations less than the CRDL except for Aluminum in the dissolved prep blank (0.0227 mg/L). Aluminum was not detected in dissolved analysis of MW-1 and MW-1B. Sample results are not impacted.

Antimony was detected at 0.00111 mg/L in the total method preparation blank. Sample results for MW-1 were negated, "U."

Field Blank was not required for metals analysis.

No additional qualifications to the data were made based upon blank contamination.

6.4 Spiked Sample Recovery

The spike data are generated to determine the long terms precision and accuracy of the analytical method in various matrices.

Spike recoveries are qualified based on the criteria below:

<10% - "R" all detects and non-detects

Between 10%-74% - results $\geq$ MDL "J" and non-detects "UJ"

Between 126-200% - results $\geq$ MDL "J"

MS/MSD analysis of MW-1B resulted in Calcium, Manganese and Sodium outliers due to high parent sample concentration relative to spike amount. No qualifications are required. Acceptable post digestion spike recoveries were obtained.

MS/MSD analysis of Dissolved MW-1B resulted in low Calcium recovery due to high sample concentration relative to spike amount. No qualifiers are required based on this outlier. Iron recovered above limits in the MS (127%), however was not detected in the parent sample and therefore results are not impacted. Sodium also recovered above limits in the MSD (171%). Results for Sodium have been qualified, "J+." Acceptable post digestion recovery values were obtained.

6.5 Laboratory/Field Duplicates

The laboratory uses duplicate sample determinations to demonstrate acceptable method precision at the time of analysis. Duplicate analyses are also performed to generate data to determine the long-term precision of the analytical method on various matrices.

Laboratory Duplicates:

RPD $>20\%$ but $<100\%$ - J detected concentrations

RPD $\geq 100\%$ - R all detected and non-detected concentrations

MSD was performed in lieu of laboratory duplicate. No qualifiers were applied.

Field Duplicates:

RPD $\geq 35\%$ but $<120\%$ - qualify sample and duplicate results $\geq$

CRQL "J"

RPD $\geq 120\%$ - rejected sample and duplicate results $\geq$ CRQL "R"

Field Duplicate was not required for Total or Dissolved Metals.

6.6 Laboratory Control Sample

The laboratory Control Sample (LCS) serves as a monitor of the overall performance of each step during the analysis, including the sample preparation. Aqueous and solid Laboratory Control samples shall be analyzed for each analyte utilizing the same sample preparation, analytical methods and QA/QC procedures as employed for the samples.

The LCS was analyzed and reported for ICPMS and Mercury analysis. Associated LCS recoveries were within the acceptable limits for Metals analyses (80-120%).

6.7 Interference Check Sample

The interference check sample (ICS) verifies the laboratory's interelement and background correction factors. The ICS consists of two solutions A and AB. Solution A consists of interference, and solution AB consists of the analytes mixed with interferents.

SW846 Method 6020B requires solution A and solution AB to be analyzed separately. The recoveries for the ICP interference check sample were all within the acceptable limits of 80-120%. No data qualifications were made based upon ICS analysis.

6.8 ICPMS Serial Dilution

The serial dilution of samples quantitated by ICP determines whether significant physical or chemical interferences exist due to sample matrix. An ICP serial dilution analysis must be performed on a sample for each group of samples with a similar matrix type and concentration, or for each Sample Delivery Group (SDG), whichever is more frequent.

ICP serial dilution was performed on MW-1B at a 5-fold dilution as required by the method where the initial concentration is equal or greater than 50x MDL. All serial dilution elements for total and dissolved analyses agree within a 10% difference of the original determination after correction for dilution for all reported elements.

6.9 Sample Results Verification

Analyte quantitation was generated in accordance with protocols. The raw data was verified and found within the linear range of each instrument used for quantitation. Raw data supplied corresponds with reported values. Verification of the calculations yielded reported results.

Metals analysis resulted in acceptable results. Aqueous total samples were analyzed by ICPMS. Results are reported in mg/L (ppm). Sodium concentration was higher in the dissolved analysis of MW-1B within a reasonable %D. Sodium results in total and dissolved metals has been qualified, "J." Calcium, Potassium and Manganese has also been qualified, "J" in MW-1 due to dissolved concentration slightly higher than the total concentration.

6.10 Overall Assessment of Data

The data generated were of acceptable quality. For the Metals analysis results are usable at the concentrations presented in the validated Form I's. The data was of acceptable quality.

7.0 General Chemistry—Cyanide and Hexavalent Chromium

Cyanide and Hexavalent Chromium was performed on samples pertaining to these SDGs. The results are valid and usable as notated in the following text.

7.1 Holding Times

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the technical holding time is exceeded, the data may not be considered valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimates, "J". The non-detects (sample quantitation limits) are required to be flagged as estimated, "J", or unusable, "R", if the holding times are grossly exceeded.

Analysis was performed within the method holding time of 24 hours from collection for Hexavalent Chromium aqueous analysis. Aqueous samples for Cyanide were distilled and analyzed within the allowable holding time.

7.2 Calibration

Acceptable ICVs and CCVs were analyzed yielding recovery values between 90-110%. No qualifications were applied based upon calibration data.

7.3 Blanks

Quality assurance (QA) blanks, i.e. method, field or preparation blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Preparation blanks measure laboratory contamination. Field blanks measure cross-contamination of samples during field operations.

Acceptable method blanks, ICBs and CCBs were analyzed.

7.4 Spiked Sample Recovery

The spike data are generated to determine the long-term precision and accuracy of the analytical method in various matrices.

MW-1B resulted in acceptable Cyanide and Hexavalent Chromium recovery and RPD.

7.5 Laboratory/Field Duplicates

The laboratory uses duplicate sample determinations to demonstrate acceptable method precision at the time of analysis. Duplicate analyses are also performed to generate data to determine the long-term precision of the analytical method on various matrices.

Acceptable RPD was observed for laboratory duplicate analyses. Field Duplicate was not required for Cyanide or Hexavalent Chromium.

7.6 Laboratory Control Sample

The laboratory Control Sample (LCS) serves as a monitor of the overall performance of each step during the analysis, including the sample preparation. Aqueous and solid Laboratory Control samples shall be analyzed for each analyte utilizing the same sample preparation, analytical methods and QA/QC procedures as employed for the samples.

Acceptable LCS and LCS Duplicate was analyzed.

7.7 Sample Results Verification

Analyte quantitation was generated in accordance with protocols. The instrument logs were verified and found within the linear ranges of the instrument used for quantitation.

7.8 Overall Assessment of Data

The data was of acceptable quality.

Reviewer's Signature Lou A. Bely Date 09/15/2018

**Appendix A
Chain of Custody
Documents**



Sample Delivery Group Summary

Alpha Job Number : L1826668

Received : 12-JUL-2018
Reviewer : Richard Scott

Account Name : Tenen Environmental, LLC
Project Number : 2135 WESTCHESTER AVE
Project Name : 2135 WESTCHESTER AVE.

Delivery Information

Samples Delivered By : Alpha Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	3.6	
B	Absent/	Ice	2.6	
C	Absent/	Ice	3.1	
D	Absent/	Ice	5.6	
E	Absent/	Ice	2.6	
F	Absent/	Ice	4.1	
G	Absent/	Ice	3.0	

Condition Information

All samples on COC received? YES

Extra samples received? NO

Are there any sample container discrepancies? YES

L1826668-07T (HOLD-WETCHEM) was received in extra container.

L1826668-07T1 (HOLD-WETCHEM) was received in extra container.

L1826668-07T2 (HOLD-WETCHEM) was received in extra container.

L1826668-08T (HOLD-WETCHEM) was received in extra container.

Are there any discrepancies between sample labels & COC? NO

Are samples in appropriate containers for requested analysis? YES

Are samples properly preserved for requested analysis? YES

Are samples within holding time for requested analysis? YES

All sampling equipment returned? NA

Volatile Organics/MPH



Sample Delivery Group Summary

Alpha Job Number : L1826668

Received : 12-JUL-2018

Reviewer : Richard Scott

Account Name : Tenen Environmental, LLC

Project Number : 2135 WESTCHESTER AVE

Project Name : 2135 WESTCHESTER AVE.

Reagent Water Vials Frozen by Client?

NO

**Appendix B
Case Narrative**

Project Name: 2135 WESTCHESTER AVE.
Project Number: 2135 WESTCHESTER AVE

Lab Number: L1826668
Report Date: 07/23/18

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. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated 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.

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 table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

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 Client Service Representative 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 Client Services at 800-624-9220 with any questions.

Project Name: 2135 WESTCHESTER AVE.
Project Number: 2135 WESTCHESTER AVE

Lab Number: L1826668
Report Date: 07/23/18

Case Narrative (continued)

Report Submission

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

Sample Receipt

L1826668-07 and -08: Containers for Total Cyanide were received for the "MW-1B" and "MW-1" samples, but were not listed on the chain of custody. The analysis was performed at the client's request.

Volatile Organics

The WG1136642-8/-9 MS/MSD recoveries, performed on L1826668-07, are outside the acceptance criteria for trichloroethene (0%/0%). The unacceptable percent recoveries are attributed to the elevated concentration of target compound present in the native sample.

Perfluorinated Alkyl Acids by Isotope Dilution

L1826668-01 through -08 and WG1135994QC: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

The WG1135994-2/-3 LCS/LCSD RPD, associated with L1826668-01 through -08, is above the acceptance criteria for perfluorooctanesulfonamide (fosa) (32%).

The continuing calibration standard WG1136327-2, associated with L1826668 as well as the associated QC, had the response for Perfluorodecanesulfonic Acid (PFDS) (69.1%D) outside the acceptance criteria for the method. These compounds represented less than 10% of the total analytes evaluated, and the %D were within 60-140%; therefore, analysis proceeded.

CCALS: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Since the associated target analytes were within acceptance criteria, no actions were taken and analysis proceeded.

Total Metals

The WG1136849-3/-4 MS/MSD recoveries for calcium (71%/66%) and manganese (43%/34%), performed on

John
9/10/18



Project Name: 2135 WESTCHESTER AVE.
Project Number: 2135 WESTCHESTER AVE

Lab Number: L1826668
Report Date: 07/23/18

Case Narrative (continued)

L1826668-07, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG1136849-4 MSD recovery, performed on L1826668-07, is outside the acceptance criteria for sodium (64%). A post digestion spike was performed and was within acceptance criteria.

Dissolved Metals

The WG1136581-1 Method Blank, associated with L1826668-07 and -08, has a concentration above the reporting limit for aluminum. Since the samples were non-detect to the RL for this target analyte, no further actions were taken. The results of the original analysis are reported.

The WG1136581-3 MS recovery for calcium (67%), performed on L1826668-07, does not apply because the sample concentration is greater than four times the spike amount added.

The WG1136581-3 MS recovery, performed on L1826668-07, is outside the acceptance criteria for iron (127%). A post digestion spike was performed and was within acceptance criteria.

The WG1136581-4 MSD recovery, performed on L1826668-07, is outside the acceptance criteria for sodium (171%). A post digestion spike was performed and was within acceptance criteria.

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

Authorized Signature:

Michelle M. Monis

Report Date: 07/23/18

Title: Technical Director/Representative

**Appendix C
Validated Form I's
With Qualifications**

Form 1 VOA

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER AVE.
 Lab ID : L1826668-01
 Client ID : MW-3S
 Sample Location : BRONX, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VE180715A14
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1826668
 Project Number : 2135 WESTCHESTER AVE
 Date Collected : 07/12/18 13:20
 Date Received : 07/12/18
 Date Analyzed : 07/16/18 16:58
 Dilution Factor : 1
 Analyst : AD
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	0.71	2.5	0.70	J
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	5.6	0.50	0.18	
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

for 9/6/18



Form 1 VOA

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER AVE.
 Lab ID : L1826668-01
 Client ID : MW-3S
 Sample Location : BRONX, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VE180715A14
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1826668
 Project Number : 2135 WESTCHESTER AVE
 Date Collected : 07/12/18 13:20
 Date Received : 07/12/18
 Date Analyzed : 07/16/18 16:58
 Dilution Factor : 1
 Analyst : AD
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	0.48	0.50	0.18	J
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	7.8	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U



for 9/6/18

Form 1 VOA

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER AVE.
 Lab ID : L1826668-01
 Client ID : MW-3S
 Sample Location : BRONX, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VE180715A14
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1826668
 Project Number : 2135 WESTCHESTER AVE
 Date Collected : 07/12/18 13:20
 Date Received : 07/12/18
 Date Analyzed : 07/16/18 16:58
 Dilution Factor : 1
 Analyst : AD
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U UJ
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U UJ
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U R
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Form 1 VOA

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER AVE.
 Lab ID : L1826668-02
 Client ID : MW-2
 Sample Location : BRONX, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VE180715A15
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1826668
 Project Number : 2135 WESTCHESTER AVE
 Date Collected : 07/12/18 11:25
 Date Received : 07/12/18
 Date Analyzed : 07/16/18 17:35
 Dilution Factor : 1
 Analyst : AD
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	8.0	0.50	0.18	
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	0.47	0.50	0.13	J
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	1.1	0.50	0.16	
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Form 1 VOA

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER AVE.
 Lab ID : L1826668-02
 Client ID : MW-2
 Sample Location : BRONX, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VE180715A15
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1826668
 Project Number : 2135 WESTCHESTER AVE
 Date Collected : 07/12/18 11:25
 Date Received : 07/12/18
 Date Analyzed : 07/16/18 17:35
 Dilution Factor : 1
 Analyst : AD
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	27	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	5.0	2.5	0.70	
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	46	2.5	0.70	
540-59-0	1,2-Dichloroethene, Total	46	2.5	0.70	
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND 2.3	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U

Signature
9/16/18



Form 1 VOA

Client : Tenen Environmental, LLC
Project Name : 2135 WESTCHESTER AVE.
Lab ID : L1826668-02
Client ID : MW-2
Sample Location : BRONX, NY
Sample Matrix : WATER
Analytical Method : 1,8260C
Lab File ID : VE180715A15
Sample Amount : 10 ml
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1826668
Project Number : 2135 WESTCHESTER AVE
Date Collected : 07/12/18 11:25
Date Received : 07/12/18
Date Analyzed : 07/16/18 17:35
Dilution Factor : 1
Analyst : AD
Instrument ID : ELAINE
GC Column : RTX-502.2
%Solids : N/A
Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U UJ
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U UJ
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U R
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Form 1 VOA

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER AVE.
 Lab ID : L1826668-03
 Client ID : MW-4B
 Sample Location : BRONX, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VE180715A16
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1826668
 Project Number : 2135 WESTCHESTER AVE
 Date Collected : 07/12/18 13:25
 Date Received : 07/12/18
 Date Analyzed : 07/16/18 18:13
 Dilution Factor : 1
 Analyst : AD
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethane	ND	0.50	0.17	U

Form 1 VOA

Client : Tenen Environmental, LLC
Project Name : 2135 WESTCHESTER AVE.
Lab ID : L1826668-03
Client ID : MW-4B
Sample Location : BRONX, NY
Sample Matrix : WATER
Analytical Method : 1,8260C
Lab File ID : VE180715A16
Sample Amount : 10 ml
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1826668
Project Number : 2135 WESTCHESTER AVE
Date Collected : 07/12/18 13:25
Date Received : 07/12/18
Date Analyzed : 07/16/18 18:13
Dilution Factor : 1
Analyst : AD
Instrument ID : ELAINE
GC Column : RTX-502.2
%Solids : N/A
Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	0.20	0.50	0.18	J
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND 1.5	5.0	1.5	J U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U

For 9/6/18



Form 1 VOA

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER AVE.
 Lab ID : L1826668-03
 Client ID : MW-4B
 Sample Location : BRONX, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VE180715A16
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1826668
 Project Number : 2135 WESTCHESTER AVE
 Date Collected : 07/12/18 13:25
 Date Received : 07/12/18
 Date Analyzed : 07/16/18 18:13
 Dilution Factor : 1
 Analyst : AD
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	0.82	2.5	0.70	J
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U UJ
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U UJ
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U R
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Form 1 VOA

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER AVE.
 Lab ID : L1826668-04
 Client ID : MW-4B DUP
 Sample Location : BRONX, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VE180715A17
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1826668
 Project Number : 2135 WESTCHESTER AVE
 Date Collected : 07/12/18 13:40
 Date Received : 07/12/18
 Date Analyzed : 07/16/18 18:51
 Dilution Factor : 1
 Analyst : AD
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Form 1 VOA

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER AVE.
 Lab ID : L1826668-04
 Client ID : MW-4B DUP
 Sample Location : BRONX, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VE180715A17
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1826668
 Project Number : 2135 WESTCHESTER AVE
 Date Collected : 07/12/18 13:40
 Date Received : 07/12/18
 Date Analyzed : 07/16/18 18:51
 Dilution Factor : 1
 Analyst : AD
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U

Form 1 VOA

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER AVE.
 Lab ID : L1826668-04
 Client ID : MW-4B DUP
 Sample Location : BRONX, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VE180715A17
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1826668
 Project Number : 2135 WESTCHESTER AVE
 Date Collected : 07/12/18 13:40
 Date Received : 07/12/18
 Date Analyzed : 07/16/18 18:51
 Dilution Factor : 1
 Analyst : AD
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	0.85	2.5	0.70	J
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U UJ
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U UJ
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U R
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Form 1 VOA

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER AVE.
 Lab ID : L1826668-05
 Client ID : MW-4S
 Sample Location : BRONX, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VE180715A18
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1826668
 Project Number : 2135 WESTCHESTER AVE
 Date Collected : 07/12/18 15:00
 Date Received : 07/12/18
 Date Analyzed : 07/16/18 19:29
 Dilution Factor : 1
 Analyst : AD
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromofom	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

9/6/18

Form 1 VOA

Client : Tenen Environmental, LLC
Project Name : 2135 WESTCHESTER AVE.
Lab ID : L1826668-05
Client ID : MW-4S
Sample Location : BRONX, NY
Sample Matrix : WATER
Analytical Method : 1,8260C
Lab File ID : VE180715A18
Sample Amount : 10 ml
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1826668
Project Number : 2135 WESTCHESTER AVE
Date Collected : 07/12/18 15:00
Date Received : 07/12/18
Date Analyzed : 07/16/18 19:29
Dilution Factor : 1
Analyst : AD
Instrument ID : ELAINE
GC Column : RTX-502.2
%Solids : N/A
Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	J
75-15-0	Carbon disulfide	1.1	5.0	1.0	J
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U

for 7/16/18



Form 1 VOA

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER AVE.
 Lab ID : L1826668-05
 Client ID : MW-4S
 Sample Location : BRONX, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VE180715A18
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1826668
 Project Number : 2135 WESTCHESTER AVE
 Date Collected : 07/12/18 15:00
 Date Received : 07/12/18
 Date Analyzed : 07/16/18 19:29
 Dilution Factor : 1
 Analyst : AD
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U UJ
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U UJ
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U R
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

for 9/16/18



Form 1 VOA

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER AVE.
 Lab ID : L1826668-07D
 Client ID : MW-1B
 Sample Location : BRONX, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VE180717A08
 Sample Amount : 0.5 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1826668
 Project Number : 2135 WESTCHESTER AVE
 Date Collected : 07/12/18 09:35
 Date Received : 07/12/18
 Date Analyzed : 07/17/18 12:09
 Dilution Factor : 20
 Analyst : AD
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	50	14.	U
75-34-3	1,1-Dichloroethane	ND	50	14.	U
67-66-3	Chloroform	ND	50	14.	U
56-23-5	Carbon tetrachloride	ND	10	2.7	U
78-87-5	1,2-Dichloropropane	ND	20	2.7	U
124-48-1	Dibromochloromethane	ND	10	3.0	U
79-00-5	1,1,2-Trichloroethane	ND	30	10.	U
127-18-4	Tetrachloroethene	800	10	3.6	
108-90-7	Chlorobenzene	ND	50	14.	U
75-69-4	Trichlorofluoromethane	ND	50	14.	U
107-06-2	1,2-Dichloroethane	ND	10	2.6	U
71-55-6	1,1,1-Trichloroethane	ND	50	14.	U
75-27-4	Bromodichloromethane	ND	10	3.8	U
10061-02-6	trans-1,3-Dichloropropene	ND	10	3.3	U
10061-01-5	cis-1,3-Dichloropropene	ND	10	2.9	U
542-75-6	1,3-Dichloropropene, Total	ND	10	2.9	U
563-58-6	1,1-Dichloropropene	ND	50	14.	U
75-25-2	Bromoform	ND	40	13.	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	3.3	U
71-43-2	Benzene	ND	10	3.2	U
108-88-3	Toluene	ND	50	14.	U
100-41-4	Ethylbenzene	ND	50	14.	U
74-87-3	Chloromethane	ND	50	14.	U
74-83-9	Bromomethane	ND	50	14.	U
75-01-4	Vinyl chloride	2.9	20	1.4	J
75-00-3	Chloroethane	ND	50	14.	U
75-35-4	1,1-Dichloroethene	ND	10	3.4	U

for 9/18/18



Form 1 VOA

Client : Tenen Environmental, LLC
Project Name : 2135 WESTCHESTER AVE.
Lab ID : L1826668-07D
Client ID : MW-1B
Sample Location : BRONX, NY
Sample Matrix : WATER
Analytical Method : 1,8260C
Lab File ID : VE180717A08
Sample Amount : 0.5 ml
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1826668
Project Number : 2135 WESTCHESTER AVE
Date Collected : 07/12/18 09:35
Date Received : 07/12/18
Date Analyzed : 07/17/18 12:09
Dilution Factor : 20
Analyst : AD
Instrument ID : ELAINE
GC Column : RTX-502.2
%Solids : N/A
Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	76	50	14.	
79-01-6	Trichloroethene	1900	10	3.5	
95-50-1	1,2-Dichlorobenzene	ND	50	14.	U
541-73-1	1,3-Dichlorobenzene	ND	50	14.	U
106-46-7	1,4-Dichlorobenzene	ND	50	14.	U
1634-04-4	Methyl tert butyl ether	ND	50	14.	U
179601-23-1	p/m-Xylene	ND	50	14.	U
95-47-6	o-Xylene	ND	50	14.	U
1330-20-7	Xylenes, Total	ND	50	14.	U
156-59-2	cis-1,2-Dichloroethene	420	50	14.	
540-59-0	1,2-Dichloroethene, Total	500	50	14.	
74-95-3	Dibromomethane	ND	100	20.	U
96-18-4	1,2,3-Trichloropropane	ND	50	14.	U
107-13-1	Acrylonitrile	ND	100	30.	U
100-42-5	Styrene	ND	50	14.	U
75-71-8	Dichlorodifluoromethane	ND	100	20.	U
67-64-1	Acetone	ND	100	29.	U
75-15-0	Carbon disulfide	ND	100	20.	U
78-93-3	2-Butanone	ND	100	39.	U
108-05-4	Vinyl acetate	ND	100	20.	U
108-10-1	4-Methyl-2-pentanone	ND	100	20.	U
591-78-6	2-Hexanone	ND	100	20.	U
74-97-5	Bromochloromethane	ND	50	14.	U
594-20-7	2,2-Dichloropropane	ND	50	14.	U
106-93-4	1,2-Dibromoethane	ND	40	13.	U
142-28-9	1,3-Dichloropropane	ND	50	14.	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	50	14.	U

For 9/16/18



Form 1 VOA

Client : Tenen Environmental, LLC
Project Name : 2135 WESTCHESTER AVE.
Lab ID : L1826668-07D
Client ID : MW-1B
Sample Location : BRONX, NY
Sample Matrix : WATER
Analytical Method : 1,8260C
Lab File ID : VE180717A08
Sample Amount : 0.5 ml
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1826668
Project Number : 2135 WESTCHESTER AVE
Date Collected : 07/12/18 09:35
Date Received : 07/12/18
Date Analyzed : 07/17/18 12:09
Dilution Factor : 20
Analyst : AD
Instrument ID : ELAINE
GC Column : RTX-502.2
%Solids : N/A
Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
108-86-1	Bromobenzene	ND	50	14.	U
104-51-8	n-Butylbenzene	ND	50	14.	U
135-98-8	sec-Butylbenzene	ND	50	14.	U
98-06-6	tert-Butylbenzene	ND	50	14.	U
95-49-8	o-Chlorotoluene	ND	50	14.	U
106-43-4	p-Chlorotoluene	ND	50	14.	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	50	14.	U
87-68-3	Hexachlorobutadiene	ND	50	14.	U
98-82-8	Isopropylbenzene	ND	50	14.	U
99-87-6	p-Isopropyltoluene	ND	50	14.	U
91-20-3	Naphthalene	ND	50	14.	U UJ
103-65-1	n-Propylbenzene	ND	50	14.	U
87-61-6	1,2,3-Trichlorobenzene	ND	50	14.	U UJ
120-82-1	1,2,4-Trichlorobenzene	ND	50	14.	U
108-67-8	1,3,5-Trimethylbenzene	ND	50	14.	U
95-63-6	1,2,4-Trimethylbenzene	ND	50	14.	U
123-91-1	1,4-Dioxane	ND	5000	1200	U R
105-05-5	p-Diethylbenzene	ND	40	14.	U
622-96-8	p-Ethyltoluene	ND	40	14.	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	40	11.	U
60-29-7	Ethyl ether	ND	50	14.	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	50	14.	U

Form 1 VOA

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER AVE.
 Lab ID : L1826668-08D
 Client ID : MW-1
 Sample Location : BRONX, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VE180715A19
 Sample Amount : 0.5 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1826668
 Project Number : 2135 WESTCHESTER AVE
 Date Collected : 07/12/18 11:20
 Date Received : 07/12/18
 Date Analyzed : 07/16/18 20:06
 Dilution Factor : 20
 Analyst : AD
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	50	14.	U
75-34-3	1,1-Dichloroethane	ND	50	14.	U
67-66-3	Chloroform	ND	50	14.	U
56-23-5	Carbon tetrachloride	ND	10	2.7	U
78-87-5	1,2-Dichloropropane	ND	20	2.7	U
124-48-1	Dibromochloromethane	ND	10	3.0	U
79-00-5	1,1,2-Trichloroethane	ND	30	10.	U
127-18-4	Tetrachloroethene	1300	10	3.6	
108-90-7	Chlorobenzene	ND	50	14.	U
75-69-4	Trichlorofluoromethane	ND	50	14.	U
107-06-2	1,2-Dichloroethane	ND	10	2.6	U
71-55-6	1,1,1-Trichloroethane	ND	50	14.	U
75-27-4	Bromodichloromethane	ND	10	3.8	U
10061-02-6	trans-1,3-Dichloropropene	ND	10	3.3	U
10061-01-5	cis-1,3-Dichloropropene	ND	10	2.9	U
542-75-6	1,3-Dichloropropene, Total	ND	10	2.9	U
563-58-6	1,1-Dichloropropene	ND	50	14.	U
75-25-2	Bromoform	ND	40	13.	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	3.3	U
71-43-2	Benzene	ND	10	3.2	U
108-88-3	Toluene	ND	50	14.	U
100-41-4	Ethylbenzene	ND	50	14.	U
74-87-3	Chloromethane	ND	50	14.	U
74-83-9	Bromomethane	ND	50	14.	U
75-01-4	Vinyl chloride	ND	20	1.4	U
75-00-3	Chloroethane	ND	50	14.	U
75-35-4	1,1-Dichloroethene	ND	10	3.4	U

Form 1 VOA

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER AVE.
 Lab ID : L1826668-08D
 Client ID : MW-1
 Sample Location : BRONX, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VE180715A19
 Sample Amount : 0.5 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1826668
 Project Number : 2135 WESTCHESTER AVE
 Date Collected : 07/12/18 11:20
 Date Received : 07/12/18
 Date Analyzed : 07/16/18 20:06
 Dilution Factor : 20
 Analyst : AD
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	50	14.	U
79-01-6	Trichloroethene	170	10	3.5	
95-50-1	1,2-Dichlorobenzene	ND	50	14.	U
541-73-1	1,3-Dichlorobenzene	ND	50	14.	U
106-46-7	1,4-Dichlorobenzene	ND	50	14.	U
1634-04-4	Methyl tert butyl ether	ND	50	14.	U
179601-23-1	p/m-Xylene	ND	50	14.	U
95-47-6	o-Xylene	ND	50	14.	U
1330-20-7	Xylenes, Total	ND	50	14.	U
156-59-2	cis-1,2-Dichloroethene	47	50	14.	J
540-59-0	1,2-Dichloroethene, Total	47	50	14.	J
74-95-3	Dibromomethane	ND	100	20.	U
96-18-4	1,2,3-Trichloropropane	ND	50	14.	U
107-13-1	Acrylonitrile	ND	100	30.	U
100-42-5	Styrene	ND	50	14.	U
75-71-8	Dichlorodifluoromethane	ND	100	20.	U
67-64-1	Acetone	ND	100	29.	U
75-15-0	Carbon disulfide	ND	100	20.	U
78-93-3	2-Butanone	ND	100	39.	U
108-05-4	Vinyl acetate	ND	100	20.	U
108-10-1	4-Methyl-2-pentanone	ND	100	20.	U
591-78-6	2-Hexanone	ND	100	20.	U
74-97-5	Bromochloromethane	ND	50	14.	U
594-20-7	2,2-Dichloropropane	ND	50	14.	U
106-93-4	1,2-Dibromoethane	ND	40	13.	U
142-28-9	1,3-Dichloropropane	ND	50	14.	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	50	14.	U

for 9/6/18



Form 1 VOA

Client : Tenen Environmental, LLC
Project Name : 2135 WESTCHESTER AVE.
Lab ID : L1826668-08D
Client ID : MW-1
Sample Location : BRONX, NY
Sample Matrix : WATER
Analytical Method : 1,8260C
Lab File ID : VE180715A19
Sample Amount : 0.5 ml
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1826668
Project Number : 2135 WESTCHESTER AVE
Date Collected : 07/12/18 11:20
Date Received : 07/12/18
Date Analyzed : 07/16/18 20:06
Dilution Factor : 20
Analyst : AD
Instrument ID : ELAINE
GC Column : RTX-502.2
%Solids : N/A
Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
108-86-1	Bromobenzene	ND	50	14.	U
104-51-8	n-Butylbenzene	ND	50	14.	U
135-98-8	sec-Butylbenzene	ND	50	14.	U
98-06-6	tert-Butylbenzene	ND	50	14.	U
95-49-8	o-Chlorotoluene	ND	50	14.	U
106-43-4	p-Chlorotoluene	ND	50	14.	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	50	14.	U
87-68-3	Hexachlorobutadiene	ND	50	14.	U
98-82-8	Isopropylbenzene	ND	50	14.	U
99-87-6	p-Isopropyltoluene	ND	50	14.	U
91-20-3	Naphthalene	ND	50	14.	U UJ
103-65-1	n-Propylbenzene	ND	50	14.	U
87-61-6	1,2,3-Trichlorobenzene	ND	50	14.	U UJ
120-82-1	1,2,4-Trichlorobenzene	ND	50	14.	U
108-67-8	1,3,5-Trimethylbenzene	ND	50	14.	U
95-63-6	1,2,4-Trimethylbenzene	ND	50	14.	U
123-91-1	1,4-Dioxane	ND	5000	1200	U R
105-05-5	p-Diethylbenzene	ND	40	14.	U
622-96-8	p-Ethyltoluene	ND	40	14.	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	40	11.	U
60-29-7	Ethyl ether	ND	50	14.	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	50	14.	U

for
9/6/18



Form 1 VOA

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER AVE.
 Lab ID : L1826668-09
 Client ID : TRIP BLANK
 Sample Location : BRONX, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VE180717A07
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1826668
 Project Number : 2135 WESTCHESTER AVE
 Date Collected : 07/12/18 00:00
 Date Received : 07/12/18
 Date Analyzed : 07/17/18 11:31
 Dilution Factor : 1
 Analyst : AD
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Long 6/1/18



Form 1 VOA

Client : Tenen Environmental, LLC
Project Name : 2135 WESTCHESTER AVE.
Lab ID : L1826668-09
Client ID : TRIP BLANK
Sample Location : BRONX, NY
Sample Matrix : WATER
Analytical Method : 1,8260C
Lab File ID : VE180717A07
Sample Amount : 10 ml
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1826668
Project Number : 2135 WESTCHESTER AVE
Date Collected : 07/12/18 00:00
Date Received : 07/12/18
Date Analyzed : 07/17/18 11:31
Dilution Factor : 1
Analyst : AD
Instrument ID : ELAINE
GC Column : RTX-502.2
%Solids : N/A
Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	3.0	5.0	1.5	J
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U

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9/6/18



Form 1 VOA

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER AVE.
 Lab ID : L1826668-09
 Client ID : TRIP BLANK
 Sample Location : BRONX, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VE180717A07
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1826668
 Project Number : 2135 WESTCHESTER AVE
 Date Collected : 07/12/18 00:00
 Date Received : 07/12/18
 Date Analyzed : 07/17/18 11:31
 Dilution Factor : 1
 Analyst : AD
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U UJ
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U UJ
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U R
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

For 9/16/18



Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER AVE.
 Lab ID : L1826668-07
 Client ID : MW-1B
 Sample Location : BRONX, NY
 Sample Matrix : WATER
 Analytical Method : 1,8270D
 Lab File ID : 26668-07
 Sample Amount : 275 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L1826668
 Project Number : 2135 WESTCHESTER AVE
 Date Collected : 07/12/18 09:35
 Date Received : 07/12/18
 Date Analyzed : 07/18/18 18:47
 Date Extracted : 07/17/18
 Dilution Factor : 1
 Analyst : SZ
 Instrument ID : SV106
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.50	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.50	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.45	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.40	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.43	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.6	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	1.2	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.93	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.49	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.38	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.53	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.50	U
77-47-4	Hexachlorocyclopentadiene	ND	20	0.69	U
78-59-1	Isophorone	ND	5.0	1.2	U
98-95-3	Nitrobenzene	ND	2.0	0.77	U
86-30-6	NDPA/DPA	ND	2.0	0.42	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.64	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.5	U
85-68-7	Butyl benzyl phthalate	ND	5.0	1.2	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.39	U
117-84-0	Di-n-octylphthalate	ND	5.0	1.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.38	U
131-11-3	Dimethyl phthalate	ND	5.0	1.8	U
92-52-4	Biphenyl	ND	2.0	0.46	U

for 9/16/18



Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER AVE.
 Lab ID : L1826668-07
 Client ID : MW-1B
 Sample Location : BRONX, NY
 Sample Matrix : WATER
 Analytical Method : 1,8270D
 Lab File ID : 26668-07
 Sample Amount : 275 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L1826668
 Project Number : 2135 WESTCHESTER AVE
 Date Collected : 07/12/18 09:35
 Date Received : 07/12/18
 Date Analyzed : 07/18/18 18:47
 Date Extracted : 07/17/18
 Dilution Factor : 1
 Analyst : SZ
 Instrument ID : SV106
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
106-47-8	4-Chloroaniline	ND	5.0	1.1	U UJ
88-74-4	2-Nitroaniline	ND	5.0	0.50	U
99-09-2	3-Nitroaniline	ND	5.0	0.81	U
100-01-6	4-Nitroaniline	ND	5.0	0.80	U
132-64-9	Dibenzofuran	ND	2.0	0.50	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.44	U
98-86-2	Acetophenone	ND	5.0	0.53	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.61	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.35	U
95-57-8	2-Chlorophenol	ND	2.0	0.48	U
120-83-2	2,4-Dichlorophenol	ND	5.0	0.41	U
105-67-9	2,4-Dimethylphenol	ND	5.0	1.8	U
88-75-5	2-Nitrophenol	ND	10	0.85	U
100-02-7	4-Nitrophenol	ND	10	0.67	U
51-28-5	2,4-Dinitrophenol	ND	20	6.6	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	1.8	U
108-95-2	Phenol	ND	5.0	0.57	U
95-48-7	2-Methylphenol	ND	5.0	0.49	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	0.48	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	0.77	U
65-85-0	Benzoic Acid	21.	50	2.6	J J+
100-51-6	Benzyl Alcohol	ND	2.0	0.59	U
86-74-8	Carbazole	ND	2.0	0.49	U

for 9/16/18



Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER AVE.
 Lab ID : L1826668-07
 Client ID : MW-1B
 Sample Location : BRONX, NY
 Sample Matrix : WATER
 Analytical Method : 1,8270D-SIM
 Lab File ID : 26668-07
 Sample Amount : 275 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L1826668
 Project Number : 2135 WESTCHESTER AVE
 Date Collected : 07/12/18 09:35
 Date Received : 07/12/18
 Date Analyzed : 07/18/18 20:12
 Date Extracted : 07/17/18
 Dilution Factor : 1
 Analyst : DV
 Instrument ID : SV118
 GC Column : RXI-5SiIM
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	0.10	0.01	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	0.22	0.10	0.02	
87-68-3	Hexachlorobutadiene	ND	0.50	0.05	U
91-20-3	Naphthalene	0.24	0.10	0.05	
56-55-3	Benzo(a)anthracene	0.06	0.10	0.02	J
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.01	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.01	U
218-01-9	Chrysene	0.05	0.10	0.01	J
208-96-8	Acenaphthylene	ND	0.10	0.01	U
120-12-7	Anthracene	0.03	0.10	0.01	J
191-24-2	Benzo(ghi)perylene	ND	0.10	0.01	U
86-73-7	Fluorene	0.04	0.10	0.01	J
85-01-8	Phenanthrene	0.14	0.10	0.02	
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.01	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.01	U
129-00-0	Pyrene	0.24	0.10	0.02	
91-57-6	2-Methylnaphthalene	0.07	0.10	0.02	J
87-86-5	Pentachlorophenol	ND	0.80	0.01	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.06	U

for 9/6/18



Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER AVE.
 Lab ID : L1826668-08
 Client ID : MW-1
 Sample Location : BRONX, NY
 Sample Matrix : WATER
 Analytical Method : 1,8270D
 Lab File ID : 26668-08
 Sample Amount : 275 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L1826668
 Project Number : 2135 WESTCHESTER AVE
 Date Collected : 07/12/18 11:20
 Date Received : 07/12/18
 Date Analyzed : 07/18/18 17:04
 Date Extracted : 07/17/18
 Dilution Factor : 1
 Analyst : SZ
 Instrument ID : SV106
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.50	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.50	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.45	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.40	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.43	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.6	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	1.2	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.93	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.49	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.38	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.53	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.50	U
77-47-4	Hexachlorocyclopentadiene	ND	20	0.69	U
78-59-1	Isophorone	ND	5.0	1.2	U
98-95-3	Nitrobenzene	ND	2.0	0.77	U
86-30-6	NDPA/DPA	ND	2.0	0.42	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.64	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.5	U
85-68-7	Butyl benzyl phthalate	ND	5.0	1.2	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.39	U
117-84-0	Di-n-octylphthalate	ND	5.0	1.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.38	U
131-11-3	Dimethyl phthalate	ND	5.0	1.8	U
92-52-4	Biphenyl	ND	2.0	0.46	U

for 9/16/18



Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER AVE.
 Lab ID : L1826668-08
 Client ID : MW-1
 Sample Location : BRONX, NY
 Sample Matrix : WATER
 Analytical Method : 1,8270D
 Lab File ID : 26668-08
 Sample Amount : 275 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L1826668
 Project Number : 2135 WESTCHESTER AVE
 Date Collected : 07/12/18 11:20
 Date Received : 07/12/18
 Date Analyzed : 07/18/18 17:04
 Date Extracted : 07/17/18
 Dilution Factor : 1
 Analyst : SZ
 Instrument ID : SV106
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
106-47-8	4-Chloroaniline	ND	5.0	1.1	U
88-74-4	2-Nitroaniline	ND	5.0	0.50	U
99-09-2	3-Nitroaniline	ND	5.0	0.81	U
100-01-6	4-Nitroaniline	ND	5.0	0.80	U
132-64-9	Dibenzofuran	ND	2.0	0.50	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.44	U
98-86-2	Acetophenone	ND	5.0	0.53	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.61	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.35	U
95-57-8	2-Chlorophenol	ND	2.0	0.48	U
120-83-2	2,4-Dichlorophenol	ND	5.0	0.41	U
105-67-9	2,4-Dimethylphenol	ND	5.0	1.8	U
88-75-5	2-Nitrophenol	ND	10	0.85	U
100-02-7	4-Nitrophenol	ND	10	0.67	U
51-28-5	2,4-Dinitrophenol	ND	20	6.6	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	1.8	U
108-95-2	Phenol	ND	5.0	0.57	U
95-48-7	2-Methylphenol	ND	5.0	0.49	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	0.48	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	0.77	U
65-85-0	Benzole Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.59	U
86-74-8	Carbazole	ND	2.0	0.49	U

Handwritten signature
 9/6/18



Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER AVE.
 Lab ID : L1826668-08
 Client ID : MW-1
 Sample Location : BRONX, NY
 Sample Matrix : WATER
 Analytical Method : 1,8270D-SIM
 Lab File ID : 26668-08
 Sample Amount : 275 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L1826668
 Project Number : 2135 WESTCHESTER AVE
 Date Collected : 07/12/18 11:20
 Date Received : 07/12/18
 Date Analyzed : 07/18/18 20:38
 Date Extracted : 07/17/18
 Dilution Factor : 1
 Analyst : DV
 Instrument ID : SV118
 GC Column : RXI-5SiLM
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	0.10	0.01	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.02	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.05	U
91-20-3	Naphthalene	ND	0.10	0.05	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.02	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.01	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.01	U
218-01-9	Chrysene	ND	0.10	0.01	U
208-96-8	Acenaphthylene	ND	0.10	0.01	U
120-12-7	Anthracene	ND	0.10	0.01	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.01	U
86-73-7	Fluorene	0.18	0.10	0.01	
85-01-8	Phenanthrene	ND	0.10	0.02	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.01	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.01	U
129-00-0	Pyrene	ND	0.10	0.02	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.02	U
87-86-5	Pentachlorophenol	ND	0.80	0.01	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.06	U

Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER AVE.
 Lab ID : L1826668-02
 Client ID : MW-2
 Sample Location : BRONX, NY
 Sample Matrix : WATER
 Analytical Method : 1,8270D-SIM
 Lab File ID : F607231805
 Sample Amount : 480 ml
 Extraction Method : EPA 3510C
 Extract Volume : 5000 uL
 GPC Cleanup : N

Lab Number : L1826668
 Project Number : 2135 WESTCHESTER AVE
 Date Collected : 07/12/18 11:25
 Date Received : 07/12/18
 Date Analyzed : 07/23/18 12:26
 Date Extracted : 07/19/18
 Dilution Factor : 1
 Analyst : TJ
 Instrument ID : GCMS6
 GC Column : RTX-5
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
123-91-1	1,4-Dioxane	ND	0.156	0.0781	U

Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER AVE.
 Lab ID : L1826668-03
 Client ID : MW-4B
 Sample Location : BRONX, NY
 Sample Matrix : WATER
 Analytical Method : 1,8270D-SIM
 Lab File ID : F607231806
 Sample Amount : 500 ml
 Extraction Method : EPA 3510C
 Extract Volume : 5000 uL
 GPC Cleanup : N

Lab Number : L1826668
 Project Number : 2135 WESTCHESTER AVE
 Date Collected : 07/12/18 13:25
 Date Received : 07/12/18
 Date Analyzed : 07/23/18 12:57
 Date Extracted : 07/19/18
 Dilution Factor : 1
 Analyst : TJ
 Instrument ID : GCMS6
 GC Column : RTX-5
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
123-91-1	1,4-Dioxane	ND	0.150	0.0750	U

Form 1
SemiVolatile Organics

Client : Tenen Environmental, LLC
Project Name : 2135 WESTCHESTER AVE.
Lab ID : L1826668-04
Client ID : MW-4B DUP
Sample Location : BRONX, NY
Sample Matrix : WATER
Analytical Method : 1,8270D-SIM
Lab File ID : F607231807
Sample Amount : 480 ml
Extraction Method : EPA 3510C
Extract Volume : 5000 uL
GPC Cleanup : N

Lab Number : L1826668
Project Number : 2135 WESTCHESTER AVE
Date Collected : 07/12/18 13:40
Date Received : 07/12/18
Date Analyzed : 07/23/18 13:27
Date Extracted : 07/19/18
Dilution Factor : 1
Analyst : TJ
Instrument ID : GCMS6
GC Column : RTX-5
%Solids : N/A
Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
123-91-1	1,4-Dioxane	ND	0.156	0.0781	U

for
9/6/18



Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER AVE.
 Lab ID : L1826668-05
 Client ID : MW-4S
 Sample Location : BRONX, NY
 Sample Matrix : WATER
 Analytical Method : 1,8270D-SIM
 Lab File ID : F607201832
 Sample Amount : 500 ml
 Extraction Method : EPA 3510C
 Extract Volume : 5000 uL
 GPC Cleanup : N

Lab Number : L1826668
 Project Number : 2135 WESTCHESTER AVE
 Date Collected : 07/12/18 15:00
 Date Received : 07/12/18
 Date Analyzed : 07/20/18 22:19
 Date Extracted : 07/19/18
 Dilution Factor : 1
 Analyst : TJ
 Instrument ID : GCMS6
 GC Column : RTX-5
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
123-91-1	1,4-Dioxane	ND	0.150	0.0750	U

for
9/6/18



Form 1
SemiVolatile Organics

Client : Tenen Environmental, LLC
Project Name : 2135 WESTCHESTER AVE.
Lab ID : L1826668-07
Client ID : MW-1B
Sample Location : BRONX, NY
Sample Matrix : WATER
Analytical Method : 1,8270D-SIM
Lab File ID : F607201833
Sample Amount : 480 ml
Extraction Method : EPA 3510C
Extract Volume : 5000 uL
GPC Cleanup : N

Lab Number : L1826668
Project Number : 2135 WESTCHESTER AVE
Date Collected : 07/12/18 09:35
Date Received : 07/12/18
Date Analyzed : 07/20/18 22:40
Date Extracted : 07/19/18
Dilution Factor : 1
Analyst : TJ
Instrument ID : GCMS6
GC Column : RTX-5
%Solids : N/A
Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
123-91-1	1,4-Dioxane	ND	0.156	0.0781	U

Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER AVE.
 Lab ID : L1826668-08
 Client ID : MW-1
 Sample Location : BRONX, NY
 Sample Matrix : WATER
 Analytical Method : 1,8270D-SIM
 Lab File ID : F607201836
 Sample Amount : 480 ml
 Extraction Method : EPA 3510C
 Extract Volume : 5000 uL
 GPC Cleanup : N

Lab Number : L1826668
 Project Number : 2135 WESTCHESTER AVE
 Date Collected : 07/12/18 11:20
 Date Received : 07/12/18
 Date Analyzed : 07/20/18 23:46
 Date Extracted : 07/19/18
 Dilution Factor : 1
 Analyst : TJ
 Instrument ID : GCMS6
 GC Column : RTX-5
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
123-91-1	1,4-Dioxane	ND	0.156	0.0781	U

Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER AVE.
 Lab ID : L1826668-01
 Client ID : MW-3S
 Sample Location : BRONX, NY
 Sample Matrix : WATER
 Analytical Method : 122,537(M)
 Lab File ID : I8667
 Sample Amount : 250 ml
 Extraction Method : EPA 537
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L1826668
 Project Number : 2135 WESTCHESTER AVE
 Date Collected : 07/12/18 13:20
 Date Received : 07/12/18
 Date Analyzed : 07/17/18 13:41
 Date Extracted : 07/16/18
 Dilution Factor : 1
 Analyst : AJ
 Instrument ID : LCMS01
 GC Column : Acquity UPLC BEH C18
 %Solids : N/A
 Injection Volume : 3 uL

CAS NO.	Parameter	ng/l			Qualifier
		Results	RL	MDL	
375-22-4	Perfluorobutanoic Acid (PFBA)	20.0	2.00	0.131	
2706-90-3	Perfluoropentanoic Acid (PFPeA)	38.9	2.00	0.086	
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	9.13	2.00	0.110	
307-24-4	Perfluorohexanoic Acid (PFHxA)	36.2	2.00	0.126	
375-85-9	Perfluoroheptanoic Acid (PFHpA)	19.8	2.00	0.092	
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	2.67	2.00	0.108	
335-67-1	Perfluorooctanoic Acid (PFOA)	45.4	2.00	0.050	
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	4.05	2.00	0.194	J+
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	2.00	0.155	U
375-95-1	Perfluorononanoic Acid (PFNA)	5.34	2.00	0.101	
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	22.9	2.00	0.112	
335-76-2	Perfluorodecanoic Acid (PFDA)	2.45	2.00	0.190	
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	2.00	0.291	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	2.00	0.250	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	0.376	2.00	0.191	J
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	2.00	0.222	U
754-91-6	Perfluorooctanesulfonamide (FOSA)	ND	2.00	0.227	U UJ
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.728	2.00	0.373	J
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	2.00	0.092	U
72629-94-8	Perfluorotridecanoic Acid (PFTriDA)	ND	2.00	0.090	U

for
9/6/18



Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER AVE.
 Lab ID : L1826668-01
 Client ID : MW-3S
 Sample Location : BRONX, NY
 Sample Matrix : WATER
 Analytical Method : 122,537(M)
 Lab File ID : I8667
 Sample Amount : 250 ml
 Extraction Method : EPA 537
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L1826668
 Project Number : 2135 WESTCHESTER AVE
 Date Collected : 07/12/18 13:20
 Date Received : 07/12/18
 Date Analyzed : 07/17/18 13:41
 Date Extracted : 07/16/18
 Dilution Factor : 1
 Analyst : AJ
 Instrument ID : LCMS01
 GC Column : Acquity UPLC BEH C18
 %Solids : N/A
 Injection Volume : 3 uL

CAS NO.	Parameter	ng/l			Qualifier
		Results	RL	MDL	
376-06-7	Perfluorotetradecanoic Acid (PFTA)	ND	2.00	0.072	U

for
9/6/18



Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER AVE.
 Lab ID : L1826668-02
 Client ID : MW-2
 Sample Location : BRONX, NY
 Sample Matrix : WATER
 Analytical Method : 122,537(M)
 Lab File ID : I8668
 Sample Amount : 270 ml
 Extraction Method : EPA 537
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L1826668
 Project Number : 2135 WESTCHESTER AVE
 Date Collected : 07/12/18 11:25
 Date Received : 07/12/18
 Date Analyzed : 07/17/18 13:58
 Date Extracted : 07/16/18
 Dilution Factor : 1
 Analyst : AJ
 Instrument ID : LCMS01
 GC Column : Acquity UPLC BEH C18
 %Solids : N/A
 Injection Volume : 3 uL

CAS NO.	Parameter	ng/l			Qualifier
		Results	RL	MDL	
375-22-4	Perfluorobutanoic Acid (PFBA)	12.0	1.85	0.121	
2706-90-3	Perfluoropentanoic Acid (PFPeA)	15.5	1.85	0.079	J +
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	2.72	1.85	0.102	
307-24-4	Perfluorohexanoic Acid (PFHxA)	16.1	1.85	0.117	
375-85-9	Perfluoroheptanoic Acid (PFHpA)	9.78	1.85	0.086	
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	15.4	1.85	0.100	
335-67-1	Perfluorooctanoic Acid (PFOA)	32.4	1.85	0.047	
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	4.37	1.85	0.180	J +
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	1.34	1.85	0.144	J
375-95-1	Perfluorononanoic Acid (PFNA)	4.98	1.85	0.093	
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	95.9	1.85	0.103	
335-76-2	Perfluorodecanoic Acid (PFDA)	4.27	1.85	0.176	
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	2.32	1.85	0.269	J +
2355-31-9	N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	18.6	1.85	0.232	
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	0.804	1.85	0.177	J
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	0.804	1.85	0.206	J
754-91-6	Perfluorooctanesulfonamide (FOSA)	3.77	1.85	0.210	J -
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEFOSAA)	4.41	1.85	0.345	
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.85	0.085	U
72629-94-8	Perfluorotridecanoic Acid (PFTTrDA)	ND	1.85	0.084	U

for
9/16/18



Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER AVE.
 Lab ID : L1826668-02
 Client ID : MW-2
 Sample Location : BRONX, NY
 Sample Matrix : WATER
 Analytical Method : 122,537(M)
 Lab File ID : I8668
 Sample Amount : 270 ml
 Extraction Method : EPA 537
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L1826668
 Project Number : 2135 WESTCHESTER AVE
 Date Collected : 07/12/18 11:25
 Date Received : 07/12/18
 Date Analyzed : 07/17/18 13:58
 Date Extracted : 07/16/18
 Dilution Factor : 1
 Analyst : AJ
 Instrument ID : LCMS01
 GC Column : Acquity UPLC BEH C18
 %Solids : N/A
 Injection Volume : 3 uL

CAS NO.	Parameter	ng/l			Qualifier
		Results	RL	MDL	
376-06-7	Perfluorotetradecanoic Acid (PFTA)	ND	1.85	0.067	U VJ

805
9/6/18



Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER AVE.
 Lab ID : L1826668-03
 Client ID : MW-4B
 Sample Location : BRONX, NY
 Sample Matrix : WATER
 Analytical Method : 122,537(M)
 Lab File ID : I8669
 Sample Amount : 260 ml
 Extraction Method : EPA 537
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L1826668
 Project Number : 2135 WESTCHESTER AVE
 Date Collected : 07/12/18 13:25
 Date Received : 07/12/18
 Date Analyzed : 07/17/18 14:14
 Date Extracted : 07/16/18
 Dilution Factor : 1
 Analyst : AJ
 Instrument ID : LCMS01
 GC Column : Acquity UPLC BEH C18
 %Solids : N/A
 Injection Volume : 3 uL

CAS NO.	Parameter	ng/l			Qualifier
		Results	RL	MDL	
375-22-4	Perfluorobutanoic Acid (PFBA)	19.4	1.92	0.126	
2706-90-3	Perfluoropentanoic Acid (PFPeA)	20.9	1.92	0.082	
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	6.99	1.92	0.106	
307-24-4	Perfluorohexanoic Acid (PFHxA)	24.7	1.92	0.122	
375-85-9	Perfluoroheptanoic Acid (PFHpA)	18.8	1.92	0.089	
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	9.28	1.92	0.103	
335-67-1	Perfluorooctanoic Acid (PFOA)	69.4	1.92	0.049	
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	2.29	1.92	0.186	
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.92	0.149	U
375-95-1	Perfluorononanoic Acid (PFNA)	1.41	1.92	0.097	J
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	10.9	1.92	0.107	
335-76-2	Perfluorodecanoic Acid (PFDA)	ND	1.92	0.183	U UJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	1.92	0.280	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	1.92	0.241	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.92	0.184	U UJ
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	1.92	0.214	U UJ
754-91-6	Perfluorooctanesulfonamide (FOSA)	ND	1.92	0.218	U UJ
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.92	0.358	U UJ
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.92	0.088	U UJ
72629-94-8	Perfluorotridecanoic Acid (PFTTrDA)	ND	1.92	0.087	U UJ

for
9/6/18



Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER AVE.
 Lab ID : L1826668-03
 Client ID : MW-4B
 Sample Location : BRONX, NY
 Sample Matrix : WATER
 Analytical Method : 122,537(M)
 Lab File ID : I8669
 Sample Amount : 260 ml
 Extraction Method : EPA 537
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L1826668
 Project Number : 2135 WESTCHESTER AVE
 Date Collected : 07/12/18 13:25
 Date Received : 07/12/18
 Date Analyzed : 07/17/18 14:14
 Date Extracted : 07/16/18
 Dilution Factor : 1
 Analyst : AJ
 Instrument ID : LCMS01
 GC Column : Acquity UPLC BEH C18
 %Solids : N/A
 Injection Volume : 3 uL

CAS NO.	Parameter	ng/l			Qualifier
		Results	RL	MDL	
376-06-7	Perfluorotetradecanoic Acid (PFTA)	ND	1.92	0.069	UJ UJ

Form 1 SemiVolatile Organics

Client : Tenen Environmental, LLC
Project Name : 2135 WESTCHESTER AVE.
Lab ID : L1826668-04
Client ID : MW-4B DUP
Sample Location : BRONX, NY
Sample Matrix : WATER
Analytical Method : 122,537(M)
Lab File ID : I8670
Sample Amount : 260 ml
Extraction Method : EPA 537
Extract Volume : 1000 uL
GPC Cleanup : N

Lab Number : L1826668
Project Number : 2135 WESTCHESTER AVE
Date Collected : 07/12/18 13:40
Date Received : 07/12/18
Date Analyzed : 07/17/18 14:31
Date Extracted : 07/16/18
Dilution Factor : 1
Analyst : AJ
Instrument ID : LCMS01
GC Column : Acquity UPLC BEH C18
%Solids : N/A
Injection Volume : 3 uL

CAS NO.	Parameter	ng/l			Qualifier
		Results	RL	MDL	
375-22-4	Perfluorobutanoic Acid (PFBA)	19.5	1.92	0.126	
2706-90-3	Perfluoropentanoic Acid (PFPeA)	21.1	1.92	0.082	
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	6.65	1.92	0.106	
307-24-4	Perfluorohexanoic Acid (PFHxA)	25.5	1.92	0.122	
375-85-9	Perfluoroheptanoic Acid (PFHpA)	18.6	1.92	0.089	
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	9.62	1.92	0.103	
335-67-1	Perfluorooctanoic Acid (PFOA)	70.4	1.92	0.049	
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	1.82	1.92	0.186	J J+
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.92	0.149	U
375-95-1	Perfluorononanoic Acid (PFNA)	1.78	1.92	0.097	J
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	10.6	1.92	0.107	
335-76-2	Perfluorodecanoic Acid (PFDA)	0.496	1.92	0.183	J
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	1.92	0.280	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND 0.688	1.92	0.241	J U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	0.673	1.92	0.184	J
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	0.665	1.92	0.214	J
754-91-6	Perfluorooctanesulfonamide (FOSA)	ND	1.92	0.218	U UJ
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.865	1.92	0.358	J
307-55-1	Perfluorododecanoic Acid (PFDoA)	0.723	1.92	0.088	J
72629-94-8	Perfluorotridecanoic Acid (PFTTrDA)	0.827	1.92	0.087	J

Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER AVE.
 Lab ID : L1826668-04
 Client ID : MW-4B DUP
 Sample Location : BRONX, NY
 Sample Matrix : WATER
 Analytical Method : 122,537(M)
 Lab File ID : I8670
 Sample Amount : 260 ml
 Extraction Method : EPA 537
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L1826668
 Project Number : 2135 WESTCHESTER AVE
 Date Collected : 07/12/18 13:40
 Date Received : 07/12/18
 Date Analyzed : 07/17/18 14:31
 Date Extracted : 07/16/18
 Dilution Factor : 1
 Analyst : AJ
 Instrument ID : LCMS01
 GC Column : Acquity UPLC BEH C18
 %Solids : N/A
 Injection Volume : 3 uL

CAS NO.	Parameter	ng/l			Qualifier
		Results	RL	MDL	
376-06-7	Perfluorotetradecanoic Acid (PFTA)	1.31	1.92	0.069	J

Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER AVE.
 Lab ID : L1826668-05
 Client ID : MW-4S
 Sample Location : BRONX, NY
 Sample Matrix : WATER
 Analytical Method : 122,537(M)
 Lab File ID : I8671
 Sample Amount : 270 ml
 Extraction Method : EPA 537
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L1826668
 Project Number : 2135 WESTCHESTER AVE
 Date Collected : 07/12/18 15:00
 Date Received : 07/12/18
 Date Analyzed : 07/17/18 14:48
 Date Extracted : 07/16/18
 Dilution Factor : 1
 Analyst : AJ
 Instrument ID : LCMS01
 GC Column : Acquity UPLC BEH C18
 %Solids : N/A
 Injection Volume : 3 uL

CAS NO.	Parameter	ng/l			Qualifier
		Results	RL	MDL	
375-22-4	Perfluorobutanoic Acid (PFBA)	8.04	1.85	0.121	
2706-90-3	Perfluoropentanoic Acid (PFPeA)	15.6	1.85	0.079	
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	2.74	1.85	0.102	
307-24-4	Perfluorohexanoic Acid (PFHxA)	15.4	1.85	0.117	
375-85-9	Perfluoroheptanoic Acid (PFHpA)	11.8	1.85	0.086	
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	1.74	1.85	0.100	J
335-67-1	Perfluorooctanoic Acid (PFOA)	15.3	1.85	0.047	
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	5.48	1.85	0.180	J+
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.85	0.144	U
375-95-1	Perfluorononanoic Acid (PFNA)	2.91	1.85	0.093	
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	4.30	1.85	0.103	
335-76-2	Perfluorodecanoic Acid (PFDA)	0.715	1.85	0.176	J
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	1.85	0.269	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	1.85	0.232	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.85	0.177	U
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	1.85	0.206	U
754-91-6	Perfluorooctanesulfonamide (FOSA)	0.218	1.85	0.210	J-
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.85	0.345	U
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.85	0.085	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.85	0.084	U

for
9/6/18



Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER AVE.
 Lab ID : L1826668-05
 Client ID : MW-4S
 Sample Location : BRONX, NY
 Sample Matrix : WATER
 Analytical Method : 122,537(M)
 Lab File ID : I8671
 Sample Amount : 270 ml
 Extraction Method : EPA 537
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L1826668
 Project Number : 2135 WESTCHESTER AVE
 Date Collected : 07/12/18 15:00
 Date Received : 07/12/18
 Date Analyzed : 07/17/18 14:48
 Date Extracted : 07/16/18
 Dilution Factor : 1
 Analyst : AJ
 Instrument ID : LCMS01
 GC Column : Acquity UPLC BEH C18
 %Solids : N/A
 Injection Volume : 3 uL

CAS NO.	Parameter	ng/l			Qualifier
		Results	RL	MDL	
376-06-7	Perfluorotetradecanoic Acid (PFTA)	ND	1.85	0.067	U

Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER AVE.
 Lab ID : L1826668-06
 Client ID : FIELD BLANK
 Sample Location : BRONX, NY
 Sample Matrix : WATER
 Analytical Method : 122,537(M)
 Lab File ID : I8661
 Sample Amount : 280 ml
 Extraction Method : EPA 537
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L1826668
 Project Number : 2135 WESTCHESTER AVE
 Date Collected : 07/12/18 14:10
 Date Received : 07/12/18
 Date Analyzed : 07/17/18 12:02
 Date Extracted : 07/16/18
 Dilution Factor : 1
 Analyst : AJ
 Instrument ID : LCMS01
 GC Column : Acquity UPLC BEH C18
 %Solids : N/A
 Injection Volume : 3 uL

CAS NO.	Parameter	ng/l			Qualifier
		Results	RL	MDL	
375-22-4	Perfluorobutanoic Acid (PFBA)	0.236	1.78	0.117	J
2706-90-3	Perfluoropentanoic Acid (PFPeA)	ND	1.78	0.076	U
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	ND	1.78	0.098	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	ND	1.78	0.113	U
375-85-9	Perfluoroheptanoic Acid (PFHpA)	ND	1.78	0.083	U
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	ND	1.78	0.096	U
335-67-1	Perfluorooctanoic Acid (PFOA)	ND	1.78	0.045	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	0.289	1.78	0.173	J
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.78	0.138	U
375-95-1	Perfluorononanoic Acid (PFNA)	ND	1.78	0.090	U
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	0.193	1.78	0.100	J
335-76-2	Perfluorodecanoic Acid (PFDA)	ND	1.78	0.170	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	1.78	0.260	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND 0.554	1.78	0.224	J U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.78	0.171	U
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	1.78	0.198	U
754-91-6	Perfluorooctanesulfonamide (FOSA)	ND	1.78	0.202	U UJ
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.404	1.78	0.333	J J+
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.78	0.082	U
72629-94-8	Perfluorotridecanoic Acid (PFTTrDA)	ND	1.78	0.081	U

for
9/8/18



Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER AVE.
 Lab ID : L1826668-06
 Client ID : FIELD BLANK
 Sample Location : BRONX, NY
 Sample Matrix : WATER
 Analytical Method : 122,537(M)
 Lab File ID : I8661
 Sample Amount : 280 ml
 Extraction Method : EPA 537
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L1826668
 Project Number : 2135 WESTCHESTER AVE
 Date Collected : 07/12/18 14:10
 Date Received : 07/12/18
 Date Analyzed : 07/17/18 12:02
 Date Extracted : 07/16/18
 Dilution Factor : 1
 Analyst : AJ
 Instrument ID : LCMS01
 GC Column : Acquity UPLC BEH C18
 %Solids : N/A
 Injection Volume : 3 uL

CAS NO.	Parameter	ng/l			Qualifier
		Results	RL	MDL	
376-06-7	Perfluorotetradecanoic Acid (PFTA)	ND	1.78	0.064	U

Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER AVE.
 Lab ID : L1826668-07
 Client ID : MW-1B
 Sample Location : BRONX, NY
 Sample Matrix : WATER
 Analytical Method : 122,537(M)
 Lab File ID : I8672
 Sample Amount : 260 ml
 Extraction Method : EPA 537
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L1826668
 Project Number : 2135 WESTCHESTER AVE
 Date Collected : 07/12/18 09:35
 Date Received : 07/12/18
 Date Analyzed : 07/17/18 15:04
 Date Extracted : 07/16/18
 Dilution Factor : 1
 Analyst : AJ
 Instrument ID : LCMS01
 GC Column : Acquity UPLC BEH C18
 %Solids : N/A
 Injection Volume : 3 uL

CAS NO.	Parameter	ng/l			Qualifier
		Results	RL	MDL	
375-22-4	Perfluorobutanoic Acid (PFBA)	8.99	1.92	0.126	
2706-90-3	Perfluoropentanoic Acid (PFPeA)	13.1	1.92	0.082	
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	7.15	1.92	0.106	
307-24-4	Perfluorohexanoic Acid (PFHxA)	14.7	1.92	0.122	
375-85-9	Perfluoroheptanoic Acid (PFHpA)	12.2	1.92	0.089	
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	13.5	1.92	0.103	
335-67-1	Perfluorooctanoic Acid (PFOA)	56.5	1.92	0.049	
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	6.78	1.92	0.186	
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	0.873	1.92	0.149	J
375-95-1	Perfluorononanoic Acid (PFNA)	2.04	1.92	0.097	
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	20.5	1.92	0.107	
335-76-2	Perfluorodecanoic Acid (PFDA)	0.327	1.92	0.183	J
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	1.92	0.280	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	1.92	0.241	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.92	0.184	U
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	1.92	0.214	U
754-91-6	Perfluorooctanesulfonamide (FOSA)	ND	1.92	0.218	U UJ
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.92	0.358	U
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.92	0.088	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.92	0.087	U

for 7/16/18



Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER AVE.
 Lab ID : L1826668-07
 Client ID : MW-1B
 Sample Location : BRONX, NY
 Sample Matrix : WATER
 Analytical Method : 122,537(M)
 Lab File ID : I8672
 Sample Amount : 260 ml
 Extraction Method : EPA 537
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L1826668
 Project Number : 2135 WESTCHESTER AVE
 Date Collected : 07/12/18 09:35
 Date Received : 07/12/18
 Date Analyzed : 07/17/18 15:04
 Date Extracted : 07/16/18
 Dilution Factor : 1
 Analyst : AJ
 Instrument ID : LCMS01
 GC Column : Acquity UPLC BEH C18
 %Solids : N/A
 Injection Volume : 3 uL

CAS NO.	Parameter	ng/l			Qualifier
		Results	RL	MDL	
376-06-7	Perfluorotetradecanoic Acid (PFTA)	ND	1.92	0.069	U

Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER AVE.
 Lab ID : L1826668-08
 Client ID : MW-1
 Sample Location : BRONX, NY
 Sample Matrix : WATER
 Analytical Method : 122,537(M)
 Lab File ID : I8675
 Sample Amount : 280 ml
 Extraction Method : EPA 537
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L1826668
 Project Number : 2135 WESTCHESTER AVE
 Date Collected : 07/12/18 11:20
 Date Received : 07/12/18
 Date Analyzed : 07/17/18 15:54
 Date Extracted : 07/16/18
 Dilution Factor : 1
 Analyst : AJ
 Instrument ID : LCMS01
 GC Column : Acquity UPLC BEH C18
 %Solids : N/A
 Injection Volume : 3 uL

CAS NO.	Parameter	ng/l			Qualifier
		Results	RL	MDL	
375-22-4	Perfluorobutanoic Acid (PFBA)	15.8	1.78	0.117	
2706-90-3	Perfluoropentanoic Acid (PFPeA)	28.7	1.78	0.076	
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	13.6	1.78	0.098	
307-24-4	Perfluorohexanoic Acid (PFHxA)	27.6	1.78	0.113	
375-85-9	Perfluoroheptanoic Acid (PFHpA)	18.3	1.78	0.083	
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	22.3	1.78	0.096	
335-67-1	Perfluorooctanoic Acid (PFOA)	57.3	1.78	0.045	
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	0.464	1.78	0.173	J
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	0.832	1.78	0.138	J
375-95-1	Perfluorononanoic Acid (PFNA)	1.49	1.78	0.090	J
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	13.6	1.78	0.100	
335-76-2	Perfluorodecanoic Acid (PFDA)	0.378	1.78	0.170	J
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	1.78	0.260	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	1.78	0.224	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	0.446	1.78	0.171	J
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	0.421	1.78	0.198	J
754-91-6	Perfluorooctanesulfonamide (FOSA)	ND	1.78	0.202	U UJ
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.839	1.78	0.333	J
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.78	0.082	U
72629-94-8	Perfluorotridecanoic Acid (PFTTrDA)	ND	1.78	0.081	U

for 9/16/18



Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER AVE.
 Lab ID : L1826668-08
 Client ID : MW-1
 Sample Location : BRONX, NY
 Sample Matrix : WATER
 Analytical Method : 122,537(M)
 Lab File ID : I8675
 Sample Amount : 280 ml
 Extraction Method : EPA 537
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L1826668
 Project Number : 2135 WESTCHESTER AVE
 Date Collected : 07/12/18 11:20
 Date Received : 07/12/18
 Date Analyzed : 07/17/18 15:54
 Date Extracted : 07/16/18
 Dilution Factor : 1
 Analyst : AJ
 Instrument ID : LCMS01
 GC Column : Acquity UPLC BEH C18
 %Solids : N/A
 Injection Volume : 3 uL

CAS NO.	Parameter	ng/l			Qualifier
		Results	RL	MDL	
376-06-7	Perfluorotetradecanoic Acid (PFTA)	0.525	1.78	0.064	J

Form 1

GC Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER AVE.
 Lab ID : L1826668-07
 Client ID : MW-1B
 Sample Location : BRONX, NY
 Sample Matrix : WATER
 Analytical Method : 1,8081B
 Lab File ID : 10180719a-17
 Sample Amount : 140 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : N

Lab Number : L1826668
 Project Number : 2135 WESTCHESTER AVE
 Date Collected : 07/12/18 09:35
 Date Received : 07/12/18
 Date Analyzed : 07/19/18 11:34
 Date Extracted : 07/18/18
 Dilution Factor : 1
 Analyst : KEG
 Instrument ID : PEST10
 GC Column : CLPPesticides
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	ND	0.029	0.003	U
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	ND	0.029	0.003	U
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U
57-74-9	Chlordane	ND	0.143	0.033	U

8/19/18



Form 1 GC Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER AVE.
 Lab ID : L1826668-08
 Client ID : MW-1
 Sample Location : BRONX, NY
 Sample Matrix : WATER
 Analytical Method : 1,8081B
 Lab File ID : 10180719a-20
 Sample Amount : 140 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : N

Lab Number : L1826668
 Project Number : 2135 WESTCHESTER AVE
 Date Collected : 07/12/18 11:20
 Date Received : 07/12/18
 Date Analyzed : 07/19/18 12:11
 Date Extracted : 07/18/18
 Dilution Factor : 1
 Analyst : KEG
 Instrument ID : PEST10
 GC Column : CLPPesticides
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	ND	0.029	0.003	U
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U
57-74-9	Chlordane	ND	0.143	0.033	U

Long 9/6/18



Form 1

GC Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER AVE.
 Lab ID : L1826668-08
 Client ID : MW-1
 Sample Location : BRONX, NY
 Sample Matrix : WATER
 Analytical Method : 1,8081B
 Lab File ID : 10180719a-20
 Sample Amount : 140 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : N

Lab Number : L1826668
 Project Number : 2135 WESTCHESTER AVE
 Date Collected : 07/12/18 11:20
 Date Received : 07/12/18
 Date Analyzed : 07/19/18 12:11
 Date Extracted : 07/18/18
 Dilution Factor : 1
 Analyst : KEG
 Instrument ID : PEST10
 GC Column : CLPPesticidesII
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
60-57-1	Dieldrin	0.021	0.029	0.003	J

for
9/15/18.



Form 1 GC Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER AVE.
 Lab ID : L1826668-07
 Client ID : MW-1B
 Sample Location : BRONX, NY
 Sample Matrix : WATER
 Analytical Method : 1,8082A
 Lab File ID : P2180719a-11
 Sample Amount : 140 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : Y

Lab Number : L1826668
 Project Number : 2135 WESTCHESTER AVE
 Date Collected : 07/12/18 09:35
 Date Received : 07/12/18
 Date Analyzed : 07/19/18 09:58
 Date Extracted : 07/18/18
 Dilution Factor : 1
 Analyst : WR
 Instrument ID : PEST2
 GC Column : CLP-Pesticide
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.083	0.034	U
11104-28-2	Aroclor 1221	ND	0.083	0.067	U
11141-16-5	Aroclor 1232	ND	0.083	0.046	U
53469-21-9	Aroclor 1242	ND	0.083	0.039	U
12672-29-6	Aroclor 1248	ND	0.083	0.049	U
11097-69-1	Aroclor 1254	ND	0.083	0.039	U
11096-82-5	Aroclor 1260	ND	0.083	0.032	U
37324-23-5	Aroclor 1262	ND	0.083	0.035	U
11100-14-4	Aroclor 1268	ND	0.083	0.034	U
1336-36-3	PCBs, Total	ND	0.083	0.032	U

Form 1 GC Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER AVE.
 Lab ID : L1826668-08
 Client ID : MW-1
 Sample Location : BRONX, NY
 Sample Matrix : WATER
 Analytical Method : 1,8082A
 Lab File ID : P2180719a-15
 Sample Amount : 140 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : Y

Lab Number : L1826668
 Project Number : 2135 WESTCHESTER AVE
 Date Collected : 07/12/18 11:20
 Date Received : 07/12/18
 Date Analyzed : 07/19/18 10:52
 Date Extracted : 07/18/18
 Dilution Factor : 1
 Analyst : WR
 Instrument ID : PEST2
 GC Column : CLP-Pesticide
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.083	0.034	U
11104-28-2	Aroclor 1221	ND	0.083	0.067	U
11141-16-5	Aroclor 1232	ND	0.083	0.046	U
53469-21-9	Aroclor 1242	ND	0.083	0.039	U
12672-29-6	Aroclor 1248	ND	0.083	0.049	U
11097-69-1	Aroclor 1254	ND	0.083	0.039	U
11096-82-5	Aroclor 1260	ND	0.083	0.032	U
37324-23-5	Aroclor 1262	ND	0.083	0.035	U
11100-14-4	Aroclor 1268	ND	0.083	0.034	U
1336-36-3	PCBs, Total	ND	0.083	0.032	U

*for
9/6/18*



Form 1 GC Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER AVE.
 Lab ID : L1826668-07
 Client ID : MW-1B
 Sample Location : BRONX, NY
 Sample Matrix : WATER
 Analytical Method : 1,8151A
 Lab File ID : 17180717a-47
 Sample Amount : 950 ml
 Extraction Method : EPA 8151A
 Extract Volume : 10000 uL
 GPC Cleanup : N
 Sulfur Cleanup : N

Lab Number : L1826668
 Project Number : 2135 WESTCHESTER AVE
 Date Collected : 07/12/18 09:35
 Date Received : 07/12/18
 Date Analyzed : 07/18/18 00:25
 Date Extracted : 07/16/18
 Dilution Factor : 1
 Analyst : SL
 Instrument ID : PEST17
 GC Column : STX-CLP1
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
94-75-7	2,4-D	ND	10.5	0.524	U
93-76-5	2,4,5-T	ND	2.10	0.559	U
93-72-1	2,4,5-TP (Silvex)	ND	2.10	0.567	U

for
 9/6/18



Form 1 GC Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER AVE.
 Lab ID : L1826668-08
 Client ID : MW-1
 Sample Location : BRONX, NY
 Sample Matrix : WATER
 Analytical Method : 1,8151A
 Lab File ID : 17180717a-52
 Sample Amount : 950 ml
 Extraction Method : EPA 8151A
 Extract Volume : 10000 uL
 GPC Cleanup : N
 Sulfur Cleanup : N

Lab Number : L1826668
 Project Number : 2135 WESTCHESTER AVE
 Date Collected : 07/12/18 11:20
 Date Received : 07/12/18
 Date Analyzed : 07/18/18 01:59
 Date Extracted : 07/16/18
 Dilution Factor : 1
 Analyst : SL
 Instrument ID : PEST17
 GC Column : STX-CLP1
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
94-75-7	2,4-D	ND	10.5	0.524	U
93-76-5	2,4,5-T	ND	2.10	0.559	U
93-72-1	2,4,5-TP (Silvex)	ND	2.10	0.567	U

for
9/6/18



Form 1 METALS

Client : Tenen Environmental, LLC
Project Name : 2135 WESTCHESTER AVE.
Lab ID : L1826668-07
Client ID : MW-1B
Sample Location : BRONX, NY
Sample Matrix : WATER
Analytical Method : 1,6020B
Lab File ID : WG1137259.pdf
Sample Amount : 50ml
Digestion Method : EPA 3005A

Lab Number : L1826668
Project Number : 2135 WESTCHESTER AVE
Date Collected : 07/12/18 09:35
Date Received : 07/12/18
Date Analyzed : 07/19/18 10:04
Dilution Factor : 1
Analyst : AM
Instrument ID : ICPMSQ
%Solids : N/A
Date Digested : 07/18/18

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	0.165	0.0100	0.00327	
7440-36-0	Antimony, Total	0.00526	0.00400	0.00042	
7440-38-2	Arsenic, Total	ND	0.00050	0.00016	U
7440-39-3	Barium, Total	0.06977	0.00050	0.00017	
7440-41-7	Beryllium, Total	ND	0.00050	0.00010	U
7440-43-9	Cadmium, Total	0.00007	0.00020	0.00005	J
7440-70-2	Calcium, Total	71.4	0.100	0.0394	
7440-47-3	Chromium, Total	ND	0.00100	0.00017	U
7440-48-4	Cobalt, Total	0.00111	0.00050	0.00016	
7440-50-8	Copper, Total	0.00442	0.00100	0.00038	
7439-89-6	Iron, Total	0.608	0.0500	0.0191	
7439-92-1	Lead, Total	0.00045	0.00100	0.00034	J
7439-95-4	Magnesium, Total	28.5	0.0700	0.0242	
7439-96-5	Manganese, Total	2.373	0.00100	0.00044	
7440-02-0	Nickel, Total	0.00485	0.00200	0.00055	
7440-09-7	Potassium, Total	12.2	0.100	0.0309	J
7782-49-2	Selenium, Total	ND	0.00500	0.00173	U
7440-22-4	Silver, Total	0.00038	0.00040	0.00016	J
7440-23-5	Sodium, Total	34.2	0.100	0.0293	
7440-28-0	Thallium, Total	ND	0.00050	0.00014	U
7440-62-2	Vanadium, Total	ND	0.00500	0.00157	U
7440-66-6	Zinc, Total	5.352	0.01000	0.00341	

for
9/14/18



Form 1 METALS

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER AVE.
 Lab ID : L1826668-07
 Client ID : MW-1B
 Sample Location : BRONX, NY
 Sample Matrix : WATER
 Analytical Method : 1,7470A
 Lab File ID : WG1136442.pdf
 Sample Amount : 25ml
 Digestion Method : EPA 7470A

Lab Number : L1826668
 Project Number : 2135 WESTCHESTER AVE
 Date Collected : 07/12/18 09:35
 Date Received : 07/12/18
 Date Analyzed : 07/17/18 20:09
 Dilution Factor : 1
 Analyst : MG
 Instrument ID : CETAC
 %Solids : N/A
 Date Digested : 07/17/18

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.00020	0.00006	U

805
9/17/18


Form 1 METALS

Client : Tenen Environmental, LLC
Project Name : 2135 WESTCHESTER AVE.
Lab ID : L1826668-07
Client ID : MW-1B
Sample Location : BRONX, NY
Sample Matrix : WATER
Analytical Method : 1,6020B
Lab File ID : WG1136805.pdf
Sample Amount : 50ml
Digestion Method : EPA 3005A

Lab Number : L1826668
Project Number : 2135 WESTCHESTER AVE
Date Collected : 07/12/18 09:35
Date Received : 07/12/18
Date Analyzed : 07/18/18 11:05
Dilution Factor : 1
Analyst : AM
Instrument ID : ICPMSQ2
%Solids : N/A
Date Digested : 07/17/18

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Dissolved	ND	0.0100	0.00327	U
7440-36-0	Antimony, Dissolved	0.00256	0.00400	0.00042	J
7440-38-2	Arsenic, Dissolved	ND	0.00050	0.00016	U
7440-39-3	Barium, Dissolved	0.05416	0.00050	0.00017	
7440-41-7	Beryllium, Dissolved	ND	0.00050	0.00010	U
7440-43-9	Cadmium, Dissolved	ND	0.00020	0.00005	U
7440-70-2	Calcium, Dissolved	53.5	0.100	0.0394	
7440-47-3	Chromium, Dissolved	ND	0.00100	0.00017	U
7440-48-4	Cobalt, Dissolved	0.00020	0.00050	0.00016	J
7440-50-8	Copper, Dissolved	ND	0.00100	0.00038	U
7439-89-6	Iron, Dissolved	ND	0.0500	0.0191	U
7439-92-1	Lead, Dissolved	ND	0.00100	0.00034	U
7439-95-4	Magnesium, Dissolved	23.3	0.0700	0.0242	
7439-96-5	Manganese, Dissolved	0.7501	0.00100	0.00044	
7440-02-0	Nickel, Dissolved	0.00078	0.00200	0.00055	J
7440-09-7	Potassium, Dissolved	17.6	0.100	0.0309	J
7782-49-2	Selenium, Dissolved	ND	0.00500	0.00173	U
7440-22-4	Silver, Dissolved	ND	0.00040	0.00016	U
7440-23-5	Sodium, Dissolved	33.1	0.100	0.0293	J +
7440-28-0	Thallium, Dissolved	ND	0.00050	0.00014	U
7440-62-2	Vanadium, Dissolved	ND	0.00500	0.00157	U
7440-66-6	Zinc, Dissolved	0.8302	0.01000	0.00341	

for
9/14/18


Form 1 METALS

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER AVE.
 Lab ID : L1826668-07
 Client ID : MW-1B
 Sample Location : BRONX, NY
 Sample Matrix : WATER
 Analytical Method : 1,7470A
 Lab File ID : WG1136881.pdf
 Sample Amount : 25ml
 Digestion Method : EPA 7470A

Lab Number : L1826668
 Project Number : 2135 WESTCHESTER AVE
 Date Collected : 07/12/18 09:35
 Date Received : 07/12/18
 Date Analyzed : 07/18/18 16:31
 Dilution Factor : 1
 Analyst : MG
 Instrument ID : CETAC
 %Solids : N/A
 Date Digested : 07/18/18

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00006	U

805
9/11/18


Form 1 METALS

Client : Tenen Environmental, LLC
Project Name : 2135 WESTCHESTER AVE.
Lab ID : L1826668-08
Client ID : MW-1
Sample Location : BRONX, NY
Sample Matrix : WATER
Analytical Method : 1,6020B
Lab File ID : WG1137259.pdf
Sample Amount : 50ml
Digestion Method : EPA 3005A

Lab Number : L1826668
Project Number : 2135 WESTCHESTER AVE
Date Collected : 07/12/18 11:20
Date Received : 07/12/18
Date Analyzed : 07/19/18 10:58
Dilution Factor : 1
Analyst : AM
Instrument ID : ICPMSQ
%Solids : N/A
Date Digested : 07/18/18

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	0.208	0.0100	0.00327	
7440-36-0	Antimony, Total	ND	0.00046	0.00400	J-U
7440-38-2	Arsenic, Total	ND	0.00050	0.00016	U
7440-39-3	Barium, Total	0.09922	0.00050	0.00017	
7440-41-7	Beryllium, Total	ND	0.00050	0.00010	U
7440-43-9	Cadmium, Total	ND	0.00020	0.00005	U
7440-70-2	Calcium, Total	110.	0.100	0.0394	J
7440-47-3	Chromium, Total	ND	0.00100	0.00017	U
7440-48-4	Cobalt, Total	0.00574	0.00050	0.00016	
7440-50-8	Copper, Total	0.00070	0.00100	0.00038	J
7439-89-6	Iron, Total	9.65	0.0500	0.0191	
7439-92-1	Lead, Total	ND	0.00100	0.00034	U
7439-95-4	Magnesium, Total	72.4	0.0700	0.0242	
7439-96-5	Manganese, Total	1.686	0.00100	0.00044	J
7440-02-0	Nickel, Total	0.01354	0.00200	0.00055	
7440-09-7	Potassium, Total	10.1	0.100	0.0309	J
7782-49-2	Selenium, Total	0.00228	0.00500	0.00173	J
7440-22-4	Silver, Total	ND	0.00040	0.00016	U
7440-23-5	Sodium, Total	76.4	0.100	0.0293	
7440-28-0	Thallium, Total	ND	0.00050	0.00014	U
7440-62-2	Vanadium, Total	ND	0.00500	0.00157	U
7440-66-6	Zinc, Total	0.01150	0.01000	0.00341	

Sam
9/14/18



Form 1 METALS

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER AVE.
 Lab ID : L1826668-08
 Client ID : MW-1
 Sample Location : BRONX, NY
 Sample Matrix : WATER
 Analytical Method : 1,7470A
 Lab File ID : WG1136442.pdf
 Sample Amount : 25ml
 Digestion Method : EPA 7470A

Lab Number : L1826668
 Project Number : 2135 WESTCHESTER AVE
 Date Collected : 07/12/18 11:20
 Date Received : 07/12/18
 Date Analyzed : 07/17/18 20:14
 Dilution Factor : 1
 Analyst : MG
 Instrument ID : CETAC
 %Solids : N/A
 Date Digested : 07/17/18

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.00020	0.00006	U

for 9/14/18



Form 1 METALS

Client : Tenen Environmental, LLC
Project Name : 2135 WESTCHESTER AVE.
Lab ID : L1826668-08
Client ID : MW-1
Sample Location : BRONX, NY
Sample Matrix : WATER
Analytical Method : 1,6020B
Lab File ID : WG1136805.pdf
Sample Amount : 50ml
Digestion Method : EPA 3005A

Lab Number : L1826668
Project Number : 2135 WESTCHESTER AVE
Date Collected : 07/12/18 11:20
Date Received : 07/12/18
Date Analyzed : 07/18/18 13:04
Dilution Factor : 1
Analyst : AM
Instrument ID : ICPMSQ2
%Solids : N/A
Date Digested : 07/17/18

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Dissolved	ND	0.0100	0.00327	U
7440-36-0	Antimony, Dissolved	ND	0.00400	0.00042	U
7440-38-2	Arsenic, Dissolved	ND	0.00050	0.00016	U
7440-39-3	Barium, Dissolved	0.09048	0.00050	0.00017	
7440-41-7	Beryllium, Dissolved	ND	0.00050	0.00010	U
7440-43-9	Cadmium, Dissolved	ND	0.00020	0.00005	U
7440-70-2	Calcium, Dissolved	116.	0.100	0.0394	J
7440-47-3	Chromium, Dissolved	ND	0.00100	0.00017	U
7440-48-4	Cobalt, Dissolved	0.00538	0.00050	0.00016	
7440-50-8	Copper, Dissolved	ND	0.00100	0.00038	U
7439-89-6	Iron, Dissolved	1.53	0.0500	0.0191	
7439-92-1	Lead, Dissolved	ND	0.00100	0.00034	U
7439-95-4	Magnesium, Dissolved	69.7	0.0700	0.0242	
7439-96-5	Manganese, Dissolved	1.718	0.00100	0.00044	J
7440-02-0	Nickel, Dissolved	0.01388	0.00200	0.00055	
7440-09-7	Potassium, Dissolved	10.4	0.100	0.0309	J
7782-49-2	Selenium, Dissolved	0.00237	0.00500	0.00173	J
7440-22-4	Silver, Dissolved	ND	0.00040	0.00016	U
7440-23-5	Sodium, Dissolved	65.1	0.100	0.0293	
7440-28-0	Thallium, Dissolved	ND	0.00050	0.00014	U
7440-62-2	Vanadium, Dissolved	ND	0.00500	0.00157	U
7440-66-6	Zinc, Dissolved	ND	0.01000	0.00341	U

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9/14/18



Form 1 METALS

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER AVE.
 Lab ID : L1826668-08
 Client ID : MW-1
 Sample Location : BRONX, NY
 Sample Matrix : WATER
 Analytical Method : 1,7470A
 Lab File ID : WG1136881.pdf
 Sample Amount : 25ml
 Digestion Method : EPA 7470A

Lab Number : L1826668
 Project Number : 2135 WESTCHESTER AVE
 Date Collected : 07/12/18 11:20
 Date Received : 07/12/18
 Date Analyzed : 07/18/18 16:37
 Dilution Factor : 1
 Analyst : MG
 Instrument ID : CETAC
 %Solids : N/A
 Date Digested : 07/18/18

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00006	U

8/19/18



Form 1
WETCHEM

Client : Tenen Environmental, LLC
Project Name : 2135 WESTCHESTER AVE.
Lab ID : L1826668-07
Client ID : MW-1B
Sample Location : BRONX, NY
Sample Matrix : WATER
Analytical Method : 1,9010C/9012B
Lab File ID : OM_7-17-2018_10-50-17AM
Sample Amount :
Digestion Method :

Lab Number : L1826668
Project Number : 2135 WESTCHESTER AVE
Date Collected : 07/12/18 09:35
Date Received : 07/12/18
Date Analyzed : 07/17/18 11:34
Dilution Factor : 1
Analyst : LHK
Instrument ID : LACHAT
%Solids : N/A
Date Digested : 07/16/18

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
57-12-5	Cyanide, Total	ND	0.005	0.001	U

for
9/14/18

ALPHA
ANALYTICAL

Form 1 WETCHEM

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER AVE.
 Lab ID : L1826668-08
 Client ID : MW-1
 Sample Location : BRONX, NY
 Sample Matrix : WATER
 Analytical Method : 1,9010C/9012B
 Lab File ID : OM_7-17-2018_10-50-17AM
 Sample Amount :
 Digestion Method :

Lab Number : L1826668
 Project Number : 2135 WESTCHESTER AVE
 Date Collected : 07/12/18 11:20
 Date Received : 07/12/18
 Date Analyzed : 07/17/18 11:56
 Dilution Factor : 1
 Analyst : LHK
 Instrument ID : LACHAT
 %Solids : N/A
 Date Digested : 07/16/18

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
57-12-5	Cyanide, Total	0.003	0.005	0.001	J

805
9/11/18



Form 1
WETCHEM

Client : Tenen Environmental, LLC
Project Name : 2135 WESTCHESTER AVE.
Lab ID : L1826668-07
Client ID : MW-1B
Sample Location : BRONX, NY
Sample Matrix : WATER
Analytical Method : 1,7196A
Lab File ID : WG1135319.csv
Sample Amount : 50
Digestion Method :

Lab Number : L1826668
Project Number : 2135 WESTCHESTER AVE
Date Collected : 07/12/18 09:35
Date Received : 07/12/18
Date Analyzed : 07/13/18 08:36
Dilution Factor : 1
Analyst : UN
Instrument ID : SPEC 3
%Solids : N/A
Date Digested : 07/13/18

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
18540-29-9	Chromium, Hexavalent	ND	0.010	0.003	U

for
9/14/18



Form 1
WETCHEM

Client : Tenen Environmental, LLC
Project Name : 2135 WESTCHESTER AVE.
Lab ID : L1826668-08
Client ID : MW-1
Sample Location : BRONX, NY
Sample Matrix : WATER
Analytical Method : 1,7196A
Lab File ID : WG1135319.csv
Sample Amount : 50
Digestion Method :

Lab Number : L1826668
Project Number : 2135 WESTCHESTER AVE
Date Collected : 07/12/18 11:20
Date Received : 07/12/18
Date Analyzed : 07/13/18 08:36
Dilution Factor : 1
Analyst : UN
Instrument ID : SPEC 3
%Solids : N/A
Date Digested : 07/13/18

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
18540-29-9	Chromium, Hexavalent	ND	0.010	0.003	U

for
9/14/18



**DATA USABILITY SUMMARY REPORT – DUSR
DATA VALIDATION SUMMARY**

ORGANIC/INORGANIC ANALYSES

**VOLATILES BY GC/MS
SEMIVOLATILES BY GC/MS
PESTICIDES BY GC
PCBs BY GC
HERBICIDES BY GC
TAL (23) METALS BY ICP/CV
TOTAL CYANIDE AND HEXAVALENT
TRIVALENT CHROMIUM
For Soil Samples Collected
May 23, 2018**

**From 2136 Westchester Avenue, Bronx, NY
Collected by Tenen Environmental**

SAMPLE DELIVERY GROUP NUMBER:

L1819157

BY ALPHA ANALYTICAL (ELAP #11148)

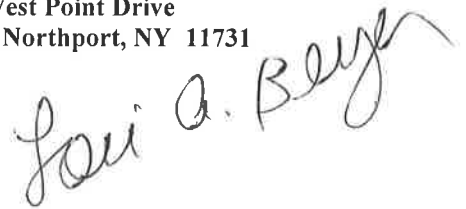
SUBMITTED TO:

**Ms. Claire Zaccheo
Tenen Environmental
121 West 27th Street, Suite 702
New York, NY 10001**

September 17, 2018

PREPARED BY:

**Lori A. Beyer/President
L.A.B. Validation Corp.
14 West Point Drive
East Northport, NY 11731**



2135 Westchester Avenue, Bronx, New York – Soil Data Usability Summary Report (Data Validation): May 2018 Sampling Event; Analysis for Volatiles, Semivolatiles, Pesticides, Herbicides, PCBs, TAL (23) Metals, Total Cyanide and Hexavalent Chromium.

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 - Pesticides/PCBs/Herbicides
 - Metals/Cyanide/Hexavalent/Trivalent Chromium

A validation was performed on soil samples and the associated quality control samples (Field Duplicate/Field Blank/Trip Blank/MS/MSD) for organic/inorganic analysis for samples collected under chain of custody documentation by Tenen Environmental and submitted to Alpha Analytical for subsequent analysis. This report contains the laboratory and validation results for the field samples itemized below. Analysis was performed in accordance with requested tests per the chain of custody documents in addition to Herbicides and Hexavalent Chromium.

The samples were analyzed by Alpha Analytical, utilizing SW846 Methods and submitted under NYSDEC ASP Category B equivalent deliverable requirements for the associated analytical methodologies employed. The analytical testing for soil samples consisted of Volatile Organics, Semivolatile Organics, Pesticides, Herbicides, PCBs, TAL (23) Metals, Total Cyanide and Hexavalent Chromium.

The data was evaluated in accordance with EPA Region II National Functional Guidelines for Organic and Inorganic Data Review and EPA Region II SOPs for 8260, 8270, 8081, 8082 and Metals and in conjunction with the analytical methodologies for which the samples were analyzed, where applicable and relevant.

The data validation report pertains to the following samples:

Sample ID	Lab ID	Matri x	Analysis	Date Collected/ Received
SB-5 (1-2)	L1819157-01	Soil	VOA/SVOA/Pesticides/PCBs/Herbicides/Metals/Cyanide /Hexavalent Chromium/Trivalent Chromium	05/23/18, 05/24/18
SB-5 (15-17)	L1819157-02	Soil	VOA/SVOA/Pesticides/PCBs/Herbicides/Metals/Cyanide /Hexavalent Chromium/Trivalent Chromium	05/23/18, 05/24/18
SB-2 (1-5)	L1819157-03	Soil	VOA/SVOA/Pesticides/PCBs/Herbicides/Metals/Cyanide /Hexavalent Chromium/Trivalent Chromium	05/23/18, 05/24/18
SB-2 (13-14)	L1819157-04	Soil	VOA/SVOA/Pesticides/PCBs/Herbicides/Metals/Cyanide /Hexavalent Chromium/Trivalent Chromium	05/23/18, 05/24/18
SB-2 (15-16)	L1819157-05	Soil	VOA/SVOA/Pesticides/PCBs/Herbicides/Metals/Cyanide /Hexavalent Chromium/Trivalent Chromium	05/23/18, 05/24/18
SB-3 (1-5)	L1819157-06	Soil	VOA/SVOA/Pesticides/PCBs/Herbicides/Metals/Cyanide /Hexavalent Chromium/Trivalent Chromium	05/23/18, 05/24/18
SB-1 (1-5)	L1819157-07			
SB-1 (20-21)	L1819157-08	Soil	VOA/SVOA/Pesticides/PCBs/Herbicides/Metals/Cyanide /Hexavalent Chromium/Trivalent Chromium	05/23/18, 05/24/18
SB-1 (20-21) DUP	L1819157-09	Soil	VOA/SVOA/Pesticides/PCBs/Herbicides/Metals/Cyanide /Hexavalent Chromium/Trivalent Chromium	05/23/18, 05/24/18
SB-4 (0-5)	L1819157-10	Soil	VOA/SVOA/Pesticides/PCBs/Herbicides/Metals/Cyanide /Hexavalent Chromium/Trivalent Chromium	05/23/18, 05/24/18
SB-4 (18-20) [Plus, MS/MSD]	L1819157-11	Soil	VOA/SVOA/Pesticides/PCBs/Herbicides/Metals/Cyanide /Hexavalent Chromium/Trivalent Chromium	05/23/18, 05/24/18
S1-S (0-0.5)	L1819157-12	Soil	VOA/SVOA/Pesticides/PCBs/Herbicides/Metals/Cyanide /Hexavalent Chromium/Trivalent Chromium	05/23/18, 05/24/18
S1-E (0-0.5)	L1819157-13	Soil	VOA/SVOA/Pesticides/PCBs/Herbicides/Metals/Cyanide /Hexavalent Chromium/Trivalent Chromium	05/23/18, 05/24/18
S1-C (0.5-1)	L1819157-14	Soil	VOA/SVOA/Pesticides/PCBs/Herbicides/Metals/Cyanide /Hexavalent Chromium/Trivalent Chromium	05/23/18, 05/24/18
S1-N (0.5-1.5)	L1819157-15	Soil	VOA/SVOA/Pesticides/PCBs/Herbicides/Metals/Cyanide	05/23/18,

			/Hexavalent Chromium/Trivalent Chromium	05/24/18
Field Blank	L1819157-16	Aqueous	VOA/SVOA/Pesticides/PCBs/Herbicides/Metals/Cyanide /Hexavalent Chromium/Trivalent Chromium	05/23/18, 05/24/18
Trip Blank	L1819157-17	Aqueous	VOA	05/23/18, 05/24/18
SI-W (0-1)	L1819157-18	Soil	VOA/SVOA/Pesticides/PCBs/Herbicides/Metals/Cyanide /Hexavalent Chromium/Trivalent Chromium	05/23/18, 05/24/18

Data Qualifier Definitions:

The following definitions provide brief explanations of the qualifiers assigned to results in the data review process.

U - The analyte was analyzed for but was not detected above the reported sample quantitation limit.

J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

UJ - The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

R - The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.

N - The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."

NJ - The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate quantity.

J+ - The result is an estimated quantity, but the result may be biased high.

J- - The result is an estimated quantity, but the result may be biased low.

D - Analyte concentration is from diluted analysis.

Sample Receipt:

The Chain of Custody documents indicates that the samples were received at Alpha Analytical via laboratory courier upon completion of the sampling event. Sample login notes were generated. The cooler temperatures for the sample receipt was recorded upon receipt and determined to be acceptable (<6.0 degrees C) for each cooler. The actual temperature is recorded on the sample receipt checklists provided in Appendix A of this report. S1-W (0-1) was received at the laboratory but not listed on the chain of custody document. Analysis for all parameters was authorized by Tenen Environmental.

No unresolved problems and/or discrepancies were noted, consequently, the integrity of the samples has been assumed to be good.

The data summary Form I's included in Appendix C includes all usable (qualified) and unusable (rejected) results for the samples identified above. The Form I's summarize the detailed narrative section of the report.

NOTE:

L.A.B. Validation Corp. believes it is appropriate to note that the data validation criteria utilized for data evaluation is different than the method requirements utilized by the laboratory. Qualified data does not necessarily mean that the laboratory was non-compliant in the analysis that was performed.

1.0 Volatile Organics by GC/MS SW846 Method 8260C

The following method criteria were reviewed: holding times, SMCs, MS, MSD, LCS, Laboratory Spiked Blanks, Method Blanks, Tunes, Calibrations, Internal Standards, Target/Non-Target Component Identification, Quantitation, Reported Quantitation Limits and Overall System Performance. The Volatile results are valid and usable except for non-detects in all samples for 1,4-Dioxane and Acrylonitrile in the Field and Trip Blank due to low calibration responses as noted within the following text:

1.1 Holding Time

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the technical holding time is exceeded, the data may not be considered valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimates, "J". The non-detects (sample quantitation limits) are required to be flagged as estimated, "J", or unusable, "R", if the holding times are grossly exceeded.

Samples pertaining to this SDG were performed within the Method required holding times as well as the technical holding times for data validation of 14 days from collection to analysis. Soil samples were collected in encores in accordance with SW846 Method 5035A and prepared within 48-hour holding time. No data validation qualifiers were required based upon holding time.

1.2 System Monitoring Compound (Surrogate) Recovery

All samples are spiked with surrogate compounds prior to sample analysis to evaluate overall laboratory performance and efficiency of the analytical technique. If the measure of surrogate concentrations is outside contract specification, qualifications are required to be applied to associated samples and analytes.

Surrogate recoveries (%R) for Dibromofluoromethane, 1,2-Dichloroethane-d₄, Toluene-d₈ and 4-Bromofluorobenzene were found to be within acceptable limits for surrogate compounds for all analyses pertaining to this SDG.

1.3 Matrix Spikes (MS)/ Matrix Spike Duplicates (MSD)

The MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices and to demonstrate acceptable compound recovery by the laboratory at the time of sample analysis. The MS/MSD may be used in conjunction with other QC criteria for additional qualification of data.

MS/MSD was performed on SB-4 (18-20). High recovery values were obtained for Carbon Tetrachloride (134%), Trichlorofluoromethane (143%/142%). These compounds were not detected in the parent sample and therefore high recovery does not support any potential loss of detection and/or result bias. No qualifications were applied based on these outliers. Recovery values fell below in house limits for Ethylbenzene (69%), 1,2-Dichlorobenzene (68%/60%), 1,3-Dichlorobenzene (65%/56%), 1,4-Dichlorobenzene (62%/53%), m/p-Xylene (66%), Styrene (68%), Bromobenzene (67%), n-Butylbenzene (52%/39%), sec-Butylbenzene (64%/50%), tert-Butylbenzene (57%), o-Chlorotoluene (56%/47%), p-Chlorotoluene (64%/54%), Hexachlorobutadiene (46%/32%), Isopropyl benzene (62%), p-Isopropyl toluene (59%/46%), Naphthalene (66%/65%), n-Propyl benzene (64%/52%), 1,2,3-Trichlorobenzene (56%/52%), 1,2,4-Trichlorobenzene (54%/49%), 1,3,5-Trimethylbenzene (66%/54%), 1,2,4-Trimethylbenzene (64%/53%), p-

Diethyl benzene (52%/41%), p-Ethyl toluene (62%/50%) and 1,2,4,5-Tetramethylbenzene (55%/45%). Sample chromatogram does not document matrix interference. Non-detects in the parent sample have been qualified, "UJ" for these compounds.

The National Functional Guidelines and EPA Region 2 SOPs state that "No qualifications to the data is necessary based on MS data alone."

1.4 Laboratory Control Sample/Blank Spikes

The LCS data for laboratory control samples (LCS) are generated to provide information on the accuracy of the analytical method and on the laboratory performance.

LCS/LCS Duplicates were analyzed for each sequence. Recovery values were acceptable for all spiked analytes except for:

LCS associated with Field and Trip Blank resulted in high Acrylonitrile (150%/160%), Styrene (155%/155%) and 2-Butanone (140%/150%). Since these analytes were not detected in associated samples, no qualifications to the data was required for high recovery values since no potential loss of detection has occurred.

All RPD met requirements for both soil and aqueous LCS/LCS Duplicate

1.5 Blank Contamination

Quality assurance (QA) blanks; i.e. method, trip and field blanks are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field blanks measure cross-contamination of samples during field operations.

The following table was utilized to qualify target analyte results due to contamination. The largest value from all the associated blanks is required to be utilized:

Blank Type	Blank Result	Sample Result	Action for Samples
Method, Storage, field, Trip, Instrument	Detects	Not Detected	No qualification required
	<CRQL*	<CRQL*	Report CRQL value with a U
		>= CRQL* and <2x the CRQL**	No qualification required
	>CRQL*	<= CRQL*	Report CRQL value with a U
		>=CRQL* and <= blank concentration	Report blank value for sample concentration with a U
		>= CRQL* and > blank concentration	No qualification required
	=CRQL*	<= CRQL*	Report CRQL value with a U
		>CRQL*	No qualification required
	Gross Contamination**	Detects	Report blank value for sample concentration with a U

*2x the CRQL for methylene chloride, 2-butanone and acetone.

**4x the CRQL for methylene chloride, 2-butanone, and acetone

***Qualifications based on instrument blank results affect only the sample analyzed immediately after the sample that has target compounds that exceed the calibration range or non-target compounds that exceed 100 ug/L.

Below is a summary of the compounds in the sample and the associated qualifications that have been applied:

A) Method Blank Contamination:

Naphthalene was detected at 0.15 ug/kg in the method blank associated with SB-5 (1-2), SB-5 (15-17), SB-2 (5-7), SB-2 (13-14), SB-3 (15-16), SB-3 (1-5), SB-1 (20-21), SB-1 (20-21) DUP, SB-4 (0-5), SB-4 (18-20), S1-S (0-0.5), S1-E (0-0.5), S1-C (0.5-1) and S1-N (0.5-1.5). Naphthalene was not detected in any of the associated samples.

B) Field Blank Contamination:

No target analytes were detected in the Field Blank.

C) Trip Blank Contamination:

No target analytes were detected in the Trip Blank.

***Methylene Chloride, Acetone and 2-Butanone are common lab contaminants. The laboratory reported concentrations of Methylene Chloride and Acetone could not be negated due to lack of presence in the corresponding blanks, however, detection levels are within common lab contamination ranges. The end user should proceed with caution when making decisions based on common contaminants.**

1.6 GC/MS Instrument Performance Check

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The Tuning standard for volatile organics is Bromofluorobenzene (BFB).

Instrument performance was generated within acceptable limits and frequency for Bromofluorobenzene (BFB) for all analyses conducted for this SDG.

1.7 Initial and Continuing Calibrations

Satisfactory instrument calibration is established to ensure that the instrument can produce acceptable quantitative data. An initial calibration demonstrates that the instrument can produce acceptable performance at the beginning of an experimental sequence.

The continuing calibration checks document that the instrument is giving satisfactory daily performance. Initial calibration verifications were acceptable.

A) Response Factor GC/MS:

The response factor measures the instrument's response to specific chemical compounds. The response factor for all compounds must be ≥ 0.05 in both initial and continuing calibrations. A value < 0.05 indicates a serious detection and quantitation problem (poor sensitivity). Analytes detected in the sample will be qualified as estimated, "J". All non-detects for that compound in the corresponding samples will be rejected, "R". Method 8260C allows for a minimum response factor of 0.1 for Acetone and 2-Butanone. Validation criteria allows response factor to be ≥ 0.01 for poor responders (Acetone, MEK, Carbon Disulfide, Chloroethane, Chloromethane, Cyclohexane, 1,2-Dibromoethane, Dichlorodifluoromethane, cis-1,2-Dichloroethene, 1,2-Dichloropropane, 1,2-Dibromo-3-chloropropane, Isopropylbenzene, Methyl Acetate, Methylene Chloride, Methylcyclohexane, MTBE, trans-1,2-Dichloroethene, 4-Methyl-2-Pentanone, 2-Hexanone, Trichlorofluoromethane, 1,1,2-Trichloro-1,2,2-Trifluoroethane).

All the response factors for the target analytes reported were found to be within acceptable limits (≥ 0.05) and (≥ 0.01 for poor responders) and minimum response criteria in Table 4 of Method 8260C, for the initial and continuing calibrations for all reported analytes except for 1,4-Dioxane (0.001) and Acrylonitrile (0.042). 1,4-Dioxane non-detects have been rejected in all samples. Acrylonitrile non-detects was rejected in the Field and Trip Blank .

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentrations. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration. Percent D is a measure of the instrument's daily performance. Percent RSD must be $<20\%$ and %D must be $<20\%$. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and non-detects are flagged "UJ". If %RSD and %D grossly exceed QC criteria, non-detect data may be qualified, "R", unusable. Additionally, in cases where the %RSD is $>20\%$ and eliminating either the high or the low point of the curve does not restore the %RSD to less than or equal to 20% then positive results are qualified, "J". In cases where removal of either the low or high point restores the linearity, then only low or high-level results will be qualified, "J" in the portion of the curve where non-linearity exists. Closing CCV must meet 30% criteria. Poor responders must be $\leq 40\%$.

*Method 8260C allows for several analytes to be outside requirements due to the large number of compounds.

Initial Calibrations: The initial calibrations provided and the %RSD were within acceptable limits (20%) and (40% for poor responders) for all reported compounds.

Continuing Calibrations: The continuing calibrations provided and the %D was within acceptable limits (25%) and (40% for poor responders) for all reported compounds except for:

CCAL 5/31/18 Instrument VOA122 – Vinyl Chloride (26.6%), Bromomethane – 45.8%, Styrene (53.0%), Hexachlorobutadiene – 30.8%; "UJ" non-detects in Field and Trip Blank.

CCAL 5/31/18 Instrument VOA100 – Carbon Tetrachloride – 25.5%; "UJ" non-detects in SB-1 (1-5) and S1-W (0-1).

1.8 Internal Standards

Internal Standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must not vary by more than a factor of 2 (-50% to +100%) from the associated continuing calibration standard. The retention time of the internal standard must not vary more than +/- 30 seconds from the associated continuing calibration standard. If the area count is outside the (-50% to +100%) range of the associated standard, all the positive results for compounds quantitated using that IS are qualified as estimated, "J", and all non-detects as "UJ", or "R" if there is a severe loss of sensitivity.

If an internal standard retention time varies by more than 30 seconds, professional judgment will be used to determine either partial or total rejection of the data for that sample fraction.

All samples were spiked with the internal standards Fluorobenzene, Chlorobenzene-d5 and 1,4-Dichlorobenzene-d4 prior to sample analysis. The area responses and retention time of each internal standard met QC criteria in all samples associated with this SDG.

1.9 Field Duplicates

Field duplicate samples are collected and analyzed as an indication of overall precision. These results are expected to have more variability than laboratory duplicate samples.

An acceptable RPD is 50% as documented in EPA Region 2 SOP HW33. Professional judgment is utilized for analytes that demonstrate high percent difference. Field duplicate [SB-1 (20-21) DUP] was submitted on SB-1 (20-21). Tetrachloroethene was detected at 45 ug/kg, Trichloroethene at 2.2 ug/kg and cis-1,2-Dichloroethene at 0.90 ug/kg in the parent sample. Field duplicate results were lower (Tetrachloroethene at 28 ug/kg, Trichloroethene at 0.86 ug/kg and non-detect for cis-1,2-Dichloroethene). The field duplicate results have been qualified, "J-" biased low for Trichloroethene due to high percent difference. It is recommended that the higher concentration be utilized for decision purposes. No qualifications are required for Tetrachloroethene (46.5% D) or low cis-1,2-Dichloroethene

detection. Mass spectra meets the qualitative criteria for identification.

1.10 Target Compound List Identification

TCL compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within ± 0.06 RRT units of the standard compound and have an ion spectrum which has a ratio of the primary and secondary m/e intensities within 20% of that in the standard compound.

GC/MS spectra met the qualitative criteria for identification. All retention times were within required specifications.

1.11 Tentatively Identified Compounds (TICs)

TICs were not required for this data set. When detected the identification must be considered tentative (both quantitative and qualitative) due to the lack of required compound specific response factors. Consequently, all concentrations should be considered estimated, "J" due to the qualitative uncertainty should be qualified, "N" where an identification has been made.

TICS were not required.

1.12 Compound Quantification and Reported Detection Limits

GC/MS quantitative analysis is acceptable. Correct internal standards per SW846, response factors and moisture were used to calculate final concentrations.

As required, the laboratory reported "J" values between the reporting limits (RL) and Method Detection Limits (MDLs). This is consistent with common laboratory practices and a requirement of the National Environmental Laboratory Approval Program (NELAP).

All samples were all analyzed undiluted at low level.

1.13 Overall System Performance

Good resolution and chromatographic performance were observed.

2.0 Semivolatile Organics by GC/MS SW846 Method 8270D

The following method criteria were reviewed: holding times, Surrogates, MS, MSD, LCS, Blanks, Tunes, Calibrations, Internal Standards, Target/Non-Target Component Identification, Quantitation, Reported Quantitation Limits and overall system performance. The Semivolatile results are valid and usable except for non-detect Benzoic Acid in SB-4 (18-20) due to non-recoverable MS/MSD values as noted within the following text:

2.1 Holding Time

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the technical holding time is exceeded, the data may not be considered valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimates, "J". The non-detects (sample quantitation limits) are required to be flagged as estimated, "J", or unusable, "R", if the holding times are grossly exceeded.

Samples were extracted and analyzed within the method required holding times and the technical holding times (14 days from collection to extraction for soil samples and 7 days from collection to extraction for Field Blank) required for data validation. Sample extracts were analyzed within 40 days of preparation as required.

2.2 Surrogate Recovery

All samples are spiked with surrogate compounds prior to sample preparation/extraction to evaluate overall laboratory performance and efficiency of the analytical technique. Additionally, the sample itself may produce effects due to such factors as interferences and high concentrations of analytes. Since the effects of the sample matrix are frequently outside the control of the laboratory and may present relatively unique problems, the evaluation of the data is dependent upon reextraction and/or reanalysis to confirm/negate laboratory error or matrix related problems. Discussion of surrogate recoveries that fell outside (above/below) QC guidelines is itemized below:

Samples were spiked with six (6) surrogate standards at the sample extraction portion of analysis. Acceptable recoveries were observed. Method allows for one (1) base neutral and one (1) acid recovery to be outside acceptance limits providing the recovery value is >10% without requiring reextraction/reanalysis.

2.3 Matrix Spikes (MS)/Matrix Spike Duplicates (MSD)

The MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices.

MS/MSD analyses was conducted on SB-4 (18-20). Benzoic Acid was not recoverable in either the MS or MSD. Non-detects in the parent sample have been rejected, "R."

The National Functional Guidelines provide and allow for flexibility when qualifying the parent sample based on MS/MSD data.

2.4 Laboratory Control Sample

The LCS data for laboratory control samples (LCS) are generated to provide information on the accuracy of the analytical method and on the laboratory performance.

Acceptable LCS was analyzed. Acceptable recoveries were observed for all reported analytes except p-Chloro-m-cresol (102%/102%) in the LCS/LCS Duplicate associated with the Field Blank. This target analyte was not detected in associated sample and therefore no qualifications to the data is required for high recovery value.

2.5 Method Blanks

Quality assurance (QA) blanks; i.e. method, trip and field blanks are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field blanks measure cross-contamination of samples during field operations.

The following table was utilized to qualify target analyte results due to contamination. The largest value from all the associated blanks is required to be utilized:

For:	Flag Sample Result with a "U" when:	Report CRQL & Qualify "U" when:	No Qualification is Needed when:
Phthalates (common laboratory contaminants)	Sample Conc. is >CRQL, but $\leq 5 \times$ blank value	Sample Conc. Is <CRQL and $\leq 5 \times$ blank value	Sample Conc. is >CRQL and $> 5 \times$ blank value
Other Contaminants	Sample Conc. is >CRQL, but $\leq 1 \times$ blank value	Sample Conc. Is <CRQL and $\leq 1 \times$ blank value	Sample Conc. is >CRQL and $> 1 \times$ blank value

Below is a summary of the compounds in the sample and the associated qualification that have been applied:

A) Method Blank Contamination:

Target analytes were not detected in the 8270 method blanks associated with sample analysis.

B) Field Blank Contamination:

No target analytes were detected in the Field Blank.

2.6 GC/MS Instrument Performance Check

Tuning and performance criteria are established to ensure adequate mass resolution proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The Tuning standard for semivolatile organics is decafluorotriphenylphosphine (DFTPP).

Instrument performance was generated within acceptable limits and frequency (12 hours) for decafluorotriphenylphosphine (DFTPP) for all analyses.

2.7 Initial and Continuing Calibrations

Satisfactory instrument calibration is established to ensure that the instrument can produce acceptable quantitative data. An initial calibration demonstrates that the instrument can give acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:

The response factor measures the instrument's response to specific chemical compounds. The response factor for all compounds must be $\geq$ the RRF values in Table 2 (EPA Region 2 SOP HW-35A) in both initial and continuing calibrations. A value $<$ the minimum response indicates a serious detection and quantitation problem (poor sensitivity). Analytes detected in the sample will be qualified as estimated, "J+". All non-detects for that compound in the corresponding samples will be rejected, "R".

All the response factors for the target analytes reported were found to be within acceptable limits, for the initial (average RRF) and continuing calibrations.

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentrations. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration. Percent D is a measure of the instrument's daily performance. Percent RSD must be $\leq$ %D in Table 2 (range from 20%-50% depending on analyte) and opening %D and close %D must also be $\leq$ Table 2 values. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and non-detects are flagged "UJ". If %RSD and %D grossly exceed QC criteria, non-detect data may be qualified, "R", unusable. Additionally, in cases where the %RSD is above criteria and eliminating either the high or the low point of the curve does not restore the %RSD to less than or equal to Table 2 values then positive results are qualified, "J". In cases where removal of either the low or high point restores the linearity, then only low or high-level results will be qualified, "J" in the portion of the curve where non-linearity exists. Due to the large number of analytes in this method, it is expected for some analytes to fall outside acceptance criteria and the calibration is still considered valid.

Acceptable Initial Calibration Verifications were performed.

Initial Calibrations: The initial calibrations provided and the %RSD were within acceptable limits for all reported compounds.

Continuing Calibrations: The continuing calibrations provided and the %D was within acceptable limits for all reported compounds except for:

CCAL 5/31/18 Instrument SV103 – Bis (2-chloroethyl isopropyl) ether – 25.1%, 2,6-Dinitrotoluene – 21.6%, 3-Nitroaniline – 26.1% and 2,4-Dinitrotoluene; “UJ” non-detects in S1-W (0-1) and S1-E (0-0.5).

CCAL 5/29/18 Instrument Buffy – Phenol – 23.4%; “UJ” non-detects in SB-4 (18-20), SB-5 (15-17) , SB-2 (13-14) and SB-3 (15-16).

2.8 Internal Standards

Internal Standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must not vary by more than a factor of 2 (-50% to +100%) from the associated continuing calibration standard. The retention time of the internal standard must not vary more than +/- 30 seconds from the associated continuing calibration standard. If the area count is outside the (-50% to +100%) range of the associated standard, all the positive results for compounds quantitated using that IS are qualified as estimated, “J”, and all non-detects as “UJ”, or “R” if there is a severe loss of sensitivity.

If an internal standard retention time varies by more than 30 seconds, professional judgment will be used to determine either partial or total rejection of the data for that sample fraction.

All area responses and retention times fell within established QC ranges for sample analysis.

2.9 Field Duplicates

Field duplicate samples are collected and analyzed as an indication of overall precision. These results are expected to have more variability than laboratory duplicate samples. No target detections were found in either SB-1 (20-21) or the field duplicate.

2.10 Target Compound List Identification

TCL compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the

sample peak must be within ± 0.06 RRT units of the standard compound and have an ion spectrum which has a ratio of the primary and secondary m/e intensities within 20% of that in the standard compound.

Mass spectra meet criteria for all detected analytes.

2.11 Tentatively Identified Compounds (TICs)

TICs were not submitted with this data set. The identification must be considered tentative (both quantitative and qualitative) due to the lack of required compound specific response factors. Consequently, all concentrations should be considered estimated, "J" and because of the qualitative uncertainty should be qualified, "N" where an identification has been made.

TICs were not required.

2.12 Compound Quantification and Reported Detection Limits

GC/MS quantitative analysis is acceptable. Correct internal standards, response factors and percent moisture were used to calculate final concentrations.

As required, the laboratory reported "J" values between the reporting limits (RL) and Method Detection Limits (MDLs). This is consistent with common laboratory practices and a requirement of the National Environmental Laboratory Approval Program (NELAP). Samples were analyzed undiluted. Samples were extracted by Method 3546 (Microwave Extraction).

2.13 Overall System Performance

Good resolution and chromatographic performance were observed.

3.0 Pesticides by GC SW846 Method 8081B, PCBs by SW846 Method 8082A, Herbicides by 8151.

The following method criteria were reviewed: holding times, Surrogates, MS, MSD, LCS, Blanks, Analytical Sequences, Calibrations, Target Component Identification, Quantitation, Reported Quantitation Limits and overall system performance. The Pesticide/PCB/Herbicide results are valid and usable as noted within the following text:

3.1 Holding Time

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the technical holding time is exceeded, the data may not be considered valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimates, "J". The non-detects (sample quantitation limits) are required to be flagged as estimated, "J", or unusable, "R", if the holding times are grossly exceeded.

Samples were extracted and analyzed within the method required holding times and the technical holding times required for data validation (14 days from collection to extraction for soil samples and 7 days from collection for extraction for Field Blanks). The PCB aqueous method blank associated with the Field Blank had an Aroclor 1254 detection which was also detected in the associated sample. The Field Blank was reextracted one day beyond holding time and no PCBs were detected. Results for all Aroclors have been qualified, "UJ." All extracts were analyzed within forty (40) days in accordance with the analytical method requirements.

3.2 Surrogate Recovery

All samples are spiked with surrogate compounds prior to sample preparation/extraction to evaluate overall laboratory performance and efficiency of the analytical technique. Additionally, the sample itself may produce effects due to such factors as interferences and high concentrations of analytes. Since the effects of the sample matrix are frequently outside the control of the laboratory and may present relatively unique problems, the evaluation of the data is dependent upon reextraction and/or reanalysis to confirm/negate laboratory error or matrix related problems. No qualifications were applied if one of the spiked surrogates is above acceptance limits on one of the two columns. Discussion of surrogate recoveries that fell outside (above/below) QC guidelines is itemized below:

Pesticides/PCBs:

Acceptable surrogate recovery values for TCX and DCB were observed.

Herbicides:

Acceptable surrogate recovery values for DCAA were observed for analysis.

3.3 Matrix Spikes (MS)/Matrix Spike Duplicates (MSD)

The MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices.

The National Functional Guidelines indicate that MS/MSD data alone shall not be utilized to qualify sample data.

MS/MSD analysis of SB-4 (18-20) yielded acceptable Pesticide, PCB and Herbicide spike recovery and RPD.

3.4 Laboratory Control Sample

The LCS data for laboratory control samples (LCS) are generated to provide information on the accuracy of the analytical method and on the laboratory performance.

LCS/Blank Spikes were analyzed for each analytical extraction batch for Pesticides/PCBs and Herbicides. Recovery values were acceptable. RPD for Heptachlor (22%) and Endosulfan Sulfate (24%) fell outside limits for the aqueous Pesticide LCS. Based on professional judgment, the data was not qualified based on these outliers.

3.5 Blanks

Quality assurance (QA) blanks; i.e. method, instrument, trip and field blanks are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Instrument blanks measure carryover for cross contamination. Field blanks measure cross-contamination of samples during field operations.

The following table was utilized to qualify target analyte results due to contamination. The largest value from all the associated blanks is required to be utilized:

For:	Flag Sample Result with a "U" when:	Report CRQL & Qualify "U" when:	No Qualification is Needed when:
Any Contaminant	Sample Conc. is >CRQL, but $\leq 5 \times$ blank value	Sample Conc. Is <CRQL and $\leq 5 \times$ blank value	Sample Conc. is >CRQL and $> 5 \times$ blank value

Extraction and Instrument blanks were performed at the appropriate frequency.

Below is a summary of blank contamination:

A) Method Blank Contamination:

No target analytes were detected in the associated Herbicide method blank. Aroclor 1254 was detected in the aqueous PCB blank associated with the Field Blank. This PCB was also detected in the field blank. The laboratory reextracted the Field Blank one day outside holding time and no PCBs were detected. The reextracted data is included in this summary report and all PCB non-detects have been qualified, "UJ."

The aqueous Pesticide method blank was determined o contain 4,4'-DDT at 0.016 ug/L. This Pesticide analyte was not detected in the associated Field Blank. Sample results are not impacted.

No additional data validation qualifiers were required based upon method blank data.

B) Field Blank Contamination:

No target analytes were detected in the Field Blank.

3.6 Calibration Verification

Initial and continuing calibration sequence was performed as required for individual and multi-component Pesticide, PCB and Herbicide standards. Acceptable DDT and Endrin breakdown percent difference (<20%) was observed. Acceptable retention times were obtained for all analysis and GC resolution is acceptable for both columns.

Linearity criteria for the initial standards have been satisfied for both columns as detailed below:

%RSD $\leq$ 20% for single component compounds except alpha-BHC and delta-BHC

%RSD $\leq$ 30% for Toxaphene peaks

%RSD $\leq$ 30% for surrogates (TCMX and DCB)

%RSD $<$ 20% for PCB aroclors

%RSD $<$ 20% for Silvex (Herbicide)

Continuing calibration verifications:

For Pesticide analysis, acceptable percent difference for any pesticide is 20% and for PCB analysis, the acceptable limit is 15%.

Calibrations met method requirements for Pesticide/PCBs/Herbicides on either Channel A or B.

3.7 Field Duplicates

Field duplicate samples are collected and analyzed as an indication of overall precision. These results are expected to have more variability than laboratory duplicate samples. No target Pesticides, PCBs or Herbicides were detected in the field duplicate pair.

3.8 Target Compound Identification

Qualitative criteria for compound identification have been established to minimize the number of false positives and false negatives. The retention times of all target analytes have been verified in the samples to that of the analyzed reference standards

Acceptable DDT/Endrin breakdown was observed.

Positive Pesticide/PCB/Herbicide sample results are compared and where %Difference $>$ 25% when quantitated on the two columns the qualifications below are applied. Sample chromatograms were reviewed for the presence of interference. The following qualifications were applied where neither column shows interference:

%Difference	Qualifier
0-25%	None
26-70%	"J"
71-100%	"JN"
101-200% (no interference)	"R"
101-200% (interference detected)	** "JN"
$>$ 50% (Pesticide value is $<$ CRQL)	** "U"
$>$ 201%	"R"

***When the reported %D is 101-200%, but interference is determined on either column, the results shall be qualified, "JN"**

**** When the reported pesticide value is lower than the CRQL, and the %D is >50%, raise the value to the CRQL and qualify "U", undetected.**

Sample results were evaluated based on the above criteria. No qualifications to the data was required.

3.9 Compound Quantification and Reported Detection Limits

TCL compounds are identified on the GC by using the analyte's relative retention time (RRT) and by comparison to the primary column and the secondary confirmation column data.

Samples were analyzed via the Internal Standard Method.

3.10 Overall System Performance

Acceptable system performance was maintained throughout the analysis of all samples. Good resolution and chromatographic performance were observed.

Soils samples were concentrated to 1ml for Pesticides and PCBs and 10ml for Herbicides. This is acceptable practice and method compliant. The laboratory reporting levels reflect the appropriate extraction concentration volume.

Pesticide analysis for S1-E (0-0.5) was analyzed at a 1:10 dilution. Reporting limits have been adjusted accordingly. No target pesticides were detected in this sample location. Sample chromatogram documents a non-target peak that the laboratory has narrated prevented undiluted analysis.

The laboratory has reported the Cis (Alpha) and Trans (Gamma) isomers of Chlordane which are single component pesticides. Technical Chlordane; a multicomponent pesticide that consists of many isomers has also been reported/evaluated by the laboratory.

4.0 Target Analyte List (23) Metals by ICP/Cold Vapor SW846 Methods 6010C/7471B/7470A

The following method criteria were reviewed: holding times, CRDL standards, calibration, blanks, MS, laboratory duplicates, LCS, interference check sample, ICP serial dilutions and sample results verification. The soil results are valid and usable with the appropriate qualifiers as notated in the following text:

4.1 Holding Times

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the technical holding time is exceeded, the data may not be considered valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimates, "J". The non-detects (sample quantitation limits) are required to be flagged as estimated, "J", or unusable, "R", if the holding times are grossly exceeded.

Samples were digested and analyzed for TAL (23) Metals within the method required holding times and the technical holding times for data validation. No qualifications were applied based upon holding time criteria.

4.2 Calibration (ICV/CCV)

Satisfactory instrument calibration is established to ensure that the instruments can produce acceptable quantitative data. An initial calibration demonstrates that the instruments can give acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instruments are giving satisfactory sequential performance and that the initial calibration is still valid.

The ICP and Mercury instruments were calibrated utilizing a minimum of a four-point curve in addition to blanks at the beginning of each analytical run. The calibrations have been determined to be acceptable, yielding correlation coefficients of 0.995 or greater.

For ICP analysis, satisfactory instrument performance near the Contract Required Detection Limit (CRDL) was demonstrated by analyzing a CRDL standard at the beginning and end of the analytical run. The instruments were calibrated properly by analyzing the CRDL solution at

the correct levels and analyzed at the required frequency at the beginning and end of each analytical run.

All recoveries were within acceptable limits of 90-110 % for initial calibration pertaining to field samples.

Continuing calibrations were within acceptable limits of 90-110% recovery of the true values for ICP and Mercury (80-120%) for all field samples.

No qualifications were applied based upon ICV/CCV analysis.

4.3 Blanks

Quality assurance (QA) blanks, i.e. method, field or preparation blanks are prepared to identify any contamination that may have been introduced into the samples during sample preparation or field activity. Preparation blanks measure laboratory contamination. Field blanks measure cross-contamination of samples during field operations.

All digestion/prep/ICB/CCB/Field blanks were generated within acceptable limits yielding final concentrations less than the CRDL.

The soil preparation blank has Iron (2.74 mg/kg). Sample results were evaluated to the blank levels and since sample concentrations were significantly higher than the blank levels, no qualifications were applied. Sample results are not impacted.

No elements were detected in the water preparation blank associated with the field blank.

Low levels of Aluminum, Arsenic, Selenium, Iron, Magnesium, Sodium, thallium, Beryllium, Lead, Calcium, Chromium, Manganese and Iron were detected in many of the ICBs/CCBs. Calibration levels were significantly lower than sample detections. Results are not impacted.

Field Blank also resulted in low Antimony, Calcium and Iron detections. Since soil results were greater than the blank levels when converted to mg/kg, no qualifications were required.

No qualifications to the data were made based upon blank contamination.

4.4 Spiked Sample Recovery

The spike data are generated to determine the long terms precision and accuracy of the analytical method in various matrices.

Soil spike recoveries are qualified based on the criteria below:

<30% - "R" all detects and non-detects

Between 30%-74% - results $\geq$ MDL "J" and non-detects "UJ"

Between 126-150% - results $\geq$ MDL "J" and

>150% - results $\geq$ MDL "R"

MS/MSD analysis of SB-4 (18-20) resulted in low Calcium (68%/60%).

Results in the parent sample have been qualified, "J-" biased low.

Acceptable post digestion spike recoveries were obtained for this element.

Aluminum, Iron, Magnesium, Manganese and Potassium recovered outside acceptance limits, however, since the sample concentrations were greater than 4x the spike level, the recoveries are not applicable. Post digestion spike for Aluminum and Iron recovered high. Results for these elements have been qualified, "J+."

Batch MS was also provided in the data package. Sample results were not qualified based on batch QC (samples submitted from a different site).

4.5 Laboratory/Field Duplicates

The laboratory uses duplicate sample determinations to demonstrate acceptable method precision at the time of analysis. Duplicate analyses are also performed to generate data to determine the long-term precision of the analytical method on various matrices.

Laboratory Duplicates:

RPD $>20\%$ but $<100\%$ - J detected concentrations

RPD $\geq 100\%$ - R all detected and non-detected concentrations

Batch laboratory duplicate was submitted. No qualifications were applied based on non-site-specific samples.

Field Duplicates:

RPD $\geq 35\%$ but $<120\%$ - qualify sample and duplicate results $\geq$ CRQL "J"

RPD $\geq 120\%$ - reject sample and duplicate results $\geq$ CRQL "R"

Field Duplicate analysis of SB-1 (20-21) as SB-1 (20-21) DUP resulted in acceptable precision for all elements.

4.6 Laboratory Control Sample

The laboratory Control Sample (LCS) serves as a monitor of the overall performance of each step during the analysis, including the sample preparation. Aqueous and solid Laboratory Control samples shall be analyzed for each analyte utilizing the same sample preparation, analytical methods and QA/QC procedures as employed for the samples.

The LCS was analyzed and reported for all ICP and Mercury analysis. Associated LCS recoveries were within the acceptable limits for Metals analyses (80-120%).

4.7 Interference Check Sample

The interference check sample (ICS) verifies the laboratory's interelement and background correction factors. The ICS consists of two solutions A and AB. Solution A consists of interference, and solution AB consists of the analytes mixed with interferents.

SW846 Method 6010 requires solution A and solution AB to be analyzed separately. The recoveries for the ICP interference check sample were all within the acceptable limits of 80-120%. No data qualifications were made based upon ICS analysis.

4.8 ICP Serial Dilution

The serial dilution of samples quantitated by ICP determines whether significant physical or chemical interferences exist due to sample matrix. An ICP serial dilution analysis must be performed on a sample for each group of samples with a similar matrix type and concentration, or for each Sample Delivery Group (SDG), whichever is more frequent.

Acceptable ICP serial dilutions were performed at a 5-fold dilution as required by the method where the initial concentration is equal or greater than 50x MDL. Serial dilution analyses agree within a 10% difference of the original determination after correction for dilution for all reported elements on SB-4 (18-20).

4.9 Sample Results Verification

Analyte quantitation was generated in accordance with protocols. The raw data was verified and found within the linear range of each instrument used for quantitation. Raw data supplied corresponds with reported values. Verification of the calculations yielded reported results.

4.10 Overall Assessment of Data

The data generated were of acceptable quality. For the Metals analysis results are usable at the concentrations presented in the validated Form I's. Samples were analyzed at various dilutions due to spectral interferences as reported on the Form I's.

5.0 General Chemistry Analysis – Cyanide and Hexavalent/Trivalent Chromium

Total Cyanide and Hexavalent Chromium analysis was performed as required on the chain of custody documents. Trivalent Chromium was reported by calculation from the Total and Hexavalent Chromium analysis. The results are valid and usable with qualification as notated in the following text.

5.1 Holding Times

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the technical holding time is exceeded, the data may not be considered valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimates, "J". The non-detects (sample quantitation limits) are required to be flagged as estimated, "J", or unusable, "R", if the holding times are grossly exceeded.

Analysis was performed within the method holding time of 14 days from collection to distillation and 14 days from distillation to analysis for Cyanide and 28 days from collection for Hexavalent Chromium for soil samples. Field Blank analysis for Hexavalent Chromium was performed outside 24 hours from collection. Cr+6 was detected in the Field Blank at 0.007 mg/L. Analysis was repeated and confirmed at 0.006 mg/L. Raw data was reviewed. Associated sample results are not impacted since Hexavalent Chromium was not detected in any of the associated soil samples. The Cr+6 results in the Field Blank have been qualified, "J-."

5.2 Calibration

Acceptable ICVs and CCVs were analyzed. No qualifications were applied based upon calibration data.

5.3 Blanks

Quality assurance (QA) blanks, i.e. method, field or preparation blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Preparation blanks measure laboratory contamination. Field blanks measure cross-contamination of samples during field operations.

Acceptable method blanks were analyzed. Cyanide was not detected in the Field Blank. The laboratory confirmed detection for Cr+6 in the Field Blank has been qualified, "J-." No additional qualifications were required based on blank data.

5.4 Spiked Sample Recovery

The spike data are generated to determine the long-term precision and accuracy of the analytical method in various matrices.

MS analysis for Cyanide was performed on SB-4 (18-2). Acceptable recovery values (94%/91%) were obtained. Batch Cyanide MS/MSD was also provided in the data package. No qualifications were applied for non-site-specific QC.

Hexavalent Chromium MS of SB-2 (13-14) resulted in acceptable recovery value of 109%. Additionally, MS analysis of SB-4 (18-20) resulted in low (74%) recovery. MSD was acceptable for this sample (92%). Non-detects in the parent sample have been qualified, "UJ."

5.5 Laboratory/Field Duplicates

The laboratory uses duplicate sample determinations to demonstrate acceptable method precision at the time of analysis. Duplicate analyses are also performed to generate data to determine the long-term precision of the analytical method on various matrices.

Lab duplicate analysis was analyzed on SB-2 (13-14) and SB-4 (18-20) for Cr+6. Acceptable precision was observed.

Field duplicate resulted in acceptable precision.

5.6 Laboratory Control Sample

The laboratory Control Sample (LCS) serves as a monitor of the overall performance of each step during the analysis, including the sample preparation. Aqueous and solid Laboratory Control samples shall be analyzed for each analyte utilizing the same sample preparation, analytical methods and QA/QC procedures as employed for the samples.

Acceptable LCS and LCS Duplicate was analyzed.

5.7 Sample Results Verification

Analyte quantitation was generated in accordance with protocols. The instrument logs were verified and found within the linear ranges of the instrument used for quantitation.

5.8 Overall Assessment of Data

The data was of acceptable quality.

Reviewer's Signature Joe A. Beyer Date 09/17/2018

**Appendix A
Chain of Custody Documents
and Sample Receipt Checklists**

NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 6 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193		Service Centers Mahwah, NJ 07430: 35 Whitway 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 5/24/18 ALPHA Job # 1819157	
Client Information Client: Teneo Envi Address: Phone: Fax: Email: mcastro@teneo-environment.com		Project Information Project Name: 2135 Westchester Project Location: Bronx Project # (Use Project name as Project #) X Project Manager: Muthu Carroll ALPHA Quote #: Turn-Around Time Standard X Rush (only if pre approved) ☐		Deliverables ☐ ASP-A ☒ ASP-B ☐ EQUIS (1 File) ☐ EQUIS (4 File) ☐ Other		Billing Information Same as Client Info PO #	
These samples have been previously analyzed by Alpha ☐ Other project specific requirements/comments:		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		Sample Filtration ☐ Done ☐ Lab to do Preservation ☐ Lab to do (Please Specify below) Sample Specific Comments	
Please specify Metals or TAL		ANALYSIS		Container Type		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)	
ALPHA Lab ID (Lab Use Only)		Sample ID		Sample Matrix		Sampler's Initials	
19157-01		SB-5(1-2)		S		CZ	
02		SB-5(1-5)		S		CZ	
03		SB-2(1-5)		S		CZ	
04		SB-2(1-5)		S		CZ	
05		SB-3(1-5)		S		CZ	
06		SB-3(1-5)		S		CZ	
07		SB-1(1-5)		S		CZ	
08		SB-1(20-21)		S		CZ	
09		SB-1(20-21) DUP		S		CZ	
10		SB-4(1-4)		S		CZ	
Preservative Code: P = None A = 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 AcNH ₄ OH O = Other		Container Code: P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Relinquished By: George McNamee Daniel Santos AA Date/Time: 5/19/18 10:50 5/24/18 18:30 5/24/18 23:20	
Received By: George McNamee Daniel Santos AA Date/Time: 5/24/18 10:50 5/24/18 18:30 5/24/18 23:20		Received By: George McNamee Daniel Santos AA Date/Time: 5/24/18 10:50 5/24/18 18:30 5/24/18 23:20		Received By: George McNamee Daniel Santos AA Date/Time: 5/24/18 10:50 5/24/18 18:30 5/24/18 23:20		Received By: George McNamee Daniel Santos AA Date/Time: 5/24/18 10:50 5/24/18 18:30 5/24/18 23:20	

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

**NEW YORK
CHAIN OF
CUSTODY**

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3286

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Project Information
Project Name: 7135 Westchester
Project Location: Bre-X
Project #
(Use Project name as Project #) 1
Project Manager: Mark Cornell
ALPHAQuote #:
Turn-Around Time
Standard ☒ Rush (only if pre approved) ☐
Due Date: 5/24/18
of Days: 1

Client Information
Client: Tanen Envi
Address:
Phone:
Fax:
Email: mark@tanen-envi.com

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

Please specify Metals or TAL.

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	Container Type	Preservative	Relinquished By:	Date/Time	Received By:	Date/Time
		Date	Time								
14167-11	S13-4 (18-20)	5/23/18	1550	S	CZ	E	A	George Wagoner	5/24/18 1030	George Wagoner	5/24/18 1050
12	S1-5 (0-0.5)		1336	I	I	A	A	George Wagoner	5/24/18 1830	George Wagoner	5/24/18 1830
13	S1-E (0-0.5)		1354	I	I	A	A	George Wagoner	5/24/18 1830	George Wagoner	5/24/18 1830
14	S1-C (0.5-1)		1354	I	I	A	A	George Wagoner	5/24/18 1830	George Wagoner	5/24/18 1830
15	S1-N (0.5-1.5)		1407	I	I	A	A	George Wagoner	5/24/18 1830	George Wagoner	5/24/18 1830
16	Field Blank		1600	W	I	A	A	George Wagoner	5/24/18 2320	George Wagoner	5/24/18 2320
17	Trip Blank										

Deliverables
☐ ASP-A ☒ ASP-B ☐ EQUIS (1 File) ☐ EQUIS (4 File) ☐ Other

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

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

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

Sample Specific Comments

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.)



Sample Delivery Group Summary

Alpha Job Number : L1819157

Received : 24-MAY-2018

Reviewer : Ryan Morrissey

Account Name : Tenen Environmental, LLC

Project Number : 2135 WESTCHESTER

Project Name : 2135 WESTCHESTER

Delivery Information

Samples Delivered By : Alpha Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	2.3	
B	Absent/	Ice	2.5	
C	Absent/	Ice	4.0	
D	Absent/	Ice	3.1	

Condition Information

All samples on COC received? YES

Extra samples received? YES

Following additional samples were received: -18

Are there any sample container discrepancies? NO

Are there any discrepancies between sample labels & COC? YES

L1819157-10: SB-4 (1-4) vs. SB-4 (0-5)

Are samples in appropriate containers for requested analysis? YES

Are samples properly preserved for requested analysis? YES

Are samples within holding time for requested analysis? YES

All sampling equipment returned? NA

Volatile Organics/VPH

Reagent Water Vials Frozen by Client? NO

Appendix B
Case Narrative

Project Name: 2135 WESTCHESTER
Project Number: 2135 WESTCHESTER

Lab Number: L1819157
Report Date: 06/01/18

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. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated 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.

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 table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

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 Client Service Representative 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 Client Services at 800-624-9220 with any questions.

Project Name: 2135 WESTCHESTER
Project Number: 2135 WESTCHESTER

Lab Number: L1819157
Report Date: 06/01/18

Case Narrative (continued)

Report Submission

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

Sample Receipt

The analyses performed were specified by the client.

L1819157-10: The sample identified as "SB-4 (1-4)" on the chain of custody was identified as "SB-4 (0-5)" on the container label. At the client's request, the sample is reported as "SB-4 (0-5)".

L1819157-18: A sample identified as "S1-W (0-1)" was received but not listed on the Chain of Custody. At the client's request, this sample was analyzed.

Semivolatile Organics

The WG1119963-4/-5 MS/MSD recoveries, performed on L1819157-11, are below the acceptance criteria for benzoic acid (0%/0%) due to the concentration of this compound falling below the reported detection limit.

PCBs

The WG1120074-1 Method Blank has concentrations above the reporting limits for Aroclor 1254. The sample was re-extracted with the method required holding time exceeded and both the sample and method blank were non-detect for this target compound. The results of both extractions are reported, along with the re-extract QC. The original sample result is reported with B qualifier.

Pesticides

L1819157-13: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

Herbicides

The surrogate recoveries for the WG1120035-1 Method Blank, associated with L1819157-01 through -15 and -18, are below the acceptance criteria for dcaa (0%). The associated samples are non-detect and have

for 9/10/18



Project Name: 2135 WESTCHESTER
Project Number: 2135 WESTCHESTER

Lab Number: L1819157
Report Date: 06/01/18

Case Narrative (continued)

acceptable surrogate recoveries; therefore, no further actions were taken.

Total Metals

L1819157-01 through -15 and -18: 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 WG1120672-1 Method Blank, associated with L1819157-01 through -15 and -18, has a concentration above the reporting limit for Iron. Since the associated sample concentrations are greater than 10x the blank concentration for this analyte, no corrective action is required.

The WG1120672-3/-4 MS/MSD recoveries for aluminum (0%/0%), iron (0%/0%), magnesium (40%/71%), manganese (0%/0%) and potassium (12%/56%), performed on L1819157-11, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG1120672-3/-4 MS/MSD recoveries, performed on L1819157-11, are outside the acceptance criteria for calcium (68%/60%). A post digestion spike was performed and was within acceptance criteria.

Cyanide, Total

The WG1119672-3 LCSD recovery (73%), associated with L1819157-01 through -08, is outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

The WG1119679-3 LCSD recovery (74%), associated with L1819157-09 through -15, and -18, is outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

Hexavalent Chromium

L1819157-16 was analyzed with the method required holding time exceeded.

The WG1120042-4 Insoluble MS recovery (74%), performed on L1819157-11, is outside the acceptance criteria. The Soluble MS recovery (58%) was also outside criteria. This has been attributed to matrix interference. A post-spike was performed with a recovery of 106%.

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:  Amita Naik

Report Date: 06/01/18

Title: Technical Director/Representative

Appendix C
Data Summary Form I's
with Qualifications
VOA/SVOA

Form 1 VOA

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-01
 Client ID : SB-5 (1-2)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8260C
 Lab File ID : V00180530N07
 Sample Amount : 6.0 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 09:55
 Date Received : 05/24/18
 Date Analyzed : 05/30/18 20:23
 Dilution Factor : 1
 Analyst : MV
 Instrument ID : VOA100
 GC Column : RTX-VMS
 %Solids : 87
 Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	1.8	9.6	1.6	J
75-34-3	1,1-Dichloroethane	ND	1.4	0.26	U
67-66-3	Chloroform	ND	1.4	0.36	U
56-23-5	Carbon tetrachloride	ND	0.96	0.33	U
78-87-5	1,2-Dichloropropane	ND	3.4	0.22	U
124-48-1	Dibromochloromethane	ND	0.96	0.17	U
79-00-5	1,1,2-Trichloroethane	ND	1.4	0.30	U
127-18-4	Tetrachloroethene	ND	0.96	0.29	U
108-90-7	Chlorobenzene	ND	0.96	0.33	U
75-69-4	Trichlorofluoromethane	ND	4.8	0.40	U
107-06-2	1,2-Dichloroethane	ND	0.96	0.24	U
71-55-6	1,1,1-Trichloroethane	ND	0.96	0.34	U
75-27-4	Bromodichloromethane	ND	0.96	0.30	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.96	0.20	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.96	0.22	U
542-75-6	1,3-Dichloropropene, Total	ND	0.96	0.20	U
563-58-6	1,1-Dichloropropene	ND	4.8	0.32	U
75-25-2	Bromoform	ND	3.8	0.23	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.96	0.29	U
71-43-2	Benzene	ND	0.96	0.18	U
108-88-3	Toluene	ND	1.4	0.19	U
100-41-4	Ethylbenzene	ND	0.96	0.16	U
74-87-3	Chloromethane	ND	4.8	0.42	U
74-83-9	Bromomethane	ND	1.9	0.32	U
75-01-4	Vinyl chloride	ND	1.9	0.30	U
75-00-3	Chloroethane	ND	1.9	0.30	U
75-35-4	1,1-Dichloroethene	ND	0.96	0.36	U



Form 1 VOA

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-01
 Client ID : SB-5 (1-2)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8260C
 Lab File ID : V00180530N07
 Sample Amount : 6.0 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 09:55
 Date Received : 05/24/18
 Date Analyzed : 05/30/18 20:23
 Dilution Factor : 1
 Analyst : MV
 Instrument ID : VOA100
 GC Column : RTX-VMS
 %Solids : 87
 Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	1.4	0.23	U
79-01-6	Trichloroethene	ND	0.96	0.29	U
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.17	U
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.21	U
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.17	U
1634-04-4	Methyl tert butyl ether	ND	1.9	0.15	U
179601-23-1	p/m-Xylene	ND	1.9	0.34	U
95-47-6	o-Xylene	ND	1.9	0.32	U
1330-20-7	Xylenes, Total	ND	1.9	0.32	U
156-59-2	cis-1,2-Dichloroethene	ND	0.96	0.33	U
540-59-0	1,2-Dichloroethene, Total	ND	0.96	0.23	U
74-95-3	Dibromomethane	ND	9.6	0.23	U
100-42-5	Styrene	ND	1.9	0.38	U
75-71-8	Dichlorodifluoromethane	ND	9.6	0.48	U
67-64-1	Acetone	ND	9.6	2.2	U
75-15-0	Carbon disulfide	ND	9.6	1.0	U
78-93-3	2-Butanone	ND	9.6	0.66	U
108-05-4	Vinyl acetate	ND	9.6	0.15	U
108-10-1	4-Methyl-2-pentanone	ND	9.6	0.23	U
96-18-4	1,2,3-Trichloropropane	ND	9.6	0.17	U
591-78-6	2-Hexanone	ND	9.6	0.64	U
74-97-5	Bromochloromethane	ND	4.8	0.34	U
594-20-7	2,2-Dichloropropane	ND	4.8	0.43	U
106-93-4	1,2-Dibromoethane	ND	3.8	0.19	U
142-28-9	1,3-Dichloropropane	ND	4.8	0.18	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.96	0.30	U
108-86-1	Bromobenzene	ND	4.8	0.21	U



Form 1 VOA

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-01
 Client ID : SB-5 (1-2)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8260C
 Lab File ID : V00180530N07
 Sample Amount : 6.0 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 09:55
 Date Received : 05/24/18
 Date Analyzed : 05/30/18 20:23
 Dilution Factor : 1
 Analyst : MV
 Instrument ID : VOA100
 GC Column : RTX-VMS
 %Solids : 87
 Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
104-51-8	n-Butylbenzene	ND	0.96	0.22	U
135-98-8	sec-Butylbenzene	ND	0.96	0.21	U
98-06-6	tert-Butylbenzene	ND	4.8	0.24	U
95-49-8	o-Chlorotoluene	ND	4.8	0.21	U
106-43-4	p-Chlorotoluene	ND	4.8	0.18	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.8	0.38	U
87-68-3	Hexachlorobutadiene	ND	4.8	0.33	U
98-82-8	Isopropylbenzene	ND	0.96	0.19	U
99-87-6	p-Isopropyltoluene	ND	0.96	0.19	U
91-20-3	Naphthalene	ND	4.8	0.13	U
107-13-1	Acrylonitrile	ND	9.6	0.49	U
103-65-1	n-Propylbenzene	ND	0.96	0.21	U
87-61-6	1,2,3-Trichlorobenzene	ND	4.8	0.24	U
120-82-1	1,2,4-Trichlorobenzene	ND	4.8	0.21	U
108-67-8	1,3,5-Trimethylbenzene	ND	4.8	0.15	U
95-63-6	1,2,4-Trimethylbenzene	ND	4.8	0.18	U
123-91-1	1,4-Dioxane	ND	38	14.	U - R
105-05-5	p-Diethylbenzene	ND	3.8	3.8	U
622-96-8	p-Ethyltoluene	ND	3.8	0.22	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	3.8	0.15	U
60-29-7	Ethyl ether	ND	4.8	0.25	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	4.8	0.38	U

Jon
9/11/18



Form 1 VOA

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-02
 Client ID : SB-5 (15-17)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8260C
 Lab File ID : V00180530N08
 Sample Amount : 4.7 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 10:00
 Date Received : 05/24/18
 Date Analyzed : 05/30/18 20:49
 Dilution Factor : 1
 Analyst : MV
 Instrument ID : VOA100
 GC Column : RTX-VMS
 %Solids : 90
 Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	3.3	12	2.0	J
75-34-3	1,1-Dichloroethane	ND	1.8	0.32	U
67-66-3	Chloroform	ND	1.8	0.44	U
56-23-5	Carbon tetrachloride	ND	1.2	0.41	U
78-87-5	1,2-Dichloropropane	ND	4.2	0.27	U
124-48-1	Dibromochloromethane	ND	1.2	0.21	U
79-00-5	1,1,2-Trichloroethane	ND	1.8	0.37	U
127-18-4	Tetrachloroethene	ND	1.2	0.36	U
108-90-7	Chlorobenzene	ND	1.2	0.41	U
75-69-4	Trichlorofluoromethane	ND	5.9	0.50	U
107-06-2	1,2-Dichloroethane	ND	1.2	0.29	U
71-55-6	1,1,1-Trichloroethane	ND	1.2	0.42	U
75-27-4	Bromodichloromethane	ND	1.2	0.37	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.2	0.25	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.2	0.27	U
542-75-6	1,3-Dichloropropene, Total	ND	1.2	0.25	U
563-58-6	1,1-Dichloropropene	ND	5.9	0.39	U
75-25-2	Bromoform	ND	4.8	0.28	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.2	0.35	U
71-43-2	Benzene	ND	1.2	0.23	U
108-88-3	Toluene	ND	1.8	0.23	U
100-41-4	Ethylbenzene	ND	1.2	0.20	U
74-87-3	Chloromethane	ND	5.9	0.52	U
74-83-9	Bromomethane	ND	2.4	0.40	U
75-01-4	Vinyl chloride	ND	2.4	0.37	U
75-00-3	Chloroethane	ND	2.4	0.38	U
75-35-4	1,1-Dichloroethene	ND	1.2	0.44	U



Form 1 VOA

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-02
 Client ID : SB-5 (15-17)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8260C
 Lab File ID : V00180530N08
 Sample Amount : 4.7 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 10:00
 Date Received : 05/24/18
 Date Analyzed : 05/30/18 20:49
 Dilution Factor : 1
 Analyst : MV
 Instrument ID : VOA100
 GC Column : RTX-VMS
 %Solids : 90
 Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	1.8	0.29	U
79-01-6	Trichloroethene	ND	1.2	0.36	U
95-50-1	1,2-Dichlorobenzene	ND	5.9	0.22	U
541-73-1	1,3-Dichlorobenzene	ND	5.9	0.26	U
106-46-7	1,4-Dichlorobenzene	ND	5.9	0.22	U
1634-04-4	Methyl tert butyl ether	ND	2.4	0.18	U
179601-23-1	p/m-Xylene	ND	2.4	0.42	U
95-47-6	o-Xylene	ND	2.4	0.40	U
1330-20-7	Xylenes, Total	ND	2.4	0.40	U
156-59-2	cis-1,2-Dichloroethene	ND	1.2	0.41	U
540-59-0	1,2-Dichloroethene, Total	ND	1.2	0.29	U
74-95-3	Dibromomethane	ND	12	0.28	U
100-42-5	Styrene	ND	2.4	0.48	U
75-71-8	Dichlorodifluoromethane	ND	12	0.59	U
67-64-1	Acetone	ND	12	2.7	U
75-15-0	Carbon disulfide	ND	12	1.3	U
78-93-3	2-Butanone	ND	12	0.82	U
108-05-4	Vinyl acetate	ND	12	0.18	U
108-10-1	4-Methyl-2-pentanone	ND	12	0.29	U
96-18-4	1,2,3-Trichloropropane	ND	12	0.21	U
591-78-6	2-Hexanone	ND	12	0.79	U
74-97-5	Bromochloromethane	ND	5.9	0.42	U
594-20-7	2,2-Dichloropropane	ND	5.9	0.53	U
106-93-4	1,2-Dibromoethane	ND	4.8	0.24	U
142-28-9	1,3-Dichloropropane	ND	5.9	0.22	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.2	0.38	U
108-86-1	Bromobenzene	ND	5.9	0.26	U



Form 1 VOA

Client : Tenen Environmental, LLC
Project Name : 2135 WESTCHESTER
Lab ID : L1819157-02
Client ID : SB-5 (15-17)
Sample Location : BRONX, NY
Sample Matrix : SOIL
Analytical Method : 1,8260C
Lab File ID : V00180530N08
Sample Amount : 4.7 g
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1819157
Project Number : 2135 WESTCHESTER
Date Collected : 05/23/18 10:00
Date Received : 05/24/18
Date Analyzed : 05/30/18 20:49
Dilution Factor : 1
Analyst : MV
Instrument ID : VOA100
GC Column : RTX-VMS
%Solids : 90
Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
104-51-8	n-Butylbenzene	ND	1.2	0.27	U
135-98-8	sec-Butylbenzene	ND	1.2	0.26	U
98-06-6	tert-Butylbenzene	ND	5.9	0.29	U
95-49-8	o-Chlorotoluene	ND	5.9	0.26	U
106-43-4	p-Chlorotoluene	ND	5.9	0.22	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.9	0.47	U
87-68-3	Hexachlorobutadiene	ND	5.9	0.41	U
98-82-8	Isopropylbenzene	ND	1.2	0.23	U
99-87-6	p-Isopropyltoluene	ND	1.2	0.24	U
91-20-3	Naphthalene	ND	5.9	0.16	U
107-13-1	Acrylonitrile	ND	12	0.61	U
103-65-1	n-Propylbenzene	ND	1.2	0.26	U
87-61-6	1,2,3-Trichlorobenzene	ND	5.9	0.30	U
120-82-1	1,2,4-Trichlorobenzene	ND	5.9	0.26	U
108-67-8	1,3,5-Trimethylbenzene	ND	5.9	0.19	U
95-63-6	1,2,4-Trimethylbenzene	ND	5.9	0.22	U
123-91-1	1,4-Dioxane	ND	48	17.	U R
105-05-5	p-Diethylbenzene	ND	4.8	4.8	U
622-96-8	p-Ethyltoluene	ND	4.8	0.28	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	4.8	0.18	U
60-29-7	Ethyl ether	ND	5.9	0.31	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.9	0.46	U

8/17/18



Form 1 VOA

Client : Tenen Environmental, LLC
Project Name : 2135 WESTCHESTER
Lab ID : L1819157-03
Client ID : SB-2 (1-5)
Sample Location : BRONX, NY
Sample Matrix : SOIL
Analytical Method : 1,8260C
Lab File ID : V00180530N09
Sample Amount : 5.8 g
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1819157
Project Number : 2135 WESTCHESTER
Date Collected : 05/23/18 10:45
Date Received : 05/24/18
Date Analyzed : 05/30/18 21:14
Dilution Factor : 1
Analyst : MV
Instrument ID : VOA100
GC Column : RTX-VMS
%Solids : 85
Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	1.7	10	1.7	J
75-34-3	1,1-Dichloroethane	ND	1.5	0.27	U
67-66-3	Chloroform	ND	1.5	0.37	U
56-23-5	Carbon tetrachloride	ND	1.0	0.35	U
78-87-5	1,2-Dichloropropane	ND	3.5	0.23	U
124-48-1	Dibromochloromethane	ND	1.0	0.18	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.32	U
127-18-4	Tetrachloroethene	ND	1.0	0.30	U
108-90-7	Chlorobenzene	ND	1.0	0.35	U
75-69-4	Trichlorofluoromethane	ND	5.0	0.42	U
107-06-2	1,2-Dichloroethane	ND	1.0	0.25	U
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.35	U
75-27-4	Bromodichloromethane	ND	1.0	0.31	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.23	U
542-75-6	1,3-Dichloropropene, Total	ND	1.0	0.21	U
563-58-6	1,1-Dichloropropene	ND	5.0	0.33	U
75-25-2	Bromoform	ND	4.0	0.24	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	U
71-43-2	Benzene	ND	1.0	0.20	U
108-88-3	Toluene	ND	1.5	0.20	U
100-41-4	Ethylbenzene	ND	1.0	0.17	U
74-87-3	Chloromethane	ND	5.0	0.44	U
74-83-9	Bromomethane	ND	2.0	0.34	U
75-01-4	Vinyl chloride	ND	2.0	0.32	U
75-00-3	Chloroethane	ND	2.0	0.32	U
75-35-4	1,1-Dichloroethene	ND	1.0	0.38	U



Form 1 VOA

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-03
 Client ID : SB-2 (1-5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8260C
 Lab File ID : V00180530N09
 Sample Amount : 5.8 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 10:45
 Date Received : 05/24/18
 Date Analyzed : 05/30/18 21:14
 Dilution Factor : 1
 Analyst : MV
 Instrument ID : VOA100
 GC Column : RTX-VMS
 %Solids : 85
 Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	1.5	0.24	U
79-01-6	Trichloroethene	ND	1.0	0.30	U
95-50-1	1,2-Dichlorobenzene	ND	5.0	0.18	U
541-73-1	1,3-Dichlorobenzene	ND	5.0	0.22	U
106-46-7	1,4-Dichlorobenzene	ND	5.0	0.18	U
1634-04-4	Methyl tert butyl ether	ND	2.0	0.15	U
179601-23-1	p/m-Xylene	ND	2.0	0.35	U
95-47-6	o-Xylene	ND	2.0	0.34	U
1330-20-7	Xylenes, Total	ND	2.0	0.34	U
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.34	U
540-59-0	1,2-Dichloroethene, Total	ND	1.0	0.24	U
74-95-3	Dibromomethane	ND	10	0.24	U
100-42-5	Styrene	ND	2.0	0.40	U
75-71-8	Dichlorodifluoromethane	ND	10	0.50	U
67-64-1	Acetone	ND	10	2.3	U
75-15-0	Carbon disulfide	ND	10	1.1	U
78-93-3	2-Butanone	ND	10	0.70	U
108-05-4	Vinyl acetate	ND	10	0.15	U
108-10-1	4-Methyl-2-pentanone	ND	10	0.25	U
96-18-4	1,2,3-Trichloropropane	ND	10	0.18	U
591-78-6	2-Hexanone	ND	10	0.67	U
74-97-5	Bromochloromethane	ND	5.0	0.36	U
594-20-7	2,2-Dichloropropane	ND	5.0	0.45	U
106-93-4	1,2-Dibromoethane	ND	4.0	0.20	U
142-28-9	1,3-Dichloropropane	ND	5.0	0.18	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.32	U
108-86-1	Bromobenzene	ND	5.0	0.22	U



Form 1 VOA

Client : Tenen Environmental, LLC
Project Name : 2135 WESTCHESTER
Lab ID : L1819157-03
Client ID : SB-2 (1-5)
Sample Location : BRONX, NY
Sample Matrix : SOIL
Analytical Method : 1,8260C
Lab File ID : V00180530N09
Sample Amount : 5.8 g
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1819157
Project Number : 2135 WESTCHESTER
Date Collected : 05/23/18 10:45
Date Received : 05/24/18
Date Analyzed : 05/30/18 21:14
Dilution Factor : 1
Analyst : MV
Instrument ID : VOA100
GC Column : RTX-VMS
%Solids : 85
Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
104-51-8	n-Butylbenzene	ND	1.0	0.23	U
135-98-8	sec-Butylbenzene	ND	1.0	0.22	U
98-06-6	tert-Butylbenzene	ND	5.0	0.25	U
95-49-8	o-Chlorotoluene	ND	5.0	0.22	U
106-43-4	p-Chlorotoluene	ND	5.0	0.18	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	0.40	U
87-68-3	Hexachlorobutadiene	ND	5.0	0.35	U
98-82-8	Isopropylbenzene	ND	1.0	0.20	U
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	U
91-20-3	Naphthalene	ND	5.0	0.14	U
107-13-1	Acrylonitrile	ND	10	0.52	U
103-65-1	n-Propylbenzene	ND	1.0	0.22	U
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.25	U
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.22	U
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	0.16	U
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.19	U
123-91-1	1,4-Dioxane	ND	40	14.	U <i>R</i>
105-05-5	p-Diethylbenzene	ND	4.0	4.0	U
622-96-8	p-Ethyltoluene	ND	4.0	0.24	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	4.0	0.16	U
60-29-7	Ethyl ether	ND	5.0	0.26	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.0	0.40	U

Jan
9/11/18



Form 1 VOA

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-04
 Client ID : SB-2 (13-14)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8260C
 Lab File ID : V00180530N10
 Sample Amount : 4.6 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 11:05
 Date Received : 05/24/18
 Date Analyzed : 05/30/18 21:40
 Dilution Factor : 1
 Analyst : MV
 Instrument ID : VOA100
 GC Column : RTX-VMS
 %Solids : 79
 Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	3.4	14	2.3	J
75-34-3	1,1-Dichloroethane	ND	2.1	0.37	U
67-66-3	Chloroform	ND	2.1	0.51	U
56-23-5	Carbon tetrachloride	ND	1.4	0.48	U
78-87-5	1,2-Dichloropropane	ND	4.8	0.31	U
124-48-1	Dibromochloromethane	ND	1.4	0.24	U
79-00-5	1,1,2-Trichloroethane	ND	2.1	0.43	U
127-18-4	Tetrachloroethene	ND	1.4	0.42	U
108-90-7	Chlorobenzene	ND	1.4	0.48	U
75-69-4	Trichlorofluoromethane	ND	6.9	0.58	U
107-06-2	1,2-Dichloroethane	ND	1.4	0.34	U
71-55-6	1,1,1-Trichloroethane	ND	1.4	0.48	U
75-27-4	Bromodichloromethane	ND	1.4	0.42	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.4	0.29	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.4	0.32	U
542-75-6	1,3-Dichloropropene, Total	ND	1.4	0.29	U
563-58-6	1,1-Dichloropropene	ND	6.9	0.45	U
75-25-2	Bromoform	ND	5.5	0.33	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.4	0.41	U
71-43-2	Benzene	ND	1.4	0.27	U
108-88-3	Toluene	ND	2.1	0.27	U
100-41-4	Ethylbenzene	ND	1.4	0.23	U
74-87-3	Chloromethane	ND	6.9	0.60	U
74-83-9	Bromomethane	ND	2.8	0.47	U
75-01-4	Vinyl chloride	ND	2.8	0.43	U
75-00-3	Chloroethane	ND	2.8	0.44	U
75-35-4	1,1-Dichloroethene	ND	1.4	0.51	U



Form 1 VOA

Client : Tenen Environmental, LLC
Project Name : 2135 WESTCHESTER
Lab ID : L1819157-04
Client ID : SB-2 (13-14)
Sample Location : BRONX, NY
Sample Matrix : SOIL
Analytical Method : 1,8260C
Lab File ID : V00180530N10
Sample Amount : 4.6 g
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1819157
Project Number : 2135 WESTCHESTER
Date Collected : 05/23/18 11:05
Date Received : 05/24/18
Date Analyzed : 05/30/18 21:40
Dilution Factor : 1
Analyst : MV
Instrument ID : VOA100
GC Column : RTX-VMS
%Solids : 79
Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.1	0.33	U
79-01-6	Trichloroethene	ND	1.4	0.42	U
95-50-1	1,2-Dichlorobenzene	ND	6.9	0.25	U
541-73-1	1,3-Dichlorobenzene	ND	6.9	0.30	U
106-46-7	1,4-Dichlorobenzene	ND	6.9	0.25	U
1634-04-4	Methyl tert butyl ether	ND	2.8	0.21	U
179601-23-1	p/m-Xylene	ND	2.8	0.48	U
95-47-6	o-Xylene	ND	2.8	0.47	U
1330-20-7	Xylenes, Total	ND	2.8	0.47	U
156-59-2	cis-1,2-Dichloroethene	ND	1.4	0.47	U
540-59-0	1,2-Dichloroethene, Total	ND	1.4	0.33	U
74-95-3	Dibromomethane	ND	14	0.33	U
100-42-5	Styrene	ND	2.8	0.55	U
75-71-8	Dichlorodifluoromethane	ND	14	0.69	U
67-64-1	Acetone	ND	14	3.2	U
75-15-0	Carbon disulfide	ND	14	1.5	U
78-93-3	2-Butanone	ND	14	0.95	U
108-05-4	Vinyl acetate	ND	14	0.21	U
108-10-1	4-Methyl-2-pentanone	ND	14	0.34	U
96-18-4	1,2,3-Trichloropropane	ND	14	0.24	U
591-78-6	2-Hexanone	ND	14	0.92	U
74-97-5	Bromochloromethane	ND	6.9	0.49	U
594-20-7	2,2-Dichloropropane	ND	6.9	0.62	U
106-93-4	1,2-Dibromoethane	ND	5.5	0.27	U
142-28-9	1,3-Dichloropropane	ND	6.9	0.25	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.4	0.44	U
108-86-1	Bromobenzene	ND	6.9	0.30	U



Form 1 VOA

Client : Tenen Environmental, LLC
Project Name : 2135 WESTCHESTER
Lab ID : L1819157-04
Client ID : SB-2 (13-14)
Sample Location : BRONX, NY
Sample Matrix : SOIL
Analytical Method : 1,8260C
Lab File ID : V00180530N10
Sample Amount : 4.6 g
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1819157
Project Number : 2135 WESTCHESTER
Date Collected : 05/23/18 11:05
Date Received : 05/24/18
Date Analyzed : 05/30/18 21:40
Dilution Factor : 1
Analyst : MV
Instrument ID : VOA100
GC Column : RTX-VMS
%Solids : 79
Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
104-51-8	n-Butylbenzene	ND	1.4	0.31	U
135-98-8	sec-Butylbenzene	ND	1.4	0.30	U
98-06-6	tert-Butylbenzene	ND	6.9	0.34	U
95-49-8	o-Chlorotoluene	ND	6.9	0.30	U
106-43-4	p-Chlorotoluene	ND	6.9	0.25	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.9	0.55	U
87-68-3	Hexachlorobutadiene	ND	6.9	0.48	U
98-82-8	Isopropylbenzene	ND	1.4	0.27	U
99-87-6	p-Isopropyltoluene	ND	1.4	0.28	U
91-20-3	Naphthalene	ND	6.9	0.19	U
107-13-1	Acrylonitrile	ND	14	0.71	U
103-65-1	n-Propylbenzene	ND	1.4	0.30	U
87-61-6	1,2,3-Trichlorobenzene	ND	6.9	0.35	U
120-82-1	1,2,4-Trichlorobenzene	ND	6.9	0.30	U
108-67-8	1,3,5-Trimethylbenzene	ND	6.9	0.22	U
95-63-6	1,2,4-Trimethylbenzene	ND	6.9	0.26	U
123-91-1	1,4-Dioxane	ND	55	20.	U R
105-05-5	p-Diethylbenzene	ND	5.5	5.5	U
622-96-8	p-Ethyltoluene	ND	5.5	0.32	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	5.5	0.22	U
60-29-7	Ethyl ether	ND	6.9	0.36	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	6.9	0.54	U

for
9/11/18



Form 1 VOA

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-05
 Client ID : SB-3 (15-16)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8260C
 Lab File ID : V00180530N11
 Sample Amount : 6.1 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 12:05
 Date Received : 05/24/18
 Date Analyzed : 05/30/18 22:06
 Dilution Factor : 1
 Analyst : MV
 Instrument ID : VOA100
 GC Column : RTX-VMS
 %Solids : 86
 Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	2.3	9.5	1.6	J
75-34-3	1,1-Dichloroethane	ND	1.4	0.26	U
67-66-3	Chloroform	ND	1.4	0.35	U
56-23-5	Carbon tetrachloride	ND	0.95	0.33	U
78-87-5	1,2-Dichloropropane	ND	3.3	0.22	U
124-48-1	Dibromochloromethane	ND	0.95	0.17	U
79-00-5	1,1,2-Trichloroethane	ND	1.4	0.30	U
127-18-4	Tetrachloroethene	5.7	0.95	0.29	
108-90-7	Chlorobenzene	ND	0.95	0.33	U
75-69-4	Trichlorofluoromethane	ND	4.7	0.40	U
107-06-2	1,2-Dichloroethane	ND	0.95	0.23	U
71-55-6	1,1,1-Trichloroethane	ND	0.95	0.33	U
75-27-4	Bromodichloromethane	ND	0.95	0.29	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.95	0.20	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.95	0.22	U
542-75-6	1,3-Dichloropropene, Total	ND	0.95	0.20	U
563-58-6	1,1-Dichloropropene	ND	4.7	0.31	U
75-25-2	Bromoform	ND	3.8	0.22	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.95	0.28	U
71-43-2	Benzene	ND	0.95	0.18	U
108-88-3	Toluene	ND	1.4	0.18	U
100-41-4	Ethylbenzene	ND	0.95	0.16	U
74-87-3	Chloromethane	ND	4.7	0.41	U
74-83-9	Bromomethane	ND	1.9	0.32	U
75-01-4	Vinyl chloride	ND	1.9	0.30	U
75-00-3	Chloroethane	ND	1.9	0.30	U
75-35-4	1,1-Dichloroethene	ND	0.95	0.35	U



Form 1 VOA

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-05
 Client ID : SB-3 (15-16)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8260C
 Lab File ID : V00180530N11
 Sample Amount : 6.1 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 12:05
 Date Received : 05/24/18
 Date Analyzed : 05/30/18 22:06
 Dilution Factor : 1
 Analyst : MV
 Instrument ID : VOA100
 GC Column : RTX-VMS
 %Solids : 86
 Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	1.4	0.23	U
79-01-6	Trichloroethene	ND	0.95	0.29	U
95-50-1	1,2-Dichlorobenzene	ND	4.7	0.17	U
541-73-1	1,3-Dichlorobenzene	ND	4.7	0.21	U
106-46-7	1,4-Dichlorobenzene	ND	4.7	0.17	U
1634-04-4	Methyl tert butyl ether	ND	1.9	0.14	U
179601-23-1	p/m-Xylene	ND	1.9	0.33	U
95-47-6	o-Xylene	ND	1.9	0.32	U
1330-20-7	Xylenes, Total	ND	1.9	0.32	U
156-59-2	cis-1,2-Dichloroethene	ND	0.95	0.32	U
540-59-0	1,2-Dichloroethene, Total	ND	0.95	0.23	U
74-95-3	Dibromomethane	ND	9.5	0.23	U
100-42-5	Styrene	ND	1.9	0.38	U
75-71-8	Dichlorodifluoromethane	ND	9.5	0.47	U
67-64-1	Acetone	ND	9.5	2.2	U
75-15-0	Carbon disulfide	ND	9.5	1.0	U
78-93-3	2-Butanone	ND	9.5	0.66	U
108-05-4	Vinyl acetate	ND	9.5	0.14	U
108-10-1	4-Methyl-2-pentanone	ND	9.5	0.23	U
96-18-4	1,2,3-Trichloropropane	ND	9.5	0.17	U
591-78-6	2-Hexanone	ND	9.5	0.63	U
74-97-5	Bromochloromethane	ND	4.7	0.34	U
594-20-7	2,2-Dichloropropane	ND	4.7	0.43	U
106-93-4	1,2-Dibromoethane	ND	3.8	0.19	U
142-28-9	1,3-Dichloropropane	ND	4.7	0.17	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.95	0.30	U
108-86-1	Bromobenzene	ND	4.7	0.21	U



Form 1 VOA

Client : Tenen Environmental, LLC
Project Name : 2135 WESTCHESTER
Lab ID : L1819157-05
Client ID : SB-3 (15-16)
Sample Location : BRONX, NY
Sample Matrix : SOIL
Analytical Method : 1,8260C
Lab File ID : V00180530N11
Sample Amount : 6.1 g
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1819157
Project Number : 2135 WESTCHESTER
Date Collected : 05/23/18 12:05
Date Received : 05/24/18
Date Analyzed : 05/30/18 22:06
Dilution Factor : 1
Analyst : MV
Instrument ID : VOA100
GC Column : RTX-VMS
%Solids : 86
Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
104-51-8	n-Butylbenzene	ND	0.95	0.22	U
135-98-8	sec-Butylbenzene	ND	0.95	0.21	U
98-06-6	tert-Butylbenzene	ND	4.7	0.23	U
95-49-8	o-Chlorotoluene	ND	4.7	0.21	U
106-43-4	p-Chlorotoluene	ND	4.7	0.17	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.7	0.38	U
87-68-3	Hexachlorobutadiene	ND	4.7	0.33	U
98-82-8	Isopropylbenzene	ND	0.95	0.18	U
99-87-6	p-Isopropyltoluene	ND	0.95	0.19	U
91-20-3	Naphthalene	ND	4.7	0.13	U
107-13-1	Acrylonitrile	ND	9.5	0.49	U
103-65-1	n-Propylbenzene	ND	0.95	0.20	U
87-61-6	1,2,3-Trichlorobenzene	ND	4.7	0.24	U
120-82-1	1,2,4-Trichlorobenzene	ND	4.7	0.20	U
108-67-8	1,3,5-Trimethylbenzene	ND	4.7	0.15	U
95-63-6	1,2,4-Trimethylbenzene	ND	4.7	0.18	U
123-91-1	1,4-Dioxane	ND	38	14.	U R
105-05-5	p-Diethylbenzene	ND	3.8	3.8	U
622-96-8	p-Ethyltoluene	ND	3.8	0.22	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	3.8	0.15	U
60-29-7	Ethyl ether	ND	4.7	0.25	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	4.7	0.37	U

for
9/11/18



Form 1 VOA

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-06
 Client ID : SB-3 (1-5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8260C
 Lab File ID : V00180530N12
 Sample Amount : 6.5 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 12:00
 Date Received : 05/24/18
 Date Analyzed : 05/30/18 22:32
 Dilution Factor : 1
 Analyst : MV
 Instrument ID : VOA100
 GC Column : RTX-VMS
 %Solids : 84
 Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	1.8	9.1	1.5	J
75-34-3	1,1-Dichloroethane	ND	1.4	0.25	U
67-66-3	Chloroform	ND	1.4	0.34	U
56-23-5	Carbon tetrachloride	ND	0.91	0.32	U
78-87-5	1,2-Dichloropropane	ND	3.2	0.21	U
124-48-1	Dibromochloromethane	ND	0.91	0.16	U
79-00-5	1,1,2-Trichloroethane	ND	1.4	0.28	U
127-18-4	Tetrachloroethene	ND	0.91	0.28	U
108-90-7	Chlorobenzene	ND	0.91	0.32	U
75-69-4	Trichlorofluoromethane	ND	4.6	0.38	U
107-06-2	1,2-Dichloroethane	ND	0.91	0.22	U
71-55-6	1,1,1-Trichloroethane	ND	0.91	0.32	U
75-27-4	Bromodichloromethane	ND	0.91	0.28	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.91	0.19	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.91	0.21	U
542-75-6	1,3-Dichloropropene, Total	ND	0.91	0.19	U
563-58-6	1,1-Dichloropropene	ND	4.6	0.30	U
75-25-2	Bromoform	ND	3.6	0.22	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.91	0.27	U
71-43-2	Benzene	ND	0.91	0.18	U
108-88-3	Toluene	ND	1.4	0.18	U
100-41-4	Ethylbenzene	ND	0.91	0.16	U
74-87-3	Chloromethane	ND	4.6	0.40	U
74-83-9	Bromomethane	ND	1.8	0.31	U
75-01-4	Vinyl chloride	ND	1.8	0.29	U
75-00-3	Chloroethane	ND	1.8	0.29	U
75-35-4	1,1-Dichloroethene	ND	0.91	0.34	U



Form 1 VOA

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-06
 Client ID : SB-3 (1-5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8260C
 Lab File ID : V00180530N12
 Sample Amount : 6.5 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 12:00
 Date Received : 05/24/18
 Date Analyzed : 05/30/18 22:32
 Dilution Factor : 1
 Analyst : MV
 Instrument ID : VOA100
 GC Column : RTX-VMS
 %Solids : 84
 Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	1.4	0.22	U
79-01-6	Trichloroethene	ND	0.91	0.28	U
95-50-1	1,2-Dichlorobenzene	ND	4.6	0.17	U
541-73-1	1,3-Dichlorobenzene	ND	4.6	0.20	U
106-46-7	1,4-Dichlorobenzene	ND	4.6	0.17	U
1634-04-4	Methyl tert butyl ether	ND	1.8	0.14	U
179601-23-1	p/m-Xylene	ND	1.8	0.32	U
95-47-6	o-Xylene	ND	1.8	0.31	U
1330-20-7	Xylenes, Total	ND	1.8	0.31	U
156-59-2	cis-1,2-Dichloroethene	ND	0.91	0.31	U
540-59-0	1,2-Dichloroethene, Total	ND	0.91	0.22	U
74-95-3	Dibromomethane	ND	9.1	0.22	U
100-42-5	Styrene	ND	1.8	0.37	U
75-71-8	Dichlorodifluoromethane	ND	9.1	0.46	U
67-64-1	Acetone	ND	9.1	2.1	U
75-15-0	Carbon disulfide	ND	9.1	1.0	U
78-93-3	2-Butanone	ND	9.1	0.63	U
108-05-4	Vinyl acetate	ND	9.1	0.14	U
108-10-1	4-Methyl-2-pentanone	ND	9.1	0.22	U
96-18-4	1,2,3-Trichloropropane	ND	9.1	0.16	U
591-78-6	2-Hexanone	ND	9.1	0.61	U
74-97-5	Bromochloromethane	ND	4.6	0.33	U
594-20-7	2,2-Dichloropropane	ND	4.6	0.41	U
106-93-4	1,2-Dibromoethane	ND	3.6	0.18	U
142-28-9	1,3-Dichloropropane	ND	4.6	0.17	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.91	0.29	U
108-86-1	Bromobenzene	ND	4.6	0.20	U



Form 1 VOA

Client : Tenen Environmental, LLC
Project Name : 2135 WESTCHESTER
Lab ID : L1819157-06
Client ID : SB-3 (1-5)
Sample Location : BRONX, NY
Sample Matrix : SOIL
Analytical Method : 1,8260C
Lab File ID : V00180530N12
Sample Amount : 6.5 g
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1819157
Project Number : 2135 WESTCHESTER
Date Collected : 05/23/18 12:00
Date Received : 05/24/18
Date Analyzed : 05/30/18 22:32
Dilution Factor : 1
Analyst : MV
Instrument ID : VOA100
GC Column : RTX-VMS
%Solids : 84
Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
104-51-8	n-Butylbenzene	ND	0.91	0.21	U
135-98-8	sec-Butylbenzene	ND	0.91	0.20	U
98-06-6	tert-Butylbenzene	ND	4.6	0.22	U
95-49-8	o-Chlorotoluene	ND	4.6	0.20	U
106-43-4	p-Chlorotoluene	ND	4.6	0.17	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.6	0.36	U
87-68-3	Hexachlorobutadiene	ND	4.6	0.32	U
98-82-8	Isopropylbenzene	ND	0.91	0.18	U
99-87-6	p-Isopropyltoluene	ND	0.91	0.18	U
91-20-3	Naphthalene	ND	4.6	0.13	U
107-13-1	Acrylonitrile	ND	9.1	0.47	U
103-65-1	n-Propylbenzene	ND	0.91	0.20	U
87-61-6	1,2,3-Trichlorobenzene	ND	4.6	0.23	U
120-82-1	1,2,4-Trichlorobenzene	ND	4.6	0.20	U
108-67-8	1,3,5-Trimethylbenzene	ND	4.6	0.15	U
95-63-6	1,2,4-Trimethylbenzene	ND	4.6	0.17	U
123-91-1	1,4-Dioxane	ND	36	13.	U-R
105-05-5	p-Diethylbenzene	ND	3.6	3.6	U
622-96-8	p-Ethyltoluene	ND	3.6	0.21	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	3.6	0.14	U
60-29-7	Ethyl ether	ND	4.6	0.24	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	4.6	0.36	U

for 9/11/18



Form 1 VOA

Client : Tenen Environmental, LLC
Project Name : 2135 WESTCHESTER
Lab ID : L1819157-07
Client ID : SB-1 (1-5)
Sample Location : BRONX, NY
Sample Matrix : SOIL
Analytical Method : 1,8260C
Lab File ID : V00180531A11
Sample Amount : 5.4 g
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1819157
Project Number : 2135 WESTCHESTER
Date Collected : 05/23/18 14:05
Date Received : 05/24/18
Date Analyzed : 05/31/18 11:04
Dilution Factor : 1
Analyst : MV
Instrument ID : VOA100
GC Column : RTX-VMS
%Solids : 87
Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	11	1.8	U
75-34-3	1,1-Dichloroethane	ND	1.6	0.29	U
67-66-3	Chloroform	ND	1.6	0.39	U
56-23-5	Carbon tetrachloride	ND	1.1	0.37	U <i>UJ</i>
78-87-5	1,2-Dichloropropane	ND	3.7	0.24	U
124-48-1	Dibromochloromethane	ND	1.1	0.19	U
79-00-5	1,1,2-Trichloroethane	ND	1.6	0.33	U
127-18-4	Tetrachloroethene	ND	1.1	0.32	U
108-90-7	Chlorobenzene	ND	1.1	0.37	U
75-69-4	Trichlorofluoromethane	ND	5.3	0.44	U
107-06-2	1,2-Dichloroethane	ND	1.1	0.26	U
71-55-6	1,1,1-Trichloroethane	ND	1.1	0.37	U
75-27-4	Bromodichloromethane	ND	1.1	0.33	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.1	0.22	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.1	0.25	U
542-75-6	1,3-Dichloropropene, Total	ND	1.1	0.22	U
563-58-6	1,1-Dichloropropene	ND	5.3	0.35	U
75-25-2	Bromoform	ND	4.3	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.1	0.32	U
71-43-2	Benzene	ND	1.1	0.20	U
108-88-3	Toluene	ND	1.6	0.21	U
100-41-4	Ethylbenzene	ND	1.1	0.18	U
74-87-3	Chloromethane	ND	5.3	0.46	U
74-83-9	Bromomethane	ND	2.1	0.36	U
75-01-4	Vinyl chloride	ND	2.1	0.34	U
75-00-3	Chloroethane	ND	2.1	0.34	U
75-35-4	1,1-Dichloroethene	ND	1.1	0.40	U

Form 1 VOA

Client : Tenen Environmental, LLC
Project Name : 2135 WESTCHESTER
Lab ID : L1819157-07
Client ID : SB-1 (1-5)
Sample Location : BRONX, NY
Sample Matrix : SOIL
Analytical Method : 1,8260C
Lab File ID : V00180531A11
Sample Amount : 5.4 g
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1819157
Project Number : 2135 WESTCHESTER
Date Collected : 05/23/18 14:05
Date Received : 05/24/18
Date Analyzed : 05/31/18 11:04
Dilution Factor : 1
Analyst : MV
Instrument ID : VOA100
GC Column : RTX-VMS
%Solids : 87
Injection Volume : N/A

CAS NO.	Parameter	Results	ug/Kg		Qualifier
			RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	1.6	0.26	U
79-01-6	Trichloroethene	ND	1.1	0.32	U
95-50-1	1,2-Dichlorobenzene	ND	5.3	0.19	U
541-73-1	1,3-Dichlorobenzene	ND	5.3	0.23	U
106-46-7	1,4-Dichlorobenzene	ND	5.3	0.19	U
1634-04-4	Methyl tert butyl ether	ND	2.1	0.16	U
179601-23-1	p/m-Xylene	ND	2.1	0.37	U
95-47-6	o-Xylene	ND	2.1	0.36	U
1330-20-7	Xylenes, Total	ND	2.1	0.36	U
156-59-2	cis-1,2-Dichloroethene	ND	1.1	0.36	U
540-59-0	1,2-Dichloroethene, Total	ND	1.1	0.26	U
74-95-3	Dibromomethane	ND	11	0.25	U
100-42-5	Styrene	ND	2.1	0.43	U
75-71-8	Dichlorodifluoromethane	ND	11	0.53	U
67-64-1	Acetone	ND	11	2.4	U
75-15-0	Carbon disulfide	ND	11	1.2	U
78-93-3	2-Butanone	ND	11	0.74	U
108-05-4	Vinyl acetate	ND	11	0.16	U
108-10-1	4-Methyl-2-pentanone	ND	11	0.26	U
96-18-4	1,2,3-Trichloropropane	ND	11	0.19	U
591-78-6	2-Hexanone	ND	11	0.71	U
74-97-5	Bromochloromethane	ND	5.3	0.38	U
594-20-7	2,2-Dichloropropane	ND	5.3	0.48	U
106-93-4	1,2-Dibromoethane	ND	4.3	0.21	U
142-28-9	1,3-Dichloropropane	ND	5.3	0.20	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.1	0.34	U
108-86-1	Bromobenzene	ND	5.3	0.23	U



Form 1 VOA

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-07
 Client ID : SB-1 (1-5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8260C
 Lab File ID : V00180531A11
 Sample Amount : 5.4 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 14:05
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 11:04
 Dilution Factor : 1
 Analyst : MV
 Instrument ID : VOA100
 GC Column : RTX-VMS
 %Solids : 87
 Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
104-51-8	n-Butylbenzene	ND	1.1	0.24	U
135-98-8	sec-Butylbenzene	ND	1.1	0.23	U
98-06-6	tert-Butylbenzene	ND	5.3	0.26	U
95-49-8	o-Chlorotoluene	ND	5.3	0.24	U
106-43-4	p-Chlorotoluene	ND	5.3	0.20	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.3	0.42	U
87-68-3	Hexachlorobutadiene	ND	5.3	0.37	U
98-82-8	Isopropylbenzene	ND	1.1	0.21	U
99-87-6	p-Isopropyltoluene	ND	1.1	0.22	U
91-20-3	Naphthalene	ND	5.3	0.15	U
107-13-1	Acrylonitrile	ND	11	0.55	U
103-65-1	n-Propylbenzene	ND	1.1	0.23	U
87-61-6	1,2,3-Trichlorobenzene	ND	5.3	0.27	U
120-82-1	1,2,4-Trichlorobenzene	ND	5.3	0.23	U
108-67-8	1,3,5-Trimethylbenzene	ND	5.3	0.17	U
95-63-6	1,2,4-Trimethylbenzene	ND	5.3	0.20	U
123-91-1	1,4-Dioxane	ND	43	15.	U R
105-05-5	p-Diethylbenzene	ND	4.3	4.3	U
622-96-8	p-Ethyltoluene	ND	4.3	0.25	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	4.3	0.17	U
60-29-7	Ethyl ether	ND	5.3	0.28	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.3	0.42	U

for
9/11/18



Form 1 VOA

Client : Tenen Environmental, LLC
Project Name : 2135 WESTCHESTER
Lab ID : L1819157-08
Client ID : SB-1 (20-21)
Sample Location : BRONX, NY
Sample Matrix : SOIL
Analytical Method : 1,8260C
Lab File ID : V00180530N13
Sample Amount : 5.7 g
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1819157
Project Number : 2135 WESTCHESTER
Date Collected : 05/23/18 14:50
Date Received : 05/24/18
Date Analyzed : 05/30/18 22:58
Dilution Factor : 1
Analyst : MV
Instrument ID : VOA100
GC Column : RTX-VMS
%Solids : 82
Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	2.2	11	1.8	J
75-34-3	1,1-Dichloroethane	ND	1.6	0.29	U
67-66-3	Chloroform	ND	1.6	0.40	U
56-23-5	Carbon tetrachloride	ND	1.1	0.37	U
78-87-5	1,2-Dichloropropane	ND	3.7	0.24	U
124-48-1	Dibromochloromethane	ND	1.1	0.19	U
79-00-5	1,1,2-Trichloroethane	ND	1.6	0.34	U
127-18-4	Tetrachloroethene	45	1.1	0.32	
108-90-7	Chlorobenzene	ND	1.1	0.37	U
75-69-4	Trichlorofluoromethane	ND	5.4	0.45	U
107-06-2	1,2-Dichloroethane	ND	1.1	0.26	U
71-55-6	1,1,1-Trichloroethane	ND	1.1	0.37	U
75-27-4	Bromodichloromethane	ND	1.1	0.33	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.1	0.22	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.1	0.25	U
542-75-6	1,3-Dichloropropene, Total	ND	1.1	0.22	U
563-58-6	1,1-Dichloropropene	ND	5.4	0.35	U
75-25-2	Bromoform	ND	4.3	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.1	0.32	U
71-43-2	Benzene	ND	1.1	0.21	U
108-88-3	Toluene	ND	1.6	0.21	U
100-41-4	Ethylbenzene	ND	1.1	0.18	U
74-87-3	Chloromethane	ND	5.4	0.47	U
74-83-9	Bromomethane	ND	2.1	0.36	U
75-01-4	Vinyl chloride	ND	2.1	0.34	U
75-00-3	Chloroethane	ND	2.1	0.34	U
75-35-4	1,1-Dichloroethene	ND	1.1	0.40	U



Form 1 VOA

Client : Tenen Environmental, LLC
Project Name : 2135 WESTCHESTER
Lab ID : L1819157-08
Client ID : SB-1 (20-21)
Sample Location : BRONX, NY
Sample Matrix : SOIL
Analytical Method : 1,8260C
Lab File ID : V00180530N13
Sample Amount : 5.7 g
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1819157
Project Number : 2135 WESTCHESTER
Date Collected : 05/23/18 14:50
Date Received : 05/24/18
Date Analyzed : 05/30/18 22:58
Dilution Factor : 1
Analyst : MV
Instrument ID : VOA100
GC Column : RTX-VMS
%Solids : 82
Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	1.6	0.26	U
79-01-6	Trichloroethene	2.2	1.1	0.32	
95-50-1	1,2-Dichlorobenzene	ND	5.4	0.19	U
541-73-1	1,3-Dichlorobenzene	ND	5.4	0.23	U
106-46-7	1,4-Dichlorobenzene	ND	5.4	0.19	U
1634-04-4	Methyl tert butyl ether	ND	2.1	0.16	U
179601-23-1	p/m-Xylene	ND	2.1	0.38	U
95-47-6	o-Xylene	ND	2.1	0.36	U
1330-20-7	Xylenes, Total	ND	2.1	0.36	U
156-59-2	cis-1,2-Dichloroethene	0.90	1.1	0.37	J
540-59-0	1,2-Dichloroethene, Total	0.90	1.1	0.26	J
74-95-3	Dibromomethane	ND	11	0.26	U
100-42-5	Styrene	ND	2.1	0.43	U
75-71-8	Dichlorodifluoromethane	ND	11	0.54	U
67-64-1	Acetone	ND	11	2.4	U
75-15-0	Carbon disulfide	ND	11	1.2	U
78-93-3	2-Butanone	ND	11	0.74	U
108-05-4	Vinyl acetate	ND	11	0.16	U
108-10-1	4-Methyl-2-pentanone	ND	11	0.26	U
96-18-4	1,2,3-Trichloropropane	ND	11	0.19	U
591-78-6	2-Hexanone	ND	11	0.71	U
74-97-5	Bromochloromethane	ND	5.4	0.38	U
594-20-7	2,2-Dichloropropane	ND	5.4	0.48	U
106-93-4	1,2-Dibromoethane	ND	4.3	0.21	U
142-28-9	1,3-Dichloropropane	ND	5.4	0.20	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.1	0.34	U
108-86-1	Bromobenzene	ND	5.4	0.23	U



Form 1 VOA

Client : Tenen Environmental, LLC
Project Name : 2135 WESTCHESTER
Lab ID : L1819157-08
Client ID : SB-1 (20-21)
Sample Location : BRONX, NY
Sample Matrix : SOIL
Analytical Method : 1,8260C
Lab File ID : V00180530N13
Sample Amount : 5.7 g
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1819157
Project Number : 2135 WESTCHESTER
Date Collected : 05/23/18 14:50
Date Received : 05/24/18
Date Analyzed : 05/30/18 22:58
Dilution Factor : 1
Analyst : MV
Instrument ID : VOA100
GC Column : RTX-VMS
%Solids : 82
Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
104-51-8	n-Butylbenzene	ND	1.1	0.24	U
135-98-8	sec-Butylbenzene	ND	1.1	0.23	U
98-06-6	tert-Butylbenzene	ND	5.4	0.26	U
95-49-8	o-Chlorotoluene	ND	5.4	0.24	U
106-43-4	p-Chlorotoluene	ND	5.4	0.20	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.4	0.42	U
87-68-3	Hexachlorobutadiene	ND	5.4	0.37	U
98-82-8	Isopropylbenzene	ND	1.1	0.21	U
99-87-6	p-Isopropyltoluene	ND	1.1	0.22	U
91-20-3	Naphthalene	ND	5.4	0.15	U
107-13-1	Acrylonitrile	ND	11	0.55	U
103-65-1	n-Propylbenzene	ND	1.1	0.23	U
87-61-6	1,2,3-Trichlorobenzene	ND	5.4	0.27	U
120-82-1	1,2,4-Trichlorobenzene	ND	5.4	0.23	U
108-67-8	1,3,5-Trimethylbenzene	ND	5.4	0.17	U
95-63-6	1,2,4-Trimethylbenzene	ND	5.4	0.20	U
123-91-1	1,4-Dioxane	ND	43	15.	U R
105-05-5	p-Diethylbenzene	ND	4.3	4.3	U
622-96-8	p-Ethyltoluene	ND	4.3	0.25	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	4.3	0.17	U
60-29-7	Ethyl ether	ND	5.4	0.28	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.4	0.42	U

for
9/11/18



Form 1 VOA

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-09
 Client ID : SB-1 (20-21) DUP
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8260C
 Lab File ID : V00180530N14
 Sample Amount : 5.7 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 14:55
 Date Received : 05/24/18
 Date Analyzed : 05/30/18 23:24
 Dilution Factor : 1
 Analyst : MV
 Instrument ID : VOA100
 GC Column : RTX-VMS
 %Solids : 81
 Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	2.7	11	1.8	J
75-34-3	1,1-Dichloroethane	ND	1.6	0.29	U
67-66-3	Chloroform	ND	1.6	0.40	U
56-23-5	Carbon tetrachloride	ND	1.1	0.37	U
78-87-5	1,2-Dichloropropane	ND	3.8	0.25	U
124-48-1	Dibromochloromethane	ND	1.1	0.19	U
79-00-5	1,1,2-Trichloroethane	ND	1.6	0.34	U
127-18-4	Tetrachloroethene	28	1.1	0.33	
108-90-7	Chlorobenzene	ND	1.1	0.38	U
75-69-4	Trichlorofluoromethane	ND	5.4	0.45	U
107-06-2	1,2-Dichloroethane	ND	1.1	0.27	U
71-55-6	1,1,1-Trichloroethane	ND	1.1	0.38	U
75-27-4	Bromodichloromethane	ND	1.1	0.33	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.1	0.22	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.1	0.25	U
542-75-6	1,3-Dichloropropene, Total	ND	1.1	0.22	U
563-58-6	1,1-Dichloropropene	ND	5.4	0.36	U
75-25-2	Bromoform	ND	4.3	0.26	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.1	0.32	U
71-43-2	Benzene	ND	1.1	0.21	U
108-88-3	Toluene	ND	1.6	0.21	U
100-41-4	Ethylbenzene	ND	1.1	0.18	U
74-87-3	Chloromethane	ND	5.4	0.47	U
74-83-9	Bromomethane	ND	2.2	0.37	U
75-01-4	Vinyl chloride	ND	2.2	0.34	U
75-00-3	Chloroethane	ND	2.2	0.34	U
75-35-4	1,1-Dichloroethene	ND	1.1	0.40	U



Form 1 VOA

Client : Tenen Environmental, LLC
Project Name : 2135 WESTCHESTER
Lab ID : L1819157-09
Client ID : SB-1 (20-21) DUP
Sample Location : BRONX, NY
Sample Matrix : SOIL
Analytical Method : 1,8260C
Lab File ID : V00180530N14
Sample Amount : 5.7 g
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1819157
Project Number : 2135 WESTCHESTER
Date Collected : 05/23/18 14:55
Date Received : 05/24/18
Date Analyzed : 05/30/18 23:24
Dilution Factor : 1
Analyst : MV
Instrument ID : VOA100
GC Column : RTX-VMS
%Solids : 81
Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	1.6	0.26	U
79-01-6	Trichloroethene	0.86	1.1	0.33	J - J -
95-50-1	1,2-Dichlorobenzene	ND	5.4	0.20	U
541-73-1	1,3-Dichlorobenzene	ND	5.4	0.24	U
106-46-7	1,4-Dichlorobenzene	ND	5.4	0.20	U
1634-04-4	Methyl tert butyl ether	ND	2.2	0.17	U
179601-23-1	p/m-Xylene	ND	2.2	0.38	U
95-47-6	o-Xylene	ND	2.2	0.37	U
1330-20-7	Xylenes, Total	ND	2.2	0.37	U
156-59-2	cis-1,2-Dichloroethene	ND	1.1	0.37	U
540-59-0	1,2-Dichloroethene, Total	ND	1.1	0.26	U
74-95-3	Dibromomethane	ND	11	0.26	U
100-42-5	Styrene	ND	2.2	0.44	U
75-71-8	Dichlorodifluoromethane	ND	11	0.54	U
67-64-1	Acetone	ND	11	2.5	U
75-15-0	Carbon disulfide	ND	11	1.2	U
78-93-3	2-Butanone	ND	11	0.75	U
108-05-4	Vinyl acetate	ND	11	0.17	U
108-10-1	4-Methyl-2-pentanone	ND	11	0.26	U
96-18-4	1,2,3-Trichloropropane	ND	11	0.19	U
591-78-6	2-Hexanone	ND	11	0.72	U
74-97-5	Bromochloromethane	ND	5.4	0.39	U
594-20-7	2,2-Dichloropropane	ND	5.4	0.49	U
106-93-4	1,2-Dibromoethane	ND	4.3	0.22	U
142-28-9	1,3-Dichloropropane	ND	5.4	0.20	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.1	0.34	U
108-86-1	Bromobenzene	ND	5.4	0.24	U

Form 1 VOA

Client : Tenen Environmental, LLC
Project Name : 2135 WESTCHESTER
Lab ID : L1819157-09
Client ID : SB-1 (20-21) DUP
Sample Location : BRONX, NY
Sample Matrix : SOIL
Analytical Method : 1,8260C
Lab File ID : V00180530N14
Sample Amount : 5.7 g
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1819157
Project Number : 2135 WESTCHESTER
Date Collected : 05/23/18 14:55
Date Received : 05/24/18
Date Analyzed : 05/30/18 23:24
Dilution Factor : 1
Analyst : MV
Instrument ID : VOA100
GC Column : RTX-VMS
%Solids : 81
Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
104-51-8	n-Butylbenzene	ND	1.1	0.25	U
135-98-8	sec-Butylbenzene	ND	1.1	0.24	U
98-06-6	tert-Butylbenzene	ND	5.4	0.27	U
95-49-8	o-Chlorotoluene	ND	5.4	0.24	U
106-43-4	p-Chlorotoluene	ND	5.4	0.20	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.4	0.43	U
87-68-3	Hexachlorobutadiene	ND	5.4	0.38	U
98-82-8	Isopropylbenzene	ND	1.1	0.21	U
99-87-6	p-Isopropyltoluene	ND	1.1	0.22	U
91-20-3	Naphthalene	ND	5.4	0.15	U
107-13-1	Acrylonitrile	ND	11	0.56	U
103-65-1	n-Propylbenzene	ND	1.1	0.23	U
87-61-6	1,2,3-Trichlorobenzene	ND	5.4	0.27	U
120-82-1	1,2,4-Trichlorobenzene	ND	5.4	0.23	U
108-67-8	1,3,5-Trimethylbenzene	ND	5.4	0.17	U
95-63-6	1,2,4-Trimethylbenzene	ND	5.4	0.20	U
123-91-1	1,4-Dioxane	ND	43	16.	U R
105-05-5	p-Diethylbenzene	ND	4.3	4.3	U
622-96-8	p-Ethyltoluene	ND	4.3	0.25	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	4.3	0.17	U
60-29-7	Ethyl ether	ND	5.4	0.28	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.4	0.42	U

for 9/11/18



Form 1 VOA

Client : Tenen Environmental, LLC
Project Name : 2135 WESTCHESTER
Lab ID : L1819157-10
Client ID : SB-4 (0-5)
Sample Location : BRONX, NY
Sample Matrix : SOIL
Analytical Method : 1,8260C
Lab File ID : V00180530N15
Sample Amount : 5.8 g
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1819157
Project Number : 2135 WESTCHESTER
Date Collected : 05/23/18 15:25
Date Received : 05/24/18
Date Analyzed : 05/30/18 23:50
Dilution Factor : 1
Analyst : MV
Instrument ID : VOA100
GC Column : RTX-VMS
%Solids : 88
Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	1.8	9.8	1.6	J
75-34-3	1,1-Dichloroethane	ND	1.5	0.26	U
67-66-3	Chloroform	ND	1.5	0.36	U
56-23-5	Carbon tetrachloride	ND	0.98	0.34	U
78-87-5	1,2-Dichloropropane	ND	3.4	0.22	U
124-48-1	Dibromochloromethane	ND	0.98	0.17	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.30	U
127-18-4	Tetrachloroethene	ND	0.98	0.29	U
108-90-7	Chlorobenzene	ND	0.98	0.34	U
75-69-4	Trichlorofluoromethane	ND	4.9	0.41	U
107-06-2	1,2-Dichloroethane	ND	0.98	0.24	U
71-55-6	1,1,1-Trichloroethane	ND	0.98	0.34	U
75-27-4	Bromodichloromethane	ND	0.98	0.30	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.98	0.20	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.98	0.22	U
542-75-6	1,3-Dichloropropene, Total	ND	0.98	0.20	U
563-58-6	1,1-Dichloropropene	ND	4.9	0.32	U
75-25-2	Bromoform	ND	3.9	0.23	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.98	0.29	U
71-43-2	Benzene	ND	0.98	0.19	U
108-88-3	Toluene	ND	1.5	0.19	U
100-41-4	Ethylbenzene	ND	0.98	0.16	U
74-87-3	Chloromethane	ND	4.9	0.42	U
74-83-9	Bromomethane	ND	2.0	0.33	U
75-01-4	Vinyl chloride	ND	2.0	0.31	U
75-00-3	Chloroethane	ND	2.0	0.31	U
75-35-4	1,1-Dichloroethene	ND	0.98	0.36	U



Form 1 VOA

Client : Tenen Environmental, LLC
Project Name : 2135 WESTCHESTER
Lab ID : L1819157-10
Client ID : SB-4 (0-5)
Sample Location : BRONX, NY
Sample Matrix : SOIL
Analytical Method : 1,8260C
Lab File ID : V00180530N15
Sample Amount : 5.8 g
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1819157
Project Number : 2135 WESTCHESTER
Date Collected : 05/23/18 15:25
Date Received : 05/24/18
Date Analyzed : 05/30/18 23:50
Dilution Factor : 1
Analyst : MV
Instrument ID : VOA100
GC Column : RTX-VMS
%Solids : 88
Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	1.5	0.24	U
79-01-6	Trichloroethene	ND	0.98	0.29	U
95-50-1	1,2-Dichlorobenzene	ND	4.9	0.18	U
541-73-1	1,3-Dichlorobenzene	ND	4.9	0.21	U
106-46-7	1,4-Dichlorobenzene	ND	4.9	0.18	U
1634-04-4	Methyl tert butyl ether	ND	2.0	0.15	U
179601-23-1	p/m-Xylene	ND	2.0	0.34	U
95-47-6	o-Xylene	ND	2.0	0.33	U
1330-20-7	Xylenes, Total	ND	2.0	0.33	U
156-59-2	cis-1,2-Dichloroethene	ND	0.98	0.33	U
540-59-0	1,2-Dichloroethene, Total	ND	0.98	0.24	U
74-95-3	Dibromomethane	ND	9.8	0.23	U
100-42-5	Styrene	ND	2.0	0.39	U
75-71-8	Dichlorodifluoromethane	ND	9.8	0.49	U
67-64-1	Acetone	ND	9.8	2.2	U
75-15-0	Carbon disulfide	ND	9.8	1.1	U
78-93-3	2-Butanone	ND	9.8	0.67	U
108-05-4	Vinyl acetate	ND	9.8	0.15	U
108-10-1	4-Methyl-2-pentanone	ND	9.8	0.24	U
96-18-4	1,2,3-Trichloropropane	ND	9.8	0.17	U
591-78-6	2-Hexanone	ND	9.8	0.65	U
74-97-5	Bromochloromethane	ND	4.9	0.35	U
594-20-7	2,2-Dichloropropane	ND	4.9	0.44	U
106-93-4	1,2-Dibromoethane	ND	3.9	0.19	U
142-28-9	1,3-Dichloropropane	ND	4.9	0.18	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.98	0.31	U
108-86-1	Bromobenzene	ND	4.9	0.21	U



Form 1 VOA

Client : Tenen Environmental, LLC
Project Name : 2135 WESTCHESTER
Lab ID : L1819157-10
Client ID : SB-4 (0-5)
Sample Location : BRONX, NY
Sample Matrix : SOIL
Analytical Method : 1,8260C
Lab File ID : V00180530N15
Sample Amount : 5.8 g
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1819157
Project Number : 2135 WESTCHESTER
Date Collected : 05/23/18 15:25
Date Received : 05/24/18
Date Analyzed : 05/30/18 23:50
Dilution Factor : 1
Analyst : MV
Instrument ID : VOA100
GC Column : RTX-VMS
%Solids : 88
Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
104-51-8	n-Butylbenzene	ND	0.98	0.22	U
135-98-8	sec-Butylbenzene	ND	0.98	0.21	U
98-06-6	tert-Butylbenzene	ND	4.9	0.24	U
95-49-8	o-Chlorotoluene	ND	4.9	0.22	U
106-43-4	p-Chlorotoluene	ND	4.9	0.16	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.9	0.39	U
87-68-3	Hexachlorobutadiene	ND	4.9	0.34	U
98-82-8	Isopropylbenzene	ND	0.98	0.19	U
99-87-6	p-Isopropyltoluene	ND	0.98	0.20	U
91-20-3	Naphthalene	ND	4.9	0.13	U
107-13-1	Acrylonitrile	ND	9.8	0.50	U
103-65-1	n-Propylbenzene	ND	0.98	0.21	U
87-61-6	1,2,3-Trichlorobenzene	ND	4.9	0.24	U
120-82-1	1,2,4-Trichlorobenzene	ND	4.9	0.21	U
108-67-8	1,3,5-Trimethylbenzene	ND	4.9	0.16	U
95-63-6	1,2,4-Trimethylbenzene	ND	4.9	0.16	U
123-91-1	1,4-Dioxane	ND	39	14.	U-R
105-05-5	p-Diethylbenzene	ND	3.9	3.9	U
622-96-8	p-Ethyltoluene	ND	3.9	0.23	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	3.9	0.15	U
60-29-7	Ethyl ether	ND	4.9	0.25	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	4.9	0.38	U

8/29/18



Form 1 VOA

Client : Tenen Environmental, LLC
Project Name : 2135 WESTCHESTER
Lab ID : L1819157-11
Client ID : SB-4 (18-20)
Sample Location : BRONX, NY
Sample Matrix : SOIL
Analytical Method : 1,8260C
Lab File ID : V00180530N16
Sample Amount : 4.7 g
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1819157
Project Number : 2135 WESTCHESTER
Date Collected : 05/23/18 15:50
Date Received : 05/24/18
Date Analyzed : 05/31/18 00:16
Dilution Factor : 1
Analyst : MV
Instrument ID : VOA100
GC Column : RTX-VMS
%Solids : 90
Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	12	2.0	U
75-34-3	1,1-Dichloroethane	ND	1.8	0.32	U
67-66-3	Chloroform	ND	1.8	0.44	U
56-23-5	Carbon tetrachloride	ND	1.2	0.41	U
78-87-5	1,2-Dichloropropane	ND	4.1	0.27	U
124-48-1	Dibromochloromethane	ND	1.2	0.21	U
79-00-5	1,1,2-Trichloroethane	ND	1.8	0.37	U
127-18-4	Tetrachloroethene	ND	1.2	0.36	U
108-90-7	Chlorobenzene	ND	1.2	0.41	U
75-69-4	Trichlorofluoromethane	ND	5.9	0.49	U
107-06-2	1,2-Dichloroethane	ND	1.2	0.29	U
71-55-6	1,1,1-Trichloroethane	ND	1.2	0.41	U
75-27-4	Bromodichloromethane	ND	1.2	0.36	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.2	0.24	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.2	0.27	U
542-75-6	1,3-Dichloropropene, Total	ND	1.2	0.24	U
563-58-6	1,1-Dichloropropene	ND	5.9	0.39	U
75-25-2	Bromoform	ND	4.7	0.28	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.2	0.35	U
71-43-2	Benzene	ND	1.2	0.23	U
108-88-3	Toluene	ND	1.8	0.23	U
100-41-4	Ethylbenzene	ND	1.2	0.20	U
74-87-3	Chloromethane	ND	5.9	0.52	U
74-83-9	Bromomethane	ND	2.4	0.40	U
75-01-4	Vinyl chloride	ND	2.4	0.37	U
75-00-3	Chloroethane	ND	2.4	0.37	U
75-35-4	1,1-Dichloroethene	ND	1.2	0.44	U

Sam 9/11/18



Form 1 VOA

Client : Tenen Environmental, LLC
Project Name : 2135 WESTCHESTER
Lab ID : L1819157-11
Client ID : SB-4 (18-20)
Sample Location : BRONX, NY
Sample Matrix : SOIL
Analytical Method : 1,8260C
Lab File ID : V00180530N16
Sample Amount : 4.7 g
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1819157
Project Number : 2135 WESTCHESTER
Date Collected : 05/23/18 15:50
Date Received : 05/24/18
Date Analyzed : 05/31/18 00:16
Dilution Factor : 1
Analyst : MV
Instrument ID : VOA100
GC Column : RTX-VMS
%Solids : 90
Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	1.8	0.28	U
79-01-6	Trichloroethene	ND	1.2	0.36	U
95-50-1	1,2-Dichlorobenzene	ND	5.9	0.22	U UJ
541-73-1	1,3-Dichlorobenzene	ND	5.9	0.26	U UJ
106-46-7	1,4-Dichlorobenzene	ND	5.9	0.22	U UJ
1634-04-4	Methyl tert butyl ether	ND	2.4	0.18	U
179601-23-1	p/m-Xylene	ND	2.4	0.41	U UJ
95-47-6	o-Xylene	ND	2.4	0.40	U
1330-20-7	Xylenes, Total	ND	2.4	0.40	U
156-59-2	cis-1,2-Dichloroethene	ND	1.2	0.40	U
540-59-0	1,2-Dichloroethene, Total	ND	1.2	0.28	U
74-95-3	Dibromomethane	ND	12	0.28	U
100-42-5	Styrene	ND	2.4	0.47	U UJ
75-71-8	Dichlorodifluoromethane	ND	12	0.59	U
67-64-1	Acetone	ND	12	2.7	U
75-15-0	Carbon disulfide	ND	12	1.3	U
78-93-3	2-Butanone	ND	12	0.82	U
108-05-4	Vinyl acetate	ND	12	0.18	U
108-10-1	4-Methyl-2-pentanone	ND	12	0.29	U
96-18-4	1,2,3-Trichloropropane	ND	12	0.21	U
591-78-6	2-Hexanone	ND	12	0.79	U
74-97-5	Bromochloromethane	ND	5.9	0.42	U
594-20-7	2,2-Dichloropropane	ND	5.9	0.53	U
106-93-4	1,2-Dibromoethane	ND	4.7	0.24	U
142-28-9	1,3-Dichloropropane	ND	5.9	0.22	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.2	0.38	U
108-86-1	Bromobenzene	ND	5.9	0.26	U UJ

for
9/11/18



Form 1 VOA

Client : Tenen Environmental, LLC
Project Name : 2135 WESTCHESTER
Lab ID : L1819157-11
Client ID : SB-4 (18-20)
Sample Location : BRONX, NY
Sample Matrix : SOIL
Analytical Method : 1,8260C
Lab File ID : V00180530N16
Sample Amount : 4.7 g
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1819157
Project Number : 2135 WESTCHESTER
Date Collected : 05/23/18 15:50
Date Received : 05/24/18
Date Analyzed : 05/31/18 00:16
Dilution Factor : 1
Analyst : MV
Instrument ID : VOA100
GC Column : RTX-VMS
%Solids : 90
Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
104-51-8	n-Butylbenzene	ND	1.2	0.27	U UJ
135-98-8	sec-Butylbenzene	ND	1.2	0.26	U UJ
98-06-6	tert-Butylbenzene	ND	5.9	0.29	U UJ
95-49-8	o-Chlorotoluene	ND	5.9	0.26	U UJ
106-43-4	p-Chlorotoluene	ND	5.9	0.22	U UJ
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.9	0.47	U
87-68-3	Hexachlorobutadiene	ND	5.9	0.41	U UJ
98-82-8	Isopropylbenzene	ND	1.2	0.23	U UJ
99-87-6	p-Isopropyltoluene	ND	1.2	0.24	U UJ
91-20-3	Naphthalene	ND	5.9	0.16	U UJ
107-13-1	Acrylonitrile	ND	12	0.61	U
103-65-1	n-Propylbenzene	ND	1.2	0.25	U UJ
87-61-6	1,2,3-Trichlorobenzene	ND	5.9	0.30	U UJ
120-82-1	1,2,4-Trichlorobenzene	ND	5.9	0.25	U UJ
108-67-8	1,3,5-Trimethylbenzene	ND	5.9	0.19	U UJ
95-63-6	1,2,4-Trimethylbenzene	ND	5.9	0.22	U UJ
123-91-1	1,4-Dioxane	ND	47	17.	U R
105-05-5	p-Diethylbenzene	ND	4.7	4.7	U UJ
622-96-8	p-Ethyltoluene	ND	4.7	0.28	U UJ
95-93-2	1,2,4,5-Tetramethylbenzene	ND	4.7	0.18	U UJ
60-29-7	Ethyl ether	ND	5.9	0.31	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.9	0.46	U

for
9/11/18



Form 1 VOA

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-12
 Client ID : S1-S (0-0.5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8260C
 Lab File ID : V00180530N17
 Sample Amount : 3.8 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 13:36
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 00:42
 Dilution Factor : 1
 Analyst : MV
 Instrument ID : VOA100
 GC Column : RTX-VMS
 %Solids : 87
 Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	2.6	15	2.5	J
75-34-3	1,1-Dichloroethane	ND	2.3	0.41	U
67-66-3	Chloroform	ND	2.3	0.56	U
56-23-5	Carbon tetrachloride	ND	1.5	0.52	U
78-87-5	1,2-Dichloropropane	ND	5.3	0.34	U
124-48-1	Dibromochloromethane	ND	1.5	0.27	U
79-00-5	1,1,2-Trichloroethane	ND	2.3	0.47	U
127-18-4	Tetrachloroethene	28	1.5	0.46	
106-90-7	Chlorobenzene	ND	1.5	0.53	U
75-69-4	Trichlorofluoromethane	ND	7.6	0.63	U
107-06-2	1,2-Dichloroethane	ND	1.5	0.37	U
71-55-6	1,1,1-Trichloroethane	ND	1.5	0.53	U
75-27-4	Bromodichloromethane	ND	1.5	0.47	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.5	0.31	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.5	0.35	U
542-75-6	1,3-Dichloropropene, Total	ND	1.5	0.31	U
563-58-6	1,1-Dichloropropene	ND	7.6	0.50	U
75-25-2	Bromoform	ND	6.0	0.36	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.5	0.45	U
71-43-2	Benzene	ND	1.5	0.29	U
108-88-3	Toluene	ND	2.3	0.30	U
100-41-4	Ethylbenzene	ND	1.5	0.26	U
74-87-3	Chloromethane	ND	7.6	0.66	U
74-83-9	Bromomethane	ND	3.0	0.51	U
75-01-4	Vinyl chloride	ND	3.0	0.48	U
75-00-3	Chloroethane	ND	3.0	0.48	U
75-35-4	1,1-Dichloroethene	ND	1.5	0.56	U



Form 1 VOA

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-12
 Client ID : S1-S (0-0.5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8260C
 Lab File ID : V00180530N17
 Sample Amount : 3.8 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 13:36
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 00:42
 Dilution Factor : 1
 Analyst : MV
 Instrument ID : VOA100
 GC Column : RTX-VMS
 %Solids : 87
 Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.3	0.36	U
79-01-6	Trichloroethene	ND	1.5	0.46	U
95-50-1	1,2-Dichlorobenzene	ND	7.6	0.28	U
541-73-1	1,3-Dichlorobenzene	ND	7.6	0.33	U
106-46-7	1,4-Dichlorobenzene	ND	7.6	0.28	U
1634-04-4	Methyl tert butyl ether	ND	3.0	0.23	U
179601-23-1	p/m-Xylene	ND	3.0	0.53	U
95-47-6	o-Xylene	ND	3.0	0.51	U
1330-20-7	Xylenes, Total	ND	3.0	0.51	U
156-59-2	cis-1,2-Dichloroethene	ND	1.5	0.52	U
540-59-0	1,2-Dichloroethene, Total	ND	1.5	0.36	U
74-95-3	Dibromomethane	ND	15	0.36	U
100-42-5	Styrene	ND	3.0	0.61	U
75-71-8	Dichlorodifluoromethane	ND	15	0.76	U
67-64-1	Acetone	ND	15	3.5	U
75-15-0	Carbon disulfide	ND	15	1.7	U
78-93-3	2-Butanone	ND	15	1.0	U
108-05-4	Vinyl acetate	ND	15	0.23	U
108-10-1	4-Methyl-2-pentanone	ND	15	0.37	U
96-18-4	1,2,3-Trichloropropane	ND	15	0.27	U
591-78-6	2-Hexanone	ND	15	1.0	U
74-97-5	Bromochloromethane	ND	7.6	0.54	U
594-20-7	2,2-Dichloropropane	ND	7.6	0.68	U
106-93-4	1,2-Dibromoethane	ND	6.0	0.30	U
142-28-9	1,3-Dichloropropane	ND	7.6	0.28	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.5	0.48	U
108-86-1	Bromobenzene	ND	7.6	0.33	U



Form 1 VOA

Client : Tenen Environmental, LLC
Project Name : 2135 WESTCHESTER
Lab ID : L1819157-12
Client ID : S1-S (0-0.5)
Sample Location : BRONX, NY
Sample Matrix : SOIL
Analytical Method : 1,8260C
Lab File ID : V00180530N17
Sample Amount : 3.8 g
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1819157
Project Number : 2135 WESTCHESTER
Date Collected : 05/23/18 13:36
Date Received : 05/24/18
Date Analyzed : 05/31/18 00:42
Dilution Factor : 1
Analyst : MV
Instrument ID : VOA100
GC Column : RTX-VMS
%Solids : 87
Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
104-51-8	n-Butylbenzene	ND	1.5	0.34	U
135-98-8	sec-Butylbenzene	ND	1.5	0.33	U
98-06-6	tert-Butylbenzene	ND	7.6	0.37	U
95-49-8	o-Chlorotoluene	ND	7.6	0.33	U
106-43-4	p-Chlorotoluene	ND	7.6	0.28	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	7.6	0.60	U
87-68-3	Hexachlorobutadiene	ND	7.6	0.53	U
98-82-8	Isopropylbenzene	ND	1.5	0.29	U
99-87-6	p-Isopropyltoluene	ND	1.5	0.30	U
91-20-3	Naphthalene	ND	7.6	0.21	U
107-13-1	Acrylonitrile	ND	15	0.78	U
103-65-1	n-Propylbenzene	ND	1.5	0.32	U
87-61-6	1,2,3-Trichlorobenzene	ND	7.6	0.38	U
120-82-1	1,2,4-Trichlorobenzene	ND	7.6	0.32	U
108-67-8	1,3,5-Trimethylbenzene	ND	7.6	0.24	U
95-63-6	1,2,4-Trimethylbenzene	ND	7.6	0.28	U
123-91-1	1,4-Dioxane	ND	60	22.	U <i>R</i>
105-05-5	p-Diethylbenzene	ND	6.0	6.0	U
622-96-8	p-Ethyltoluene	ND	6.0	0.35	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	6.0	0.24	U
60-29-7	Ethyl ether	ND	7.6	0.39	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	7.6	0.59	U

for 9/11/18



Form 1 VOA

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-13
 Client ID : S1-E (0-0.5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8260C
 Lab File ID : V00180530N18
 Sample Amount : 3.1 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 13:44
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 01:08
 Dilution Factor : 1
 Analyst : MV
 Instrument ID : VOA100
 GC Column : RTX-VMS
 %Solids : 87
 Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	4.7	18	3.0	J
75-34-3	1,1-Dichloroethane	ND	2.8	0.50	U
67-66-3	Chloroform	ND	2.8	0.68	U
56-23-5	Carbon tetrachloride	ND	1.8	0.64	U
78-87-5	1,2-Dichloropropane	ND	6.4	0.42	U
124-48-1	Dibromochloromethane	ND	1.8	0.32	U
79-00-5	1,1,2-Trichloroethane	ND	2.8	0.58	U
127-18-4	Tetrachloroethene	7.7	1.8	0.56	
106-90-7	Chlorobenzene	ND	1.8	0.64	U
75-69-4	Trichlorofluoromethane	ND	9.2	0.77	U
107-06-2	1,2-Dichloroethane	ND	1.8	0.45	U
71-55-6	1,1,1-Trichloroethane	ND	1.8	0.64	U
75-27-4	Bromodichloromethane	ND	1.8	0.57	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.8	0.38	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.8	0.43	U
542-75-6	1,3-Dichloropropene, Total	ND	1.8	0.38	U
563-58-6	1,1-Dichloropropene	ND	9.2	0.60	U
75-25-2	Bromoform	ND	7.4	0.44	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.8	0.55	U
71-43-2	Benzene	ND	1.8	0.36	U
108-88-3	Toluene	ND	2.8	0.36	U
100-41-4	Ethylbenzene	ND	1.8	0.31	U
74-87-3	Chloromethane	ND	9.2	0.80	U
74-83-9	Bromomethane	ND	3.7	0.62	U
75-01-4	Vinyl chloride	ND	3.7	0.58	U
75-00-3	Chloroethane	ND	3.7	0.58	U
75-35-4	1,1-Dichloroethene	ND	1.8	0.69	U



Form 1 VOA

Client : Tenen Environmental, LLC
Project Name : 2135 WESTCHESTER
Lab ID : L1819157-13
Client ID : S1-E (0-0.5)
Sample Location : BRONX, NY
Sample Matrix : SOIL
Analytical Method : 1,8260C
Lab File ID : V00180530N18
Sample Amount : 3.1 g
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1819157
Project Number : 2135 WESTCHESTER
Date Collected : 05/23/18 13:44
Date Received : 05/24/18
Date Analyzed : 05/31/18 01:08
Dilution Factor : 1
Analyst : MV
Instrument ID : VOA100
GC Column : RTX-VMS
%Solids : 87
Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.8	0.44	U
79-01-6	Trichloroethene	ND	1.8	0.56	U
95-50-1	1,2-Dichlorobenzene	ND	9.2	0.34	U
541-73-1	1,3-Dichlorobenzene	ND	9.2	0.40	U
106-46-7	1,4-Dichlorobenzene	ND	9.2	0.34	U
1634-04-4	Methyl tert butyl ether	ND	3.7	0.28	U
179601-23-1	p/m-Xylene	ND	3.7	0.65	U
95-47-6	o-Xylene	ND	3.7	0.62	U
1330-20-7	Xylenes, Total	ND	3.7	0.62	U
156-59-2	cis-1,2-Dichloroethene	ND	1.8	0.63	U
540-59-0	1,2-Dichloroethene, Total	ND	1.8	0.44	U
74-95-3	Dibromomethane	ND	18	0.44	U
100-42-5	Styrene	ND	3.7	0.74	U
75-71-8	Dichlorodifluoromethane	ND	18	0.92	U
67-64-1	Acetone	64	18	4.2	
75-15-0	Carbon disulfide	ND	18	2.0	U
78-93-3	2-Butanone	ND	18	1.3	U
108-05-4	Vinyl acetate	ND	18	0.28	U
108-10-1	4-Methyl-2-pentanone	ND	18	0.45	U
96-18-4	1,2,3-Trichloropropane	ND	18	0.33	U
591-78-6	2-Hexanone	ND	18	1.2	U
74-97-5	Bromochloromethane	ND	9.2	0.66	U
594-20-7	2,2-Dichloropropane	ND	9.2	0.83	U
106-93-4	1,2-Dibromoethane	ND	7.4	0.37	U
142-28-9	1,3-Dichloropropane	ND	9.2	0.34	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.8	0.59	U
108-86-1	Bromobenzene	ND	9.2	0.40	U



Form 1 VOA

Client : Tenen Environmental, LLC
Project Name : 2135 WESTCHESTER
Lab ID : L1819157-13
Client ID : S1-E (0-0.5)
Sample Location : BRONX, NY
Sample Matrix : SOIL
Analytical Method : 1,8260C
Lab File ID : V00180530N18
Sample Amount : 3.1 g
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1819157
Project Number : 2135 WESTCHESTER
Date Collected : 05/23/18 13:44
Date Received : 05/24/18
Date Analyzed : 05/31/18 01:08
Dilution Factor : 1
Analyst : MV
Instrument ID : VOA100
GC Column : RTX-VMS
%Solids : 87
Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
104-51-8	n-Butylbenzene	ND	1.8	0.42	U
135-98-8	sec-Butylbenzene	ND	1.8	0.40	U
98-06-6	tert-Butylbenzene	ND	9.2	0.46	U
95-49-8	o-Chlorotoluene	ND	9.2	0.41	U
106-43-4	p-Chlorotoluene	ND	9.2	0.34	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	9.2	0.73	U
87-68-3	Hexachlorobutadiene	ND	9.2	0.64	U
98-82-8	Isopropylbenzene	ND	1.8	0.36	U
99-87-6	p-Isopropyltoluene	ND	1.8	0.37	U
91-20-3	Naphthalene	ND	9.2	0.25	U
107-13-1	Acrylonitrile	ND	18	0.95	U
103-65-1	n-Propylbenzene	ND	1.8	0.40	U
87-61-6	1,2,3-Trichlorobenzene	ND	9.2	0.46	U
120-82-1	1,2,4-Trichlorobenzene	ND	9.2	0.40	U
108-67-8	1,3,5-Trimethylbenzene	ND	9.2	0.30	U
95-63-6	1,2,4-Trimethylbenzene	ND	9.2	0.34	U
123-91-1	1,4-Dioxane	ND	74	26.	U - R
105-05-5	p-Diethylbenzene	ND	7.4	7.4	U
622-96-8	p-Ethyltoluene	ND	7.4	0.43	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	7.4	0.29	U
60-29-7	Ethyl ether	ND	9.2	0.48	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	9.2	0.72	U

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Form 1 VOA

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-14
 Client ID : S1-C (0.5-1)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8260C
 Lab File ID : V00180530N19
 Sample Amount : 5.0 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 13:57
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 01:34
 Dilution Factor : 1
 Analyst : MV
 Instrument ID : VOA100
 GC Column : RTX-VMS
 %Solids : 93
 Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	11	1.8	U
75-34-3	1,1-Dichloroethane	ND	1.6	0.29	U
67-66-3	Chloroform	ND	1.6	0.40	U
56-23-5	Carbon tetrachloride	ND	1.1	0.37	U
78-87-5	1,2-Dichloropropane	ND	3.8	0.24	U
124-48-1	Dibromochloromethane	ND	1.1	0.19	U
79-00-5	1,1,2-Trichloroethane	ND	1.6	0.34	U
127-18-4	Tetrachloroethene	1.5	1.1	0.32	
108-90-7	Chlorobenzene	ND	1.1	0.37	U
75-69-4	Trichlorofluoromethane	ND	5.4	0.45	U
107-06-2	1,2-Dichloroethane	ND	1.1	0.26	U
71-55-6	1,1,1-Trichloroethane	ND	1.1	0.38	U
75-27-4	Bromodichloromethane	ND	1.1	0.33	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.1	0.22	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.1	0.25	U
542-75-6	1,3-Dichloropropene, Total	ND	1.1	0.22	U
563-58-6	1,1-Dichloropropene	ND	5.4	0.35	U
75-25-2	Bromoform	ND	4.3	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.1	0.32	U
71-43-2	Benzene	ND	1.1	0.21	U
108-88-3	Toluene	ND	1.6	0.21	U
100-41-4	Ethylbenzene	ND	1.1	0.18	U
74-87-3	Chloromethane	ND	5.4	0.47	U
74-83-9	Bromomethane	ND	2.1	0.36	U
75-01-4	Vinyl chloride	ND	2.1	0.34	U
75-00-3	Chloroethane	ND	2.1	0.34	U
75-35-4	1,1-Dichloroethene	ND	1.1	0.40	U



Form 1 VOA

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-14
 Client ID : S1-C (0.5-1)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8260C
 Lab File ID : V00180530N19
 Sample Amount : 5.0 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 13:57
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 01:34
 Dilution Factor : 1
 Analyst : MV
 Instrument ID : VOA100
 GC Column : RTX-VMS
 %Solids : 93
 Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	1.6	0.26	U
79-01-6	Trichloroethene	ND	1.1	0.32	U
95-50-1	1,2-Dichlorobenzene	ND	5.4	0.20	U
541-73-1	1,3-Dichlorobenzene	ND	5.4	0.23	U
106-46-7	1,4-Dichlorobenzene	ND	5.4	0.20	U
1634-04-4	Methyl tert butyl ether	ND	2.1	0.16	U
179601-23-1	p/m-Xylene	ND	2.1	0.38	U
95-47-6	o-Xylene	ND	2.1	0.36	U
1330-20-7	Xylenes, Total	ND	2.1	0.36	U
156-59-2	cis-1,2-Dichloroethene	ND	1.1	0.37	U
540-59-0	1,2-Dichloroethene, Total	ND	1.1	0.26	U
74-95-3	Dibromomethane	ND	11	0.26	U
100-42-5	Styrene	ND	2.1	0.43	U
75-71-8	Dichlorodifluoromethane	ND	11	0.54	U
67-64-1	Acetone	ND	11	2.4	U
75-15-0	Carbon disulfide	ND	11	1.2	U
78-93-3	2-Butanone	ND	11	0.74	U
108-05-4	Vinyl acetate	ND	11	0.16	U
108-10-1	4-Methyl-2-pentanone	ND	11	0.26	U
96-18-4	1,2,3-Trichloropropane	ND	11	0.19	U
591-78-6	2-Hexanone	ND	11	0.71	U
74-97-5	Bromochloromethane	ND	5.4	0.38	U
594-20-7	2,2-Dichloropropane	ND	5.4	0.48	U
106-93-4	1,2-Dibromoethane	ND	4.3	0.21	U
142-28-9	1,3-Dichloropropane	ND	5.4	0.20	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.1	0.34	U
108-86-1	Bromobenzene	ND	5.4	0.23	U



Form 1 VOA

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-14
 Client ID : S1-C (0.5-1)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8260C
 Lab File ID : V00180530N19
 Sample Amount : 5.0 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 13:57
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 01:34
 Dilution Factor : 1
 Analyst : MV
 Instrument ID : VOA100
 GC Column : RTX-VMS
 %Solids : 93
 Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
104-51-8	n-Butylbenzene	ND	1.1	0.24	U
135-98-8	sec-Butylbenzene	ND	1.1	0.23	U
98-06-6	tert-Butylbenzene	ND	5.4	0.26	U
95-49-8	o-Chlorotoluene	ND	5.4	0.24	U
106-43-4	p-Chlorotoluene	ND	5.4	0.20	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.4	0.42	U
87-68-3	Hexachlorobutadiene	ND	5.4	0.37	U
98-82-8	Isopropylbenzene	ND	1.1	0.21	U
99-87-6	p-Isopropyltoluene	ND	1.1	0.22	U
91-20-3	Naphthalene	ND	5.4	0.15	U
107-13-1	Acrylonitrile	ND	11	0.55	U
103-65-1	n-Propylbenzene	ND	1.1	0.23	U
87-61-6	1,2,3-Trichlorobenzene	ND	5.4	0.27	U
120-82-1	1,2,4-Trichlorobenzene	ND	5.4	0.23	U
108-67-8	1,3,5-Trimethylbenzene	ND	5.4	0.17	U
95-63-6	1,2,4-Trimethylbenzene	ND	5.4	0.20	U
123-91-1	1,4-Dioxane	ND	43	15.	U <i>or R</i>
105-05-5	p-Diethylbenzene	ND	4.3	4.3	U
622-96-8	p-Ethyltoluene	ND	4.3	0.25	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	4.3	0.17	U
60-29-7	Ethyl ether	ND	5.4	0.28	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.4	0.42	U

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Form 1 VOA

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-15
 Client ID : S1-N (0.5-1.5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8260C
 Lab File ID : V00180530N20
 Sample Amount : 4.5 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 14:07
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 02:00
 Dilution Factor : 1
 Analyst : MV
 Instrument ID : VOA100
 GC Column : RTX-VMS
 %Solids : 92
 Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	12	2.0	U
75-34-3	1,1-Dichloroethane	ND	1.8	0.33	U
67-66-3	Chloroform	ND	1.8	0.45	U
56-23-5	Carbon tetrachloride	ND	1.2	0.42	U
78-87-5	1,2-Dichloropropane	ND	4.2	0.28	U
124-48-1	Dibromochloromethane	ND	1.2	0.21	U
79-00-5	1,1,2-Trichloroethane	ND	1.8	0.38	U
127-18-4	Tetrachloroethene	7.0	1.2	0.37	
108-90-7	Chlorobenzene	ND	1.2	0.42	U
75-69-4	Trichlorofluoromethane	ND	6.1	0.50	U
107-06-2	1,2-Dichloroethane	ND	1.2	0.30	U
71-55-6	1,1,1-Trichloroethane	ND	1.2	0.42	U
75-27-4	Bromodichloromethane	ND	1.2	0.37	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.2	0.25	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.2	0.28	U
542-75-6	1,3-Dichloropropene, Total	ND	1.2	0.25	U
563-58-6	1,1-Dichloropropene	ND	6.1	0.40	U
75-25-2	Bromoform	ND	4.8	0.29	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.2	0.36	U
71-43-2	Benzene	ND	1.2	0.23	U
108-88-3	Toluene	ND	1.8	0.24	U
100-41-4	Ethylbenzene	ND	1.2	0.21	U
74-87-3	Chloromethane	ND	6.1	0.53	U
74-83-9	Bromomethane	ND	2.4	0.41	U
75-01-4	Vinyl chloride	ND	2.4	0.38	U
75-00-3	Chloroethane	ND	2.4	0.38	U
75-35-4	1,1-Dichloroethene	ND	1.2	0.45	U



Form 1 VOA

Client : Tenen Environmental, LLC
Project Name : 2135 WESTCHESTER
Lab ID : L1819157-15
Client ID : S1-N (0.5-1.5)
Sample Location : BRONX, NY
Sample Matrix : SOIL
Analytical Method : 1,8260C
Lab File ID : V00180530N20
Sample Amount : 4.5 g
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1819157
Project Number : 2135 WESTCHESTER
Date Collected : 05/23/18 14:07
Date Received : 05/24/18
Date Analyzed : 05/31/18 02:00
Dilution Factor : 1
Analyst : MV
Instrument ID : VOA100
GC Column : RTX-VMS
%Solids : 92
Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	1.8	0.29	U
79-01-6	Trichloroethene	ND	1.2	0.37	U
95-50-1	1,2-Dichlorobenzene	ND	6.1	0.22	U
541-73-1	1,3-Dichlorobenzene	ND	6.1	0.26	U
106-46-7	1,4-Dichlorobenzene	ND	6.1	0.22	U
1634-04-4	Methyl tert butyl ether	ND	2.4	0.18	U
179601-23-1	p/m-Xylene	ND	2.4	0.42	U
95-47-6	o-Xylene	ND	2.4	0.41	U
1330-20-7	Xylenes, Total	ND	2.4	0.41	U
156-59-2	cis-1,2-Dichloroethene	ND	1.2	0.41	U
540-59-0	1,2-Dichloroethene, Total	ND	1.2	0.29	U
74-95-3	Dibromomethane	ND	12	0.29	U
100-42-5	Styrene	ND	2.4	0.49	U
75-71-8	Dichlorodifluoromethane	ND	12	0.61	U
67-64-1	Acetone	ND	12	2.8	U
75-15-0	Carbon disulfide	ND	12	1.3	U
78-93-3	2-Butanone	ND	12	0.84	U
108-05-4	Vinyl acetate	ND	12	0.18	U
108-10-1	4-Methyl-2-pentanone	ND	12	0.30	U
96-18-4	1,2,3-Trichloropropane	ND	12	0.21	U
591-78-6	2-Hexanone	ND	12	0.81	U
74-97-5	Bromochloromethane	ND	6.1	0.43	U
594-20-7	2,2-Dichloropropane	ND	6.1	0.54	U
106-93-4	1,2-Dibromoethane	ND	4.8	0.24	U
142-28-9	1,3-Dichloropropane	ND	6.1	0.22	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.2	0.38	U
108-86-1	Bromobenzene	ND	6.1	0.26	U



Form 1 VOA

Client : Tenen Environmental, LLC
Project Name : 2135 WESTCHESTER
Lab ID : L1819157-15
Client ID : S1-N (0.5-1.5)
Sample Location : BRONX, NY
Sample Matrix : SOIL
Analytical Method : 1,8260C
Lab File ID : V00180530N20
Sample Amount : 4.5 g
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1819157
Project Number : 2135 WESTCHESTER
Date Collected : 05/23/18 14:07
Date Received : 05/24/18
Date Analyzed : 05/31/18 02:00
Dilution Factor : 1
Analyst : MV
Instrument ID : VOA100
GC Column : RTX-VMS
%Solids : 92
Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
104-51-8	n-Butylbenzene	ND	1.2	0.28	U
135-98-8	sec-Butylbenzene	ND	1.2	0.26	U
98-06-6	tert-Butylbenzene	ND	6.1	0.30	U
95-49-8	o-Chlorotoluene	ND	6.1	0.27	U
106-43-4	p-Chlorotoluene	ND	6.1	0.22	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.1	0.48	U
87-68-3	Hexachlorobutadiene	ND	6.1	0.42	U
98-82-8	Isopropylbenzene	ND	1.2	0.24	U
99-87-6	p-Isopropyltoluene	ND	1.2	0.24	U
91-20-3	Naphthalene	ND	6.1	0.17	U
107-13-1	Acrylonitrile	ND	12	0.62	U
103-65-1	n-Propylbenzene	ND	1.2	0.26	U
87-61-6	1,2,3-Trichlorobenzene	ND	6.1	0.30	U
120-82-1	1,2,4-Trichlorobenzene	ND	6.1	0.26	U
108-67-8	1,3,5-Trimethylbenzene	ND	6.1	0.20	U
95-63-6	1,2,4-Trimethylbenzene	ND	6.1	0.22	U
123-91-1	1,4-Dioxane	ND	48	17.	U R
105-05-5	p-Diethylbenzene	ND	4.8	4.8	U
622-96-8	p-Ethyltoluene	ND	4.8	0.28	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	4.8	0.19	U
60-29-7	Ethyl ether	ND	6.1	0.32	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	6.1	0.48	U

for
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Form 1 VOA

Client : Tenen Environmental, LLC
Project Name : 2135 WESTCHESTER
Lab ID : L1819157-16
Client ID : FIELD BLANK
Sample Location : BRONX, NY
Sample Matrix : WATER
Analytical Method : 1,8260C
Lab File ID : V22180531A06
Sample Amount : 10 ml
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1819157
Project Number : 2135 WESTCHESTER
Date Collected : 05/23/18 16:00
Date Received : 05/24/18
Date Analyzed : 05/31/18 09:35
Dilution Factor : 1
Analyst : MKS
Instrument ID : VOA122
GC Column : RTX-502.2
%Solids : N/A
Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
106-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U <i>UT</i>
75-01-4	Vinyl chloride	ND	1.0	0.07	U <i>UT</i>
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

*for
9/11/18*



Form 1 VOA

Client : Tenen Environmental, LLC
Project Name : 2135 WESTCHESTER
Lab ID : L1819157-16
Client ID : FIELD BLANK
Sample Location : BRONX, NY
Sample Matrix : WATER
Analytical Method : 1,8260C
Lab File ID : V22180531A06
Sample Amount : 10 ml
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1819157
Project Number : 2135 WESTCHESTER
Date Collected : 05/23/18 16:00
Date Received : 05/24/18
Date Analyzed : 05/31/18 09:35
Dilution Factor : 1
Analyst : MKS
Instrument ID : VOA122
GC Column : RTX-502.2
%Solids : N/A
Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U R
100-42-5	Styrene	ND	2.5	0.70	U UT
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U

for 9/11/18



Form 1 VOA

Client : Tenen Environmental, LLC
Project Name : 2135 WESTCHESTER
Lab ID : L1819157-16
Client ID : FIELD BLANK
Sample Location : BRONX, NY
Sample Matrix : WATER
Analytical Method : 1,8260C
Lab File ID : V22180531A06
Sample Amount : 10 ml
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1819157
Project Number : 2135 WESTCHESTER
Date Collected : 05/23/18 16:00
Date Received : 05/24/18
Date Analyzed : 05/31/18 09:35
Dilution Factor : 1
Analyst : MKS
Instrument ID : VOA122
GC Column : RTX-502.2
%Solids : N/A
Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

for
9/11/18



Form 1 VOA

Client : Tenen Environmental, LLC
Project Name : 2135 WESTCHESTER
Lab ID : L1819157-17
Client ID : TRIP BLANK
Sample Location : BRONX, NY
Sample Matrix : WATER
Analytical Method : 1,8260C
Lab File ID : V22180531A07
Sample Amount : 10 ml
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1819157
Project Number : 2135 WESTCHESTER
Date Collected : 05/23/18 00:00
Date Received : 05/24/18
Date Analyzed : 05/31/18 10:03
Dilution Factor : 1
Analyst : MKS
Instrument ID : VOA122
GC Column : RTX-502.2
%Solids : N/A
Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U UJ
75-01-4	Vinyl chloride	ND	1.0	0.07	U UJ
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

for 9/11/18



Form 1 VOA

Client : Tenen Environmental, LLC
Project Name : 2135 WESTCHESTER
Lab ID : L1819157-17
Client ID : TRIP BLANK
Sample Location : BRONX, NY
Sample Matrix : WATER
Analytical Method : 1,8260C
Lab File ID : V22180531A07
Sample Amount : 10 ml
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1819157
Project Number : 2135 WESTCHESTER
Date Collected : 05/23/18 00:00
Date Received : 05/24/18
Date Analyzed : 05/31/18 10:03
Dilution Factor : 1
Analyst : MKS
Instrument ID : VOA122
GC Column : RTX-502.2
%Solids : N/A
Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U R
100-42-5	Styrene	ND	2.5	0.70	U UJ
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U

Long 9/11/18



Form 1 VOA

Client : Tenen Environmental, LLC
Project Name : 2135 WESTCHESTER
Lab ID : L1819157-17
Client ID : TRIP BLANK
Sample Location : BRONX, NY
Sample Matrix : WATER
Analytical Method : 1,8260C
Lab File ID : V22180531A07
Sample Amount : 10 ml
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1819157
Project Number : 2135 WESTCHESTER
Date Collected : 05/23/18 00:00
Date Received : 05/24/18
Date Analyzed : 05/31/18 10:03
Dilution Factor : 1
Analyst : MKS
Instrument ID : VOA122
GC Column : RTX-502.2
%Solids : N/A
Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U <i>UJ</i>
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U <i>R</i>
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

for 9/11/18



Form 1 VOA

Client : Tenen Environmental, LLC
Project Name : 2135 WESTCHESTER
Lab ID : L1819157-18
Client ID : S1-W (0-1)
Sample Location : BRONX, NY
Sample Matrix : SOIL
Analytical Method : 1,8260C
Lab File ID : V00180531A12
Sample Amount : 3.9 g
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1819157
Project Number : 2135 WESTCHESTER
Date Collected : 05/23/18 13:22
Date Received : 05/24/18
Date Analyzed : 05/31/18 11:30
Dilution Factor : 1
Analyst : JC
Instrument ID : VOA100
GC Column : RTX-VMS
%Solids : 86
Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	15	2.5	U
75-34-3	1,1-Dichloroethane	ND	2.2	0.40	U
67-66-3	Chloroform	ND	2.2	0.55	U
56-23-5	Carbon tetrachloride	ND	1.5	0.52	U <i>UJ</i>
78-87-5	1,2-Dichloropropane	ND	5.2	0.34	U
124-48-1	Dibromochloromethane	ND	1.5	0.26	U
79-00-5	1,1,2-Trichloroethane	ND	2.2	0.47	U
127-18-4	Tetrachloroethene	67	1.5	0.45	
108-90-7	Chlorobenzene	ND	1.5	0.52	U
75-69-4	Trichlorofluoromethane	ND	7.5	0.62	U
107-06-2	1,2-Dichloroethane	ND	1.5	0.37	U
71-55-6	1,1,1-Trichloroethane	ND	1.5	0.52	U
75-27-4	Bromodichloromethane	ND	1.5	0.46	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.5	0.31	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.5	0.35	U
542-75-6	1,3-Dichloropropene, Total	ND	1.5	0.31	U
563-58-6	1,1-Dichloropropene	ND	7.5	0.49	U
75-25-2	Bromoform	ND	6.0	0.36	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.5	0.45	U
71-43-2	Benzene	ND	1.5	0.29	U
108-88-3	Toluene	ND	2.2	0.29	U
100-41-4	Ethylbenzene	ND	1.5	0.25	U
74-87-3	Chloromethane	ND	7.5	0.65	U
74-83-9	Bromomethane	ND	3.0	0.51	U
75-01-4	Vinyl chloride	ND	3.0	0.47	U
75-00-3	Chloroethane	ND	3.0	0.47	U
75-35-4	1,1-Dichloroethene	ND	1.5	0.56	U

for 9/11/18



Form 1 VOA

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-18
 Client ID : S1-W (0-1)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8260C
 Lab File ID : V00180531A12
 Sample Amount : 3.9 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 13:22
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 11:30
 Dilution Factor : 1
 Analyst : JC
 Instrument ID : VOA100
 GC Column : RTX-VMS
 %Solids : 86
 Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.2	0.36	U
79-01-6	Trichloroethene	0.72	1.5	0.45	J
95-50-1	1,2-Dichlorobenzene	ND	7.5	0.27	U
541-73-1	1,3-Dichlorobenzene	ND	7.5	0.33	U
106-46-7	1,4-Dichlorobenzene	ND	7.5	0.27	U
1634-04-4	Methyl tert butyl ether	ND	3.0	0.23	U
179601-23-1	p/m-Xylene	ND	3.0	0.53	U
95-47-6	o-Xylene	ND	3.0	0.51	U
1330-20-7	Xylenes, Total	ND	3.0	0.51	U
156-59-2	cis-1,2-Dichloroethene	ND	1.5	0.51	U
540-59-0	1,2-Dichloroethene, Total	ND	1.5	0.36	U
74-95-3	Dibromomethane	ND	15	0.36	U
100-42-5	Styrene	ND	3.0	0.60	U
75-71-8	Dichlorodifluoromethane	ND	15	0.75	U
67-64-1	Acetone	ND	15	3.4	U
75-15-0	Carbon disulfide	ND	15	1.6	U
78-93-3	2-Butanone	ND	15	1.0	U
108-05-4	Vinyl acetate	ND	15	0.23	U
108-10-1	4-Methyl-2-pentanone	ND	15	0.36	U
96-18-4	1,2,3-Trichloropropane	ND	15	0.26	U
591-78-6	2-Hexanone	ND	15	1.0	U
74-97-5	Bromochloromethane	ND	7.5	0.54	U
594-20-7	2,2-Dichloropropane	ND	7.5	0.67	U
106-93-4	1,2-Dibromoethane	ND	6.0	0.30	U
142-28-9	1,3-Dichloropropane	ND	7.5	0.27	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.5	0.48	U
108-86-1	Bromobenzene	ND	7.5	0.33	U



Form 1 VOA

Client : Tenen Environmental, LLC
Project Name : 2135 WESTCHESTER
Lab ID : L1819157-18
Client ID : S1-W (0-1)
Sample Location : BRONX, NY
Sample Matrix : SOIL
Analytical Method : 1,8260C
Lab File ID : V00180531A12
Sample Amount : 3.9 g
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1819157
Project Number : 2135 WESTCHESTER
Date Collected : 05/23/18 13:22
Date Received : 05/24/18
Date Analyzed : 05/31/18 11:30
Dilution Factor : 1
Analyst : JC
Instrument ID : VOA100
GC Column : RTX-VMS
%Solids : 86
Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
104-51-8	n-Butylbenzene	ND	1.5	0.34	U
135-98-8	sec-Butylbenzene	ND	1.5	0.32	U
98-06-6	tert-Butylbenzene	ND	7.5	0.37	U
95-49-8	o-Chlorotoluene	ND	7.5	0.33	U
106-43-4	p-Chlorotoluene	ND	7.5	0.27	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	7.5	0.59	U
87-68-3	Hexachlorobutadiene	ND	7.5	0.52	U
98-82-8	Isopropylbenzene	ND	1.5	0.29	U
99-87-6	p-Isopropyltoluene	ND	1.5	0.30	U
91-20-3	Naphthalene	ND	7.5	0.21	U
107-13-1	Acrylonitrile	ND	15	0.77	U
103-65-1	n-Propylbenzene	ND	1.5	0.32	U
87-61-6	1,2,3-Trichlorobenzene	ND	7.5	0.38	U
120-82-1	1,2,4-Trichlorobenzene	ND	7.5	0.32	U
108-67-8	1,3,5-Trimethylbenzene	ND	7.5	0.24	U
95-63-6	1,2,4-Trimethylbenzene	ND	7.5	0.28	U
123-91-1	1,4-Dioxane	ND	60	22.	U R
105-05-5	p-Diethylbenzene	ND	6.0	6.0	U
622-96-8	p-Ethyltoluene	ND	6.0	0.35	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	6.0	0.23	U
60-29-7	Ethyl ether	ND	7.5	0.39	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	7.5	0.59	U

8/29/11/18



Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-01
 Client ID : SB-5 (1-2)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8270D
 Lab File ID : 19157-01
 Sample Amount : 30.52 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 09:55
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 07:33
 Date Extracted : 05/27/18
 Dilution Factor : 1
 Analyst : CB
 Instrument ID : SV112
 GC Column : RTX5-MS
 %Solids : 87
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	150	20.	U
120-82-1	1,2,4-Trichlorobenzene	ND	190	22.	U
118-74-1	Hexachlorobenzene	ND	110	21.	U
111-44-4	Bis(2-chloroethyl)ether	ND	170	26.	U
91-58-7	2-Chloronaphthalene	ND	190	19.	U
95-50-1	1,2-Dichlorobenzene	ND	190	34.	U
541-73-1	1,3-Dichlorobenzene	ND	190	32.	U
106-46-7	1,4-Dichlorobenzene	ND	190	33.	U
91-94-1	3,3'-Dichlorobenzidine	ND	190	50.	U
121-14-2	2,4-Dinitrotoluene	ND	190	38.	U
606-20-2	2,6-Dinitrotoluene	ND	190	32.	U
206-44-0	Fluoranthene	360	110	22.	
7005-72-3	4-Chlorophenyl phenyl ether	ND	190	20.	U
101-55-3	4-Bromophenyl phenyl ether	ND	190	29.	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	230	32.	U
111-91-1	Bis(2-chloroethoxy)methane	ND	200	19.	U
87-68-3	Hexachlorobutadiene	ND	190	28.	U
77-47-4	Hexachlorocyclopentadiene	ND	540	170	U
67-72-1	Hexachloroethane	ND	150	30.	U
78-59-1	Isophorone	ND	170	24.	U
91-20-3	Naphthalene	ND	190	23.	U
98-95-3	Nitrobenzene	ND	170	28.	U
86-30-6	NDPA/DPA	ND	150	22.	U
621-64-7	n-Nitrosodi-n-propylamine	ND	190	29.	U



Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-01
 Client ID : SB-5 (1-2)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8270D
 Lab File ID : 19157-01
 Sample Amount : 30.52 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 09:55
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 07:33
 Date Extracted : 05/27/18
 Dilution Factor : 1
 Analyst : CB
 Instrument ID : SV112
 GC Column : RTX5-MS
 %Solids : 87
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
117-81-7	Bis(2-ethylhexyl)phthalate	ND	190	65.	U
85-68-7	Butyl benzyl phthalate	ND	190	48.	U
84-74-2	Di-n-butylphthalate	ND	190	36.	U
117-84-0	Di-n-octylphthalate	ND	190	64.	U
84-66-2	Diethyl phthalate	ND	190	17.	U
131-11-3	Dimethyl phthalate	ND	190	40.	U
56-55-3	Benzo(a)anthracene	220	110	21.	
50-32-8	Benzo(a)pyrene	200	150	46.	
205-99-2	Benzo(b)fluoranthene	300	110	32.	
207-08-9	Benzo(k)fluoranthene	99	110	30.	J
218-01-9	Chrysene	230	110	20.	
208-96-8	Acenaphthylene	38	150	29.	J
120-12-7	Anthracene	ND	110	37.	U
191-24-2	Benzo(ghi)perylene	140	150	22.	J
86-73-7	Fluorene	ND	190	18.	U
85-01-8	Phenanthrene	120	110	23.	
53-70-3	Dibenzo(a,h)anthracene	34	110	22.	J
193-39-5	Indeno(1,2,3-cd)pyrene	150	150	26.	
129-00-0	Pyrene	320	110	19.	
92-52-4	Biphenyl	ND	430	44.	U
106-47-8	4-Chloroaniline	ND	190	34.	U
88-74-4	2-Nitroaniline	ND	190	36.	U
99-09-2	3-Nitroaniline	ND	190	36.	U
100-01-6	4-Nitroaniline	ND	190	78.	U



Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-01
 Client ID : SB-5 (1-2)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8270D
 Lab File ID : 19157-01
 Sample Amount : 30.52 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 09:55
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 07:33
 Date Extracted : 05/27/18
 Dilution Factor : 1
 Analyst : CB
 Instrument ID : SV112
 GC Column : RTX5-MS
 %Solids : 87
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
132-64-9	Dibenzofuran	ND	190	18.	U
91-57-6	2-Methylnaphthalene	ND	230	23.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	190	20.	U
98-86-2	Acetophenone	ND	190	23.	U
88-06-2	2,4,6-Trichlorophenol	ND	110	36.	U
59-50-7	p-Chloro-m-cresol	ND	190	28.	U
95-57-8	2-Chlorophenol	ND	190	22.	U
120-83-2	2,4-Dichlorophenol	ND	170	30.	U
105-67-9	2,4-Dimethylphenol	ND	190	62.	U
88-75-5	2-Nitrophenol	ND	410	71.	U
100-02-7	4-Nitrophenol	ND	260	77.	U
51-28-5	2,4-Dinitrophenol	ND	910	88.	U
534-52-1	4,6-Dinitro-o-cresol	ND	490	91.	U
87-86-5	Pentachlorophenol	ND	150	42.	U
108-95-2	Phenol	ND	190	28.	U
95-48-7	2-Methylphenol	ND	190	29.	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	270	30.	U
95-95-4	2,4,5-Trichlorophenol	ND	190	36.	U
65-85-0	Benzoic Acid	ND	610	190	U
100-51-6	Benzyl Alcohol	ND	190	58.	U
86-74-8	Carbazole	ND	190	18.	U



Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-02
 Client ID : SB-5 (15-17)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8270D
 Lab File ID : 19157-02
 Sample Amount : 30.74 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 10:00
 Date Received : 05/24/18
 Date Analyzed : 05/30/18 04:23
 Date Extracted : 05/27/18
 Dilution Factor : 1
 Analyst : RC
 Instrument ID : BUFFY
 GC Column : RTX5-MS
 %Solids : 90
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	140	19.	U
120-82-1	1,2,4-Trichlorobenzene	ND	180	21.	U
118-74-1	Hexachlorobenzene	ND	110	20.	U
111-44-4	Bis(2-chloroethyl)ether	ND	160	25.	U
91-58-7	2-Chloronaphthalene	ND	180	18.	U
95-50-1	1,2-Dichlorobenzene	ND	180	33.	U
541-73-1	1,3-Dichlorobenzene	ND	180	31.	U
106-46-7	1,4-Dichlorobenzene	ND	180	32.	U
91-94-1	3,3'-Dichlorobenzidine	ND	180	48.	U
121-14-2	2,4-Dinitrotoluene	ND	180	36.	U
606-20-2	2,6-Dinitrotoluene	ND	180	31.	U
206-44-0	Fluoranthene	ND	110	21.	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	180	19.	U
101-55-3	4-Bromophenyl phenyl ether	ND	180	28.	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	220	31.	U
111-91-1	Bis(2-chloroethoxy)methane	ND	200	18.	U
87-68-3	Hexachlorobutadiene	ND	180	27.	U
77-47-4	Hexachlorocyclopentadiene	ND	520	160	U
67-72-1	Hexachloroethane	ND	140	29.	U
78-59-1	Isophorone	ND	160	24.	U
91-20-3	Naphthalene	ND	180	22.	U
98-95-3	Nitrobenzene	ND	160	27.	U
86-30-6	NDPA/DPA	ND	140	21.	U
621-64-7	n-Nitrosodi-n-propylamine	ND	180	28.	U



Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-02
 Client ID : SB-5 (15-17)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8270D
 Lab File ID : 19157-02
 Sample Amount : 30.74 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 10:00
 Date Received : 05/24/18
 Date Analyzed : 05/30/18 04:23
 Date Extracted : 05/27/18
 Dilution Factor : 1
 Analyst : RC
 Instrument ID : BUFFY
 GC Column : RTX5-MS
 %Solids : 90
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
117-81-7	Bis(2-ethylhexyl)phthalate	ND	180	63.	U
85-68-7	Butyl benzyl phthalate	ND	180	46.	U
84-74-2	Di-n-butylphthalate	ND	180	34.	U
117-84-0	Di-n-octylphthalate	ND	180	62.	U
84-66-2	Diethyl phthalate	ND	180	17.	U
131-11-3	Dimethyl phthalate	ND	180	38.	U
56-55-3	Benzo(a)anthracene	ND	110	20.	U
50-32-8	Benzo(a)pyrene	ND	140	44.	U
205-99-2	Benzo(b)fluoranthene	ND	110	31.	U
207-08-9	Benzo(k)fluoranthene	ND	110	29.	U
218-01-9	Chrysene	ND	110	19.	U
208-96-8	Acenaphthylene	ND	140	28.	U
120-12-7	Anthracene	ND	110	35.	U
191-24-2	Benzo(ghi)perylene	ND	140	21.	U
86-73-7	Fluorene	ND	180	18.	U
85-01-8	Phenanthrene	ND	110	22.	U
53-70-3	Dibenzo(a,h)anthracene	ND	110	21.	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	140	25.	U
129-00-0	Pyrene	ND	110	18.	U
92-52-4	Biphenyl	ND	410	42.	U
106-47-8	4-Chloroaniline	ND	180	33.	U
88-74-4	2-Nitroaniline	ND	180	35.	U
99-09-2	3-Nitroaniline	ND	180	34.	U
100-01-6	4-Nitroaniline	ND	180	75.	U



Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-02
 Client ID : SB-5 (15-17)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8270D
 Lab File ID : 19157-02
 Sample Amount : 30.74 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 10:00
 Date Received : 05/24/18
 Date Analyzed : 05/30/18 04:23
 Date Extracted : 05/27/18
 Dilution Factor : 1
 Analyst : RC
 Instrument ID : BUFFY
 GC Column : RTX5-MS
 %Solids : 90
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
132-64-9	Dibenzofuran	ND	180	17.	U
91-57-6	2-Methylnaphthalene	ND	220	22.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	19.	U
98-86-2	Acetophenone	ND	180	22.	U
88-06-2	2,4,6-Trichlorophenol	ND	110	34.	U
59-50-7	p-Chloro-m-cresol	ND	180	27.	U
95-57-8	2-Chlorophenol	ND	180	21.	U
120-83-2	2,4-Dichlorophenol	ND	160	29.	U
105-67-9	2,4-Dimethylphenol	ND	180	60.	U
88-75-5	2-Nitrophenol	ND	390	68.	U
100-02-7	4-Nitrophenol	ND	250	74.	U
51-28-5	2,4-Dinitrophenol	ND	870	85.	U
534-52-1	4,6-Dinitro-o-cresol	ND	470	87.	U
87-86-5	Pentachlorophenol	ND	140	40.	U
108-95-2	Phenol	ND	180	27.	U <i>UT</i>
95-48-7	2-Methylphenol	ND	180	28.	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	260	28.	U
95-95-4	2,4,5-Trichlorophenol	ND	180	35.	U
65-85-0	Benzolc Acid	ND	590	180	U
100-51-6	Benzyl Alcohol	ND	180	56.	U
86-74-8	Carbazole	ND	180	18.	U

for
9/12/18



Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-03
 Client ID : SB-2 (1-5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8270D
 Lab File ID : 19157-03
 Sample Amount : 30.58 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 10:45
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 05:25
 Date Extracted : 05/27/18
 Dilution Factor : 1
 Analyst : CB
 Instrument ID : SV112
 GC Column : RTX5-MS
 %Solids : 85
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	150	20.	U
120-82-1	1,2,4-Trichlorobenzene	ND	190	22.	U
118-74-1	Hexachlorobenzene	ND	120	21.	U
111-44-4	Bis(2-chloroethyl)ether	ND	170	26.	U
91-58-7	2-Chloronaphthalene	ND	190	19.	U
95-50-1	1,2-Dichlorobenzene	ND	190	34.	U
541-73-1	1,3-Dichlorobenzene	ND	190	33.	U
106-46-7	1,4-Dichlorobenzene	ND	190	33.	U
91-94-1	3,3'-Dichlorobenzidine	ND	190	51.	U
121-14-2	2,4-Dinitrotoluene	ND	190	38.	U
606-20-2	2,6-Dinitrotoluene	ND	190	33.	U
206-44-0	Fluoranthene	80	120	22.	J
7005-72-3	4-Chlorophenyl phenyl ether	ND	190	20.	U
101-55-3	4-Bromophenyl phenyl ether	ND	190	29.	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	230	33.	U
111-91-1	Bis(2-chloroethoxy)methane	ND	210	19.	U
87-68-3	Hexachlorobutadiene	ND	190	28.	U
77-47-4	Hexachlorocyclopentadiene	ND	550	170	U
67-72-1	Hexachloroethane	ND	150	31.	U
78-59-1	Isophorone	ND	170	25.	U
91-20-3	Naphthalene	ND	190	23.	U
98-95-3	Nitrobenzene	ND	170	28.	U
86-30-6	NDPA/DPA	ND	150	22.	U
621-64-7	n-Nitrosodi-n-propylamine	ND	190	30.	U



Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-03
 Client ID : SB-2 (1-5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8270D
 Lab File ID : 19157-03
 Sample Amount : 30.58 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 10:45
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 05:25
 Date Extracted : 05/27/18
 Dilution Factor : 1
 Analyst : CB
 Instrument ID : SV112
 GC Column : RTX5-MS
 %Solids : 85
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
117-81-7	Bis(2-ethylhexyl)phthalate	ND	190	66.	U
85-68-7	Butyl benzyl phthalate	ND	190	48.	U
84-74-2	Di-n-butylphthalate	ND	190	36.	U
117-84-0	Di-n-octylphthalate	ND	190	65.	U
84-66-2	Diethyl phthalate	ND	190	18.	U
131-11-3	Dimethyl phthalate	ND	190	40.	U
56-55-3	Benzo(a)anthracene	55	120	22.	J
50-32-8	Benzo(a)pyrene	53	150	47.	J
205-99-2	Benzo(b)fluoranthene	74	120	32.	J
207-08-9	Benzo(k)fluoranthene	ND	120	31.	U
218-01-9	Chrysene	60	120	20.	J
206-96-8	Acenaphthylene	ND	150	30.	U
120-12-7	Anthracene	ND	120	37.	U
191-24-2	Benzo(ghi)perylene	39	150	22.	J
86-73-7	Fluorene	ND	190	19.	U
85-01-8	Phenanthrene	28	120	23.	J
53-70-3	Dibenzo(a,h)anthracene	ND	120	22.	U
193-39-5	Indeno(1,2,3-cd)pyrene	42	150	27.	J
129-00-0	Pyrene	76	120	19.	J
92-52-4	Biphenyl	ND	440	44.	U
106-47-8	4-Chloroaniline	ND	190	35.	U
88-74-4	2-Nitroaniline	ND	190	37.	U
99-09-2	3-Nitroaniline	ND	190	36.	U
100-01-6	4-Nitroaniline	ND	190	79.	U



Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-03
 Client ID : SB-2 (1-5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8270D
 Lab File ID : 19157-03
 Sample Amount : 30.58 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 10:45
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 05:25
 Date Extracted : 05/27/18
 Dilution Factor : 1
 Analyst : CB
 Instrument ID : SV112
 GC Column : RTX5-MS
 %Solids : 85
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
132-64-9	Dibenzofuran	ND	190	18.	U
91-57-6	2-Methylnaphthalene	ND	230	23.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	190	20.	U
98-86-2	Acetophenone	ND	190	24.	U
88-06-2	2,4,6-Trichlorophenol	ND	120	36.	U
59-50-7	p-Chloro-m-cresol	ND	190	28.	U
95-57-8	2-Chlorophenol	ND	190	23.	U
120-83-2	2,4-Dichlorophenol	ND	170	31.	U
105-67-9	2,4-Dimethylphenol	ND	190	63.	U
88-75-5	2-Nitrophenol	ND	410	72.	U
100-02-7	4-Nitrophenol	ND	270	78.	U
51-28-5	2,4-Dinitrophenol	ND	920	89.	U
534-52-1	4,6-Dinitro-o-cresol	ND	500	92.	U
87-86-5	Pentachlorophenol	ND	150	42.	U
108-95-2	Phenol	ND	190	29.	U
95-48-7	2-Methylphenol	ND	190	30.	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	280	30.	U
95-95-4	2,4,5-Trichlorophenol	ND	190	37.	U
65-85-0	Benzoic Acid	ND	620	190	U
100-51-6	Benzyl Alcohol	ND	190	59.	U
86-74-8	Carbazole	ND	190	19.	U



Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-04
 Client ID : SB-2 (13-14)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8270D
 Lab File ID : 19157-04
 Sample Amount : 30.21 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 11:05
 Date Received : 05/24/18
 Date Analyzed : 05/30/18 04:47
 Date Extracted : 05/27/18
 Dilution Factor : 1
 Analyst : RC
 Instrument ID : BUFFY
 GC Column : RTX5-MS
 %Solids : 79
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	170	22.	U
120-82-1	1,2,4-Trichlorobenzene	ND	210	24.	U
118-74-1	Hexachlorobenzene	ND	130	24.	U
111-44-4	Bis(2-chloroethyl)ether	ND	190	28.	U
91-58-7	2-Chloronaphthalene	ND	210	21.	U
95-50-1	1,2-Dichlorobenzene	ND	210	38.	U
541-73-1	1,3-Dichlorobenzene	ND	210	36.	U
106-46-7	1,4-Dichlorobenzene	ND	210	37.	U
91-94-1	3,3'-Dichlorobenzidine	ND	210	56.	U
121-14-2	2,4-Dinitrotoluene	ND	210	42.	U
606-20-2	2,6-Dinitrotoluene	ND	210	36.	U
206-44-0	Fluoranthene	ND	130	24.	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	210	22.	U
101-55-3	4-Bromophenyl phenyl ether	ND	210	32.	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	250	36.	U
111-91-1	Bis(2-chloroethoxy)methane	ND	230	21.	U
87-68-3	Hexachlorobutadiene	ND	210	31.	U
77-47-4	Hexachlorocyclopentadiene	ND	600	190	U
67-72-1	Hexachloroethane	ND	170	34.	U
78-59-1	Isophorone	ND	190	27.	U
91-20-3	Naphthalene	ND	210	26.	U
96-95-3	Nitrobenzene	ND	190	31.	U
86-30-6	NDPA/DPA	ND	170	24.	U
621-64-7	n-Nitrosodi-n-propylamine	ND	210	32.	U



Form 1 SemiVolatile Organics

Client : Tenen Environmental, LLC
Project Name : 2135 WESTCHESTER
Lab ID : L1819157-04
Client ID : SB-2 (13-14)
Sample Location : BRONX, NY
Sample Matrix : SOIL
Analytical Method : 1,8270D
Lab File ID : 19157-04
Sample Amount : 30.21 g
Extraction Method : EPA 3546
Extract Volume : 1000 uL
GPC Cleanup : N

Lab Number : L1819157
Project Number : 2135 WESTCHESTER
Date Collected : 05/23/18 11:05
Date Received : 05/24/18
Date Analyzed : 05/30/18 04:47
Date Extracted : 05/27/18
Dilution Factor : 1
Analyst : RC
Instrument ID : BUFFY
GC Column : RTX5-MS
%Solids : 79
Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
117-81-7	Bis(2-ethylhexyl)phthalate	ND	210	73.	U
85-68-7	Butyl benzyl phthalate	ND	210	53.	U
84-74-2	Di-n-butylphthalate	ND	210	40.	U
117-84-0	Di-n-octylphthalate	ND	210	71.	U
84-66-2	Diethyl phthalate	ND	210	19.	U
131-11-3	Dimethyl phthalate	ND	210	44.	U
56-55-3	Benzo(a)anthracene	ND	130	24.	U
50-32-8	Benzo(a)pyrene	ND	170	51.	U
205-99-2	Benzo(b)fluoranthene	ND	130	35.	U
207-08-9	Benzo(k)fluoranthene	ND	130	34.	U
218-01-9	Chrysene	ND	130	22.	U
208-96-8	Acenaphthylene	ND	170	32.	U
120-12-7	Anthracene	ND	130	41.	U
191-24-2	Benzo(ghi)perylene	ND	170	25.	U
86-73-7	Fluorene	ND	210	20.	U
85-01-8	Phenanthrene	ND	130	26.	U
53-70-3	Dibenzo(a,h)anthracene	ND	130	24.	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	170	29.	U
129-00-0	Pyrene	ND	130	21.	U
92-52-4	Biphenyl	ND	480	49.	U
106-47-8	4-Chloroaniline	ND	210	38.	U
88-74-4	2-Nitroaniline	ND	210	40.	U
99-09-2	3-Nitroaniline	ND	210	40.	U
100-01-6	4-Nitroaniline	ND	210	87.	U



Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-04
 Client ID : SB-2 (13-14)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8270D
 Lab File ID : 19157-04
 Sample Amount : 30.21 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 11:05
 Date Received : 05/24/18
 Date Analyzed : 05/30/18 04:47
 Date Extracted : 05/27/18
 Dilution Factor : 1
 Analyst : RC
 Instrument ID : BUFFY
 GC Column : RTX5-MS
 %Solids : 79
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
132-64-9	Dibenzofuran	ND	210	20.	U
91-57-6	2-Methylnaphthalene	ND	250	25.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	210	22.	U
98-86-2	Acetophenone	ND	210	26.	U
88-06-2	2,4,6-Trichlorophenol	ND	130	40.	U
59-50-7	p-Chloro-m-cresol	ND	210	31.	U
95-57-8	2-Chlorophenol	ND	210	25.	U
120-83-2	2,4-Dichlorophenol	ND	190	34.	U
105-67-9	2,4-Dimethylphenol	ND	210	69.	U
88-75-5	2-Nitrophenol	ND	450	79.	U
100-02-7	4-Nitrophenol	ND	290	86.	U
51-28-5	2,4-Dinitrophenol	ND	1000	98.	U
534-52-1	4,6-Dinitro-o-cresol	ND	550	100	U
87-86-5	Pentachlorophenol	ND	170	46.	U
108-95-2	Phenol	ND	210	32.	U <i>UJ</i>
95-48-7	2-Methylphenol	ND	210	32.	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	300	33.	U
95-95-4	2,4,5-Trichlorophenol	ND	210	40.	U
65-85-0	Benzolc Acid	ND	680	210	U
100-51-6	Benzyl Alcohol	ND	210	64.	U
86-74-8	Carbazole	ND	210	20.	U

for 9/12/18



Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-05
 Client ID : SB-3 (15-16)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8270D
 Lab File ID : 19157-05
 Sample Amount : 30.27 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 12:05
 Date Received : 05/24/18
 Date Analyzed : 05/30/18 05:11
 Date Extracted : 05/27/18
 Dilution Factor : 1
 Analyst : RC
 Instrument ID : BUFFY
 GC Column : RTX5-MS
 %Solids : 86
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	150	20.	U
120-82-1	1,2,4-Trichlorobenzene	ND	190	22.	U
118-74-1	Hexachlorobenzene	ND	110	21.	U
111-44-4	Bis(2-chloroethyl)ether	ND	170	26.	U
91-58-7	2-Chloronaphthalene	ND	190	19.	U
95-50-1	1,2-Dichlorobenzene	ND	190	34.	U
541-73-1	1,3-Dichlorobenzene	ND	190	33.	U
106-46-7	1,4-Dichlorobenzene	ND	190	33.	U
91-94-1	3,3'-Dichlorobenzidine	ND	190	51.	U
121-14-2	2,4-Dinitrotoluene	ND	190	38.	U
606-20-2	2,6-Dinitrotoluene	ND	190	33.	U
206-44-0	Fluoranthene	ND	110	22.	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	190	20.	U
101-55-3	4-Bromophenyl phenyl ether	ND	190	29.	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	230	33.	U
111-91-1	Bis(2-chloroethoxy)methane	ND	210	19.	U
87-68-3	Hexachlorobutadiene	ND	190	28.	U
77-47-4	Hexachlorocyclopentadiene	ND	550	170	U
67-72-1	Hexachloroethane	ND	150	31.	U
78-59-1	Isophorone	ND	170	25.	U
91-20-3	Naphthalene	ND	190	23.	U
98-95-3	Nitrobenzene	ND	170	28.	U
86-30-6	NDPA/DPA	ND	150	22.	U
621-64-7	n-Nitrosodi-n-propylamine	ND	190	30.	U



Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-05
 Client ID : SB-3 (15-16)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8270D
 Lab File ID : 19157-05
 Sample Amount : 30.27 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 12:05
 Date Received : 05/24/18
 Date Analyzed : 05/30/18 05:11
 Date Extracted : 05/27/18
 Dilution Factor : 1
 Analyst : RC
 Instrument ID : BUFFY
 GC Column : RTX5-MS
 %Solids : 86
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
117-81-7	Bis(2-ethylhexyl)phthalate	ND	190	66.	U
85-68-7	Butyl benzyl phthalate	ND	190	48.	U
84-74-2	Di-n-butylphthalate	ND	190	36.	U
117-84-0	Di-n-octylphthalate	ND	190	65.	U
84-66-2	Diethyl phthalate	ND	190	18.	U
131-11-3	Dimethyl phthalate	ND	190	40.	U
56-55-3	Benzo(a)anthracene	ND	110	22.	U
50-32-8	Benzo(a)pyrene	ND	150	47.	U
205-99-2	Benzo(b)fluoranthene	ND	110	32.	U
207-08-9	Benzo(k)fluoranthene	ND	110	31.	U
218-01-9	Chrysene	ND	110	20.	U
208-96-8	Acenaphthylene	ND	150	30.	U
120-12-7	Anthracene	ND	110	37.	U
191-24-2	Benzo(ghi)perylene	ND	150	22.	U
86-73-7	Fluorene	ND	190	19.	U
85-01-8	Phenanthrene	ND	110	23.	U
53-70-3	Dibenzo(a,h)anthracene	ND	110	22.	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	150	27.	U
129-00-0	Pyrene	ND	110	19.	U
92-52-4	Biphenyl	ND	440	44.	U
106-47-8	4-Chloroaniline	ND	190	35.	U
88-74-4	2-Nitroaniline	ND	190	37.	U
99-09-2	3-Nitroaniline	ND	190	36.	U
100-01-6	4-Nitroaniline	ND	190	79.	U



Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-05
 Client ID : SB-3 (15-16)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8270D
 Lab File ID : 19157-05
 Sample Amount : 30.27 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 12:05
 Date Received : 05/24/18
 Date Analyzed : 05/30/18 05:11
 Date Extracted : 05/27/18
 Dilution Factor : 1
 Analyst : RC
 Instrument ID : BUFFY
 GC Column : RTX5-MS
 %Solids : 86
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
132-64-9	Dibenzofuran	ND	190	18.	U
91-57-6	2-Methylnaphthalene	ND	230	23.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	190	20.	U
98-86-2	Acetophenone	ND	190	24.	U
88-06-2	2,4,6-Trichlorophenol	ND	110	36.	U
59-50-7	p-Chloro-m-cresol	ND	190	28.	U
95-57-8	2-Chlorophenol	ND	190	23.	U
120-83-2	2,4-Dichlorophenol	ND	170	31.	U
105-67-9	2,4-Dimethylphenol	ND	190	63.	U
88-75-5	2-Nitrophenol	ND	410	72.	U
100-02-7	4-Nitrophenol	ND	270	78.	U
51-28-5	2,4-Dinitrophenol	ND	920	89.	U
534-52-1	4,6-Dinitro-o-cresol	ND	500	92.	U
87-86-5	Pentachlorophenol	ND	150	42.	U
108-95-2	Phenol	ND	190	29.	U - UJ
95-48-7	2-Methylphenol	ND	190	30.	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	280	30.	U
95-95-4	2,4,5-Trichlorophenol	ND	190	37.	U
65-85-0	Benzoic Acid	ND	620	190	U
100-51-6	Benzyl Alcohol	ND	190	58.	U
86-74-8	Carbazole	ND	190	19.	U

for
9/12/18



Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-06
 Client ID : SB-3 (1-5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8270D
 Lab File ID : 19157-06
 Sample Amount : 30.52 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 12:00
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 06:17
 Date Extracted : 05/27/18
 Dilution Factor : 1
 Analyst : CB
 Instrument ID : SV112
 GC Column : RTX5-MS
 %Solids : 84
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	160	20.	U
120-82-1	1,2,4-Trichlorobenzene	ND	190	22.	U
118-74-1	Hexachlorobenzene	ND	120	22.	U
111-44-4	Bis(2-chloroethyl)ether	ND	180	26.	U
91-58-7	2-Chloronaphthalene	ND	190	19.	U
95-50-1	1,2-Dichlorobenzene	ND	190	35.	U
541-73-1	1,3-Dichlorobenzene	ND	190	33.	U
106-46-7	1,4-Dichlorobenzene	ND	190	34.	U
91-94-1	3,3'-Dichlorobenzidine	ND	190	52.	U
121-14-2	2,4-Dinitrotoluene	ND	190	39.	U
606-20-2	2,6-Dinitrotoluene	ND	190	33.	U
206-44-0	Fluoranthene	85	120	22.	J
7005-72-3	4-Chlorophenyl phenyl ether	ND	190	21.	U
101-55-3	4-Bromophenyl phenyl ether	ND	190	30.	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	230	33.	U
111-91-1	Bis(2-chloroethoxy)methane	ND	210	19.	U
87-68-3	Hexachlorobutadiene	ND	190	28.	U
77-47-4	Hexachlorocyclopentadiene	ND	560	180	U
67-72-1	Hexachloroethane	ND	160	31.	U
78-59-1	Isophorone	ND	180	25.	U
91-20-3	Naphthalene	ND	190	24.	U
98-95-3	Nitrobenzene	ND	180	29.	U
86-30-6	NDPA/DPA	ND	160	22.	U
621-64-7	n-Nitrosodi-n-propylamine	ND	190	30.	U



Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-06
 Client ID : SB-3 (1-5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8270D
 Lab File ID : 19157-06
 Sample Amount : 30.52 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 12:00
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 06:17
 Date Extracted : 05/27/18
 Dilution Factor : 1
 Analyst : CB
 Instrument ID : SV112
 GC Column : RTX5-MS
 %Solids : 84
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
117-81-7	Bis(2-ethylhexyl)phthalate	ND	190	67.	U
85-68-7	Butyl benzyl phthalate	ND	190	49.	U
84-74-2	Di-n-butylphthalate	ND	190	37.	U
117-84-0	Di-n-octylphthalate	ND	190	66.	U
84-66-2	Diethyl phthalate	ND	190	18.	U
131-11-3	Dimethyl phthalate	ND	190	41.	U
56-55-3	Benzo(a)anthracene	55	120	22.	J
50-32-8	Benzo(a)pyrene	55	160	47.	J
205-99-2	Benzo(b)fluoranthene	82	120	33.	J
207-08-9	Benzo(k)fluoranthene	ND	120	31.	U
218-01-9	Chrysene	63	120	20.	J
208-96-8	Acenaphthylene	ND	160	30.	U
120-12-7	Anthracene	ND	120	38.	U
191-24-2	Benzo(ghi)perylene	40	160	23.	J
86-73-7	Fluorene	ND	190	19.	U
85-01-8	Phenanthrene	30	120	24.	J
53-70-3	Dibenzo(a,h)anthracene	ND	120	22.	U
193-39-5	Indeno(1,2,3-cd)pyrene	41	160	27.	J
129-00-0	Pyrene	82	120	19.	J
92-52-4	Biphenyl	ND	440	45.	U
106-47-8	4-Chloroaniline	ND	190	35.	U
88-74-4	2-Nitroaniline	ND	190	38.	U
99-09-2	3-Nitroaniline	ND	190	37.	U
100-01-6	4-Nitroaniline	ND	190	80.	U



Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-06
 Client ID : SB-3 (1-5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8270D
 Lab File ID : 19157-06
 Sample Amount : 30.52 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 12:00
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 06:17
 Date Extracted : 05/27/18
 Dilution Factor : 1
 Analyst : CB
 Instrument ID : SV112
 GC Column : RTX5-MS
 %Solids : 84
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
132-64-9	Dibenzofuran	ND	190	18.	U
91-57-6	2-Methylnaphthalene	ND	230	24.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	190	20.	U
98-86-2	Acetophenone	ND	190	24.	U
88-06-2	2,4,6-Trichlorophenol	ND	120	37.	U
59-50-7	p-Chloro-m-cresol	ND	190	29.	U
95-57-8	2-Chlorophenol	ND	190	23.	U
120-83-2	2,4-Dichlorophenol	ND	180	31.	U
105-67-9	2,4-Dimethylphenol	ND	190	64.	U
88-75-5	2-Nitrophenol	ND	420	73.	U
100-02-7	4-Nitrophenol	ND	270	79.	U
51-28-5	2,4-Dinitrophenol	ND	930	91.	U
534-52-1	4,6-Dinitro-o-cresol	ND	500	93.	U
87-86-5	Pentachlorophenol	ND	160	43.	U
108-95-2	Phenol	ND	190	29.	U
95-48-7	2-Methylphenol	ND	190	30.	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	280	30.	U
95-95-4	2,4,5-Trichlorophenol	ND	190	37.	U
65-85-0	Benzoic Acid	ND	630	200	U
100-51-6	Benzyl Alcohol	ND	190	60.	U
86-74-8	Carbazole	ND	190	19.	U



Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-07
 Client ID : SB-1 (1-5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8270D
 Lab File ID : 19157-07
 Sample Amount : 30.72 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 14:05
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 06:42
 Date Extracted : 05/27/18
 Dilution Factor : 1
 Analyst : CB
 Instrument ID : SV112
 GC Column : RTX5-MS
 %Solids : 87
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	150	19.	U
120-82-1	1,2,4-Trichlorobenzene	ND	190	21.	U
118-74-1	Hexachlorobenzene	ND	110	21.	U
111-44-4	Bis(2-chloroethyl)ether	ND	170	25.	U
91-58-7	2-Chloronaphthalene	ND	190	19.	U
95-50-1	1,2-Dichlorobenzene	ND	190	34.	U
541-73-1	1,3-Dichlorobenzene	ND	190	32.	U
106-46-7	1,4-Dichlorobenzene	ND	190	33.	U
91-94-1	3,3'-Dichlorobenzidine	ND	190	50.	U
121-14-2	2,4-Dinitrotoluene	ND	190	38.	U
606-20-2	2,6-Dinitrotoluene	ND	190	32.	U
206-44-0	Fluoranthene	130	110	22.	
7005-72-3	4-Chlorophenyl phenyl ether	ND	190	20.	U
101-55-3	4-Bromophenyl phenyl ether	ND	190	29.	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	220	32.	U
111-91-1	Bis(2-chloroethoxy)methane	ND	200	19.	U
87-68-3	Hexachlorobutadiene	ND	190	27.	U
77-47-4	Hexachlorocyclopentadiene	ND	540	170	U
67-72-1	Hexachloroethane	ND	150	30.	U
78-59-1	Isophorone	ND	170	24.	U
91-20-3	Naphthalene	ND	190	23.	U
98-95-3	Nitrobenzene	ND	170	28.	U
86-30-6	NDPA/DPA	ND	150	21.	U
621-64-7	n-Nitrosodi-n-propylamine	ND	190	29.	U



Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-07
 Client ID : SB-1 (1-5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8270D
 Lab File ID : 19157-07
 Sample Amount : 30.72 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 14:05
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 06:42
 Date Extracted : 05/27/18
 Dilution Factor : 1
 Analyst : CB
 Instrument ID : SV112
 GC Column : RTX5-MS
 %Solids : 87
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
117-81-7	Bis(2-ethylhexyl)phthalate	ND	190	65.	U
85-68-7	Butyl benzyl phthalate	ND	190	47.	U
84-74-2	Di-n-butylphthalate	55	190	36.	J
117-84-0	Di-n-octylphthalate	ND	190	64.	U
84-66-2	Diethyl phthalate	ND	190	17.	U
131-11-3	Dimethyl phthalate	ND	190	39.	U
56-55-3	Benzo(a)anthracene	78	110	21.	J
50-32-8	Benzo(a)pyrene	79	150	46.	J
205-99-2	Benzo(b)fluoranthene	110	110	32.	
207-08-9	Benzo(k)fluoranthene	39	110	30.	J
218-01-9	Chrysene	83	110	20.	J
208-96-8	Acenaphthylene	ND	150	29.	U
120-12-7	Anthracene	ND	110	36.	U
191-24-2	Benzo(ghi)perylene	58	150	22.	J
86-73-7	Fluorene	ND	190	18.	U
85-01-8	Phenanthrene	52	110	23.	J
53-70-3	Dibenzo(a,h)anthracene	ND	110	22.	U
193-39-5	Indeno(1,2,3-cd)pyrene	57	150	26.	J
129-00-0	Pyrene	110	110	19.	
92-52-4	Biphenyl	ND	430	44.	U
106-47-8	4-Chloroaniline	ND	190	34.	U
88-74-4	2-Nitroaniline	ND	190	36.	U
99-09-2	3-Nitroaniline	ND	190	35.	U
100-01-6	4-Nitroaniline	ND	190	78.	U



Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-07
 Client ID : SB-1 (1-5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8270D
 Lab File ID : 19157-07
 Sample Amount : 30.72 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 14:05
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 06:42
 Date Extracted : 05/27/18
 Dilution Factor : 1
 Analyst : CB
 Instrument ID : SV112
 GC Column : RTX5-MS
 %Solids : 87
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
132-64-9	Dibenzofuran	ND	190	18.	U
91-57-6	2-Methylnaphthalene	ND	220	23.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	190	20.	U
98-86-2	Acetophenone	ND	190	23.	U
88-06-2	2,4,6-Trichlorophenol	ND	110	36.	U
59-50-7	p-Chloro-m-cresol	ND	190	28.	U
95-57-8	2-Chlorophenol	ND	190	22.	U
120-83-2	2,4-Dichlorophenol	ND	170	30.	U
105-67-9	2,4-Dimethylphenol	ND	190	62.	U
88-75-5	2-Nitrophenol	ND	400	70.	U
100-02-7	4-Nitrophenol	ND	260	76.	U
51-28-5	2,4-Dinitrophenol	ND	900	87.	U
534-52-1	4,6-Dinitro-o-cresol	ND	490	90.	U
87-86-5	Pentachlorophenol	ND	150	41.	U
108-95-2	Phenol	ND	190	28.	U
95-48-7	2-Methylphenol	ND	190	29.	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	270	29.	U
95-95-4	2,4,5-Trichlorophenol	ND	190	36.	U
65-85-0	Benzoic Acid	ND	610	190	U
100-51-6	Benzyl Alcohol	ND	190	57.	U
86-74-8	Carbazole	ND	190	18.	U



Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-08
 Client ID : SB-1 (20-21)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8270D
 Lab File ID : 19157-08
 Sample Amount : 30.67 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 14:50
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 02:53
 Date Extracted : 05/27/18
 Dilution Factor : 1
 Analyst : CB
 Instrument ID : SV112
 GC Column : RTX5-MS
 %Solids : 82
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	160	21.	U
120-82-1	1,2,4-Trichlorobenzene	ND	200	23.	U
118-74-1	Hexachlorobenzene	ND	120	22.	U
111-44-4	Bis(2-chloroethyl)ether	ND	180	27.	U
91-58-7	2-Chloronaphthalene	ND	200	20.	U
95-50-1	1,2-Dichlorobenzene	ND	200	36.	U
541-73-1	1,3-Dichlorobenzene	ND	200	34.	U
106-46-7	1,4-Dichlorobenzene	ND	200	35.	U
91-94-1	3,3'-Dichlorobenzidine	ND	200	53.	U
121-14-2	2,4-Dinitrotoluene	ND	200	40.	U
606-20-2	2,6-Dinitrotoluene	ND	200	34.	U
206-44-0	Fluoranthene	ND	120	23.	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	200	21.	U
101-55-3	4-Bromophenyl phenyl ether	ND	200	30.	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	240	34.	U
111-91-1	Bis(2-chloroethoxy)methane	ND	210	20.	U
87-68-3	Hexachlorobutadiene	ND	200	29.	U
77-47-4	Hexachlorocyclopentadiene	ND	570	180	U
67-72-1	Hexachloroethane	ND	160	32.	U
78-59-1	Isophorone	ND	180	26.	U
91-20-3	Naphthalene	ND	200	24.	U
98-95-3	Nitrobenzene	ND	180	29.	U
86-30-6	NDPA/DPA	ND	160	23.	U
621-64-7	n-Nitrosodi-n-propylamine	ND	200	31.	U



Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-08
 Client ID : SB-1 (20-21)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8270D
 Lab File ID : 19157-08
 Sample Amount : 30.67 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 14:50
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 02:53
 Date Extracted : 05/27/18
 Dilution Factor : 1
 Analyst : CB
 Instrument ID : SV112
 GC Column : RTX5-MS
 %Solids : 82
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
117-81-7	Bis(2-ethylhexyl)phthalate	ND	200	69.	U
85-68-7	Butyl benzyl phthalate	ND	200	50.	U
84-74-2	Di-n-butylphthalate	ND	200	38.	U
117-84-0	Di-n-octylphthalate	ND	200	68.	U
84-66-2	Diethyl phthalate	ND	200	18.	U
131-11-3	Dimethyl phthalate	ND	200	42.	U
56-55-3	Benzo(a)anthracene	ND	120	22.	U
50-32-8	Benzo(a)pyrene	ND	160	48.	U
205-99-2	Benzo(b)fluoranthene	ND	120	34.	U
207-08-9	Benzo(k)fluoranthene	ND	120	32.	U
218-01-9	Chrysene	ND	120	21.	U
208-96-8	Acenaphthylene	ND	160	31.	U
120-12-7	Anthracene	ND	120	39.	U
191-24-2	Benzo(ghi)perylene	ND	160	23.	U
86-73-7	Fluorene	ND	200	19.	U
85-01-8	Phenanthrene	ND	120	24.	U
53-70-3	Dibenzo(a,h)anthracene	ND	120	23.	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	160	28.	U
129-00-0	Pyrene	ND	120	20.	U
92-52-4	Biphenyl	ND	450	46.	U
106-47-8	4-Chloroaniline	ND	200	36.	U
88-74-4	2-Nitroaniline	ND	200	38.	U
99-09-2	3-Nitroaniline	ND	200	38.	U
100-01-6	4-Nitroaniline	ND	200	82.	U



Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-08
 Client ID : SB-1 (20-21)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8270D
 Lab File ID : 19157-08
 Sample Amount : 30.67 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 14:50
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 02:53
 Date Extracted : 05/27/18
 Dilution Factor : 1
 Analyst : CB
 Instrument ID : SV112
 GC Column : RTX5-MS
 %Solids : 82
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
132-64-9	Dibenzofuran	ND	200	19.	U
91-57-6	2-Methylnaphthalene	ND	240	24.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	200	21.	U
98-86-2	Acetophenone	ND	200	25.	U
88-06-2	2,4,6-Trichlorophenol	ND	120	38.	U
59-50-7	p-Chloro-m-cresol	ND	200	30.	U
95-57-8	2-Chlorophenol	ND	200	24.	U
120-83-2	2,4-Dichlorophenol	ND	180	32.	U
105-67-9	2,4-Dimethylphenol	ND	200	66.	U
88-75-5	2-Nitrophenol	ND	430	75.	U
100-02-7	4-Nitrophenol	ND	280	81.	U
51-28-5	2,4-Dinitrophenol	ND	960	93.	U
534-52-1	4,6-Dinitro-o-cresol	ND	520	96.	U
87-86-5	Pentachlorophenol	ND	160	44.	U
108-95-2	Phenol	ND	200	30.	U
95-48-7	2-Methylphenol	ND	200	31.	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	290	31.	U
95-95-4	2,4,5-Trichlorophenol	ND	200	38.	U
65-85-0	Benzoic Acid	ND	640	200	U
100-51-6	Benzyl Alcohol	ND	200	61.	U
86-74-8	Carbazole	ND	200	19.	U



Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-09
 Client ID : SB-1 (20-21) DUP
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8270D
 Lab File ID : 19157-09
 Sample Amount : 30.02 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 14:55
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 03:18
 Date Extracted : 05/27/18
 Dilution Factor : 1
 Analyst : CB
 Instrument ID : SV112
 GC Column : RTX5-MS
 %Solids : 81
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	160	21.	U
120-82-1	1,2,4-Trichlorobenzene	ND	210	24.	U
118-74-1	Hexachlorobenzene	ND	120	23.	U
111-44-4	Bis(2-chloroethyl)ether	ND	180	28.	U
91-58-7	2-Chloronaphthalene	ND	210	20.	U
95-50-1	1,2-Dichlorobenzene	ND	210	37.	U
541-73-1	1,3-Dichlorobenzene	ND	210	35.	U
106-46-7	1,4-Dichlorobenzene	ND	210	36.	U
91-94-1	3,3'-Dichlorobenzidine	ND	210	55.	U
121-14-2	2,4-Dinitrotoluene	ND	210	41.	U
606-20-2	2,6-Dinitrotoluene	ND	210	35.	U
206-44-0	Fluoranthene	ND	120	24.	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	210	22.	U
101-55-3	4-Bromophenyl phenyl ether	ND	210	31.	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	250	35.	U
111-91-1	Bis(2-chloroethoxy)methane	ND	220	21.	U
87-68-3	Hexachlorobutadiene	ND	210	30.	U
77-47-4	Hexachlorocyclopentadiene	ND	590	190	U
67-72-1	Hexachloroethane	ND	160	33.	U
78-59-1	Isophorone	ND	180	27.	U
91-20-3	Naphthalene	ND	210	25.	U
98-95-3	Nitrobenzene	ND	180	30.	U
86-30-6	NDPA/DPA	ND	160	23.	U
621-64-7	n-Nitrosodi-n-propylamine	ND	210	32.	U



Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-09
 Client ID : SB-1 (20-21) DUP
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8270D
 Lab File ID : 19157-09
 Sample Amount : 30.02 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 14:55
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 03:18
 Date Extracted : 05/27/18
 Dilution Factor : 1
 Analyst : CB
 Instrument ID : SV112
 GC Column : RTX5-MS
 %Solids : 81
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
117-81-7	Bis(2-ethylhexyl)phthalate	ND	210	71.	U
85-68-7	Butyl benzyl phthalate	ND	210	52.	U
84-74-2	Di-n-butylphthalate	ND	210	39.	U
117-84-0	Di-n-octylphthalate	ND	210	70.	U
84-66-2	Diethyl phthalate	ND	210	19.	U
131-11-3	Dimethyl phthalate	ND	210	43.	U
56-55-3	Benzo(a)anthracene	ND	120	23.	U
50-32-8	Benzo(a)pyrene	ND	160	50.	U
205-99-2	Benzo(b)fluoranthene	ND	120	35.	U
207-08-9	Benzo(k)fluoranthene	ND	120	33.	U
218-01-9	Chrysene	ND	120	21.	U
208-96-8	Acenaphthylene	ND	160	32.	U
120-12-7	Anthracene	ND	120	40.	U
191-24-2	Benzo(ghi)perylene	ND	160	24.	U
86-73-7	Fluorene	ND	210	20.	U
85-01-8	Phenanthrene	ND	120	25.	U
53-70-3	Dibenzo(a,h)anthracene	ND	120	24.	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	160	29.	U
129-00-0	Pyrene	ND	120	20.	U
92-52-4	Biphenyl	ND	470	48.	U
106-47-8	4-Chloroaniline	ND	210	38.	U
88-74-4	2-Nitroaniline	ND	210	40.	U
99-09-2	3-Nitroaniline	ND	210	39.	U
100-01-6	4-Nitroaniline	ND	210	85.	U



Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-09
 Client ID : SB-1 (20-21) DUP
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8270D
 Lab File ID : 19157-09
 Sample Amount : 30.02 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 14:55
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 03:18
 Date Extracted : 05/27/18
 Dilution Factor : 1
 Analyst : CB
 Instrument ID : SV112
 GC Column : RTX5-MS
 %Solids : 81
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
132-64-9	Dibenzofuran	ND	210	20.	U
91-57-6	2-Methylnaphthalene	ND	250	25.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	210	22.	U
98-86-2	Acetophenone	ND	210	26.	U
88-06-2	2,4,6-Trichlorophenol	ND	120	39.	U
59-50-7	p-Chloro-m-cresol	ND	210	31.	U
95-57-8	2-Chlorophenol	ND	210	24.	U
120-83-2	2,4-Dichlorophenol	ND	180	33.	U
105-67-9	2,4-Dimethylphenol	ND	210	68.	U
88-75-5	2-Nitrophenol	ND	440	78.	U
100-02-7	4-Nitrophenol	ND	290	84.	U
51-28-5	2,4-Dinitrophenol	ND	990	96.	U
534-52-1	4,6-Dinitro-o-cresol	ND	540	99.	U
87-86-5	Pentachlorophenol	ND	160	45.	U
108-95-2	Phenol	ND	210	31.	U
95-48-7	2-Methylphenol	ND	210	32.	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	300	32.	U
95-95-4	2,4,5-Trichlorophenol	ND	210	39.	U
65-85-0	Benzoic Acid	ND	670	210	U
100-51-6	Benzyl Alcohol	ND	210	63.	U
86-74-8	Carbazole	ND	210	20.	U



Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-10
 Client ID : SB-4 (0-5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8270D
 Lab File ID : 19157-10
 Sample Amount : 30.45 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 15:25
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 03:44
 Date Extracted : 05/27/18
 Dilution Factor : 1
 Analyst : CB
 Instrument ID : SV112
 GC Column : RTX5-MS
 %Solids : 88
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	150	19.	U
120-82-1	1,2,4-Trichlorobenzene	ND	180	21.	U
118-74-1	Hexachlorobenzene	ND	110	21.	U
111-44-4	Bis(2-chloroethyl)ether	ND	170	25.	U
91-58-7	2-Chloronaphthalene	ND	180	18.	U
95-50-1	1,2-Dichlorobenzene	ND	180	33.	U
541-73-1	1,3-Dichlorobenzene	ND	180	32.	U
106-46-7	1,4-Dichlorobenzene	ND	180	32.	U
91-94-1	3,3'-Dichlorobenzidine	ND	180	49.	U
121-14-2	2,4-Dinitrotoluene	ND	180	37.	U
606-20-2	2,6-Dinitrotoluene	ND	180	32.	U
206-44-0	Fluoranthene	ND	110	21.	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	180	20.	U
101-55-3	4-Bromophenyl phenyl ether	ND	180	28.	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	220	32.	U
111-91-1	Bis(2-chloroethoxy)methane	ND	200	19.	U
87-68-3	Hexachlorobutadiene	ND	180	27.	U
77-47-4	Hexachlorocyclopentadiene	ND	530	170	U
67-72-1	Hexachloroethane	ND	150	30.	U
78-59-1	Isophorone	ND	170	24.	U
91-20-3	Naphthalene	ND	180	23.	U
98-95-3	Nitrobenzene	ND	170	27.	U
86-30-6	NDPA/DPA	ND	150	21.	U
621-64-7	n-Nitrosodi-n-propylamine	ND	180	29.	U



Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-10
 Client ID : SB-4 (0-5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8270D
 Lab File ID : 19157-10
 Sample Amount : 30.45 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 15:25
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 03:44
 Date Extracted : 05/27/18
 Dilution Factor : 1
 Analyst : CB
 Instrument ID : SV112
 GC Column : RTX5-MS
 %Solids : 88
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
117-81-7	Bis(2-ethylhexyl)phthalate	ND	180	64.	U
85-68-7	Butyl benzyl phthalate	ND	180	47.	U
84-74-2	Di-n-butylphthalate	ND	180	35.	U
117-84-0	Di-n-octylphthalate	ND	180	63.	U
84-66-2	Diethyl phthalate	ND	180	17.	U
131-11-3	Dimethyl phthalate	ND	180	39.	U
56-55-3	Benzo(a)anthracene	ND	110	21.	U
50-32-8	Benzo(a)pyrene	ND	150	45.	U
205-99-2	Benzo(b)fluoranthene	ND	110	31.	U
207-08-9	Benzo(k)fluoranthene	ND	110	30.	U
218-01-9	Chrysene	ND	110	19.	U
208-96-8	Acenaphthylene	ND	150	29.	U
120-12-7	Anthracene	ND	110	36.	U
191-24-2	Benzo(ghi)perylene	ND	150	22.	U
86-73-7	Fluorene	ND	180	18.	U
85-01-8	Phenanthrene	ND	110	22.	U
53-70-3	Dibenzo(a,h)anthracene	ND	110	21.	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	150	26.	U
129-00-0	Pyrene	ND	110	18.	U
92-52-4	Biphenyl	ND	420	43.	U
106-47-8	4-Chloroaniline	ND	180	34.	U
88-74-4	2-Nitroaniline	ND	180	36.	U
99-09-2	3-Nitroaniline	ND	180	35.	U
100-01-6	4-Nitroaniline	ND	180	77.	U



Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-10
 Client ID : SB-4 (0-5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8270D
 Lab File ID : 19157-10
 Sample Amount : 30.45 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 15:25
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 03:44
 Date Extracted : 05/27/18
 Dilution Factor : 1
 Analyst : CB
 Instrument ID : SV112
 GC Column : RTX5-MS
 %Solids : 88
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
132-64-9	Dibenzofuran	ND	180	18.	U
91-57-6	2-Methylnaphthalene	ND	220	22.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	19.	U
98-86-2	Acetophenone	ND	180	23.	U
88-06-2	2,4,6-Trichlorophenol	ND	110	35.	U
59-50-7	p-Chloro-m-cresol	ND	180	28.	U
95-57-8	2-Chlorophenol	ND	180	22.	U
120-83-2	2,4-Dichlorophenol	ND	170	30.	U
105-67-9	2,4-Dimethylphenol	ND	180	61.	U
88-75-5	2-Nitrophenol	ND	400	70.	U
100-02-7	4-Nitrophenol	ND	260	76.	U
51-28-5	2,4-Dinitrophenol	ND	890	86.	U
534-52-1	4,6-Dinitro-o-cresol	ND	480	89.	U
87-86-5	Pentachlorophenol	ND	150	41.	U
108-95-2	Phenol	ND	180	28.	U
95-48-7	2-Methylphenol	ND	180	29.	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	270	29.	U
95-95-4	2,4,5-Trichlorophenol	ND	180	36.	U
65-85-0	Benzoic Acid	ND	600	190	U
100-51-6	Benzyl Alcohol	ND	180	57.	U
86-74-8	Carbazole	ND	180	18.	U



Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-11
 Client ID : SB-4 (18-20)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8270D
 Lab File ID : 19157-11
 Sample Amount : 30.6 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 15:50
 Date Received : 05/24/18
 Date Analyzed : 05/30/18 03:58
 Date Extracted : 05/27/18
 Dilution Factor : 1
 Analyst : RC
 Instrument ID : BUFFY
 GC Column : RTX5-MS
 %Solids : 90
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	140	19.	U
120-82-1	1,2,4-Trichlorobenzene	ND	180	21.	U
118-74-1	Hexachlorobenzene	ND	110	20.	U
111-44-4	Bis(2-chloroethyl)ether	ND	160	25.	U
91-58-7	2-Chloronaphthalene	ND	180	18.	U
95-50-1	1,2-Dichlorobenzene	ND	180	33.	U
541-73-1	1,3-Dichlorobenzene	ND	180	31.	U
106-46-7	1,4-Dichlorobenzene	ND	180	32.	U
91-94-1	3,3'-Dichlorobenzidine	ND	180	48.	U
121-14-2	2,4-Dinitrotoluene	ND	180	36.	U
606-20-2	2,6-Dinitrotoluene	ND	180	31.	U
206-44-0	Fluoranthene	ND	110	21.	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	180	19.	U
101-55-3	4-Bromophenyl phenyl ether	ND	180	28.	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	220	31.	U
111-91-1	Bis(2-chloroethoxy)methane	ND	200	18.	U
87-68-3	Hexachlorobutadiene	ND	180	26.	U
77-47-4	Hexachlorocyclopentadiene	ND	520	160	U
67-72-1	Hexachloroethane	ND	140	29.	U
78-59-1	Isophorone	ND	160	24.	U
91-20-3	Naphthalene	ND	180	22.	U
98-95-3	Nitrobenzene	ND	160	27.	U
86-30-6	NDPA/DPA	ND	140	21.	U
621-64-7	n-Nitrosodi-n-propylamine	ND	180	28.	U



Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-11
 Client ID : SB-4 (18-20)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8270D
 Lab File ID : 19157-11
 Sample Amount : 30.6 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 15:50
 Date Received : 05/24/18
 Date Analyzed : 05/30/18 03:58
 Date Extracted : 05/27/18
 Dilution Factor : 1
 Analyst : RC
 Instrument ID : BUFFY
 GC Column : RTX5-MS
 %Solids : 90
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
117-81-7	Bis(2-ethylhexyl)phthalate	ND	180	63.	U
85-68-7	Butyl benzyl phthalate	ND	180	46.	U
84-74-2	Di-n-butylphthalate	ND	180	34.	U
117-84-0	Di-n-octylphthalate	ND	180	62.	U
84-66-2	Diethyl phthalate	ND	180	17.	U
131-11-3	Dimethyl phthalate	ND	180	38.	U
56-55-3	Benzo(a)anthracene	ND	110	20.	U
50-32-8	Benzo(a)pyrene	ND	140	44.	U
205-99-2	Benzo(b)fluoranthene	ND	110	30.	U
207-08-9	Benzo(k)fluoranthene	ND	110	29.	U
218-01-9	Chrysene	ND	110	19.	U
208-96-8	Acenaphthylene	ND	140	28.	U
120-12-7	Anthracene	ND	110	35.	U
191-24-2	Benzo(ghi)perylene	ND	140	21.	U
86-73-7	Fluorene	ND	180	18.	U
85-01-8	Phenanthrene	ND	110	22.	U
53-70-3	Dibenzo(a,h)anthracene	ND	110	21.	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	140	25.	U
129-00-0	Pyrene	ND	110	18.	U
92-52-4	Biphenyl	ND	410	42.	U
106-47-8	4-Chloroaniline	ND	180	33.	U
88-74-4	2-Nitroaniline	ND	180	35.	U
99-09-2	3-Nitroaniline	ND	180	34.	U
100-01-6	4-Nitroaniline	ND	180	75.	U



Form 1 SemiVolatile Organics

Client : Tenen Environmental, LLC
Project Name : 2135 WESTCHESTER
Lab ID : L1819157-11
Client ID : SB-4 (18-20)
Sample Location : BRONX, NY
Sample Matrix : SOIL
Analytical Method : 1,8270D
Lab File ID : 19157-11
Sample Amount : 30.6 g
Extraction Method : EPA 3546
Extract Volume : 1000 uL
GPC Cleanup : N

Lab Number : L1819157
Project Number : 2135 WESTCHESTER
Date Collected : 05/23/18 15:50
Date Received : 05/24/18
Date Analyzed : 05/30/18 03:58
Date Extracted : 05/27/18
Dilution Factor : 1
Analyst : RC
Instrument ID : BUFFY
GC Column : RTX5-MS
%Solids : 90
Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
132-64-9	Dibenzofuran	ND	180	17.	U
91-57-6	2-Methylnaphthalene	ND	220	22.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	19.	U
98-86-2	Acetophenone	ND	180	22.	U
88-06-2	2,4,6-Trichlorophenol	ND	110	34.	U
59-50-7	p-Chloro-m-cresol	ND	180	27.	U
95-57-8	2-Chlorophenol	ND	180	21.	U
120-83-2	2,4-Dichlorophenol	ND	160	29.	U
105-67-9	2,4-Dimethylphenol	ND	180	60.	U
88-75-5	2-Nitrophenol	ND	390	68.	U
100-02-7	4-Nitrophenol	ND	250	74.	U
51-28-5	2,4-Dinitrophenol	ND	870	85.	U
534-52-1	4,6-Dinitro-o-cresol	ND	470	87.	U
87-86-5	Pentachlorophenol	ND	140	40.	U
108-95-2	Phenol	ND	180	27.	U - UJ
95-48-7	2-Methylphenol	ND	180	28.	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	260	28.	U
95-95-4	2,4,5-Trichlorophenol	ND	180	35.	U
65-85-0	Benzoic Acid	ND	590	180	U - R
100-51-6	Benzyl Alcohol	ND	180	56.	U
86-74-8	Carbazole	ND	180	18.	U

for
9/12/18
ALPHA
ANALYTICAL

Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-12
 Client ID : S1-S (0-0.5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8270D
 Lab File ID : 19157-12
 Sample Amount : 30.57 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 13:36
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 05:51
 Date Extracted : 05/27/18
 Dilution Factor : 1
 Analyst : CB
 Instrument ID : SV112
 GC Column : RTX5-MS
 %Solids : 87
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	150	19.	U
120-82-1	1,2,4-Trichlorobenzene	ND	190	22.	U
118-74-1	Hexachlorobenzene	ND	110	21.	U
111-44-4	Bis(2-chloroethyl)ether	ND	170	26.	U
91-58-7	2-Chloronaphthalene	ND	190	19.	U
95-50-1	1,2-Dichlorobenzene	ND	190	34.	U
541-73-1	1,3-Dichlorobenzene	ND	190	32.	U
106-46-7	1,4-Dichlorobenzene	ND	190	33.	U
91-94-1	3,3'-Dichlorobenzidine	ND	190	50.	U
121-14-2	2,4-Dinitrotoluene	ND	190	38.	U
606-20-2	2,6-Dinitrotoluene	ND	190	32.	U
206-44-0	Fluoranthene	24	110	22.	J
7005-72-3	4-Chlorophenyl phenyl ether	ND	190	20.	U
101-55-3	4-Bromophenyl phenyl ether	ND	190	29.	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	220	32.	U
111-91-1	Bis(2-chloroethoxy)methane	ND	200	19.	U
87-68-3	Hexachlorobutadiene	ND	190	28.	U
77-47-4	Hexachlorocyclopentadiene	ND	540	170	U
67-72-1	Hexachloroethane	ND	150	30.	U
78-59-1	Isophorone	ND	170	24.	U
91-20-3	Naphthalene	ND	190	23.	U
98-95-3	Nitrobenzene	ND	170	28.	U
86-30-6	NDPA/DPA	ND	150	21.	U
621-64-7	n-Nitrosodi-n-propylamine	ND	190	29.	U



Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-12
 Client ID : S1-S (0-0.5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8270D
 Lab File ID : 19157-12
 Sample Amount : 30.57 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 13:36
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 05:51
 Date Extracted : 05/27/18
 Dilution Factor : 1
 Analyst : CB
 Instrument ID : SV112
 GC Column : RTX5-MS
 %Solids : 87
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualfier
		Results	RL	MDL	
117-81-7	Bis(2-ethylhexyl)phthalate	ND	190	65.	U
85-68-7	Butyl benzyl phthalate	ND	190	47.	U
84-74-2	Di-n-butylphthalate	ND	190	36.	U
117-84-0	Di-n-octylphthalate	ND	190	64.	U
84-66-2	Diethyl phthalate	ND	190	17.	U
131-11-3	Dimethyl phthalate	ND	190	40.	U
56-55-3	Benzo(a)anthracene	21	110	21.	J
50-32-8	Benzo(a)pyrene	ND	150	46.	U
205-99-2	Benzo(b)fluoranthene	41	110	32.	J
207-08-9	Benzo(k)fluoranthene	ND	110	30.	U
218-01-9	Chrysene	23	110	20.	J
208-96-8	Acenaphthylene	ND	150	29.	U
120-12-7	Anthracene	ND	110	37.	U
191-24-2	Benzo(ghi)perylene	38	150	22.	J
86-73-7	Fluorene	ND	190	18.	U
85-01-8	Phenanthrene	ND	110	23.	U
53-70-3	Dibenzo(a,h)anthracene	ND	110	22.	U
193-39-5	Indeno(1,2,3-cd)pyrene	31	150	26.	J
129-00-0	Pyrene	24	110	19.	J
92-52-4	Biphenyl	ND	430	44.	U
106-47-8	4-Chloroaniline	ND	190	34.	U
88-74-4	2-Nitroaniline	ND	190	36.	U
99-09-2	3-Nitroaniline	ND	190	35.	U
100-01-6	4-Nitroaniline	ND	190	78.	U



Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-12
 Client ID : S1-S (0-0.5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8270D
 Lab File ID : 19157-12
 Sample Amount : 30.57 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 13:36
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 05:51
 Date Extracted : 05/27/18
 Dilution Factor : 1
 Analyst : CB
 Instrument ID : SV112
 GC Column : RTX5-MS
 %Solids : 87
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
132-64-9	Dibenzofuran	ND	190	18.	U
91-57-6	2-Methylnaphthalene	ND	220	23.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	190	20.	U
98-86-2	Acetophenone	ND	190	23.	U
88-06-2	2,4,6-Trichlorophenol	ND	110	36.	U
59-50-7	p-Chloro-m-cresol	ND	190	28.	U
95-57-8	2-Chlorophenol	ND	190	22.	U
120-83-2	2,4-Dichlorophenol	ND	170	30.	U
105-67-9	2,4-Dimethylphenol	ND	190	62.	U
88-75-5	2-Nitrophenol	ND	410	71.	U
100-02-7	4-Nitrophenol	ND	260	77.	U
51-28-5	2,4-Dinitrophenol	ND	900	88.	U
534-52-1	4,6-Dinitro-o-cresol	ND	490	90.	U
87-86-5	Pentachlorophenol	ND	150	41.	U
108-95-2	Phenol	ND	190	28.	U
95-48-7	2-Methylphenol	ND	190	29.	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	270	29.	U
95-95-4	2,4,5-Trichlorophenol	ND	190	36.	U
65-85-0	Benzoic Acid	ND	610	190	U
100-51-6	Benzyl Alcohol	ND	190	58.	U
86-74-8	Carbazole	ND	190	18.	U



Form 1 SemiVolatile Organics

Client : Tenen Environmental, LLC
Project Name : 2135 WESTCHESTER
Lab ID : L1819157-13
Client ID : S1-E (0-0.5)
Sample Location : BRONX, NY
Sample Matrix : SOIL
Analytical Method : 1,8270D
Lab File ID : 19157-13
Sample Amount : 30.74 g
Extraction Method : EPA 3546
Extract Volume : 1000 uL
GPC Cleanup : N

Lab Number : L1819157
Project Number : 2135 WESTCHESTER
Date Collected : 05/23/18 13:44
Date Received : 05/24/18
Date Analyzed : 06/01/18 01:32
Date Extracted : 05/31/18
Dilution Factor : 1
Analyst : SZ
Instrument ID : SV103
GC Column : RTX5-MS
%Solids : 87
Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	150	19.	U
120-82-1	1,2,4-Trichlorobenzene	ND	190	21.	U
118-74-1	Hexachlorobenzene	ND	110	21.	U
111-44-4	Bis(2-chloroethyl)ether	ND	170	25.	U
91-58-7	2-Chloronaphthalene	ND	190	18.	U
95-50-1	1,2-Dichlorobenzene	ND	190	33.	U
541-73-1	1,3-Dichlorobenzene	ND	190	32.	U
106-46-7	1,4-Dichlorobenzene	ND	190	32.	U
91-94-1	3,3'-Dichlorobenzidine	ND	190	50.	U
121-14-2	2,4-Dinitrotoluene	ND	190	37.	U <i>UT</i>
606-20-2	2,6-Dinitrotoluene	ND	190	32.	U <i>UT</i>
206-44-0	Fluoranthene	63	110	21.	J
7005-72-3	4-Chlorophenyl phenyl ether	ND	190	20.	U
101-55-3	4-Bromophenyl phenyl ether	ND	190	28.	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	220	32.	U <i>UT</i>
111-91-1	Bis(2-chloroethoxy)methane	ND	200	19.	U
87-68-3	Hexachlorobutadiene	ND	190	27.	U
77-47-4	Hexachlorocyclopentadiene	ND	530	170	U
67-72-1	Hexachloroethane	ND	150	30.	U
78-59-1	Isophorone	ND	170	24.	U
91-20-3	Naphthalene	ND	190	23.	U
98-95-3	Nitrobenzene	ND	170	28.	U
86-30-6	NDPA/DPA	ND	150	21.	U
621-64-7	n-Nitrosodi-n-propylamine	ND	190	29.	U

for 9/12/18



Form 1 SemiVolatile Organics

Client : Tenen Environmental, LLC
Project Name : 2135 WESTCHESTER
Lab ID : L1819157-13
Client ID : S1-E (0-0.5)
Sample Location : BRONX, NY
Sample Matrix : SOIL
Analytical Method : 1,8270D
Lab File ID : 19157-13
Sample Amount : 30.74 g
Extraction Method : EPA 3546
Extract Volume : 1000 uL
GPC Cleanup : N

Lab Number : L1819157
Project Number : 2135 WESTCHESTER
Date Collected : 05/23/18 13:44
Date Received : 05/24/18
Date Analyzed : 06/01/18 01:32
Date Extracted : 05/31/18
Dilution Factor : 1
Analyst : SZ
Instrument ID : SV103
GC Column : RTX5-MS
%Solids : 87
Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
117-81-7	Bis(2-ethylhexyl)phthalate	ND	190	64.	U
85-68-7	Butyl benzyl phthalate	ND	190	47.	U
84-74-2	Di-n-butylphthalate	ND	190	35.	U
117-84-0	Di-n-octylphthalate	ND	190	63.	U
84-66-2	Diethyl phthalate	ND	190	17.	U
131-11-3	Dimethyl phthalate	ND	190	39.	U
56-55-3	Benzo(a)anthracene	37	110	21.	J
50-32-8	Benzo(a)pyrene	ND	150	45.	U
205-99-2	Benzo(b)fluoranthene	53	110	31.	J
207-08-9	Benzo(k)fluoranthene	ND	110	30.	U
218-01-9	Chrysene	39	110	19.	J
208-96-8	Acenaphthylene	ND	150	29.	U
120-12-7	Anthracene	ND	110	36.	U
191-24-2	Benzo(ghi)perylene	28	150	22.	J
86-73-7	Fluorene	ND	190	18.	U
85-01-8	Phenanthrene	57	110	23.	J
53-70-3	Dibenzo(a,h)anthracene	ND	110	22.	U
193-39-5	Indeno(1,2,3-cd)pyrene	28	150	26.	J
129-00-0	Pyrene	52	110	18.	J
92-52-4	Biphenyl	ND	420	43.	U
106-47-8	4-Chloroaniline	ND	190	34.	U
88-74-4	2-Nitroaniline	ND	190	36.	U
99-09-2	3-Nitroaniline	ND	190	35.	U <i>UJ</i>
100-01-6	4-Nitroaniline	ND	190	77.	U

for 9/12/18



Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-13
 Client ID : S1-E (0-0.5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8270D
 Lab File ID : 19157-13
 Sample Amount : 30.74 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 13:44
 Date Received : 05/24/18
 Date Analyzed : 06/01/18 01:32
 Date Extracted : 05/31/18
 Dilution Factor : 1
 Analyst : SZ
 Instrument ID : SV103
 GC Column : RTX5-MS
 %Solids : 87
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
132-64-9	Dibenzofuran	ND	190	18.	U
91-57-6	2-Methylnaphthalene	ND	220	22.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	190	19.	U
98-86-2	Acetophenone	ND	190	23.	U
88-06-2	2,4,6-Trichlorophenol	ND	110	35.	U
59-50-7	p-Chloro-m-cresol	ND	190	28.	U
95-57-8	2-Chlorophenol	ND	190	22.	U
120-83-2	2,4-Dichlorophenol	ND	170	30.	U
105-67-9	2,4-Dimethylphenol	ND	190	61.	U
88-75-5	2-Nitrophenol	ND	400	70.	U
100-02-7	4-Nitrophenol	ND	260	76.	U
51-28-5	2,4-Dinitrophenol	ND	890	87.	U
534-52-1	4,6-Dinitro-o-cresol	ND	480	89.	U
87-86-5	Pentachlorophenol	ND	150	41.	U
108-95-2	Phenol	ND	190	28.	U
95-48-7	2-Methylphenol	ND	190	29.	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	270	29.	U
95-95-4	2,4,5-Trichlorophenol	ND	190	36.	U
65-85-0	Benzoic Acid	ND	600	190	U
100-51-6	Benzyl Alcohol	ND	190	57.	U
86-74-8	Carbazole	ND	190	18.	U



Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-14
 Client ID : S1-C (0.5-1)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8270D
 Lab File ID : 19157-14
 Sample Amount : 30.5 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 13:57
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 04:09
 Date Extracted : 05/27/18
 Dilution Factor : 1
 Analyst : CB
 Instrument ID : SV112
 GC Column : RTX5-MS
 %Solids : 93
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	140	18.	U
120-82-1	1,2,4-Trichlorobenzene	ND	180	20.	U
118-74-1	Hexachlorobenzene	ND	100	20.	U
111-44-4	Bis(2-chloroethyl)ether	ND	160	24.	U
91-58-7	2-Chloronaphthalene	ND	180	17.	U
95-50-1	1,2-Dichlorobenzene	ND	180	32.	U
541-73-1	1,3-Dichlorobenzene	ND	180	30.	U
106-46-7	1,4-Dichlorobenzene	ND	180	31.	U
91-94-1	3,3'-Dichlorobenzidine	ND	180	47.	U
121-14-2	2,4-Dinitrotoluene	ND	180	35.	U
606-20-2	2,6-Dinitrotoluene	ND	180	30.	U
206-44-0	Fluoranthene	ND	100	20.	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	180	19.	U
101-55-3	4-Bromophenyl phenyl ether	ND	180	27.	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	210	30.	U
111-91-1	Bis(2-chloroethoxy)methane	ND	190	18.	U
87-68-3	Hexachlorobutadiene	ND	180	26.	U
77-47-4	Hexachlorocyclopentadiene	ND	500	160	U
67-72-1	Hexachloroethane	ND	140	28.	U
78-59-1	Isophorone	ND	160	23.	U
91-20-3	Naphthalene	ND	180	21.	U
98-95-3	Nitrobenzene	ND	160	26.	U
86-30-6	NDPA/DPA	ND	140	20.	U
621-64-7	n-Nitrosodi-n-propylamine	ND	180	27.	U



Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-14
 Client ID : S1-C (0.5-1)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8270D
 Lab File ID : 19157-14
 Sample Amount : 30.5 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 13:57
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 04:09
 Date Extracted : 05/27/18
 Dilution Factor : 1
 Analyst : CB
 Instrument ID : SV112
 GC Column : RTX5-MS
 %Solids : 93
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
117-81-7	Bis(2-ethylhexyl)phthalate	ND	180	61.	U
85-68-7	Butyl benzyl phthalate	ND	180	44.	U
84-74-2	Di-n-butylphthalate	ND	180	33.	U
117-84-0	Di-n-octylphthalate	ND	180	60.	U
84-66-2	Diethyl phthalate	ND	180	16.	U
131-11-3	Dimethyl phthalate	ND	180	37.	U
56-55-3	Benzo(a)anthracene	ND	100	20.	U
50-32-8	Benzo(a)pyrene	ND	140	43.	U
205-99-2	Benzo(b)fluoranthene	ND	100	30.	U
207-08-9	Benzo(k)fluoranthene	ND	100	28.	U
218-01-9	Chrysene	ND	100	18.	U
208-96-8	Acenaphthylene	ND	140	27.	U
120-12-7	Anthracene	ND	100	34.	U
191-24-2	Benzo(ghi)perylene	ND	140	21.	U
86-73-7	Fluorene	ND	180	17.	U
85-01-8	Phenanthrene	ND	100	21.	U
53-70-3	Dibenzo(a,h)anthracene	ND	100	20.	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	140	24.	U
129-00-0	Pyrene	ND	100	17.	U
92-52-4	Biphenyl	ND	400	41.	U
106-47-8	4-Chloroaniline	ND	180	32.	U
88-74-4	2-Nitroaniline	ND	180	34.	U
99-09-2	3-Nitroaniline	ND	180	33.	U
100-01-6	4-Nitroaniline	ND	180	73.	U



Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-14
 Client ID : S1-C (0.5-1)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8270D
 Lab File ID : 19157-14
 Sample Amount : 30.5 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 13:57
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 04:09
 Date Extracted : 05/27/18
 Dilution Factor : 1
 Analyst : CB
 Instrument ID : SV112
 GC Column : RTX5-MS
 %Solids : 93
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
132-64-9	Dibenzofuran	ND	180	17.	U
91-57-6	2-Methylnaphthalene	ND	210	21.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	18.	U
98-86-2	Acetophenone	ND	180	22.	U
88-06-2	2,4,6-Trichlorophenol	ND	100	33.	U
59-50-7	p-Chloro-m-cresol	ND	180	26.	U
95-57-8	2-Chlorophenol	ND	180	21.	U
120-83-2	2,4-Dichlorophenol	ND	160	28.	U
105-67-9	2,4-Dimethylphenol	ND	180	58.	U
88-75-5	2-Nitrophenol	ND	380	66.	U
100-02-7	4-Nitrophenol	ND	240	72.	U
51-28-5	2,4-Dinitrophenol	ND	840	82.	U
534-52-1	4,6-Dinitro-o-cresol	ND	460	84.	U
87-86-5	Pentachlorophenol	ND	140	39.	U
108-95-2	Phenol	ND	180	26.	U
95-48-7	2-Methylphenol	ND	180	27.	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	250	28.	U
95-95-4	2,4,5-Trichlorophenol	ND	180	34.	U
65-85-0	Benzoic Acid	ND	570	180	U
100-51-6	Benzyl Alcohol	ND	180	54.	U
86-74-8	Carbazole	ND	180	17.	U



Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-15
 Client ID : S1-N (0.5-1.5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8270D
 Lab File ID : 19157-15
 Sample Amount : 30.41 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 14:07
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 04:34
 Date Extracted : 05/27/18
 Dilution Factor : 1
 Analyst : CB
 Instrument ID : SV112
 GC Column : RTX5-MS
 %Solids : 92
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualfier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	140	18.	U
120-82-1	1,2,4-Trichlorobenzene	ND	180	20.	U
118-74-1	Hexachlorobenzene	ND	110	20.	U
111-44-4	Bis(2-chloroethyl)ether	ND	160	24.	U
91-58-7	2-Chloronaphthalene	ND	180	18.	U
95-50-1	1,2-Dichlorobenzene	ND	180	32.	U
541-73-1	1,3-Dichlorobenzene	ND	180	31.	U
106-46-7	1,4-Dichlorobenzene	ND	180	31.	U
91-94-1	3,3'-Dichlorobenzidine	ND	180	48.	U
121-14-2	2,4-Dinitrotoluene	ND	180	36.	U
606-20-2	2,6-Dinitrotoluene	ND	180	31.	U
206-44-0	Fluoranthene	ND	110	21.	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	180	19.	U
101-55-3	4-Bromophenyl phenyl ether	ND	180	27.	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	220	31.	U
111-91-1	Bis(2-chloroethoxy)methane	ND	190	18.	U
87-68-3	Hexachlorobutadiene	ND	180	26.	U
77-47-4	Hexachlorocyclopentadiene	ND	510	160	U
67-72-1	Hexachloroethane	ND	140	29.	U
78-59-1	Isophorone	ND	160	23.	U
91-20-3	Naphthalene	ND	180	22.	U
98-95-3	Nitrobenzene	ND	160	26.	U
86-30-6	NDPA/DPA	ND	140	20.	U
621-64-7	n-Nitrosodi-n-propylamine	ND	180	28.	U



Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-15
 Client ID : S1-N (0.5-1.5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8270D
 Lab File ID : 19157-15
 Sample Amount : 30.41 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 14:07
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 04:34
 Date Extracted : 05/27/18
 Dilution Factor : 1
 Analyst : CB
 Instrument ID : SV112
 GC Column : RTX5-MS
 %Solids : 92
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
117-81-7	Bis(2-ethylhexyl)phthalate	ND	180	62.	U
85-68-7	Butyl benzyl phthalate	ND	180	45.	U
84-74-2	Di-n-butylphthalate	ND	180	34.	U
117-84-0	Di-n-octylphthalate	ND	180	61.	U
84-66-2	Diethyl phthalate	ND	180	17.	U
131-11-3	Dimethyl phthalate	ND	180	38.	U
56-55-3	Benzo(a)anthracene	ND	110	20.	U
50-32-8	Benzo(a)pyrene	ND	140	44.	U
205-99-2	Benzo(b)fluoranthene	ND	110	30.	U
207-08-9	Benzo(k)fluoranthene	ND	110	29.	U
218-01-9	Chrysene	ND	110	19.	U
208-96-8	Acenaphthylene	ND	140	28.	U
120-12-7	Anthracene	ND	110	35.	U
191-24-2	Benzo(ghi)perylene	ND	140	21.	U
86-73-7	Fluorene	ND	180	17.	U
85-01-8	Phenanthrene	ND	110	22.	U
53-70-3	Dibenzo(a,h)anthracene	ND	110	21.	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	140	25.	U
129-00-0	Pyrene	ND	110	18.	U
92-52-4	Biphenyl	ND	410	42.	U
106-47-8	4-Chloroaniline	ND	180	33.	U
88-74-4	2-Nitroaniline	ND	180	35.	U
99-09-2	3-Nitroaniline	ND	180	34.	U
100-01-6	4-Nitroaniline	ND	180	74.	U



Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-15
 Client ID : S1-N (0.5-1.5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8270D
 Lab File ID : 19157-15
 Sample Amount : 30.41 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 14:07
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 04:34
 Date Extracted : 05/27/18
 Dilution Factor : 1
 Analyst : CB
 Instrument ID : SV112
 GC Column : RTX5-MS
 %Solids : 92
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
132-64-9	Dibenzofuran	ND	180	17.	U
91-57-6	2-Methylnaphthalene	ND	220	22.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	19.	U
98-86-2	Acetophenone	ND	180	22.	U
88-06-2	2,4,6-Trichlorophenol	ND	110	34.	U
59-50-7	p-Chloro-m-cresol	ND	180	27.	U
95-57-8	2-Chlorophenol	ND	180	21.	U
120-83-2	2,4-Dichlorophenol	ND	160	29.	U
105-67-9	2,4-Dimethylphenol	ND	180	59.	U
88-75-5	2-Nitrophenol	ND	390	67.	U
100-02-7	4-Nitrophenol	ND	250	73.	U
51-28-5	2,4-Dinitrophenol	ND	860	84.	U
534-52-1	4,6-Dinitro-o-cresol	ND	470	86.	U
87-86-5	Pentachlorophenol	ND	140	39.	U
108-95-2	Phenol	ND	180	27.	U
95-48-7	2-Methylphenol	ND	180	28.	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	260	28.	U
95-95-4	2,4,5-Trichlorophenol	ND	180	34.	U
65-85-0	Benzoic Acid	ND	580	180	U
100-51-6	Benzyl Alcohol	ND	180	55.	U
86-74-8	Carbazole	ND	180	17.	U



Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-16
 Client ID : FIELD BLANK
 Sample Location : BRONX, NY
 Sample Matrix : WATER
 Analytical Method : 1,8270D
 Lab File ID : 19157-16
 Sample Amount : 1000 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 16:00
 Date Received : 05/24/18
 Date Analyzed : 05/30/18 04:29
 Date Extracted : 05/26/18
 Dilution Factor : 1
 Analyst : RC
 Instrument ID : SV103
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	2.0	0.59	U
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.66	U
118-74-1	Hexachlorobenzene	ND	2.0	0.58	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.67	U
91-58-7	2-Chloronaphthalene	ND	2.0	0.64	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.73	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.69	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.71	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.4	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.84	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	1.1	U
206-44-0	Fluoranthene	ND	2.0	0.57	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.62	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.73	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.70	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.63	U
87-68-3	Hexachlorobutadiene	ND	2.0	0.72	U
77-47-4	Hexachlorocyclopentadiene	ND	20	7.8	U
67-72-1	Hexachloroethane	ND	2.0	0.68	U
78-59-1	Isophorone	ND	5.0	0.60	U
91-20-3	Naphthalene	ND	2.0	0.68	U
98-95-3	Nitrobenzene	ND	2.0	0.75	U
86-30-6	NDPA/DPA	ND	2.0	0.64	U
621-64-7	n-Nitrosodl-n-propylamine	ND	5.0	0.70	U



Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-16
 Client ID : FIELD BLANK
 Sample Location : BRONX, NY
 Sample Matrix : WATER
 Analytical Method : 1,8270D
 Lab File ID : 19157-16
 Sample Amount : 1000 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 16:00
 Date Received : 05/24/18
 Date Analyzed : 05/30/18 04:29
 Date Extracted : 05/26/18
 Dilution Factor : 1
 Analyst : RC
 Instrument ID : SV103
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	0.91	U
85-68-7	Butyl benzyl phthalate	ND	5.0	1.3	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.69	U
117-84-0	Di-n-octylphthalate	ND	5.0	1.1	U
84-66-2	Diethyl phthalate	ND	5.0	0.63	U
131-11-3	Dimethyl phthalate	ND	5.0	0.65	U
56-55-3	Benzo(a)anthracene	ND	2.0	0.61	U
50-32-8	Benzo(a)pyrene	ND	2.0	0.54	U
205-99-2	Benzo(b)fluoranthene	ND	2.0	0.64	U
207-08-9	Benzo(k)fluoranthene	ND	2.0	0.60	U
218-01-9	Chrysene	ND	2.0	0.54	U
208-96-8	Acenaphthylene	ND	2.0	0.66	U
120-12-7	Anthracene	ND	2.0	0.64	U
191-24-2	Benzo(ghi)perylene	ND	2.0	0.61	U
86-73-7	Fluorene	ND	2.0	0.62	U
85-01-8	Phenanthrene	ND	2.0	0.61	U
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	0.55	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	0.71	U
129-00-0	Pyrene	ND	2.0	0.57	U
92-52-4	Biphenyl	ND	2.0	0.76	U
106-47-8	4-Chloroaniline	ND	5.0	0.63	U
88-74-4	2-Nitroaniline	ND	5.0	1.1	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.3	U



Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-16
 Client ID : FIELD BLANK
 Sample Location : BRONX, NY
 Sample Matrix : WATER
 Analytical Method : 1,8270D
 Lab File ID : 19157-16
 Sample Amount : 1000 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 16:00
 Date Received : 05/24/18
 Date Analyzed : 05/30/18 04:29
 Date Extracted : 05/26/18
 Dilution Factor : 1
 Analyst : RC
 Instrument ID : SV103
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
132-64-9	Dibenzofuran	ND	2.0	0.66	U
91-57-6	2-Methylnaphthalene	ND	2.0	0.72	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.67	U
98-86-2	Acetophenone	ND	5.0	0.85	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.68	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.62	U
95-57-8	2-Chlorophenol	ND	2.0	0.63	U
120-83-2	2,4-Dichlorophenol	ND	5.0	0.77	U
105-67-9	2,4-Dimethylphenol	ND	5.0	1.6	U
88-75-5	2-Nitrophenol	ND	10	1.5	U
100-02-7	4-Nitrophenol	ND	10	1.8	U
51-28-5	2,4-Dinitrophenol	ND	20	5.5	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.1	U
87-86-5	Pentachlorophenol	ND	10	3.4	U
108-95-2	Phenol	ND	5.0	1.9	U
95-48-7	2-Methylphenol	ND	5.0	1.0	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.1	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	0.72	U
65-85-0	Benzoic Acid	ND	50	13.	U
100-51-6	Benzyl Alcohol	ND	2.0	0.72	U
86-74-8	Carbazole	ND	2.0	0.63	U



Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-18
 Client ID : S1-W (0-1)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8270D
 Lab File ID : 19157-18
 Sample Amount : 30.32 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 13:22
 Date Received : 05/24/18
 Date Analyzed : 06/01/18 01:06
 Date Extracted : 05/31/18
 Dilution Factor : 1
 Analyst : SZ
 Instrument ID : SV103
 GC Column : RTX5-MS
 %Solids : 86
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	150	20.	U
120-82-1	1,2,4-Trichlorobenzene	ND	190	22.	U
118-74-1	Hexachlorobenzene	ND	120	22.	U
111-44-4	Bis(2-chloroethyl)ether	ND	170	26.	U
91-58-7	2-Chloronaphthalene	ND	190	19.	U
95-50-1	1,2-Dichlorobenzene	ND	190	35.	U
541-73-1	1,3-Dichlorobenzene	ND	190	33.	U
106-46-7	1,4-Dichlorobenzene	ND	190	34.	U
91-94-1	3,3'-Dichlorobenzidine	ND	190	51.	U
121-14-2	2,4-Dinitrotoluene	ND	190	38.	U UJ
606-20-2	2,6-Dinitrotoluene	ND	190	33.	U UJ
206-44-0	Fluoranthene	42	120	22.	J
7005-72-3	4-Chlorophenyl phenyl ether	ND	190	21.	U
101-55-3	4-Bromophenyl phenyl ether	ND	190	29.	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	230	33.	U UJ
111-91-1	Bis(2-chloroethoxy)methane	ND	210	19.	U
87-68-3	Hexachlorobutadiene	ND	190	28.	U
77-47-4	Hexachlorocyclopentadiene	ND	550	170	U
67-72-1	Hexachloroethane	ND	150	31.	U
78-59-1	Isophorone	ND	170	25.	U
91-20-3	Naphthalene	45	190	23.	J
98-95-3	Nitrobenzene	ND	170	28.	U
86-30-6	NDPA/DPA	ND	150	22.	U
621-64-7	n-Nitrosodi-n-propylamine	ND	190	30.	U

for 9/11/18



Form 1 SemiVolatile Organics

Client : Tenen Environmental, LLC
Project Name : 2135 WESTCHESTER
Lab ID : L1819157-18
Client ID : S1-W (0-1)
Sample Location : BRONX, NY
Sample Matrix : SOIL
Analytical Method : 1,8270D
Lab File ID : 19157-18
Sample Amount : 30.32 g
Extraction Method : EPA 3546
Extract Volume : 1000 uL
GPC Cleanup : N

Lab Number : L1819157
Project Number : 2135 WESTCHESTER
Date Collected : 05/23/18 13:22
Date Received : 05/24/18
Date Analyzed : 06/01/18 01:06
Date Extracted : 05/31/18
Dilution Factor : 1
Analyst : SZ
Instrument ID : SV103
GC Column : RTX5-MS
%Solids : 86
Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
117-81-7	Bis(2-ethylhexyl)phthalate	ND	190	67.	U
85-68-7	Butyl benzyl phthalate	ND	190	49.	U
84-74-2	Di-n-butylphthalate	ND	190	36.	U
117-84-0	Di-n-octylphthalate	ND	190	66.	U
84-66-2	Diethyl phthalate	ND	190	18.	U
131-11-3	Dimethyl phthalate	ND	190	40.	U
56-55-3	Benzo(a)anthracene	30	120	22.	J
50-32-8	Benzo(a)pyrene	ND	150	47.	U
205-99-2	Benzo(b)fluoranthene	39	120	32.	J
207-08-9	Benzo(k)fluoranthene	ND	120	31.	U
218-01-9	Chrysene	57	120	20.	J
208-96-8	Acenaphthylene	ND	150	30.	U
120-12-7	Anthracene	ND	120	38.	U
191-24-2	Benzo(ghi)perylene	ND	150	23.	U
86-73-7	Fluorene	ND	190	19.	U
85-01-8	Phenanthrene	120	120	23.	
53-70-3	Dibenzo(a,h)anthracene	ND	120	22.	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	150	27.	U
129-00-0	Pyrene	43	120	19.	J
92-52-4	Biphenyl	ND	440	45.	U
106-47-8	4-Chloroaniline	ND	190	35.	U
88-74-4	2-Nitroaniline	ND	190	37.	U
99-09-2	3-Nitroaniline	ND	190	36.	U <i>UJ</i>
100-01-6	4-Nitroaniline	ND	190	80.	U

for 9/11/18



Form 1

SemiVolatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-18
 Client ID : S1-W (0-1)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8270D
 Lab File ID : 19157-18
 Sample Amount : 30.32 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 13:22
 Date Received : 05/24/18
 Date Analyzed : 06/01/18 01:06
 Date Extracted : 05/31/18
 Dilution Factor : 1
 Analyst : SZ
 Instrument ID : SV103
 GC Column : RTX5-MS
 %Solids : 86
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
132-64-9	Dibenzofuran	ND	190	18.	U
91-57-6	2-Methylnaphthalene	74	230	23.	J
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	190	20.	U
98-86-2	Acetophenone	ND	190	24.	U
88-06-2	2,4,6-Trichlorophenol	ND	120	36.	U
59-50-7	p-Chloro-m-cresol	ND	190	29.	U
95-57-8	2-Chlorophenol	ND	190	23.	U
120-83-2	2,4-Dichlorophenol	ND	170	31.	U
105-67-9	2,4-Dimethylphenol	ND	190	64.	U
88-75-5	2-Nitrophenol	ND	420	72.	U
100-02-7	4-Nitrophenol	ND	270	79.	U
51-28-5	2,4-Dinitrophenol	ND	920	90.	U
534-52-1	4,6-Dinitro-o-cresol	ND	500	92.	U
87-86-5	Pentachlorophenol	ND	150	42.	U
108-95-2	Phenol	ND	190	29.	U
95-48-7	2-Methylphenol	ND	190	30.	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	280	30.	U
95-95-4	2,4,5-Trichlorophenol	ND	190	37.	U
65-85-0	Benzoic Acid	ND	620	200	U
100-51-6	Benzyl Alcohol	ND	190	59.	U
86-74-8	Carbazole	ND	190	19.	U



Appendix C
Data Summary Form I's
with Qualifications
Pesticides/PCBs/Herbicides

Form 1

GC Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-01
 Client ID : SB-5 (1-2)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8081B
 Lab File ID : 11180530b-09
 Sample Amount : 15.39 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 09:55
 Date Received : 05/24/18
 Date Analyzed : 05/30/18 19:37
 Date Extracted : 05/27/18
 Dilution Factor : 1
 Analyst : KEG
 Instrument ID : PEST11
 GC Column : CLPPesticides
 %Solids : 87
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
319-86-8	Delta-BHC	ND	1.80	0.352	U
58-89-9	Lindane	ND	0.749	0.335	U
319-84-6	Alpha-BHC	ND	0.749	0.213	U
319-85-7	Beta-BHC	ND	1.80	0.682	U
76-44-8	Heptachlor	ND	0.899	0.403	U
309-00-2	Aldrin	ND	1.80	0.633	U
1024-57-3	Heptachlor epoxide	ND	3.37	1.01	U
72-20-8	Endrin	ND	0.749	0.307	U
7421-93-4	Endrin aldehyde	ND	2.25	0.787	U
53494-70-5	Endrin ketone	ND	1.80	0.463	U
72-54-8	4,4'-DDD	ND	1.80	0.642	U
50-29-3	4,4'-DDT	2.40	3.37	1.45	J
959-98-8	Endosulfan I	ND	1.80	0.425	U
33213-65-9	Endosulfan II	ND	1.80	0.601	U
1031-07-8	Endosulfan sulfate	ND	0.749	0.357	U
72-43-5	Methoxychlor	ND	3.37	1.05	U
8001-35-2	Toxaphene	ND	33.7	9.44	U
5103-71-9	cis-Chlordane	ND	2.25	0.626	U
5103-74-2	trans-Chlordane	ND	2.25	0.594	U
57-74-9	Chlordane	ND	14.6	5.96	U



Form 1 GC Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-01
 Client ID : SB-5 (1-2)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8081B
 Lab File ID : 11180530b-09
 Sample Amount : 15.39 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 09:55
 Date Received : 05/24/18
 Date Analyzed : 05/30/18 19:37
 Date Extracted : 05/27/18
 Dilution Factor : 1
 Analyst : KEG
 Instrument ID : PEST11
 GC Column : CLPPesticidesII
 %Solids : 87
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
60-57-1	Dieldrin	0.672	1.12	0.562	J
72-55-9	4,4'-DDE	1.23	1.80	0.416	J



Form 1 GC Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-02
 Client ID : SB-5 (15-17)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8081B
 Lab File ID : 11180530b-10
 Sample Amount : 15.28 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 10:00
 Date Received : 05/24/18
 Date Analyzed : 05/30/18 19:50
 Date Extracted : 05/27/18
 Dilution Factor : 1
 Analyst : KEG
 Instrument ID : PEST11
 GC Column : CLPPesticides
 %Solids : 90
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
319-86-8	Delta-BHC	ND	1.75	0.344	U
58-89-9	Lindane	ND	0.731	0.327	U
319-84-6	Alpha-BHC	ND	0.731	0.208	U
319-85-7	Beta-BHC	ND	1.75	0.665	U
76-44-8	Heptachlor	ND	0.877	0.393	U
309-00-2	Aldrin	ND	1.75	0.618	U
1024-57-3	Heptachlor epoxide	ND	3.29	0.987	U
72-20-8	Endrin	ND	0.731	0.300	U
7421-93-4	Endrin aldehyde	ND	2.19	0.768	U
53494-70-5	Endrin ketone	ND	1.75	0.452	U
60-57-1	Dieldrin	ND	1.10	0.548	U
72-55-9	4,4'-DDE	ND	1.75	0.406	U
72-54-8	4,4'-DDD	ND	1.75	0.626	U
50-29-3	4,4'-DDT	ND	3.29	1.41	U
959-98-8	Endosulfan I	ND	1.75	0.415	U
33213-65-9	Endosulfan II	ND	1.75	0.586	U
1031-07-8	Endosulfan sulfate	ND	0.731	0.348	U
72-43-5	Methoxychlor	ND	3.29	1.02	U
8001-35-2	Toxaphene	ND	32.9	9.21	U
5103-71-9	cis-Chlordane	ND	2.19	0.611	U
5103-74-2	trans-Chlordane	ND	2.19	0.579	U
57-74-9	Chlordane	ND	14.2	5.81	U



Form 1

GC Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-03
 Client ID : SB-2 (1-5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8081B
 Lab File ID : 11180530b-11
 Sample Amount : 15.27 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 10:45
 Date Received : 05/24/18
 Date Analyzed : 05/30/18 20:02
 Date Extracted : 05/27/18
 Dilution Factor : 1
 Analyst : KEG
 Instrument ID : PEST11
 GC Column : CLPPesticides
 %Solids : 85
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
319-86-8	Delta-BHC	ND	1.84	0.361	U
58-89-9	Lindane	ND	0.768	0.343	U
319-84-6	Alpha-BHC	ND	0.768	0.218	U
319-85-7	Beta-BHC	ND	1.84	0.699	U
76-44-8	Heptachlor	ND	0.921	0.413	U
309-00-2	Aldrin	ND	1.84	0.649	U
1024-57-3	Heptachlor epoxide	ND	3.45	1.04	U
72-20-8	Endrin	ND	0.768	0.315	U
7421-93-4	Endrin aldehyde	ND	2.30	0.806	U
53494-70-5	Endrin ketone	ND	1.84	0.474	U
60-57-1	Dieldrin	ND	1.15	0.576	U
72-54-8	4,4'-DDD	ND	1.84	0.657	U
50-29-3	4,4'-DDT	2.60	3.45	1.48	J
959-98-8	Endosulfan I	ND	1.84	0.435	U
33213-65-9	Endosulfan II	ND	1.84	0.616	U
1031-07-8	Endosulfan sulfate	ND	0.768	0.365	U
72-43-5	Methoxychlor	ND	3.45	1.07	U
8001-35-2	Toxaphene	ND	34.5	9.67	U
5103-71-9	cis-Chlordane	ND	2.30	0.642	U
5103-74-2	trans-Chlordane	ND	2.30	0.608	U
57-74-9	Chlordane	ND	15.0	6.10	U



Form 1

GC Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-03
 Client ID : SB-2 (1-5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8081B
 Lab File ID : 11180530b-11
 Sample Amount : 15.27 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 10:45
 Date Received : 05/24/18
 Date Analyzed : 05/30/18 20:02
 Date Extracted : 05/27/18
 Dilution Factor : 1
 Analyst : KEG
 Instrument ID : PEST11
 GC Column : CLPPesticidesII
 %Solids : 85
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
72-55-9	4,4'-DDE	0.951	1.84	0.426	J



Form 1 GC Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-04
 Client ID : SB-2 (13-14)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8081B
 Lab File ID : 11180530b-12
 Sample Amount : 15.21 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 11:05
 Date Received : 05/24/18
 Date Analyzed : 05/30/18 20:15
 Date Extracted : 05/27/18
 Dilution Factor : 1
 Analyst : KEG
 Instrument ID : PEST11
 GC Column : CLPPesticides
 %Solids : 79
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
319-86-8	Delta-BHC	ND	2.00	0.392	U
58-89-9	Lindane	ND	0.834	0.373	U
319-84-6	Alpha-BHC	ND	0.834	0.237	U
319-85-7	Beta-BHC	ND	2.00	0.759	U
76-44-8	Heptachlor	ND	1.00	0.449	U
309-00-2	Aldrin	ND	2.00	0.705	U
1024-57-3	Heptachlor epoxide	ND	3.75	1.13	U
72-20-8	Endrin	ND	0.834	0.342	U
7421-93-4	Endrin aldehyde	ND	2.50	0.876	U
53494-70-5	Endrin ketone	ND	2.00	0.516	U
60-57-1	Dieldrin	ND	1.25	0.626	U
72-55-9	4,4'-DDE	ND	2.00	0.463	U
72-54-8	4,4'-DDD	ND	2.00	0.714	U
50-29-3	4,4'-DDT	ND	3.75	1.61	U
959-98-8	Endosulfan I	ND	2.00	0.473	U
33213-65-9	Endosulfan II	ND	2.00	0.669	U
1031-07-8	Endosulfan sulfate	ND	0.834	0.397	U
72-43-5	Methoxychlor	ND	3.75	1.17	U
8001-35-2	Toxaphene	ND	37.5	10.5	U
5103-71-9	cis-Chlordane	ND	2.50	0.698	U
5103-74-2	trans-Chlordane	ND	2.50	0.661	U
57-74-9	Chlordane	ND	16.3	6.63	U



Form 1 GC Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-05
 Client ID : SB-3 (15-16)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8081B
 Lab File ID : 11180530b-13
 Sample Amount : 15.13 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 12:05
 Date Received : 05/24/18
 Date Analyzed : 05/30/18 20:28
 Date Extracted : 05/27/18
 Dilution Factor : 1
 Analyst : KEG
 Instrument ID : PEST11
 GC Column : CLPPesticides
 %Solids : 86
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
319-86-8	Delta-BHC	ND	1.84	0.360	U
58-89-9	Lindane	ND	0.766	0.342	U
319-84-6	Alpha-BHC	ND	0.766	0.218	U
319-85-7	Beta-BHC	ND	1.84	0.697	U
76-44-8	Heptachlor	ND	0.919	0.412	U
309-00-2	Aldrin	ND	1.84	0.647	U
1024-57-3	Heptachlor epoxide	ND	3.45	1.03	U
72-20-8	Endrin	ND	0.766	0.314	U
7421-93-4	Endrin aldehyde	ND	2.30	0.804	U
53494-70-5	Endrin ketone	ND	1.84	0.473	U
72-55-9	4,4'-DDE	ND	1.84	0.425	U
72-54-8	4,4'-DDD	ND	1.84	0.656	U
50-29-3	4,4'-DDT	ND	3.45	1.48	U
959-98-8	Endosulfan I	ND	1.84	0.434	U
33213-65-9	Endosulfan II	ND	1.84	0.614	U
1031-07-8	Endosulfan sulfate	ND	0.766	0.364	U
72-43-5	Methoxychlor	ND	3.45	1.07	U
8001-35-2	Toxaphene	ND	34.5	9.65	U
5103-71-9	cis-Chlordane	ND	2.30	0.640	U
5103-74-2	trans-Chlordane	ND	2.30	0.606	U
57-74-9	Chlordane	ND	14.9	6.09	U



Form 1 GC Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-05
 Client ID : SB-3 (15-16)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8081B
 Lab File ID : 11180530b-13
 Sample Amount : 15.13 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 12:05
 Date Received : 05/24/18
 Date Analyzed : 05/30/18 20:28
 Date Extracted : 05/27/18
 Dilution Factor : 1
 Analyst : KEG
 Instrument ID : PEST11
 GC Column : CLPPesticidesII
 %Solids : 86
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
60-57-1	Dieldrin	ND	1.15	0.574	U



Form 1

GC Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-06
 Client ID : SB-3 (1-5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8081B
 Lab File ID : 11180530b-14
 Sample Amount : 15.64 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 12:00
 Date Received : 05/24/18
 Date Analyzed : 05/30/18 20:41
 Date Extracted : 05/27/18
 Dilution Factor : 1
 Analyst : KEG
 Instrument ID : PEST11
 GC Column : CLPPesticides
 %Solids : 84
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
319-86-8	Delta-BHC	ND	1.82	0.357	U
58-89-9	Lindane	ND	0.759	0.339	U
319-84-6	Alpha-BHC	ND	0.759	0.216	U
319-85-7	Beta-BHC	ND	1.82	0.691	U
76-44-8	Heptachlor	ND	0.911	0.408	U
309-00-2	Aldrin	ND	1.82	0.642	U
1024-57-3	Heptachlor epoxide	ND	3.42	1.02	U
72-20-8	Endrin	ND	0.759	0.311	U
7421-93-4	Endrin aldehyde	ND	2.28	0.797	U
53494-70-5	Endrin ketone	ND	1.82	0.469	U
60-57-1	Dieldrin	ND	1.14	0.570	U
72-54-8	4,4'-DDD	ND	1.82	0.650	U
50-29-3	4,4'-DDT	2.50	3.42	1.46	J
959-98-8	Endosulfan I	ND	1.82	0.430	U
33213-65-9	Endosulfan II	ND	1.82	0.609	U
1031-07-8	Endosulfan sulfate	ND	0.759	0.361	U
72-43-5	Methoxychlor	ND	3.42	1.06	U
8001-35-2	Toxaphene	ND	34.2	9.57	U
5103-71-9	cis-Chlordane	ND	2.28	0.635	U
5103-74-2	trans-Chlordane	ND	2.28	0.601	U
57-74-9	Chlordane	ND	14.8	6.04	U



Form 1 GC Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-06
 Client ID : SB-3 (1-5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8081B
 Lab File ID : 11180530b-14
 Sample Amount : 15.64 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 12:00
 Date Received : 05/24/18
 Date Analyzed : 05/30/18 20:41
 Date Extracted : 05/27/18
 Dilution Factor : 1
 Analyst : KEG
 Instrument ID : PEST11
 GC Column : CLPPesticidesII
 %Solids : 84
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
72-55-9	4,4'-DDE	0.755	1.82	0.421	J



Form 1 GC Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-07
 Client ID : SB-1 (1-5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8081B
 Lab File ID : 11180530b-15
 Sample Amount : 15.16 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 14:05
 Date Received : 05/24/18
 Date Analyzed : 05/30/18 20:53
 Date Extracted : 05/27/18
 Dilution Factor : 1
 Analyst : KEG
 Instrument ID : PEST11
 GC Column : CLPPesticides
 %Solids : 87
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
319-86-8	Delta-BHC	ND	1.82	0.357	U
58-89-9	Lindane	ND	0.760	0.340	U
319-84-6	Alpha-BHC	ND	0.760	0.216	U
319-85-7	Beta-BHC	ND	1.82	0.692	U
76-44-8	Heptachlor	ND	0.912	0.409	U
309-00-2	Aldrin	ND	1.82	0.642	U
1024-57-3	Heptachlor epoxide	ND	3.42	1.02	U
72-20-8	Endrin	ND	0.760	0.312	U
7421-93-4	Endrin aldehyde	ND	2.28	0.798	U
53494-70-5	Endrin ketone	ND	1.82	0.470	U
72-54-8	4,4'-DDD	ND	1.82	0.650	U
50-29-3	4,4'-DDT	1.64	3.42	1.47	J
959-98-8	Endosulfan I	ND	1.82	0.431	U
33213-65-9	Endosulfan II	ND	1.82	0.609	U
1031-07-8	Endosulfan sulfate	ND	0.760	0.362	U
72-43-5	Methoxychlor	ND	3.42	1.06	U
8001-35-2	Toxaphene	ND	34.2	9.58	U
5103-71-9	cis-Chlordane	ND	2.28	0.635	U
5103-74-2	trans-Chlordane	ND	2.28	0.602	U
57-74-9	Chlordane	ND	14.8	6.04	U



Form 1

GC Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-07
 Client ID : SB-1 (1-5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8081B
 Lab File ID : 11180530b-15
 Sample Amount : 15.16 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 14:05
 Date Received : 05/24/18
 Date Analyzed : 05/30/18 20:53
 Date Extracted : 05/27/18
 Dilution Factor : 1
 Analyst : KEG
 Instrument ID : PEST11
 GC Column : CLPPesticidesII
 %Solids : 87
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
60-57-1	Dieldrin	ND	1.14	0.570	U
72-55-9	4,4'-DDE	0.594	1.62	0.422	J



Form 1 GC Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-08
 Client ID : SB-1 (20-21)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8081B
 Lab File ID : 11180530b-16
 Sample Amount : 15.61 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 14:50
 Date Received : 05/24/18
 Date Analyzed : 05/30/18 21:06
 Date Extracted : 05/27/18
 Dilution Factor : 1
 Analyst : KEG
 Instrument ID : PEST11
 GC Column : CLPPesticides
 %Solids : 82
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
319-86-8	Delta-BHC	ND	1.88	0.368	U
58-89-9	Lindane	ND	0.782	0.350	U
319-84-6	Alpha-BHC	ND	0.782	0.222	U
319-85-7	Beta-BHC	ND	1.88	0.712	U
76-44-8	Heptachlor	ND	0.939	0.421	U
309-00-2	Aldrin	ND	1.88	0.661	U
1024-57-3	Heptachlor epoxide	ND	3.52	1.06	U
72-20-8	Endrin	ND	0.782	0.321	U
7421-93-4	Endrin aldehyde	ND	2.35	0.821	U
53494-70-5	Endrin ketone	ND	1.88	0.483	U
60-57-1	Dieldrin	ND	1.17	0.587	U
72-55-9	4,4'-DDE	ND	1.88	0.434	U
72-54-8	4,4'-DDD	ND	1.88	0.670	U
50-29-3	4,4'-DDT	ND	3.52	1.51	U
959-98-8	Endosulfan I	ND	1.88	0.444	U
33213-65-9	Endosulfan II	ND	1.88	0.627	U
1031-07-8	Endosulfan sulfate	ND	0.782	0.372	U
72-43-5	Methoxychlor	ND	3.52	1.10	U
8001-35-2	Toxaphene	ND	35.2	9.86	U
5103-71-9	cis-Chlordane	ND	2.35	0.654	U
5103-74-2	trans-Chlordane	ND	2.35	0.619	U
57-74-9	Chlordane	ND	15.2	6.22	U



Form 1

GC Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-09
 Client ID : SB-1 (20-21) DUP
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8081B
 Lab File ID : 11180530b-17
 Sample Amount : 15.06 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 14:55
 Date Received : 05/24/18
 Date Analyzed : 05/30/18 21:19
 Date Extracted : 05/27/18
 Dilution Factor : 1
 Analyst : KEG
 Instrument ID : PEST11
 GC Column : CLPPesticides
 %Solids : 81
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
319-86-8	Delta-BHC	ND	1.97	0.386	U
58-89-9	Lindane	ND	0.822	0.367	U
319-84-6	Alpha-BHC	ND	0.822	0.233	U
319-85-7	Beta-BHC	ND	1.97	0.748	U
76-44-8	Heptachlor	ND	0.986	0.442	U
309-00-2	Aldrin	ND	1.97	0.694	U
1024-57-3	Heptachlor epoxide	ND	3.70	1.11	U
72-20-8	Endrin	ND	0.822	0.337	U
7421-93-4	Endrin aldehyde	ND	2.46	0.863	U
53494-70-5	Endrin ketone	ND	1.97	0.508	U
60-57-1	Dieldrin	ND	1.23	0.616	U
72-55-9	4,4'-DDE	ND	1.97	0.456	U
72-54-8	4,4'-DDD	ND	1.97	0.703	U
50-29-3	4,4'-DDT	ND	3.70	1.59	U
959-98-8	Endosulfan I	ND	1.97	0.466	U
33213-65-9	Endosulfan II	ND	1.97	0.659	U
1031-07-8	Endosulfan sulfate	ND	0.822	0.391	U
72-43-5	Methoxychlor	ND	3.70	1.15	U
8001-35-2	Toxaphene	ND	37.0	10.4	U
5103-71-9	cis-Chlordane	ND	2.46	0.687	U
5103-74-2	trans-Chlordane	ND	2.46	0.651	U
57-74-9	Chlordane	ND	16.0	6.53	U



Form 1

GC Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-10
 Client ID : SB-4 (0-5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8081B
 Lab File ID : 11180530b-18
 Sample Amount : 15.07 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 15:25
 Date Received : 05/24/18
 Date Analyzed : 05/30/18 21:31
 Date Extracted : 05/27/18
 Dilution Factor : 1
 Analyst : KEG
 Instrument ID : PEST11
 GC Column : CLPPesticides
 %Solids : 88
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
319-86-8	Delta-BHC	ND	1.80	0.353	U
58-89-9	Lindane	ND	0.751	0.336	U
319-84-6	Alpha-BHC	ND	0.751	0.213	U
319-85-7	Beta-BHC	ND	1.80	0.683	U
76-44-8	Heptachlor	ND	0.901	0.404	U
309-00-2	Aldrin	ND	1.80	0.634	U
1024-57-3	Heptachlor epoxide	ND	3.38	1.01	U
72-20-8	Endrin	ND	0.751	0.308	U
7421-93-4	Endrin aldehyde	ND	2.25	0.788	U
53494-70-5	Endrin ketone	ND	1.80	0.464	U
60-57-1	Dieldrin	ND	1.12	0.563	U
72-55-9	4,4'-DDE	ND	1.80	0.417	U
72-54-8	4,4'-DDD	ND	1.80	0.642	U
50-29-3	4,4'-DDT	ND	3.38	1.45	U
959-98-8	Endosulfan I	ND	1.80	0.426	U
33213-65-9	Endosulfan II	ND	1.80	0.602	U
1031-07-8	Endosulfan sulfate	ND	0.751	0.357	U
72-43-5	Methoxychlor	ND	3.38	1.05	U
8001-35-2	Toxaphene	ND	33.8	9.46	U
5103-71-9	cis-Chlordane	ND	2.25	0.628	U
5103-74-2	trans-Chlordane	ND	2.25	0.594	U
57-74-9	Chlordane	ND	14.6	5.97	U



Form 1

GC Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-11
 Client ID : SB-4 (18-20)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8081B
 Lab File ID : 11180530b-19
 Sample Amount : 15.45 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 15:50
 Date Received : 05/24/18
 Date Analyzed : 05/30/18 21:44
 Date Extracted : 05/27/18
 Dilution Factor : 1
 Analyst : KEG
 Instrument ID : PEST11
 GC Column : CLPPesticides
 %Solids : 90
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
319-86-8	Delta-BHC	ND	1.72	0.338	U
58-89-9	Lindane	ND	0.719	0.321	U
319-84-6	Alpha-BHC	ND	0.719	0.204	U
319-85-7	Beta-BHC	ND	1.72	0.654	U
76-44-8	Heptachlor	ND	0.863	0.387	U
309-00-2	Aldrin	ND	1.72	0.608	U
1024-57-3	Heptachlor epoxide	ND	3.24	0.971	U
72-20-8	Endrin	ND	0.719	0.295	U
7421-93-4	Endrin aldehyde	ND	2.16	0.755	U
53494-70-5	Endrin ketone	ND	1.72	0.444	U
60-57-1	Dieldrin	ND	1.08	0.539	U
72-55-9	4,4'-DDE	ND	1.72	0.399	U
72-54-8	4,4'-DDD	ND	1.72	0.616	U
50-29-3	4,4'-DDT	ND	3.24	1.39	U
959-98-8	Endosulfan I	ND	1.72	0.408	U
33213-65-9	Endosulfan II	ND	1.72	0.577	U
1031-07-8	Endosulfan sulfate	ND	0.719	0.342	U
72-43-5	Methoxychlor	ND	3.24	1.01	U
8001-35-2	Toxaphene	ND	32.4	9.06	U
5103-71-9	cis-Chlordane	ND	2.16	0.601	U
5103-74-2	trans-Chlordane	ND	2.16	0.570	U
57-74-9	Chlordane	ND	14.0	5.72	U



Form 1 GC Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-12
 Client ID : S1-S (0-0.5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8081B
 Lab File ID : 11180530b-22
 Sample Amount : 15.51 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 13:36
 Date Received : 05/24/18
 Date Analyzed : 05/30/18 22:22
 Date Extracted : 05/27/18
 Dilution Factor : 1
 Analyst : KEG
 Instrument ID : PEST11
 GC Column : CLPPesticides
 %Solids : 87
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
319-86-8	Delta-BHC	ND	1.78	0.349	U
58-89-9	Lindane	ND	0.742	0.332	U
319-84-6	Alpha-BHC	ND	0.742	0.211	U
319-85-7	Beta-BHC	ND	1.78	0.675	U
76-44-8	Heptachlor	ND	0.890	0.399	U
309-00-2	Aldrin	ND	1.78	0.627	U
1024-57-3	Heptachlor epoxide	ND	3.34	1.00	U
72-20-8	Endrin	ND	0.742	0.304	U
7421-93-4	Endrin aldehyde	ND	2.22	0.779	U
53494-70-5	Endrin ketone	ND	1.78	0.458	U
60-57-1	Dieldrin	ND	1.11	0.556	U
72-54-8	4,4'-DDD	ND	1.78	0.635	U
50-29-3	4,4'-DDT	1.51	3.34	1.43	J
959-98-8	Endosulfan I	ND	1.78	0.421	U
33213-65-9	Endosulfan II	ND	1.78	0.595	U
1031-07-8	Endosulfan sulfate	ND	0.742	0.353	U
72-43-5	Methoxychlor	ND	3.34	1.04	U
8001-35-2	Toxaphene	ND	33.4	9.35	U
5103-71-9	cis-Chlordane	ND	2.22	0.620	U
5103-74-2	trans-Chlordane	ND	2.22	0.588	U
57-74-9	Chlordane	ND	14.5	5.90	U



Form 1 GC Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-12
 Client ID : S1-S (0-0.5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8081B
 Lab File ID : 11180530b-22
 Sample Amount : 15.51 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 13:36
 Date Received : 05/24/18
 Date Analyzed : 05/30/18 22:22
 Date Extracted : 05/27/18
 Dilution Factor : 1
 Analyst : KEG
 Instrument ID : PEST11
 GC Column : CLPPesticidesII
 %Solids : 87
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
72-55-9	4,4'-DDE	1.72	1.76	0.412	J



Form 1

GC Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-13D
 Client ID : S1-E (0-0.5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8081B
 Lab File ID : 15180601a-15
 Sample Amount : 15.26 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 13:44
 Date Received : 05/24/18
 Date Analyzed : 06/01/18 15:10
 Date Extracted : 05/27/18
 Dilution Factor : 10
 Analyst : KEG
 Instrument ID : PEST15
 GC Column : CLPPesticides
 %Solids : 87
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
319-86-8	Delta-BHC	ND	18.0	3.52	U
58-89-9	Lindane	ND	7.50	3.35	U
319-84-6	Alpha-BHC	ND	7.50	2.13	U
319-85-7	Beta-BHC	ND	18.0	6.82	U
76-44-8	Heptachlor	ND	9.00	4.03	U
309-00-2	Aldrin	ND	18.0	6.34	U
1024-57-3	Heptachlor epoxide	ND	33.7	10.1	U
72-20-8	Endrin	ND	7.50	3.07	U
7421-93-4	Endrin aldehyde	ND	22.5	7.87	U
53494-70-5	Endrin ketone	ND	18.0	4.63	U
60-57-1	Dieldrin	ND	11.2	5.62	U
72-55-9	4,4'-DDE	ND	18.0	4.16	U
72-54-8	4,4'-DDD	ND	18.0	6.42	U
50-29-3	4,4'-DDT	ND	33.7	14.5	U
959-98-8	Endosulfan I	ND	18.0	4.25	U
33213-65-9	Endosulfan II	ND	18.0	6.01	U
1031-07-8	Endosulfan sulfate	ND	7.50	3.57	U
72-43-5	Methoxychlor	ND	33.7	10.5	U
8001-35-2	Toxaphene	ND	337	94.5	U
5103-71-9	cis-Chlordane	ND	22.5	6.27	U
5103-74-2	trans-Chlordane	ND	22.5	5.94	U
57-74-9	Chlordane	ND	146	59.6	U



Form 1 GC Organics

Client : Tenen Environmental, LLC
Project Name : 2135 WESTCHESTER
Lab ID : L1819157-14
Client ID : S1-C (0.5-1)
Sample Location : BRONX, NY
Sample Matrix : SOIL
Analytical Method : 1,8081B
Lab File ID : 11180530b-24
Sample Amount : 15.26 g
Extraction Method : EPA 3546
Extract Volume : 1000 uL
GPC Cleanup : N
Sulfur Cleanup : N

Lab Number : L1819157
Project Number : 2135 WESTCHESTER
Date Collected : 05/23/18 13:57
Date Received : 05/24/18
Date Analyzed : 05/30/18 22:47
Date Extracted : 05/27/18
Dilution Factor : 1
Analyst : KEG
Instrument ID : PEST11
GC Column : CLPPesticides
%Solids : 93
Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
319-86-8	Delta-BHC	ND	1.68	0.330	U
58-89-9	Lindane	ND	0.702	0.314	U
319-84-6	Alpha-BHC	ND	0.702	0.199	U
319-85-7	Beta-BHC	ND	1.68	0.639	U
76-44-8	Heptachlor	ND	0.843	0.378	U
309-00-2	Aldrin	ND	1.68	0.593	U
1024-57-3	Heptachlor epoxide	ND	3.16	0.948	U
72-20-8	Endrin	ND	0.702	0.288	U
7421-93-4	Endrin aldehyde	ND	2.11	0.737	U
53494-70-5	Endrin ketone	ND	1.68	0.434	U
60-57-1	Dieldrin	ND	1.05	0.527	U
72-54-8	4,4'-DDD	ND	1.68	0.601	U
50-29-3	4,4'-DDT	ND	3.16	1.36	U
959-98-8	Endosulfan I	ND	1.68	0.398	U
33213-65-9	Endosulfan II	ND	1.68	0.563	U
1031-07-8	Endosulfan sulfate	ND	0.702	0.334	U
72-43-5	Methoxychlor	ND	3.16	0.983	U
8001-35-2	Toxaphene	ND	31.6	8.85	U
5103-71-9	cis-Chlordane	ND	2.11	0.587	U
5103-74-2	trans-Chlordane	ND	2.11	0.556	U
57-74-9	Chlordane	ND	13.7	5.58	U



Form 1

GC Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-14
 Client ID : S1-C (0.5-1)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8081B
 Lab File ID : 11180530b-24
 Sample Amount : 15.26 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 13:57
 Date Received : 05/24/18
 Date Analyzed : 05/30/18 22:47
 Date Extracted : 05/27/18
 Dilution Factor : 1
 Analyst : KEG
 Instrument ID : PEST11
 GC Column : CLPPesticidesII
 %Solids : 93
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
72-55-9	4,4'-DDE	ND	1.68	0.390	U



Form 1

GC Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-15
 Client ID : S1-N (0.5-1.5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8081B
 Lab File ID : 11180530b-25
 Sample Amount : 15.66 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 14:07
 Date Received : 05/24/18
 Date Analyzed : 05/30/18 23:00
 Date Extracted : 05/27/18
 Dilution Factor : 1
 Analyst : KEG
 Instrument ID : PEST11
 GC Column : CLPPesticides
 %Solids : 92
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
319-86-8	Delta-BHC	ND	1.67	0.328	U
58-89-9	Lindane	ND	0.697	0.312	U
319-84-6	Alpha-BHC	ND	0.697	0.198	U
319-85-7	Beta-BHC	ND	1.67	0.634	U
76-44-8	Heptachlor	ND	0.836	0.375	U
309-00-2	Aldrin	ND	1.67	0.589	U
1024-57-3	Heptachlor epoxide	ND	3.14	0.941	U
72-20-8	Endrin	ND	0.697	0.286	U
7421-93-4	Endrin aldehyde	ND	2.09	0.732	U
53494-70-5	Endrin ketone	ND	1.67	0.431	U
60-57-1	Dieldrin	ND	1.04	0.523	U
72-54-8	4,4'-DDD	ND	1.67	0.597	U
959-98-8	Endosulfan I	ND	1.67	0.395	U
33213-65-9	Endosulfan II	ND	1.67	0.559	U
1031-07-8	Endosulfan sulfate	ND	0.697	0.332	U
72-43-5	Methoxychlor	ND	3.14	0.976	U
8001-35-2	Toxaphene	ND	31.4	8.78	U
5103-71-9	cis-Chlordane	ND	2.09	0.583	U
5103-74-2	trans-Chlordane	ND	2.09	0.552	U
57-74-9	Chlordane	ND	13.6	5.54	U



Form 1

GC Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-15
 Client ID : S1-N (0.5-1.5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8081B
 Lab File ID : 11180530b-25
 Sample Amount : 15.66 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 14:07
 Date Received : 05/24/18
 Date Analyzed : 05/30/18 23:00
 Date Extracted : 05/27/18
 Dilution Factor : 1
 Analyst : KEG
 Instrument ID : PEST11
 GC Column : CLPPesticidesII
 %Solids : 92
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
72-55-9	4,4'-DDE	0.493	1.67	0.387	J
50-29-3	4,4'-DDT	ND	3.14	1.34	U



Form 1

GC Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-16
 Client ID : FIELD BLANK
 Sample Location : BRONX, NY
 Sample Matrix : WATER
 Analytical Method : 1,8081B
 Lab File ID : 15180601a-10
 Sample Amount : 140 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 16:00
 Date Received : 05/24/18
 Date Analyzed : 06/01/18 14:06
 Date Extracted : 05/29/18
 Dilution Factor : 1
 Analyst : KEG
 Instrument ID : PEST15
 GC Column : CLPPesticides
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	ND	0.029	0.003	U
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	0.018	0.029	0.003	J
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U
57-74-9	Chlordane	ND	0.143	0.033	U



Form 1

GC Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-18
 Client ID : S1-W (0-1)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8081B
 Lab File ID : 10180601a-15
 Sample Amount : 15.76 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 13:22
 Date Received : 05/24/18
 Date Analyzed : 06/01/18 15:21
 Date Extracted : 05/27/18
 Dilution Factor : 1
 Analyst : KEG
 Instrument ID : PEST10
 GC Column : CLPPesticides
 %Solids : 86
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
58-89-9	Lindane	ND	0.742	0.332	U
319-84-6	Alpha-BHC	ND	0.742	0.211	U
319-85-7	Beta-BHC	ND	1.78	0.675	U
76-44-8	Heptachlor	ND	0.890	0.399	U
309-00-2	Aldrin	ND	1.78	0.627	U
1024-57-3	Heptachlor epoxide	ND	3.34	1.00	U
72-20-8	Endrin	ND	0.742	0.304	U
7421-93-4	Endrin aldehyde	ND	2.23	0.779	U
53494-70-5	Endrin ketone	ND	1.78	0.459	U
60-57-1	Dieldrin	ND	1.11	0.556	U
72-55-9	4,4'-DDE	1.60	1.78	0.412	J
72-54-8	4,4'-DDD	ND	1.78	0.635	U
959-98-8	Endosulfan I	ND	1.78	0.421	U
33213-65-9	Endosulfan II	ND	1.78	0.595	U
1031-07-8	Endosulfan sulfate	ND	0.742	0.353	U
72-43-5	Methoxychlor	ND	3.34	1.04	U
8001-35-2	Toxaphene	ND	33.4	9.35	U
5103-71-9	cis-Chlordane	ND	2.23	0.620	U
5103-74-2	trans-Chlordane	ND	2.23	0.588	U
57-74-9	Chlordane	ND	14.5	5.90	U



Form 1

GC Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-18
 Client ID : S1-W (0-1)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8081B
 Lab File ID : 10180601a-15
 Sample Amount : 15.76 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 13:22
 Date Received : 05/24/18
 Date Analyzed : 06/01/18 15:21
 Date Extracted : 05/27/18
 Dilution Factor : 1
 Analyst : KEG
 Instrument ID : PEST10
 GC Column : CLPPesticidesII
 %Solids : 86
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
319-86-8	Delta-BHC	0.755	1.78	0.349	J
50-29-3	4,4'-DDT	1.74	3.34	1.43	J



Form 1

GC Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-01
 Client ID : SB-5 (1-2)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8082A
 Lab File ID : 19180531a-05
 Sample Amount : 15.12 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : Y

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 09:55
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 01:07
 Date Extracted : 05/26/18
 Dilution Factor : 1
 Analyst : HT
 Instrument ID : PEST19
 GC Column : CLP-Pesticide
 %Solids : 87
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	38.1	4.32	U
11104-28-2	Aroclor 1221	ND	38.1	5.80	U
11141-16-5	Aroclor 1232	ND	38.1	3.75	U
53469-21-9	Aroclor 1242	ND	38.1	4.67	U
12672-29-6	Aroclor 1248	ND	38.1	4.28	U
11097-69-1	Aroclor 1254	ND	38.1	3.11	U
11096-82-5	Aroclor 1260	ND	38.1	3.98	U
37324-23-5	Aroclor 1262	ND	38.1	3.14	U
11100-14-4	Aroclor 1268	ND	38.1	2.70	U
1336-36-3	PCBs, Total	ND	38.1	2.70	U



Form 1

GC Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-02
 Client ID : SB-5 (15-17)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8082A
 Lab File ID : 19180531a-06
 Sample Amount : 15.05 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : Y

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 10:00
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 01:20
 Date Extracted : 05/26/18
 Dilution Factor : 1
 Analyst : HT
 Instrument ID : PEST19
 GC Column : CLP-Pesticide
 %Solids : 90
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	37.1	4.21	U
11104-28-2	Aroclor 1221	ND	37.1	5.65	U
11141-16-5	Aroclor 1232	ND	37.1	3.65	U
53469-21-9	Aroclor 1242	ND	37.1	4.54	U
12672-29-6	Aroclor 1248	ND	37.1	4.16	U
11097-69-1	Aroclor 1254	ND	37.1	3.03	U
11096-82-5	Aroclor 1260	ND	37.1	3.88	U
37324-23-5	Aroclor 1262	ND	37.1	3.05	U
11100-14-4	Aroclor 1268	ND	37.1	2.63	U
1336-36-3	PCBs, Total	ND	37.1	2.63	U



Form 1 GC Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-03
 Client ID : SB-2 (1-5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8082A
 Lab File ID : 19180531a-07
 Sample Amount : 15.64 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : Y

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 10:45
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 01:32
 Date Extracted : 05/26/18
 Dilution Factor : 1
 Analyst : HT
 Instrument ID : PEST19
 GC Column : CLP-Pesticide
 %Solids : 85
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	37.5	4.25	U
11104-28-2	Aroclor 1221	ND	37.5	5.70	U
11141-16-5	Aroclor 1232	ND	37.5	3.69	U
53469-21-9	Aroclor 1242	ND	37.5	4.59	U
12672-29-6	Aroclor 1248	ND	37.5	4.20	U
11097-69-1	Aroclor 1254	ND	37.5	3.06	U
11096-82-5	Aroclor 1260	ND	37.5	3.91	U
37324-23-5	Aroclor 1262	ND	37.5	3.08	U
11100-14-4	Aroclor 1268	ND	37.5	2.65	U
1336-36-3	PCBs, Total	ND	37.5	2.65	U



Form 1 GC Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-04
 Client ID : SB-2 (13-14)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8082A
 Lab File ID : 19180531a-08
 Sample Amount : 15.11 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : Y

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 11:05
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 01:45
 Date Extracted : 05/26/18
 Dilution Factor : 1
 Analyst : HT
 Instrument ID : PEST19
 GC Column : CLP-Pesticide
 %Solids : 79
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	42.0	4.76	U
11104-28-2	Aroclor 1221	ND	42.0	6.39	U
11141-16-5	Aroclor 1232	ND	42.0	4.13	U
53469-21-9	Aroclor 1242	ND	42.0	5.14	U
12672-29-6	Aroclor 1248	ND	42.0	4.71	U
11097-69-1	Aroclor 1254	ND	42.0	3.43	U
11096-82-5	Aroclor 1260	ND	42.0	4.38	U
37324-23-5	Aroclor 1262	ND	42.0	3.45	U
11100-14-4	Aroclor 1268	ND	42.0	2.97	U
1336-36-3	PCBs, Total	ND	42.0	2.97	U



Form 1 GC Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-05
 Client ID : SB-3 (15-16)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8082A
 Lab File ID : 19180531a-09
 Sample Amount : 15.15 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : Y

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 12:05
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 01:57
 Date Extracted : 05/26/18
 Dilution Factor : 1
 Analyst : HT
 Instrument ID : PEST19
 GC Column : CLP-Pesticide
 %Solids : 86
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	38.2	4.34	U
11104-28-2	Aroclor 1221	ND	38.2	5.82	U
11141-16-5	Aroclor 1232	ND	38.2	3.76	U
53469-21-9	Aroclor 1242	ND	38.2	4.68	U
12672-29-6	Aroclor 1248	ND	38.2	4.29	U
11097-69-1	Aroclor 1254	ND	38.2	3.12	U
11096-82-5	Aroclor 1260	ND	38.2	3.99	U
37324-23-5	Aroclor 1262	ND	38.2	3.14	U
11100-14-4	Aroclor 1268	ND	38.2	2.71	U
1336-36-3	PCBs, Total	ND	38.2	2.71	U



Form 1 GC Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-06
 Client ID : SB-3 (1-5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8082A
 Lab File ID : 19180531a-10
 Sample Amount : 15.8 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : Y

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 12:00
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 02:10
 Date Extracted : 05/26/18
 Dilution Factor : 1
 Analyst : HT
 Instrument ID : PEST19
 GC Column : CLP-Pesticide
 %Solids : 84
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	37.6	4.26	U
11104-28-2	Aroclor 1221	ND	37.6	5.72	U
11141-16-5	Aroclor 1232	ND	37.6	3.70	U
53469-21-9	Aroclor 1242	ND	37.6	4.60	U
12672-29-6	Aroclor 1248	ND	37.6	4.22	U
11097-69-1	Aroclor 1254	ND	37.6	3.07	U
11096-82-5	Aroclor 1260	ND	37.6	3.92	U
37324-23-5	Aroclor 1262	ND	37.6	3.09	U
11100-14-4	Aroclor 1268	ND	37.6	2.66	U
1336-36-3	PCBs, Total	ND	37.6	2.66	U



Form 1 GC Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-07
 Client ID : SB-1 (1-5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8082A
 Lab File ID : 19180531a-11
 Sample Amount : 15.46 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : Y

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 14:05
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 02:22
 Date Extracted : 05/26/18
 Dilution Factor : 1
 Analyst : HT
 Instrument ID : PEST19
 GC Column : CLP-Pesticide
 %Solids : 87
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	37.2	4.22	U
11104-28-2	Aroclor 1221	ND	37.2	5.67	U
11141-16-5	Aroclor 1232	ND	37.2	3.67	U
53469-21-9	Aroclor 1242	ND	37.2	4.56	U
12672-29-6	Aroclor 1248	ND	37.2	4.18	U
11097-69-1	Aroclor 1254	ND	37.2	3.04	U
11096-82-5	Aroclor 1260	ND	37.2	3.89	U
37324-23-5	Aroclor 1262	ND	37.2	3.06	U
11100-14-4	Aroclor 1268	ND	37.2	2.64	U
1336-36-3	PCBs, Total	ND	37.2	2.64	U



Form 1 GC Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-08
 Client ID : SB-1 (20-21)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8082A
 Lab File ID : 19180531a-12
 Sample Amount : 15.61 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : Y

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 14:50
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 02:35
 Date Extracted : 05/26/18
 Dilution Factor : 1
 Analyst : HT
 Instrument ID : PEST19
 GC Column : CLP-Pesticide
 %Solids : 82
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	39.1	4.44	U
11104-28-2	Aroclor 1221	ND	39.1	5.95	U
11141-16-5	Aroclor 1232	ND	39.1	3.85	U
53469-21-9	Aroclor 1242	ND	39.1	4.79	U
12672-29-6	Aroclor 1248	ND	39.1	4.39	U
11097-69-1	Aroclor 1254	ND	39.1	3.19	U
11096-82-5	Aroclor 1260	ND	39.1	4.08	U
37324-23-5	Aroclor 1262	ND	39.1	3.21	U
11100-14-4	Aroclor 1268	ND	39.1	2.77	U
1336-36-3	PCBs, Total	ND	39.1	2.77	U



Form 1 GC Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-09
 Client ID : SB-1 (20-21) DUP
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8082A
 Lab File ID : 19180531a-13
 Sample Amount : 15.24 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : Y

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 14:55
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 02:47
 Date Extracted : 05/26/18
 Dilution Factor : 1
 Analyst : HT
 Instrument ID : PEST19
 GC Column : CLP-Pesticide
 %Solids : 81
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	40.6	4.60	U
11104-28-2	Aroclor 1221	ND	40.6	6.18	U
11141-16-5	Aroclor 1232	ND	40.6	4.00	U
53469-21-9	Aroclor 1242	ND	40.6	4.97	U
12672-29-6	Aroclor 1248	ND	40.6	4.56	U
11097-69-1	Aroclor 1254	ND	40.6	3.31	U
11096-82-5	Aroclor 1260	ND	40.6	4.24	U
37324-23-5	Aroclor 1262	ND	40.6	3.34	U
11100-14-4	Aroclor 1268	ND	40.6	2.87	U
1336-36-3	PCBs, Total	ND	40.6	2.87	U



Form 1 GC Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-10
 Client ID : SB-4 (0-5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8082A
 Lab File ID : 19180531a-14
 Sample Amount : 15.28 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : Y

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 15:25
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 03:00
 Date Extracted : 05/26/18
 Dilution Factor : 1
 Analyst : HT
 Instrument ID : PEST19
 GC Column : CLP-Pesticide
 %Solids : 88
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	37.0	4.20	U
11104-28-2	Aroclor 1221	ND	37.0	5.63	U
11141-16-5	Aroclor 1232	ND	37.0	3.64	U
53469-21-9	Aroclor 1242	ND	37.0	4.53	U
12672-29-6	Aroclor 1248	ND	37.0	4.15	U
11097-69-1	Aroclor 1254	ND	37.0	3.02	U
11096-82-5	Aroclor 1260	ND	37.0	3.86	U
37324-23-5	Aroclor 1262	ND	37.0	3.04	U
11100-14-4	Aroclor 1268	ND	37.0	2.62	U
1336-36-3	PCBs, Total	ND	37.0	2.62	U



Form 1 GC Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-11
 Client ID : SB-4 (18-20)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8082A
 Lab File ID : 19180531a-02
 Sample Amount : 15.33 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : Y

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 15:50
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 00:30
 Date Extracted : 05/26/18
 Dilution Factor : 1
 Analyst : HT
 Instrument ID : PEST19
 GC Column : CLP-Pesticide
 %Solids : 90
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	36.2	4.11	U
11104-28-2	Aroclor 1221	ND	36.2	5.52	U
11141-16-5	Aroclor 1232	ND	36.2	3.56	U
53469-21-9	Aroclor 1242	ND	36.2	4.44	U
12672-29-6	Aroclor 1248	ND	36.2	4.07	U
11097-69-1	Aroclor 1254	ND	36.2	2.96	U
11096-82-5	Aroclor 1260	ND	36.2	3.78	U
37324-23-5	Aroclor 1262	ND	36.2	2.98	U
11100-14-4	Aroclor 1268	ND	36.2	2.56	U
1336-36-3	PCBs, Total	ND	36.2	2.56	U



Form 1 GC Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-12
 Client ID : S1-S (0-0.5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8082A
 Lab File ID : 19180531a-15
 Sample Amount : 15.28 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : Y

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 13:36
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 03:12
 Date Extracted : 05/26/18
 Dilution Factor : 1
 Analyst : HT
 Instrument ID : PEST19
 GC Column : CLP-Pesticide
 %Solids : 87
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	37.6	4.27	U
11104-28-2	Aroclor 1221	ND	37.6	5.73	U
11141-16-5	Aroclor 1232	ND	37.6	3.70	U
53469-21-9	Aroclor 1242	ND	37.6	4.61	U
12672-29-6	Aroclor 1248	ND	37.6	4.22	U
11097-69-1	Aroclor 1254	ND	37.6	3.07	U
37324-23-5	Aroclor 1262	ND	37.6	3.10	U



Form 1

GC Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-12
 Client ID : S1-S (0-0.5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8082A
 Lab File ID : 19180531a-15
 Sample Amount : 15.28 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : Y

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 13:36
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 03:12
 Date Extracted : 05/26/18
 Dilution Factor : 1
 Analyst : HT
 Instrument ID : PEST19
 GC Column : CLP-PesticideII
 %Solids : 87
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	ND	37.6	3.93	U
11100-14-4	Aroclor 1268	3.56	37.6	2.66	J
1336-36-3	PCBs, Total	3.56	37.6	2.66	J



Form 1 GC Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-13
 Client ID : S1-E (0-0.5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8082A
 Lab File ID : 19180531a-16
 Sample Amount : 15.17 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : Y

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 13:44
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 03:25
 Date Extracted : 05/26/18
 Dilution Factor : 1
 Analyst : HT
 Instrument ID : PEST19
 GC Column : CLP-Pesticide
 %Solids : 87
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	37.7	4.28	U
11104-28-2	Aroclor 1221	ND	37.7	5.74	U
11141-16-5	Aroclor 1232	ND	37.7	3.71	U
53469-21-9	Aroclor 1242	ND	37.7	4.62	U
12672-29-6	Aroclor 1248	ND	37.7	4.23	U
11097-69-1	Aroclor 1254	ND	37.7	3.08	U
11096-82-5	Aroclor 1260	ND	37.7	3.94	U
37324-23-5	Aroclor 1262	ND	37.7	3.10	U
11100-14-4	Aroclor 1268	ND	37.7	2.67	U
1336-36-3	PCBs, Total	ND	37.7	2.67	U



Form 1

GC Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-14
 Client ID : S1-C (0.5-1)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8082A
 Lab File ID : 19180531a-17
 Sample Amount : 15.06 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : Y

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 13:57
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 03:37
 Date Extracted : 05/26/18
 Dilution Factor : 1
 Analyst : HT
 Instrument ID : PEST19
 GC Column : CLP-Pesticide
 %Solids : 93
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	35.6	4.04	U
11104-28-2	Aroclor 1221	ND	35.6	5.42	U
11141-16-5	Aroclor 1232	ND	35.6	3.50	U
53469-21-9	Aroclor 1242	ND	35.6	4.36	U
12672-29-6	Aroclor 1248	ND	35.6	3.99	U
11097-69-1	Aroclor 1254	ND	35.6	2.90	U
11096-82-5	Aroclor 1260	ND	35.6	3.72	U
37324-23-5	Aroclor 1262	ND	35.6	2.92	U
11100-14-4	Aroclor 1268	ND	35.6	2.52	U
1336-36-3	PCBs, Total	ND	35.6	2.52	U



Form 1

GC Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-15
 Client ID : S1-N (0.5-1.5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8082A
 Lab File ID : 19180531a-18
 Sample Amount : 15.41 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : Y

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 14:07
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 03:49
 Date Extracted : 05/26/18
 Dilution Factor : 1
 Analyst : HT
 Instrument ID : PEST19
 GC Column : CLP-Pesticide
 %Solids : 92
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	35.4	4.02	U
11104-28-2	Aroclor 1221	ND	35.4	5.39	U
11141-16-5	Aroclor 1232	ND	35.4	3.48	U
53469-21-9	Aroclor 1242	ND	35.4	4.34	U
12672-29-6	Aroclor 1248	ND	35.4	3.97	U
11097-69-1	Aroclor 1254	ND	35.4	2.89	U
11096-82-5	Aroclor 1260	ND	35.4	3.70	U
37324-23-5	Aroclor 1262	ND	35.4	2.91	U
11100-14-4	Aroclor 1268	ND	35.4	2.51	U
1336-36-3	PCBs, Total	ND	35.4	2.51	U



Form 1

GC Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-16RE
 Client ID : FIELD BLANK
 Sample Location : BRONX, NY
 Sample Matrix : WATER
 Analytical Method : 1,8082A
 Lab File ID : 19180531a-100
 Sample Amount : 1200 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : Y

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 16:00
 Date Received : 05/24/18
 Date Analyzed : 06/01/18 04:30
 Date Extracted : 05/31/18
 Dilution Factor : 1
 Analyst : WR
 Instrument ID : PEST19
 GC Column : CLP-Pesticide
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.083	0.020	U UJ
11104-28-2	Aroclor 1221	ND	0.083	0.032	U UJ
11141-16-5	Aroclor 1232	ND	0.083	0.027	U UJ
53469-21-9	Aroclor 1242	ND	0.083	0.030	U UJ
12672-29-6	Aroclor 1248	ND	0.083	0.023	U UJ
11097-69-1	Aroclor 1254	ND	0.083	0.035	U UJ
11096-82-5	Aroclor 1260	ND	0.083	0.020	U UJ
37324-23-5	Aroclor 1262	ND	0.083	0.017	U UJ
11100-14-4	Aroclor 1268	ND	0.083	0.027	U UJ
1336-36-3	PCBs, Total	ND	0.083	0.017	U UJ

JOT
 9/18/18



Form 1

GC Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-18
 Client ID : S1-W (0-1)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8082A
 Lab File ID : 19180531a-23
 Sample Amount : 15.25 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : Y

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 13:22
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 04:54
 Date Extracted : 05/26/18
 Dilution Factor : 1
 Analyst : HT
 Instrument ID : PEST19
 GC Column : CLP-Pesticide
 %Solids : 86
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	38.3	4.35	U
11104-28-2	Aroclor 1221	ND	38.3	5.84	U
11141-16-5	Aroclor 1232	ND	38.3	3.77	U
53469-21-9	Aroclor 1242	ND	38.3	4.69	U
12672-29-6	Aroclor 1248	ND	38.3	4.30	U
11097-69-1	Aroclor 1254	ND	38.3	3.13	U
11096-82-5	Aroclor 1260	ND	38.3	4.00	U
37324-23-5	Aroclor 1262	ND	38.3	3.15	U
11100-14-4	Aroclor 1268	ND	38.3	2.71	U
1336-36-3	PCBs, Total	ND	38.3	2.71	U



Form 1

GC Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-01
 Client ID : SB-5 (1-2)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8151A
 Lab File ID : p8180530a-30
 Sample Amount : 30.92 g
 Extraction Method : EPA 8151A
 Extract Volume : 10000 uL
 GPC Cleanup : N
 Sulfur Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 09:55
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 02:11
 Date Extracted : 05/28/18
 Dilution Factor : 1
 Analyst : KEG
 Instrument ID : PEST8
 GC Column : STX-CLP1
 %Solids : 87
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
94-75-7	2,4-D	ND	186	11.8	U
93-76-5	2,4,5-T	ND	186	5.78	U
93-72-1	2,4,5-TP (Silvex)	ND	186	4.96	U



Form 1 GC Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-02
 Client ID : SB-5 (15-17)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8151A
 Lab File ID : p8180530a-31
 Sample Amount : 30.32 g
 Extraction Method : EPA 8151A
 Extract Volume : 10000 uL
 GPC Cleanup : N
 Sulfur Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 10:00
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 02:30
 Date Extracted : 05/28/18
 Dilution Factor : 1
 Analyst : KEG
 Instrument ID : PEST8
 GC Column : STX-CLP1
 %Solids : 90
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
94-75-7	2,4-D	ND	184	11.6	U
93-76-5	2,4,5-T	ND	184	5.71	U
93-72-1	2,4,5-TP (Silvex)	ND	184	4.90	U



Form 1 GC Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-03
 Client ID : SB-2 (1-5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8151A
 Lab File ID : p8180530a-32
 Sample Amount : 30.62 g
 Extraction Method : EPA 8151A
 Extract Volume : 10000 uL
 GPC Cleanup : N
 Sulfur Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 10:45
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 02:50
 Date Extracted : 05/28/18
 Dilution Factor : 1
 Analyst : KEG
 Instrument ID : PEST8
 GC Column : STX-CLP1
 %Solids : 85
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
94-75-7	2,4-D	ND	191	12.1	U
93-76-5	2,4,5-T	ND	191	5.93	U
93-72-1	2,4,5-TP (Silvex)	ND	191	5.09	U



Form 1 GC Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-04
 Client ID : SB-2 (13-14)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8151A
 Lab File ID : p8180530a-34
 Sample Amount : 30.58 g
 Extraction Method : EPA 8151A
 Extract Volume : 10000 uL
 GPC Cleanup : N
 Sulfur Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 11:05
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 03:29
 Date Extracted : 05/28/18
 Dilution Factor : 1
 Analyst : KEG
 Instrument ID : PEST8
 GC Column : STX-CLP1
 %Solids : 79
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
94-75-7	2,4-D	ND	207	13.1	U
93-76-5	2,4,5-T	ND	207	6.43	U
93-72-1	2,4,5-TP (Silvex)	ND	207	5.52	U



Form 1

GC Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-05
 Client ID : SB-3 (15-16)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8151A
 Lab File ID : p8180530a-35
 Sample Amount : 30.72 g
 Extraction Method : EPA 8151A
 Extract Volume : 10000 uL
 GPC Cleanup : N
 Sulfur Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 12:05
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 03:49
 Date Extracted : 05/28/18
 Dilution Factor : 1
 Analyst : KEG
 Instrument ID : PEST8
 GC Column : STX-CLP1
 %Solids : 86
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
94-75-7	2,4-D	ND	188	11.9	U
93-76-5	2,4,5-T	ND	188	5.85	U
93-72-1	2,4,5-TP (Silvex)	ND	188	5.02	U



Form 1

GC Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-06
 Client ID : SB-3 (1-5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8151A
 Lab File ID : p8180530a-36
 Sample Amount : 30.7 g
 Extraction Method : EPA 8151A
 Extract Volume : 10000 uL
 GPC Cleanup : N
 Sulfur Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 12:00
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 04:09
 Date Extracted : 05/28/18
 Dilution Factor : 1
 Analyst : KEG
 Instrument ID : PEST8
 GC Column : STX-CLP1
 %Solids : 84
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
94-75-7	2,4-D	ND	193	12.2	U
93-76-5	2,4,5-T	ND	193	6.00	U
93-72-1	2,4,5-TP (Silvex)	ND	193	5.14	U



Form 1

GC Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-07
 Client ID : SB-1 (1-5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8151A
 Lab File ID : p8180530a-37
 Sample Amount : 30.31 g
 Extraction Method : EPA 8151A
 Extract Volume : 10000 uL
 GPC Cleanup : N
 Sulfur Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 14:05
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 04:28
 Date Extracted : 05/28/18
 Dilution Factor : 1
 Analyst : KEG
 Instrument ID : PEST8
 GC Column : STX-CLP1
 %Solids : 87
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
94-75-7	2,4-D	ND	190	12.0	U
93-76-5	2,4,5-T	ND	190	5.89	U
93-72-1	2,4,5-TP (Silvex)	ND	190	5.06	U



Form 1 GC Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-08
 Client ID : SB-1 (20-21)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8151A
 Lab File ID : p8180530a-38
 Sample Amount : 30.19 g
 Extraction Method : EPA 8151A
 Extract Volume : 10000 uL
 GPC Cleanup : N
 Sulfur Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 14:50
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 04:48
 Date Extracted : 05/28/18
 Dilution Factor : 1
 Analyst : KEG
 Instrument ID : PEST8
 GC Column : STX-CLP1
 %Solids : 82
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
94-75-7	2,4-D	ND	202	12.7	U
93-76-5	2,4,5-T	ND	202	6.27	U
93-72-1	2,4,5-TP (Silvex)	ND	202	5.38	U



Form 1

GC Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-09
 Client ID : SB-1 (20-21) DUP
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8151A
 Lab File ID : p8180530a-39
 Sample Amount : 30.29 g
 Extraction Method : EPA 8151A
 Extract Volume : 10000 uL
 GPC Cleanup : N
 Sulfur Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 14:55
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 05:07
 Date Extracted : 05/28/18
 Dilution Factor : 1
 Analyst : KEG
 Instrument ID : PEST8
 GC Column : STX-CLP1
 %Solids : 81
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
94-75-7	2,4-D	ND	204	12.9	U
93-76-5	2,4,5-T	ND	204	6.33	U
93-72-1	2,4,5-TP (Silvex)	ND	204	5.43	U



Form 1 GC Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-10
 Client ID : SB-4 (0-5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8151A
 Lab File ID : p8180530a-40
 Sample Amount : 30.88 g
 Extraction Method : EPA 8151A
 Extract Volume : 10000 uL
 GPC Cleanup : N
 Sulfur Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 15:25
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 05:27
 Date Extracted : 05/28/18
 Dilution Factor : 1
 Analyst : KEG
 Instrument ID : PEST8
 GC Column : STX-CLP1
 %Solids : 88
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
94-75-7	2,4-D	ND	183	11.5	U
93-76-5	2,4,5-T	ND	183	5.68	U
93-72-1	2,4,5-TP (Silvex)	ND	183	4.87	U



Form 1 GC Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-11
 Client ID : SB-4 (18-20)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8151A
 Lab File ID : p8180530a-41
 Sample Amount : 30.57 g
 Extraction Method : EPA 8151A
 Extract Volume : 10000 uL
 GPC Cleanup : N
 Sulfur Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 15:50
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 05:47
 Date Extracted : 05/28/18
 Dilution Factor : 1
 Analyst : KEG
 Instrument ID : PEST8
 GC Column : STX-CLP1
 %Solids : 90
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
94-75-7	2,4-D	ND	182	11.4	U
93-76-5	2,4,5-T	ND	182	5.63	U
93-72-1	2,4,5-TP (Silvex)	ND	182	4.83	U



Form 1 GC Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-12
 Client ID : S1-S (0-0.5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8151A
 Lab File ID : p8180530a-45
 Sample Amount : 30.46 g
 Extraction Method : EPA 8151A
 Extract Volume : 10000 uL
 GPC Cleanup : N
 Sulfur Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 13:36
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 07:05
 Date Extracted : 05/28/18
 Dilution Factor : 1
 Analyst : KEG
 Instrument ID : PEST8
 GC Column : STX-CLP1
 %Solids : 87
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
94-75-7	2,4-D	ND	189	11.9	U
93-76-5	2,4,5-T	ND	189	5.86	U
93-72-1	2,4,5-TP (Silvex)	ND	189	5.02	U



Form 1 GC Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-13
 Client ID : S1-E (0-0.5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8151A
 Lab File ID : p8180530a-46
 Sample Amount : 30.82 g
 Extraction Method : EPA 8151A
 Extract Volume : 10000 uL
 GPC Cleanup : N
 Sulfur Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 13:44
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 07:25
 Date Extracted : 05/28/18
 Dilution Factor : 1
 Analyst : KEG
 Instrument ID : PEST8
 GC Column : STX-CLP1
 %Solids : 87
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
94-75-7	2,4-D	ND	186	11.7	U
93-76-5	2,4,5-T	ND	186	5.75	U
93-72-1	2,4,5-TP (Silvex)	ND	186	4.94	U



Form 1

GC Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-14
 Client ID : S1-C (0.5-1)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8151A
 Lab File ID : p8180530a-47
 Sample Amount : 30.34 g
 Extraction Method : EPA 8151A
 Extract Volume : 10000 uL
 GPC Cleanup : N
 Sulfur Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 13:57
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 07:45
 Date Extracted : 05/28/18
 Dilution Factor : 1
 Analyst : KEG
 Instrument ID : PEST8
 GC Column : STX-CLP1
 %Solids : 93
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
94-75-7	2,4-D	ND	177	11.1	U
93-76-5	2,4,5-T	ND	177	5.48	U
93-72-1	2,4,5-TP (Silvex)	ND	177	4.70	U



Form 1 GC Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-15
 Client ID : S1-N (0.5-1.5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8151A
 Lab File ID : p8180530a-48
 Sample Amount : 30.48 g
 Extraction Method : EPA 8151A
 Extract Volume : 10000 uL
 GPC Cleanup : N
 Sulfur Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 14:07
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 08:04
 Date Extracted : 05/28/18
 Dilution Factor : 1
 Analyst : KEG
 Instrument ID : PEST8
 GC Column : STX-CLP1
 %Solids : 92
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
94-75-7	2,4-D	ND	179	11.3	U
93-76-5	2,4,5-T	ND	179	5.55	U
93-72-1	2,4,5-TP (Silvex)	ND	179	4.76	U



Form 1 GC Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-16
 Client ID : FIELD BLANK
 Sample Location : BRONX, NY
 Sample Matrix : WATER
 Analytical Method : 1,8151A
 Lab File ID : p8180530a-17
 Sample Amount : 810 ml
 Extraction Method : EPA 8151A
 Extract Volume : 10000 uL
 GPC Cleanup : N
 Sulfur Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 16:00
 Date Received : 05/24/18
 Date Analyzed : 05/30/18 21:55
 Date Extracted : 05/25/18
 Dilution Factor : 1
 Analyst : KEG
 Instrument ID : PEST8
 GC Column : STX-CLP1
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
94-75-7	2,4-D	ND	12.3	0.615	U
93-76-5	2,4,5-T	ND	2.47	0.656	U
93-72-1	2,4,5-TP (Silvex)	ND	2.47	0.665	U



Form 1 GC Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-18
 Client ID : S1-W (0-1)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8151A
 Lab File ID : p8180530a-49
 Sample Amount : 30.74 g
 Extraction Method : EPA 8151A
 Extract Volume : 10000 uL
 GPC Cleanup : N
 Sulfur Cleanup : N

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 13:22
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 08:24
 Date Extracted : 05/28/18
 Dilution Factor : 1
 Analyst : KEG
 Instrument ID : PEST8
 GC Column : STX-CLP1
 %Solids : 86
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
94-75-7	2,4-D	ND	190	12.0	U
93-76-5	2,4,5-T	ND	190	5.90	U
93-72-1	2,4,5-TP (Silvex)	ND	190	5.06	U



Appendix C
Data Summary Form I's
with Qualifications
Metals/Cyanide
Hexavalent/Trivalent Chromium

Form 1 METALS

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-01
 Client ID : SB-5 (1-2)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,6010C
 Lab File ID : WG1120469.pdf
 Sample Amount : 1.274g
 Digestion Method : EPA 3050B

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 09:55
 Date Received : 05/24/18
 Date Analyzed : 05/30/18 23:14
 Dilution Factor : 2
 Analyst : AB
 Instrument ID : TRACE4
 %Solids : 87
 Date Digested : 05/30/18

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	13500	9.05	2.44	
7440-36-0	Antimony, Total	ND	4.53	0.344	U
7440-38-2	Arsenic, Total	3.44	0.905	0.188	
7440-39-3	Barium, Total	53.7	0.905	0.158	
7440-41-7	Beryllium, Total	0.353	0.453	0.030	J
7440-43-9	Cadmium, Total	0.434	0.905	0.089	J
7440-70-2	Calcium, Total	1250	9.05	3.17	
7440-47-3	Chromium, Total	24.6	0.905	0.087	
7440-48-4	Cobalt, Total	8.74	1.81	0.150	
7440-50-8	Copper, Total	16.7	0.905	0.234	
7439-89-6	Iron, Total	21200	4.53	0.818	
7439-92-1	Lead, Total	32.5	4.53	0.243	
7439-95-4	Magnesium, Total	2200	9.05	1.39	
7439-96-5	Manganese, Total	239	0.905	0.144	
7440-02-0	Nickel, Total	11.2	2.26	0.219	
7440-09-7	Potassium, Total	722	226	13.0	
7782-49-2	Selenium, Total	1.43	1.81	0.234	J
7440-22-4	Silver, Total	ND	0.905	0.256	U
7440-23-5	Sodium, Total	657	181	2.85	
7440-28-0	Thallium, Total	0.398	1.81	0.285	J
7440-62-2	Vanadium, Total	30.9	0.905	0.184	
7440-66-6	Zinc, Total	37.6	4.53	0.265	



Form 1 METALS

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-01
 Client ID : SB-5 (1-2)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,7471B
 Lab File ID : WG1121042
 Sample Amount : 0.397g
 Digestion Method : EPA 7471B

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 09:55
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 15:13
 Dilution Factor : 1
 Analyst : BV
 Instrument ID : FIMS4
 %Solids : 87
 Date Digested : 05/30/18

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	0.036	0.073	0.015	J



Form 1 METALS

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-02
 Client ID : SB-5 (15-17)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,6010C
 Lab File ID : WG1120469.pdf
 Sample Amount : 1.332g
 Digestion Method : EPA 3050B

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 10:00
 Date Received : 05/24/18
 Date Analyzed : 05/30/18 23:19
 Dilution Factor : 2
 Analyst : AB
 Instrument ID : TRACE4
 %Solids : 90
 Date Digested : 05/30/18

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	20400	8.39	2.26	
7440-36-0	Antimony, Total	0.377	4.19	0.319	J
7440-39-3	Barium, Total	352	0.839	0.146	
7440-41-7	Beryllium, Total	0.612	0.419	0.028	
7440-43-9	Cadmium, Total	0.906	0.839	0.082	
7440-70-2	Calcium, Total	1620	8.39	2.94	
7440-47-3	Chromium, Total	57.9	0.839	0.081	
7440-48-4	Cobalt, Total	25.1	1.68	0.139	
7440-50-8	Copper, Total	42.2	0.839	0.216	
7439-89-6	Iron, Total	41900	4.19	0.757	
7439-92-1	Lead, Total	18.8	4.19	0.225	
7439-95-4	Magnesium, Total	11600	8.39	1.29	
7439-96-5	Manganese, Total	981	0.839	0.133	
7440-02-0	Nickel, Total	41.9	2.10	0.203	
7440-09-7	Potassium, Total	14800	210	12.1	
7782-49-2	Selenium, Total	1.84	1.68	0.216	
7440-22-4	Silver, Total	ND	0.839	0.237	U
7440-23-5	Sodium, Total	275	168	2.64	
7440-28-0	Thallium, Total	ND	1.68	0.264	U
7440-62-2	Vanadium, Total	75.9	0.839	0.170	
7440-66-6	Zinc, Total	82.6	4.19	0.246	



Form 1 METALS

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-02
 Client ID : SB-5 (15-17)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,6010C
 Lab File ID : WG1120469.pdf
 Sample Amount : 1.332g
 Digestion Method : EPA 3050B

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 10:00
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 03:07
 Dilution Factor : 20
 Analyst : AB
 Instrument ID : TRACE4
 %Solids : 90
 Date Digested : 05/30/18

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7440-38-2	Arsenic, Total	ND	8.39	1.74	U



Form 1 METALS

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-02
 Client ID : SB-5 (15-17)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,7471B
 Lab File ID : WG1121042
 Sample Amount : 0.391g
 Digestion Method : EPA 7471B

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 10:00
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 15:15
 Dilution Factor : 1
 Analyst : BV
 Instrument ID : FIMS4
 %Solids : 90
 Date Digested : 05/30/18

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.071	0.015	U



Form 1 METALS

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-03
 Client ID : SB-2 (1-5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,6010C
 Lab File ID : WG1120469.pdf
 Sample Amount : 1.263g
 Digestion Method : EPA 3050B

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 10:45
 Date Received : 05/24/18
 Date Analyzed : 05/30/18 23:24
 Dilution Factor : 2
 Analyst : AB
 Instrument ID : TRACE4
 %Solids : 85
 Date Digested : 05/30/18

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	11700	9.28	2.51	
7440-36-0	Antimony, Total	ND	4.64	0.353	U
7440-38-2	Arsenic, Total	1.62	0.928	0.193	
7440-39-3	Barium, Total	26.6	0.928	0.162	
7440-41-7	Beryllium, Total	0.306	0.464	0.031	J
7440-43-9	Cadmium, Total	0.390	0.928	0.091	J
7440-70-2	Calcium, Total	765	9.28	3.25	
7440-47-3	Chromium, Total	26.8	0.928	0.089	
7440-48-4	Cobalt, Total	7.74	1.86	0.154	
7440-50-8	Copper, Total	14.2	0.928	0.239	
7439-89-6	Iron, Total	19800	4.64	0.838	
7439-92-1	Lead, Total	10.4	4.64	0.249	
7439-95-4	Magnesium, Total	2440	9.28	1.43	
7439-96-5	Manganese, Total	232	0.928	0.148	
7440-02-0	Nickel, Total	12.9	2.32	0.225	
7440-09-7	Potassium, Total	908	232	13.4	
7782-49-2	Selenium, Total	1.11	1.86	0.239	J
7440-22-4	Silver, Total	ND	0.928	0.263	U
7440-23-5	Sodium, Total	300	186	2.92	
7440-28-0	Thallium, Total	ND	1.86	0.292	U
7440-62-2	Vanadium, Total	35.8	0.928	0.188	
7440-66-6	Zinc, Total	28.2	4.64	0.272	



Form 1 METALS

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-03
 Client ID : SB-2 (1-5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,7471B
 Lab File ID : WG1121042
 Sample Amount : 0.397g
 Digestion Method : EPA 7471B

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 10:45
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 15:16
 Dilution Factor : 1
 Analyst : BV
 Instrument ID : FIMS4
 %Solids : 85
 Date Digested : 05/30/18

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	0.279	0.074	0.016	



Form 1 METALS

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-04
 Client ID : SB-2 (13-14)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,6010C
 Lab File ID : WG1120469.pdf
 Sample Amount : 1.314g
 Digestion Method : EPA 3050B

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 11:05
 Date Received : 05/24/18
 Date Analyzed : 05/30/18 23:28
 Dilution Factor : 2
 Analyst : AB
 Instrument ID : TRACE4
 %Solids : 79
 Date Digested : 05/30/18

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	8200	9.66	2.61	
7440-36-0	Antimony, Total	ND	4.83	0.367	U
7440-38-2	Arsenic, Total	ND	0.966	0.201	U
7440-39-3	Barium, Total	55.2	0.966	0.168	
7440-41-7	Beryllium, Total	0.270	0.483	0.032	J
7440-43-9	Cadmium, Total	0.212	0.966	0.095	J
7440-70-2	Calcium, Total	1500	9.66	3.38	
7440-47-3	Chromium, Total	10.4	0.966	0.093	
7440-48-4	Cobalt, Total	13.8	1.93	0.160	
7440-50-8	Copper, Total	ND	0.966	0.249	U
7439-89-6	Iron, Total	11000	4.83	0.872	
7439-92-1	Lead, Total	10.3	4.83	0.259	
7439-95-4	Magnesium, Total	3590	9.66	1.49	
7439-96-5	Manganese, Total	636	0.966	0.154	
7440-02-0	Nickel, Total	11.8	2.41	0.234	
7440-09-7	Potassium, Total	4030	241	13.9	
7782-49-2	Selenium, Total	0.483	1.93	0.249	J
7440-22-4	Silver, Total	ND	0.966	0.273	U
7440-23-5	Sodium, Total	62.0	193	3.04	J
7440-28-0	Thallium, Total	0.541	1.93	0.304	J
7440-62-2	Vanadium, Total	10.9	0.966	0.196	
7440-66-6	Zinc, Total	33.4	4.83	0.283	



Form 1 METALS

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-04
 Client ID : SB-2 (13-14)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,7471B
 Lab File ID : WG1121042
 Sample Amount : 0.398g
 Digestion Method : EPA 7471B

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 11:05
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 15:18
 Dilution Factor : 1
 Analyst : BV
 Instrument ID : FIMS4
 %Solids : 79
 Date Digested : 05/30/18

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.080	0.017	U



Form 1 METALS

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-05
 Client ID : SB-3 (15-16)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,6010C
 Lab File ID : WG1120469.pdf
 Sample Amount : 1.308g
 Digestion Method : EPA 3050B

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 12:05
 Date Received : 05/24/18
 Date Analyzed : 05/30/18 23:33
 Dilution Factor : 2
 Analyst : AB
 Instrument ID : TRACE4
 %Solids : 86
 Date Digested : 05/30/18

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	31500	8.86	2.39	
7440-36-0	Antimony, Total	0.470	4.43	0.337	J
7440-38-2	Arsenic, Total	ND	0.886	0.184	U
7440-39-3	Barium, Total	388	0.886	0.154	
7440-41-7	Beryllium, Total	0.709	0.443	0.029	
7440-43-9	Cadmium, Total	0.168	0.886	0.087	J
7440-70-2	Calcium, Total	1730	8.86	3.10	
7440-47-3	Chromium, Total	15.1	0.886	0.085	
7440-48-4	Cobalt, Total	6.45	1.77	0.147	
7440-50-8	Copper, Total	ND	0.886	0.228	U
7439-89-6	Iron, Total	9780	4.43	0.800	
7439-92-1	Lead, Total	1.12	4.43	0.237	J
7439-95-4	Magnesium, Total	1020	8.86	1.36	
7439-96-5	Manganese, Total	320	0.886	0.141	
7440-02-0	Nickel, Total	214	2.21	0.214	
7440-09-7	Potassium, Total	491	221	12.8	
7782-49-2	Selenium, Total	0.868	1.77	0.228	J
7440-22-4	Silver, Total	ND	0.886	0.251	U
7440-23-5	Sodium, Total	224	177	2.79	
7440-28-0	Thallium, Total	0.549	1.77	0.279	J
7440-62-2	Vanadium, Total	14.1	0.886	0.180	
7440-66-6	Zinc, Total	16.1	4.43	0.260	



Form 1 METALS

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-05
 Client ID : SB-3 (15-16)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,7471B
 Lab File ID : WG1121042
 Sample Amount : 0.399g
 Digestion Method : EPA 7471B

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 12:05
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 15:20
 Dilution Factor : 1
 Analyst : BV
 Instrument ID : FIMS4
 %Solids : 86
 Date Digested : 05/30/18

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.073	0.015	U



Form 1 METALS

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-06
 Client ID : SB-3 (1-5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,6010C
 Lab File ID : WG1120469.pdf
 Sample Amount : 1.307g
 Digestion Method : EPA 3050B

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 12:00
 Date Received : 05/24/18
 Date Analyzed : 05/30/18 23:37
 Dilution Factor : 2
 Analyst : AB
 Instrument ID : TRACE4
 %Solids : 84
 Date Digested : 05/30/18

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	12900	9.09	2.45	
7440-36-0	Antimony, Total	34.1	4.54	0.345	
7440-39-3	Barium, Total	153	0.909	0.158	
7440-41-7	Beryllium, Total	0.363	0.454	0.030	J
7440-43-9	Cadmium, Total	7.56	0.909	0.089	
7440-70-2	Calcium, Total	2370	9.09	3.18	
7440-47-3	Chromium, Total	30.8	0.909	0.087	
7440-48-4	Cobalt, Total	161	1.82	0.151	
7440-50-8	Copper, Total	37.5	0.909	0.234	
7439-89-6	Iron, Total	24900	4.54	0.820	
7439-92-1	Lead, Total	1110	4.54	0.244	
7439-95-4	Magnesium, Total	4650	9.09	1.40	
7439-96-5	Manganese, Total	585	0.909	0.144	
7440-02-0	Nickel, Total	276	2.27	0.220	
7440-09-7	Potassium, Total	4730	227	13.1	
7782-49-2	Selenium, Total	13.9	1.82	0.234	
7440-22-4	Silver, Total	ND	0.909	0.257	U
7440-23-5	Sodium, Total	256	182	2.86	
7440-28-0	Thallium, Total	ND	1.82	0.286	U
7440-62-2	Vanadium, Total	46.2	0.909	0.184	
7440-66-6	Zinc, Total	1290	4.54	0.266	



Form 1 METALS

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-06
 Client ID : SB-3 (1-5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,6010C
 Lab File ID : WG1121381.pdf
 Sample Amount : 1.307g
 Digestion Method : EPA 3050B

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 12:00
 Date Received : 05/24/18
 Date Analyzed : 06/01/18 13:42
 Dilution Factor : 20
 Analyst : MC
 Instrument ID : TRACE5
 %Solids : 84
 Date Digested : 05/30/18

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7440-38-2	Arsenic, Total	2.54	9.09	1.89	J



Form 1 METALS

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-06
 Client ID : SB-3 (1-5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,7471B
 Lab File ID : WG1121042
 Sample Amount : 0.39g
 Digestion Method : EPA 7471B

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 12:00
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 15:22
 Dilution Factor : 1
 Analyst : BV
 Instrument ID : FIMS4
 %Solids : 84
 Date Digested : 05/30/18

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	0.297	0.076	0.016	



Form 1 METALS

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-07
 Client ID : SB-1 (1-5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,6010C
 Lab File ID : WG1120469.pdf
 Sample Amount : 1.276g
 Digestion Method : EPA 3050B

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 14:05
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 01:09
 Dilution Factor : 2
 Analyst : AB
 Instrument ID : TRACE4
 %Solids : 87
 Date Digested : 05/30/18

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	16700	9.03	2.44	
7440-36-0	Antimony, Total	ND	4.51	0.343	U
7440-38-2	Arsenic, Total	0.442	0.903	0.188	J
7440-39-3	Barium, Total	192	0.903	0.157	
7440-41-7	Beryllium, Total	0.406	0.451	0.030	J
7440-43-9	Cadmium, Total	0.686	0.903	0.089	J
7440-70-2	Calcium, Total	1760	9.03	3.16	
7440-47-3	Chromium, Total	41.1	0.903	0.087	
7440-48-4	Cobalt, Total	19.5	1.80	0.150	
7440-50-8	Copper, Total	103	0.903	0.233	
7439-89-6	Iron, Total	31200	4.51	0.815	
7439-92-1	Lead, Total	64.0	4.51	0.242	
7439-95-4	Magnesium, Total	6860	9.03	1.39	
7439-96-5	Manganese, Total	630	0.903	0.144	
7440-02-0	Nickel, Total	34.2	2.26	0.218	
7440-09-7	Potassium, Total	7720	226	13.0	
7782-49-2	Selenium, Total	1.63	1.80	0.233	J
7440-22-4	Silver, Total	ND	0.903	0.256	U
7440-23-5	Sodium, Total	302	180	2.84	
7440-28-0	Thallium, Total	ND	1.80	0.284	U
7440-62-2	Vanadium, Total	81.1	0.903	0.183	
7440-66-6	Zinc, Total	88.4	4.51	0.264	



Form 1 METALS

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-07
 Client ID : SB-1 (1-5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,7471B
 Lab File ID : WG1121042
 Sample Amount : 0.392g
 Digestion Method : EPA 7471B

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 14:05
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 15:27
 Dilution Factor : 1
 Analyst : BV
 Instrument ID : FIMS4
 %Solids : 87
 Date Digested : 05/30/18

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	0.174	0.074	0.016	



Form 1 METALS

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-08
 Client ID : SB-1 (20-21)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,6010C
 Lab File ID : WG1120469.pdf
 Sample Amount : 1.329g
 Digestion Method : EPA 3050B

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 14:50
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 01:14
 Dilution Factor : 2
 Analyst : AB
 Instrument ID : TRACE4
 %Solids : 82
 Date Digested : 05/30/18

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	18100	9.19	2.48	
7440-36-0	Antimony, Total	ND	4.59	0.349	U
7440-38-2	Arsenic, Total	ND	0.919	0.191	U
7440-39-3	Barium, Total	257	0.919	0.160	
7440-41-7	Beryllium, Total	0.533	0.459	0.030	
7440-43-9	Cadmium, Total	0.680	0.919	0.090	J
7440-70-2	Calcium, Total	1990	9.19	3.22	
7440-47-3	Chromium, Total	109	0.919	0.088	
7440-48-4	Cobalt, Total	25.1	1.84	0.152	
7440-50-8	Copper, Total	6.08	0.919	0.237	
7439-89-6	Iron, Total	35500	4.59	0.830	
7439-92-1	Lead, Total	2.06	4.59	0.246	J
7439-95-4	Magnesium, Total	13300	9.19	1.41	
7439-96-5	Manganese, Total	1130	0.919	0.146	
7440-02-0	Nickel, Total	78.0	2.30	0.222	
7440-09-7	Potassium, Total	9690	230	13.2	
7782-49-2	Selenium, Total	1.36	1.84	0.237	J
7440-22-4	Silver, Total	ND	0.919	0.260	U
7440-23-5	Sodium, Total	173	184	2.89	J
7440-28-0	Thallium, Total	ND	1.84	0.289	U
7440-62-2	Vanadium, Total	57.8	0.919	0.186	
7440-66-6	Zinc, Total	51.9	4.59	0.269	



Form 1 METALS

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-08
 Client ID : SB-1 (20-21)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,7471B
 Lab File ID : WG1121042
 Sample Amount : 0.399g
 Digestion Method : EPA 7471B

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 14:50
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 15:29
 Dilution Factor : 1
 Analyst : BV
 Instrument ID : FIMS4
 %Solids : 82
 Date Digested : 05/30/18

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.077	0.016	U



Form 1 METALS

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-09
 Client ID : SB-1 (20-21) DUP
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,6010C
 Lab File ID : WG1120469.pdf
 Sample Amount : 1.284g
 Digestion Method : EPA 3050B

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 14:55
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 01:18
 Dilution Factor : 2
 Analyst : AB
 Instrument ID : TRACE4
 %Solids : 81
 Date Digested : 05/30/18

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	22900	9.64	2.60	
7440-36-0	Antimony, Total	ND	4.82	0.366	U
7440-38-2	Arsenic, Total	ND	0.964	0.200	U
7440-39-3	Barium, Total	348	0.964	0.168	
7440-41-7	Beryllium, Total	0.655	0.482	0.032	
7440-43-9	Cadmium, Total	0.761	0.964	0.095	J
7440-70-2	Calcium, Total	2320	9.64	3.37	
7440-47-3	Chromium, Total	109	0.964	0.093	
7440-48-4	Cobalt, Total	31.5	1.93	0.160	
7440-50-8	Copper, Total	4.84	0.964	0.249	
7439-89-6	Iron, Total	39000	4.82	0.870	
7439-92-1	Lead, Total	2.24	4.82	0.258	J
7439-95-4	Magnesium, Total	16500	9.64	1.48	
7439-96-5	Manganese, Total	1140	0.964	0.153	
7440-02-0	Nickel, Total	92.9	2.41	0.233	
7440-09-7	Potassium, Total	12400	241	13.9	
7782-49-2	Selenium, Total	1.65	1.93	0.249	J
7440-22-4	Silver, Total	ND	0.964	0.273	U
7440-23-5	Sodium, Total	217	193	3.04	
7440-28-0	Thallium, Total	ND	1.93	0.304	U
7440-62-2	Vanadium, Total	69.0	0.964	0.196	
7440-66-6	Zinc, Total	61.6	4.82	0.282	



Form 1 METALS

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-09
 Client ID : SB-1 (20-21) DUP
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,7471B
 Lab File ID : WG1121042
 Sample Amount : 0.392g
 Digestion Method : EPA 7471B

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 14:55
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 15:31
 Dilution Factor : 1
 Analyst : BV
 Instrument ID : FIMS4
 %Solids : 81
 Date Digested : 05/30/18

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.079	0.017	U



Form 1 METALS

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-10
 Client ID : SB-4 (0-5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,6010C
 Lab File ID : WG1120469.pdf
 Sample Amount : 1.262g
 Digestion Method : EPA 3050B

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 15:25
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 01:23
 Dilution Factor : 2
 Analyst : AB
 Instrument ID : TRACE4
 %Solids : 88
 Date Digested : 05/30/18

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	11700	8.96	2.42	
7440-36-0	Antimony, Total	ND	4.48	0.341	U
7440-38-2	Arsenic, Total	0.681	0.896	0.186	J
7440-39-3	Barium, Total	63.3	0.896	0.156	
7440-41-7	Beryllium, Total	0.412	0.448	0.030	J
7440-43-9	Cadmium, Total	0.358	0.896	0.088	J
7440-70-2	Calcium, Total	1190	8.96	3.14	
7440-47-3	Chromium, Total	20.7	0.896	0.086	
7440-48-4	Cobalt, Total	8.59	1.79	0.149	
7440-50-8	Copper, Total	25.8	0.896	0.231	
7439-89-6	Iron, Total	17900	4.48	0.609	
7439-92-1	Lead, Total	7.40	4.48	0.240	
7439-95-4	Magnesium, Total	2730	8.96	1.38	
7439-96-5	Manganese, Total	254	0.896	0.142	
7440-02-0	Nickel, Total	13.2	2.24	0.217	
7440-09-7	Potassium, Total	1850	224	12.9	
7782-49-2	Selenium, Total	1.11	1.79	0.231	J
7440-22-4	Silver, Total	ND	0.896	0.254	U
7440-23-5	Sodium, Total	196	179	2.82	
7440-28-0	Thallium, Total	ND	1.79	0.282	U
7440-62-2	Vanadium, Total	28.7	0.896	0.182	
7440-66-6	Zinc, Total	29.0	4.48	0.263	



Form 1 METALS

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-10
 Client ID : SB-4 (0-5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,7471B
 Lab File ID : WG1121042
 Sample Amount : 0.394g
 Digestion Method : EPA 7471B

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 15:25
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 15:33
 Dilution Factor : 1
 Analyst : BV
 Instrument ID : FIMS4
 %Solids : 88
 Date Digested : 05/30/18

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	0.042	0.072	0.015	J



Form 1 METALS

Client : Tenen Environmental, LLC
Project Name : 2135 WESTCHESTER
Lab ID : L1819157-11
Client ID : SB-4 (18-20)
Sample Location : BRONX, NY
Sample Matrix : SOIL
Analytical Method : 1,6010C
Lab File ID : WG1120469.pdf
Sample Amount : 1.311g
Digestion Method : EPA 3050B

Lab Number : L1819157
Project Number : 2135 WESTCHESTER
Date Collected : 05/23/18 15:50
Date Received : 05/24/18
Date Analyzed : 05/30/18 22:20
Dilution Factor : 2
Analyst : AB
Instrument ID : TRACE4
%Solids : 90
Date Digested : 05/30/18

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	14800	8.48	2.29	J+
7440-36-0	Antimony, Total	ND	4.24	0.322	U
7440-38-2	Arsenic, Total	ND	0.848	0.176	U
7440-39-3	Barium, Total	208	0.848	0.147	
7440-41-7	Beryllium, Total	0.322	0.424	0.028	J
7440-43-9	Cadmium, Total	0.593	0.848	0.083	J
7440-70-2	Calcium, Total	1210	8.48	2.97	J-
7440-47-3	Chromium, Total	24.2	0.848	0.081	
7440-48-4	Cobalt, Total	18.9	1.70	0.141	
7440-50-8	Copper, Total	4.42	0.848	0.219	
7439-89-6	Iron, Total	28900	4.24	0.765	J+
7439-92-1	Lead, Total	6.47	4.24	0.227	
7439-95-4	Magnesium, Total	7710	8.48	1.30	
7439-96-5	Manganese, Total	374	0.848	0.135	
7440-02-0	Nickel, Total	21.5	2.12	0.205	
7440-09-7	Potassium, Total	11000	212	12.2	
7782-49-2	Selenium, Total	0.949	1.70	0.219	J
7440-22-4	Silver, Total	ND	0.848	0.240	U
7440-23-5	Sodium, Total	121	170	2.67	J
7440-28-0	Thallium, Total	ND	1.70	0.267	U
7440-62-2	Vanadium, Total	37.9	0.848	0.172	
7440-66-6	Zinc, Total	78.0	4.24	0.248	

for
9/17/18



Form 1 METALS

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-11
 Client ID : SB-4 (18-20)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,7471B
 Lab File ID : WG1121042
 Sample Amount : 0.399g
 Digestion Method : EPA 7471B

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 15:50
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 15:06
 Dilution Factor : 1
 Analyst : BV
 Instrument ID : FIMS4
 %Solids : 90
 Date Digested : 05/30/18

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.070	0.015	U



Form 1 METALS

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-12
 Client ID : S1-S (0-0.5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,6010C
 Lab File ID : WG1120469.pdf
 Sample Amount : 1.257g
 Digestion Method : EPA 3050B

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 13:36
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 01:27
 Dilution Factor : 2
 Analyst : AB
 Instrument ID : TRACE4
 %Solids : 87
 Date Digested : 05/30/18

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	13500	9.15	2.47	
7440-36-0	Antimony, Total	0.705	4.58	0.348	J
7440-38-2	Arsenic, Total	6.39	0.915	0.190	
7440-39-3	Barium, Total	292	0.915	0.159	
7440-41-7	Beryllium, Total	0.540	0.458	0.030	
7440-43-9	Cadmium, Total	0.558	0.915	0.090	J
7440-70-2	Calcium, Total	9180	9.15	3.20	
7440-47-3	Chromium, Total	34.2	0.915	0.088	
7440-48-4	Cobalt, Total	13.4	1.83	0.152	
7440-50-8	Copper, Total	39.6	0.915	0.236	
7439-89-6	Iron, Total	19400	4.58	0.827	
7439-92-1	Lead, Total	53.8	4.58	0.245	
7439-95-4	Magnesium, Total	7560	9.15	1.41	
7439-96-5	Manganese, Total	281	0.915	0.146	
7440-02-0	Nickel, Total	32.7	2.29	0.222	
7440-09-7	Potassium, Total	5080	229	13.2	
7782-49-2	Selenium, Total	1.99	1.83	0.236	
7440-22-4	Silver, Total	ND	0.915	0.259	U
7440-23-5	Sodium, Total	232	183	2.88	
7440-28-0	Thallium, Total	ND	1.83	0.288	U
7440-62-2	Vanadium, Total	84.8	0.915	0.186	
7440-66-6	Zinc, Total	108	4.58	0.268	



Form 1 METALS

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-12
 Client ID : S1-S (0-0.5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,7471B
 Lab File ID : WG1121042
 Sample Amount : 0.399g
 Digestion Method : EPA 7471B

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 13:36
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 15:34
 Dilution Factor : 1
 Analyst : BV
 Instrument ID : FIMS4
 %Solids : 87
 Date Digested : 05/30/18

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	0.047	0.072	0.015	J



Form 1 METALS

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-13
 Client ID : S1-E (0-0.5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,6010C
 Lab File ID : WG1120469.pdf
 Sample Amount : 1.261g
 Digestion Method : EPA 3050B

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 13:44
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 01:32
 Dilution Factor : 2
 Analyst : AB
 Instrument ID : TRACE4
 %Solids : 87
 Date Digested : 05/30/18

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	7150	9.07	2.45	
7440-36-0	Antimony, Total	0.771	4.54	0.345	J
7440-38-2	Arsenic, Total	8.66	0.907	0.189	
7440-39-3	Barium, Total	349	0.907	0.158	
7440-41-7	Beryllium, Total	0.290	0.454	0.030	J
7440-43-9	Cadmium, Total	0.581	0.907	0.089	J
7440-70-2	Calcium, Total	16400	9.07	3.18	
7440-47-3	Chromium, Total	25.8	0.907	0.087	
7440-48-4	Cobalt, Total	9.87	1.81	0.151	
7440-50-8	Copper, Total	51.7	0.907	0.234	
7439-89-6	Iron, Total	11400	4.54	0.819	
7439-92-1	Lead, Total	111	4.54	0.243	
7439-95-4	Magnesium, Total	7130	9.07	1.40	
7439-96-5	Manganese, Total	185	0.907	0.144	
7440-02-0	Nickel, Total	30.4	2.27	0.220	
7440-09-7	Potassium, Total	3020	227	13.1	
7782-49-2	Selenium, Total	2.01	1.81	0.234	
7440-22-4	Silver, Total	ND	0.907	0.257	U
7440-23-5	Sodium, Total	256	181	2.86	
7440-28-0	Thallium, Total	0.327	1.81	0.286	J
7440-62-2	Vanadium, Total	85.9	0.907	0.184	
7440-66-6	Zinc, Total	146	4.54	0.266	



Form 1 METALS

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-13
 Client ID : S1-E (0-0.5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,7471B
 Lab File ID : WG1121042
 Sample Amount : 0.397g
 Digestion Method : EPA 7471B

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 13:44
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 15:36
 Dilution Factor : 1
 Analyst : BV
 Instrument ID : FIMS4
 %Solids : 87
 Date Digested : 05/30/18

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	0.045	0.072	0.015	J



Form 1 METALS

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-14
 Client ID : S1-C (0.5-1)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,6010C
 Lab File ID : WG1120469.pdf
 Sample Amount : 1.267g
 Digestion Method : EPA 3050B

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 13:57
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 01:36
 Dilution Factor : 2
 Analyst : AB
 Instrument ID : TRACE4
 %Solids : 93
 Date Digested : 05/30/18

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	28700	8.46	2.28	
7440-36-0	Antimony, Total	0.347	4.23	0.321	J
7440-38-2	Arsenic, Total	ND	0.846	0.176	U
7440-39-3	Barium, Total	598	0.846	0.147	
7440-41-7	Beryllium, Total	0.516	0.423	0.028	
7440-43-9	Cadmium, Total	0.868	0.846	0.083	
7440-70-2	Calcium, Total	3130	8.46	2.96	
7440-47-3	Chromium, Total	127	0.846	0.081	
7440-48-4	Cobalt, Total	39.5	1.69	0.140	
7440-50-8	Copper, Total	13.5	0.846	0.218	
7439-89-6	Iron, Total	44600	4.23	0.764	
7439-92-1	Lead, Total	22.1	4.23	0.227	
7439-95-4	Magnesium, Total	21100	8.46	1.30	
7439-96-5	Manganese, Total	1050	0.846	0.134	
7440-02-0	Nickel, Total	101	2.11	0.205	
7440-09-7	Potassium, Total	17200	211	12.2	
7782-49-2	Selenium, Total	1.53	1.69	0.218	J
7440-22-4	Silver, Total	ND	0.846	0.239	U
7440-23-5	Sodium, Total	358	169	2.66	
7440-28-0	Thallium, Total	ND	1.69	0.266	U
7440-62-2	Vanadium, Total	87.4	0.846	0.172	
7440-66-6	Zinc, Total	78.2	4.23	0.248	



Form 1 METALS

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-14
 Client ID : S1-C (0.5-1)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,7471B
 Lab File ID : WG1121042
 Sample Amount : 0.395g
 Digestion Method : EPA 7471B

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 13:57
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 15:38
 Dilution Factor : 1
 Analyst : BV
 Instrument ID : FIMS4
 %Solids : 93
 Date Digested : 05/30/18

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.068	0.014	U



Form 1 METALS

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-15
 Client ID : S1-N (0.5-1.5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,6010C
 Lab File ID : WG1120469.pdf
 Sample Amount : 1.26g
 Digestion Method : EPA 3050B

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 14:07
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 01:41
 Dilution Factor : 2
 Analyst : AB
 Instrument ID : TRACE4
 %Solids : 92
 Date Digested : 05/30/18

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	17000	8.66	2.34	
7440-36-0	Antimony, Total	0.364	4.33	0.329	J
7440-38-2	Arsenic, Total	ND	0.866	0.180	U
7440-39-3	Barium, Total	273	0.866	0.151	
7440-41-7	Beryllium, Total	0.268	0.433	0.029	J
7440-43-9	Cadmium, Total	0.476	0.866	0.085	J
7440-70-2	Calcium, Total	4800	8.66	3.03	
7440-47-3	Chromium, Total	65.1	0.866	0.083	
7440-48-4	Cobalt, Total	17.8	1.73	0.144	
7440-50-8	Copper, Total	42.6	0.866	0.224	
7439-89-6	Iron, Total	23600	4.33	0.782	
7439-92-1	Lead, Total	8.92	4.33	0.232	
7439-95-4	Magnesium, Total	10800	8.66	1.33	
7439-96-5	Manganese, Total	427	0.866	0.138	
7440-02-0	Nickel, Total	57.1	2.17	0.210	
7440-09-7	Potassium, Total	6980	217	12.5	
7782-49-2	Selenium, Total	1.08	1.73	0.224	J
7440-22-4	Silver, Total	ND	0.866	0.245	U
7440-23-5	Sodium, Total	283	173	2.73	
7440-28-0	Thallium, Total	ND	1.73	0.273	U
7440-62-2	Vanadium, Total	45.1	0.866	0.176	
7440-66-6	Zinc, Total	42.9	4.33	0.254	



Form 1 METALS

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-15
 Client ID : S1-N (0.5-1.5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,7471B
 Lab File ID : WG1121042
 Sample Amount : 0.397g
 Digestion Method : EPA 7471B

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 14:07
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 15:40
 Dilution Factor : 1
 Analyst : BV
 Instrument ID : FIMS4
 %Solids : 92
 Date Digested : 05/30/18

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.069	0.015	U



Form 1 METALS

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-18
 Client ID : S1-W (0-1)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,6010C
 Lab File ID : WG1120469.pdf
 Sample Amount : 1.265g
 Digestion Method : EPA 3050B

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 13:22
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 01:46
 Dilution Factor : 2
 Analyst : AB
 Instrument ID : TRACE4
 %Solids : 86
 Date Digested : 05/30/18

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	4890	9.24	2.50	
7440-36-0	Antimony, Total	0.573	4.62	0.351	J
7440-38-2	Arsenic, Total	5.44	0.924	0.192	
7440-39-3	Barium, Total	190	0.924	0.161	
7440-41-7	Beryllium, Total	0.370	0.462	0.031	J
7440-43-9	Cadmium, Total	0.472	0.924	0.091	J
7440-70-2	Calcium, Total	8120	9.24	3.24	
7440-47-3	Chromium, Total	11.1	0.924	0.089	
7440-48-4	Cobalt, Total	6.85	1.85	0.153	
7440-50-8	Copper, Total	41.3	0.924	0.238	
7439-89-6	Iron, Total	13000	4.62	0.835	
7439-92-1	Lead, Total	56.6	4.62	0.248	
7439-95-4	Magnesium, Total	3390	9.24	1.42	
7439-96-5	Manganese, Total	149	0.924	0.147	
7440-02-0	Nickel, Total	15.7	2.31	0.224	
7440-09-7	Potassium, Total	1570	231	13.3	
7782-49-2	Selenium, Total	1.28	1.85	0.238	J
7440-22-4	Silver, Total	ND	0.924	0.262	U
7440-23-5	Sodium, Total	206	185	2.91	
7440-28-0	Thallium, Total	0.324	1.85	0.291	J
7440-62-2	Vanadium, Total	36.8	0.924	0.188	
7440-66-6	Zinc, Total	90.0	4.62	0.271	



Form 1 METALS

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-18
 Client ID : S1-W (0-1)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,7471B
 Lab File ID : WG1121042
 Sample Amount : 0.387g
 Digestion Method : EPA 7471B

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 13:22
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 15:42
 Dilution Factor : 1
 Analyst : BV
 Instrument ID : FIMS4
 %Solids : 86
 Date Digested : 05/30/18

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	0.064	0.076	0.016	J



Form 1 METALS

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-16
 Client ID : FIELD BLANK
 Sample Location : BRONX, NY
 Sample Matrix : WATER
 Analytical Method : 1,6010C
 Lab File ID : WG1120949.pdf
 Sample Amount : 50ml
 Digestion Method : EPA 3005A

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 16:00
 Date Received : 05/24/18
 Date Analyzed : 05/31/18 15:31
 Dilution Factor : 1
 Analyst : LC
 Instrument ID : TRACE7
 %Solids : N/A
 Date Digested : 05/31/18

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	ND	0.100	0.032	U
7440-36-0	Antimony, Total	0.031	0.050	0.007	J
7440-38-2	Arsenic, Total	ND	0.005	0.002	U
7440-39-3	Barium, Total	0.003	0.010	0.002	J
7440-41-7	Beryllium, Total	ND	0.005	0.001	U
7440-43-9	Cadmium, Total	ND	0.005	0.001	U
7440-70-2	Calcium, Total	0.074	0.100	0.035	J
7440-47-3	Chromium, Total	ND	0.010	0.002	U
7440-48-4	Cobalt, Total	ND	0.020	0.002	U
7440-50-8	Copper, Total	ND	0.010	0.002	U
7439-89-6	Iron, Total	0.012	0.050	0.009	J
7439-92-1	Lead, Total	ND	0.010	0.003	U
7439-95-4	Magnesium, Total	ND	0.100	0.015	U
7439-96-5	Manganese, Total	ND	0.010	0.002	U
7440-02-0	Nickel, Total	ND	0.025	0.002	U
7440-09-7	Potassium, Total	ND	2.50	0.237	U
7782-49-2	Selenium, Total	ND	0.010	0.004	U
7440-22-4	Silver, Total	ND	0.007	0.003	U
7440-23-5	Sodium, Total	ND	2.00	0.120	U
7440-28-0	Thallium, Total	ND	0.020	0.003	U
7440-62-2	Vanadium, Total	ND	0.010	0.002	U
7440-66-6	Zinc, Total	ND	0.050	0.002	U



Form 1 METALS

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-16
 Client ID : FIELD BLANK
 Sample Location : BRONX, NY
 Sample Matrix : WATER
 Analytical Method : 1,7470A
 Lab File ID : WG1120360.pdf
 Sample Amount : 25ml
 Digestion Method : EPA 7470A

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 16:00
 Date Received : 05/24/18
 Date Analyzed : 05/29/18 21:14
 Dilution Factor : 1
 Analyst : EA
 Instrument ID : CETAC
 %Solids : N/A
 Date Digested : 05/25/18

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.00020	0.00006	U



Form 1 WETCHEM

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-01
 Client ID : SB-5 (1-2)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,9010C/9012B
 Lab File ID : OM_5-29-2018_01-24-02PM.c
 Sample Amount : 1.0747g
 Digestion Method :

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 09:55
 Date Received : 05/24/18
 Date Analyzed : 05/29/18 13:40
 Dilution Factor : 1
 Analyst : ML
 Instrument ID : LACHAT
 %Solids : 87
 Date Digested : 05/26/18

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
57-12-5	Cyanide, Total	ND	1.1	0.23	U



Form 1 WETCHEM

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-02
 Client ID : SB-5 (15-17)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,9010C/9012B
 Lab File ID : OM_5-29-2018_01-24-02PM.c
 Sample Amount : 1.0361g
 Digestion Method :

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 10:00
 Date Received : 05/24/18
 Date Analyzed : 05/29/18 13:41
 Dilution Factor : 1
 Analyst : ML
 Instrument ID : LACHAT
 %Solids : 90
 Date Digested : 05/26/18

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
57-12-5	Cyanide, Total	ND	1.1	0.23	U



Form 1 WETCHEM

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-03
 Client ID : SB-2 (1-5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,9010C/9012B
 Lab File ID : OM_5-29-2018_01-24-02PM.c
 Sample Amount : 1.056g
 Digestion Method :

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 10:45
 Date Received : 05/24/18
 Date Analyzed : 05/29/18 13:42
 Dilution Factor : 1
 Analyst : ML
 Instrument ID : LACHAT
 %Solids : 85
 Date Digested : 05/26/18

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
57-12-5	Cyanide, Total	ND	1.1	0.24	U



Form 1 WETCHEM

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-04
 Client ID : SB-2 (13-14)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,9010C/9012B
 Lab File ID : OM_5-29-2018_01-24-02PM.c
 Sample Amount : 1.0816g
 Digestion Method :

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 11:05
 Date Received : 05/24/18
 Date Analyzed : 05/29/18 13:43
 Dilution Factor : 1
 Analyst : ML
 Instrument ID : LACHAT
 %Solids : 79
 Date Digested : 05/26/18

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
57-12-5	Cyanide, Total	ND	1.2	0.25	U



Form 1 WETCHEM

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-05
 Client ID : SB-3 (15-16)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,9010C/9012B
 Lab File ID : OM_5-29-2018_01-24-02PM.c
 Sample Amount : 1.0423g
 Digestion Method :

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 12:05
 Date Received : 05/24/18
 Date Analyzed : 05/29/18 13:44
 Dilution Factor : 1
 Analyst : ML
 Instrument ID : LACHAT
 %Solids : 86
 Date Digested : 05/26/18

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
57-12-5	Cyanide, Total	ND	1.1	0.24	U



Form 1 WETCHEM

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-06
 Client ID : SB-3 (1-5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,9010C/9012B
 Lab File ID : OM_5-29-2018_01-24-02PM.c
 Sample Amount : 1.0105g
 Digestion Method :

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 12:00
 Date Received : 05/24/18
 Date Analyzed : 05/29/18 13:45
 Dilution Factor : 1
 Analyst : ML
 Instrument ID : LACHAT
 %Solids : 84
 Date Digested : 05/26/18

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
57-12-5	Cyanide, Total	ND	1.2	0.25	U



Form 1 WETCHEM

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-07
 Client ID : SB-1 (1-5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,9010C/9012B
 Lab File ID : OM_5-29-2018_01-24-02PM.c
 Sample Amount : 1.0643g
 Digestion Method :

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 14:05
 Date Received : 05/24/18
 Date Analyzed : 05/29/18 13:46
 Dilution Factor : 1
 Analyst : ML
 Instrument ID : LACHAT
 %Solids : 87
 Date Digested : 05/26/18

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
57-12-5	Cyanide, Total	ND	1.1	0.23	U



Form 1 WETCHEM

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-08
 Client ID : SB-1 (20-21)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,9010C/9012B
 Lab File ID : OM_5-29-2018_01-24-02PM.c
 Sample Amount : 1.0472g
 Digestion Method :

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 14:50
 Date Received : 05/24/18
 Date Analyzed : 05/29/18 13:47
 Dilution Factor : 1
 Analyst : ML
 Instrument ID : LACHAT
 %Solids : 82
 Date Digested : 05/26/18

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
57-12-5	Cyanide, Total	ND	1.2	0.25	U



Form 1 WETCHEM

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-09
 Client ID : SB-1 (20-21) DUP
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,9010C/9012B
 Lab File ID : OM_5-29-2018_01-24-02PM.c
 Sample Amount : 1.0161g
 Digestion Method :

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 14:55
 Date Received : 05/24/18
 Date Analyzed : 05/29/18 13:54
 Dilution Factor : 1
 Analyst : ML
 Instrument ID : LACHAT
 %Solids : 81
 Date Digested : 05/26/18

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
57-12-5	Cyanide, Total	ND	1.2	0.26	U



Form 1 WETCHEM

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-10
 Client ID : SB-4 (0-5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,9010C/9012B
 Lab File ID : OM_5-29-2018_01-24-02PM.c
 Sample Amount : 1.0583g
 Digestion Method :

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 15:25
 Date Received : 05/24/18
 Date Analyzed : 05/29/18 13:55
 Dilution Factor : 1
 Analyst : ML
 Instrument ID : LACHAT
 %Solids : 88
 Date Digested : 05/26/18

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
57-12-5	Cyanide, Total	ND	1.1	0.23	U



Form 1 WETCHEM

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-11
 Client ID : SB-4 (18-20)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,9010C/9012B
 Lab File ID : OM_5-29-2018_01-24-02PM.c
 Sample Amount : 1.0479g
 Digestion Method :

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 15:50
 Date Received : 05/24/18
 Date Analyzed : 05/29/18 13:56
 Dilution Factor : 1
 Analyst : ML
 Instrument ID : LACHAT
 %Solids : 90
 Date Digested : 05/26/18

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
57-12-5	Cyanide, Total	ND	1.1	0.22	U



Form 1 WETCHEM

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-12
 Client ID : S1-S (0-0.5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,9010C/9012B
 Lab File ID : OM_5-29-2018_01-24-02PM.c
 Sample Amount : 1.0435g
 Digestion Method :

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 13:36
 Date Received : 05/24/18
 Date Analyzed : 05/29/18 14:00
 Dilution Factor : 1
 Analyst : ML
 Instrument ID : LACHAT
 %Solids : 87
 Date Digested : 05/26/18

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
57-12-5	Cyanide, Total	ND	1.1	0.23	U



Form 1 WETCHEM

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-13
 Client ID : S1-E (0-0.5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,9010C/9012B
 Lab File ID : OM_5-29-2018_01-24-02PM.c
 Sample Amount : 1.0762g
 Digestion Method :

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 13:44
 Date Received : 05/24/18
 Date Analyzed : 05/29/18 14:01
 Dilution Factor : 1
 Analyst : ML
 Instrument ID : LACHAT
 %Solids : 87
 Date Digested : 05/26/18

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
57-12-5	Cyanide, Total	ND	1.1	0.22	U



Form 1 WETCHEM

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-14
 Client ID : S1-C (0.5-1)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,9010C/9012B
 Lab File ID : OM_5-29-2018_01-24-02PM.c
 Sample Amount : 1.056g
 Digestion Method :

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 13:57
 Date Received : 05/24/18
 Date Analyzed : 05/29/18 14:04
 Dilution Factor : 1
 Analyst : ML
 Instrument ID : LACHAT
 %Solids : 93
 Date Digested : 05/26/18

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
57-12-5	Cyanide, Total	ND	1.0	0.22	U



Form 1 WETCHEM

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-15
 Client ID : S1-N (0.5-1.5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,9010C/9012B
 Lab File ID : OM_5-29-2018_01-24-02PM.c
 Sample Amount : 1.0878g
 Digestion Method :

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 14:07
 Date Received : 05/24/18
 Date Analyzed : 05/29/18 14:05
 Dilution Factor : 1
 Analyst : ML
 Instrument ID : LACHAT
 %Solids : 92
 Date Digested : 05/26/18

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
57-12-5	Cyanide, Total	ND	1.0	0.21	U



Form 1 WETCHEM

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-16
 Client ID : FIELD BLANK
 Sample Location : BRONX, NY
 Sample Matrix : WATER
 Analytical Method : 1,9010C/9012B
 Lab File ID : OM_5-29-2018_03-22-34PM.c
 Sample Amount :
 Digestion Method :

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 16:00
 Date Received : 05/24/18
 Date Analyzed : 05/29/18 15:42
 Dilution Factor : 1
 Analyst : ML
 Instrument ID : LACHAT
 %Solids : N/A
 Date Digested : 05/29/18

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
57-12-5	Cyanide, Total	ND	0.005	0.001	U



Form 1 WETCHEM

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-18
 Client ID : S1-W (0-1)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,9010C/9012B
 Lab File ID : OM_5-29-2018_01-24-02PM.c
 Sample Amount : 1.0812g
 Digestion Method :

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 13:22
 Date Received : 05/24/18
 Date Analyzed : 05/29/18 14:06
 Dilution Factor : 1
 Analyst : ML
 Instrument ID : LACHAT
 %Solids : 86
 Date Digested : 05/26/18

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
57-12-5	Cyanide, Total	ND	1.1	0.23	U



Form 1 WETCHEM

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-01
 Client ID : SB-5 (1-2)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,7196A
 Lab File ID : WG1120041.csv
 Sample Amount : 2.5465g
 Digestion Method : EPA 3060A

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 09:55
 Date Received : 05/24/18
 Date Analyzed : 05/29/18 22:30
 Dilution Factor : 1
 Analyst : AJ
 Instrument ID : GENSYS10VI
 %Solids : 87
 Date Digested : 05/25/18

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
18540-29-9	Chromium, Hexavalent	ND	0.923	0.184	U



Form 1 WETCHEM

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-02
 Client ID : SB-5 (15-17)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,7196A
 Lab File ID : WG1120041.csv
 Sample Amount : 2.4745g
 Digestion Method : EPA 3060A

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 10:00
 Date Received : 05/24/18
 Date Analyzed : 05/29/18 22:30
 Dilution Factor : 1
 Analyst : AJ
 Instrument ID : GENSYS10VI
 %Solids : 90
 Date Digested : 05/25/18

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
18540-29-9	Chromium, Hexavalent	ND	0.894	0.179	U



Form 1 WETCHEM

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-03
 Client ID : SB-2 (1-5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,7196A
 Lab File ID : WG1120041.csv
 Sample Amount : 2.5176g
 Digestion Method : EPA 3060A

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 10:45
 Date Received : 05/24/18
 Date Analyzed : 05/29/18 22:30
 Dilution Factor : 1
 Analyst : AJ
 Instrument ID : GENSYS10VI
 %Solids : 85
 Date Digested : 05/25/18

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
18540-29-9	Chromium, Hexavalent	ND	0.938	0.188	U



Form 1 WETCHEM

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-04
 Client ID : SB-2 (13-14)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,7196A
 Lab File ID : WG1120041.csv
 Sample Amount : 2.5036g
 Digestion Method : EPA 3060A

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 11:05
 Date Received : 05/24/18
 Date Analyzed : 05/29/18 22:30
 Dilution Factor : 1
 Analyst : AJ
 Instrument ID : GENSYS10VI
 %Solids : 79
 Date Digested : 05/25/18

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
18540-29-9	Chromium, Hexavalent	ND	1.02	0.203	U



Form 1 WETCHEM

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-05
 Client ID : SB-3 (15-16)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,7196A
 Lab File ID : WG1120041.csv
 Sample Amount : 2.487g
 Digestion Method : EPA 3060A

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 12:05
 Date Received : 05/24/18
 Date Analyzed : 05/29/18 22:30
 Dilution Factor : 1
 Analyst : AJ
 Instrument ID : GENSYS10VI
 %Solids : 86
 Date Digested : 05/25/18

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
18540-29-9	Chromium, Hexavalent	ND	0.927	0.185	U



Form 1 WETCHEM

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-06
 Client ID : SB-3 (1-5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,7196A
 Lab File ID : WG1120041.csv
 Sample Amount : 2.5281g
 Digestion Method : EPA 3060A

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 12:00
 Date Received : 05/24/18
 Date Analyzed : 05/29/18 22:30
 Dilution Factor : 1
 Analyst : AJ
 Instrument ID : GENSYS10VI
 %Solids : 84
 Date Digested : 05/25/18

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
18540-29-9	Chromium, Hexavalent	ND	0.950	0.190	U



Form 1 WETCHEM

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-07
 Client ID : SB-1 (1-5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,7196A
 Lab File ID : WG1120041.csv
 Sample Amount : 2.5118g
 Digestion Method : EPA 3060A

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 14:05
 Date Received : 05/24/18
 Date Analyzed : 05/29/18 22:30
 Dilution Factor : 1
 Analyst : AJ
 Instrument ID : GENSY10VI
 %Solids : 87
 Date Digested : 05/25/18

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
18540-29-9	Chromium, Hexavalent	ND	0.922	0.164	U



Form 1 WETCHEM

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-08
 Client ID : SB-1 (20-21)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,7196A
 Lab File ID : WG1120041.csv
 Sample Amount : 2.4607g
 Digestion Method : EPA 3060A

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 14:50
 Date Received : 05/24/18
 Date Analyzed : 05/29/18 22:30
 Dilution Factor : 1
 Analyst : AJ
 Instrument ID : GENSYS10VI
 %Solids : 82
 Date Digested : 05/25/18

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
18540-29-9	Chromium, Hexavalent	ND	0.977	0.195	U



Form 1 WETCHEM

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-09
 Client ID : SB-1 (20-21) DUP
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,7196A
 Lab File ID : WG1120041.csv
 Sample Amount : 2.5073g
 Digestion Method : EPA 3060A

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 14:55
 Date Received : 05/24/18
 Date Analyzed : 05/29/18 22:30
 Dilution Factor : 1
 Analyst : AJ
 Instrument ID : GENSYS10VI
 %Solids : 81
 Date Digested : 05/25/18

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
18540-29-9	Chromium, Hexavalent	ND	0.990	0.198	U



Form 1 WETCHEM

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-10
 Client ID : SB-4 (0-5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,7196A
 Lab File ID : WG1120041.csv
 Sample Amount : 2.5463g
 Digestion Method : EPA 3060A

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 15:25
 Date Received : 05/24/18
 Date Analyzed : 05/29/18 22:30
 Dilution Factor : 1
 Analyst : AJ
 Instrument ID : GENSYS10VI
 %Solids : 88
 Date Digested : 05/25/18

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
18540-29-9	Chromium, Hexavalent	ND	0.905	0.181	U



Form 1 WETCHEM

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-11
 Client ID : SB-4 (18-20)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,7196A
 Lab File ID : WG1120042.csv
 Sample Amount : 2.485g
 Digestion Method : EPA 3060A

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 15:50
 Date Received : 05/24/18
 Date Analyzed : 05/29/18 22:30
 Dilution Factor : 1
 Analyst : AJ
 Instrument ID : GENSYS10VI
 %Solids : 90
 Date Digested : 05/25/18

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
18540-29-9	Chromium, Hexavalent	ND	0.889	0.178	U UJ

for
9/17/18



Form 1 WETCHEM

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-12
 Client ID : S1-S (0-0.5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,7196A
 Lab File ID : WG1120042.csv
 Sample Amount : 2.4604g
 Digestion Method : EPA 3060A

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 13:36
 Date Received : 05/24/18
 Date Analyzed : 05/29/18 22:30
 Dilution Factor : 1
 Analyst : AJ
 Instrument ID : GENSY10VI
 %Solids : 87
 Date Digested : 05/25/18

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
18540-29-9	Chromium, Hexavalent	ND	0.920	0.164	U



Form 1 WETCHEM

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-13
 Client ID : S1-E (0-0.5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,7196A
 Lab File ID : WG1120042.csv
 Sample Amount : 2.5382g
 Digestion Method : EPA 3060A

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 13:44
 Date Received : 05/24/18
 Date Analyzed : 05/29/18 22:30
 Dilution Factor : 1
 Analyst : AJ
 Instrument ID : GENSYS10VI
 %Solids : 87
 Date Digested : 05/25/18

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
18540-29-9	Chromium, Hexavalent	ND	0.915	0.183	U



Form 1 WETCHEM

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-14
 Client ID : S1-C (0.5-1)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,7196A
 Lab File ID : WG1120042.csv
 Sample Amount : 2.4947g
 Digestion Method : EPA 3060A

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 13:57
 Date Received : 05/24/18
 Date Analyzed : 05/29/18 22:30
 Dilution Factor : 1
 Analyst : AJ
 Instrument ID : GENSYS10VI
 %Solids : 93
 Date Digested : 05/25/18

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
18540-29-9	Chromium, Hexavalent	ND	0.857	0.171	U



Form 1 WETCHEM

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-15
 Client ID : S1-N (0.5-1.5)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,7196A
 Lab File ID : WG1120042.csv
 Sample Amount : 2.5497g
 Digestion Method : EPA 3060A

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 14:07
 Date Received : 05/24/18
 Date Analyzed : 05/29/18 22:30
 Dilution Factor : 1
 Analyst : AJ
 Instrument ID : GENSYS10VI
 %Solids : 92
 Date Digested : 05/25/18

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
18540-29-9	Chromium, Hexavalent	ND	0.873	0.175	U



Form 1 WETCHEM

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-16
 Client ID : FIELD BLANK
 Sample Location : BRONX, NY
 Sample Matrix : WATER
 Analytical Method : 1,7196A
 Lab File ID : WG1119405.csv
 Sample Amount : 50
 Digestion Method :

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 16:00
 Date Received : 05/24/18
 Date Analyzed : 05/25/18 03:47
 Dilution Factor : 1
 Analyst : UN
 Instrument ID : SPEC 3
 %Solids : N/A
 Date Digested : 05/25/18

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
18540-29-9	Chromium, Hexavalent	0.007	0.010	0.003	J- J-

805
9/17/18



Form 1 WETCHEM

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1819157-18
 Client ID : S1-W (0-1)
 Sample Location : BRONX, NY
 Sample Matrix : SOIL
 Analytical Method : 1,7196A
 Lab File ID : WG1120042.csv
 Sample Amount : 2.4735g
 Digestion Method : EPA 3060A

Lab Number : L1819157
 Project Number : 2135 WESTCHESTER
 Date Collected : 05/23/18 13:22
 Date Received : 05/24/18
 Date Analyzed : 05/29/18 22:30
 Dilution Factor : 1
 Analyst : AJ
 Instrument ID : GENSY10VI
 %Solids : 86
 Date Digested : 05/25/18

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
18540-29-9	Chromium, Hexavalent	ND	0.936	0.187	U



DATA USABILITY SUMMARY REPORT (DUSR)

ORGANIC ANALYSIS

**EPA Compendium Method TO-15
LOW LEVEL VOLATILES BY GC/MS
For Soil Vapor/Ambient Air Samples
Collected July 12, 2018
From 2135 Westchester Avenue, Bronx, New York
by Tenen Environmental**

**SAMPLE DELIVERY GROUP NUMBER: L1826620
Alpha Analytical (ELAP #11148)**

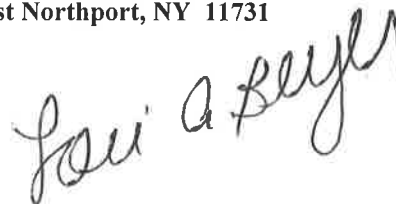
SUBMITTED TO:

**Ms. Claire Zaccheo
Tenen Environmental
121 West 27th Street, Suite 702
New York, NY 10001**

September 25, 2018

PREPARED BY:

**Lori A. Beyer/President
L.A.B. Validation Corp.
14 West Point Drive
East Northport, NY 11731**

A handwritten signature in black ink, appearing to read "Lori A. Beyer", is written over the printed name and title.

2135 Westchester Avenue, Bronx, New York; July 2018.

Data Validation Report: Volatile Organics by EPA Method TO15

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	Data Qualifier Definitions
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APPENDICES:

- A. Chain of Custody Document
- B. Case Narrative
- C. Data Summary Form Is with Qualifications

Introduction:

A validation was performed on eight (8) soil vapor air samples air and two (2) ambient air samples for Volatile Organic analysis collected by Tenen Environmental. and submitted to Alpha Analytical for subsequent analysis under chain of custody documentation. This report contains the laboratory and validation results for the ten (10) field samples itemized below. The samples were collected on July 12, 2018.

The samples were analyzed by Alpha Analytical utilizing EPA Method TO-15 and in accordance with NYSDEC Analytical Services Protocol (2005) and submitted under NYSDEC ASP Category B equivalent deliverable requirements for the associated analytical methodology employed. The analytical testing consisted of the TO-15 Compound List. Ambient Air samples were also analyzed by Selective Ion Monitoring (SIM) techniques for select chlorinated compounds to achieve NYSDOH Guidance Value reporting levels.

The data was evaluated in accordance with the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (Publication 9240.1-05), EPA SOP #HW31 (Revision 6-Updated September 2016) and in conjunction with the analytical methodology for which the samples were analyzed, where applicable and relevant.

The data validation report pertains to the following field air samples:

Sample Identification	Laboratory Identification	Sample Matrix (Air Type)	Collection Date
SV-1	L1826620-01	Soil Vapor	7/12/2018
SV-2	L1826620-02	Soil Vapor	7/12/2018
SV-4	L1826620-03	Soil Vapor	7/12/2018
SV-3	L1826620-04	Soil Vapor	7/12/2018
SB-5	L1826620-05	Soil Vapor	7/12/2018
SB-6	L1826620-06	Soil Vapor	7/12/2018
SB-7	L1826620-07	Soil Vapor	7/12/2018
SS-2	L1826620-08	Soil Vapor	7/12/2018
IA-2	L1826620-09	Ambient Air	7/12/2018
Ambient	L1826620-10	Ambient Air	7/12/2018

Data Qualifier Definitions:

The following definitions provide brief explanations of the qualifiers assigned to results in the data review process.

U - The analyte was analyzed for but was not detected above the reported sample quantitation limit.

J - The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

J+ - The result is an estimated quantity, but the result may be biased high.

J- - The result is an estimated quantity, but the result may be biased low.

NJ - The analysis indicates the presence of an analyte that has been “tentatively identified” and the associated numerical value represents its approximate concentration.

UJ - The analyte was analyzed for but not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

R - The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.

D - Analyte concentration was obtained from diluted analysis.

Sample Receipt:

The Chain of Custody document from 07/12/18 indicates that the air samples were received on 07/12/18 via laboratory courier following completion of the sampling event. Sample login notes and the chain of custody indicate that at the Validated Time of Sample Receipt (VTSR) at the laboratory no discrepancies were notated and therefore the integrity of the summa canister samples is assumed to be good.

Summa Canisters were leak tested prior to collection of each sample. Initial pressure gauge is recorded on the chain of custody and is required to be approximately 30 psi with zero air. Acceptable canister pressure was observed for these samples. All canisters pass the leak check requirements.

The data summary Form I's included in Appendix C includes all usable (qualified) and unusable (rejected) results for the samples identified above and summarize the detailed narrative section of the report. All data validation qualifications have been reported on the Form I's for ease of review and verification.

NOTE:

L.A.B. Validation Corp. believes it is appropriate to note that the data validation criteria utilized for data evaluation is different than the method requirements utilized by the laboratory. Qualified data does not necessarily mean that the laboratory was non-compliant in the analysis that was performed.

Volatile Organics by EPA Compendium Method TO-15

The following method criteria were reviewed: holding times, surrogate standards, LCS, Blanks, Laboratory Duplicate, Tunes, Calibrations, Internal Standards, Target Component Identification and Quantitation, Reported Quantitation Limits and Overall System Performance. The volatile results are valid and useable as noted on the data summary table in Appendix C and within the following text:

1.1 Holding Time

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the technical holding time is exceeded, the data may not be considered valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimates, "J". The non-detects (sample quantitation limits) are required to be flagged as estimated, "J", or unusable, "R", if the holding times are grossly exceeded.

Air samples pertaining to this SDG were performed within the method and technical required holding times of thirty (30) days from sample collection for analysis. No qualifications were required based upon holding time criteria.

1.2 Surrogate Standards

All samples are spiked with surrogate compounds prior to sample analysis to evaluate overall laboratory performance and efficiency of the analytical technique. If the measure of surrogate concentrations is outside contract specifications, qualifications are required to be applied to associated samples and analytes.

Samples were not spiked with surrogate standards. Method TO15 does not mandate the addition of surrogate standards.

1.3 Matrix Spikes (MS)/ Matrix Spike Duplicates (MSD)/Laboratory Duplicate /Field Duplicate Analysis

The MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices.

Matrix Spike/Matrix Spike Duplicate analysis was not performed on samples pertaining to this SDG.

Laboratory duplicate analysis was performed on IA-2. Acceptable precision (RPD) was observed (<25%) for all detected compounds. Validation criteria uses <50% is used as a guidance for qualifying data.

Field Duplicate analysis was not required for this sampling event. Acceptable precision for air samples is 25%. The following criteria are utilized for Field/Lab Duplicate analysis when performed:

Criteria	Detected Compounds	Non-Detected Compounds
The RPD is within the limits of 0 and 25%	No qualification	No qualification
The RPD >25%	J in the parent and duplicate samples	Not applicable
The RPD could not be calculated since the compound was only detected in either the parent of duplicate sample. However, the detected concentration was $\leq 2x$ the reporting limit	No qualification	No qualification
The RPD could not be calculated since the compound was only detected in either the parent or duplicate sample. However, the detected concentration was $> 2x$ the reporting limit.	J in the parent and duplicate sample	UJ in the parent of duplicate sample

No qualifications to the data were applied based on MS/MSD/Laboratory Duplicate and Field Duplicate analysis.

1.4 Laboratory Control Sample

The LCS data for laboratory control samples (LCS) are generated to provide information on the accuracy of the analytical method and on the laboratory performance.

The following table summarizes the LCS criteria and the data qualification guidelines for all associated field samples.

LCS	NOT QUALIFIED	J	R
% Recovery:			
Detects	70-130%	<70%, >130%	
Non-Detects	$\geq 130\%$	50-69%	<50%
Absolute RT of LCS Compounds:			
LCS Compounds in samples RT: (min)	± 0.33		≥ 0.33

Acceptable LCS was analyzed with this SDG pertaining to this sampling event. Recovery values for all spiked compounds was determined to be >70%-<130% for all reported analytes except for Benzyl Chloride which recovered high at 134%. No qualifications are required since this analyte was not detected in any of the associated field samples and high recovery does not support any potential loss of detection and/or result bias.

1.5 Blank Contamination

Quality assurance (QA) blanks; i.e. method, trip and field blanks are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field blanks measure cross-contamination of samples during field operations. Storage blanks measure cross-contamination during sample storage of the field samples and are not required for TO15 analysis. Canister blanks measure cross-contamination from the sampling media.

The following table was utilized to qualify target analyte results due to method blank contamination. The largest value from all the associated blanks is required to be utilized. The largest value from all the associated blanks is required to be utilized:

Blank Type	Blank Result	Sample Result	Action for Samples
Method, Storage, field, Trip, Instrument	Detects	Not Detected	No qualification required
	<CRQL*	<CRQL*	Report CRQL value with a U
		>= CRQL* and <2x the CRQL**	No qualification required
	>CRQL*	<= CRQL*	Report CRQL value with a U
		>=CRQL* and <= blank concentration	Report blank value for sample concentration with a U
		>= CRQL* and > blank concentration	No qualification required
	=CRQL*	<= CRQL*	Report CRQL value with a U
		>CRQL*	No qualification required
	Gross Contamination**	Detects	Report blank value for sample concentration with a U

*2x the CRQL for methylene chloride, 2-butanone and acetone.

**4x the CRQL for methylene chloride, 2-butanone, and acetone

***Qualifications based on instrument blank results affect only the sample analyzed immediately after the sample that has target compounds that exceed the calibration range or non-target compounds that exceed 100 ug/L.

Below is a summary of the compounds in the sample and the associated qualifications that have been applied:

The table below is utilized to qualify samples with target compound results also present in certification blanks:

Certification Contamination	Sample Result	Action for Sample
>=detect limit	>5x certification contamination	No qualification required
>=detect limit	<detect limit	Detection limit "U"
>=detect limit	>=detect limit and <= 5x certification contamination level	5x certification contamination "U"
<detect limit	<=detection limit and >= detection limit	No qualification

Below is a summary of the compounds in the sample and the associated qualifications that have been applied:

A) Method Blank Contamination:

Method and Canister blanks were determined to be free of any contamination.

**Acetone was detected in all samples including the Ambient Air samples. The end user should proceed with caution when making decisions based on Acetone and 2-Butanone detections since this is a common solvent utilized in the organic extraction laboratory. The laboratory reported concentrations in soil vapor samples was significantly higher than Ambient Air sample results.*

B) Field Blank Contamination:

A Field Blank was not required.

C) Trip Blank Contamination:

A Trip Blank analysis was not required.

1.6 GC/MS Instrument Performance Check

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some

degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The Tuning standard for volatile organics is Bromofluorobenzene (BFB).

Instrument performance was generated within acceptable limits and frequency (24 hours) for Bromofluorobenzene (BFB) for all analyses conducted for this SDG.

1.7 Initial and Continuing Calibrations

Satisfactory instrument calibration is established to ensure that the instrument can produce acceptable quantitative data. An initial calibration demonstrates that the instrument can give acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:

The response factor measures the instrument's response to specific chemical compounds. The response factor for all compounds must be ≥ 0.05 in both initial and continuing calibrations. A value < 0.05 indicates a serious detection and quantitation problem (poor sensitivity). Analytes detected in the sample will be qualified as estimated, "J". All non-detects for that compound in the corresponding samples will be rejected, "R".

The following compounds can be > 0.01 without qualification:

2-Butanone
Carbon Disulfide
Chloroethane
Chloromethane
1,2-Dibromoethane
1,2-Dichloropropane
1,4-Dioxane
1,2-Dibromo-3-chloropropane
Methylene Chloride

All the response factors for the target analytes reported were found to be within acceptable limits (≥ 0.05) [or ≥ 0.01 for the 9 compounds above] and remaining analytes, for the initial and continuing calibrations.

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentrations. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration. Percent D is a measure of the instrument's daily performance. Percent RSD must be <30% and %D must be <30%. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and non-detects are flagged "UJ". If %RSD and %D grossly exceed QC criteria (>90%), non-detect data may be qualified, "R", unusable. Additionally, in cases where the %RSD is >30% and eliminating either the high or the low point of the curve does not restore the %RSD to less than or equal to 30% then positive results are qualified, "J". In cases where removal of either the low or high point restores the linearity, then only low or high-level results will be qualified, "J" in the portion of the curve where non-linearity exists. Acceptable ICV was analyzed.

Initial Calibrations: The initial calibrations provided and the %RSD was within acceptable limits (30%) and (40%) for poor responders for all requested target compounds except for Benzyl Chloride (33.5%). Non-detects in all samples have been qualified, "UJ." Initial calibration verification standard also met QC requirements.

Continuing Calibrations: The continuing calibrations provided and the %D was within acceptable limits (30%) and (40%) for poor responders for all reported compounds except for Benzyl Chloride (34.4%). No additional qualifications are required since results were previously qualified based on ICAL %RSD.

1.8 Internal Standards

Internal Standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must not vary by more than a factor of 2 (-40% to +40%) from the associated continuing calibration standard. The retention time of the internal standard must not vary more than +/- 20 seconds from the associated continuing calibration standard. If the area count is outside the (-40% to +40%) range of the associated standard, all positive results for compounds quantitated using

that IS are qualified as estimated, "J", and all non-detects as "UJ", or "R" if there is a severe loss of sensitivity.

If an internal standard retention time varies by more than 20 seconds, professional judgment will be used to determine either partial or total rejection of the data for that sample fraction.

Internal Standard area responses met QC requirements for all analysis pertaining to this data set as compared to the continuing calibration.

1.9 Target Compound List Identification

TCL compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within ± 0.06 RRT units of the standard compound and have an ion spectrum which has a ratio of the primary and secondary m/e intensities within 20% of that in the standard compound.

GC/MS spectra met the qualitative criteria for identification. All retention times were within required specifications.

1.10 Tentatively Identified Compounds (TICs)

TICs were not required for this project. When submitted, the identification must be considered tentative (both quantitative and qualitative) due to the lack of required compound specific response factors. Consequently, all concentrations should be considered estimated, "J" and because of the qualitative uncertainty should be qualified, "N" where an identification has been made.

TICs were not required with this data set.

1.11 Compound Quantification and Reported Detection Limits

GC/MS quantitative analysis are acceptable. Correct internal standards and response factors and air volumes were used to calculate final concentrations.

Sample results have been presented in ug/m3 as well as ppbv on the laboratory reporting forms. Samples IA-2 and Ambient were

also analyzed by SIM (Selective Ion Monitoring) for select chlorinated compounds to achieve required NYSDOH action levels.

Samples were analyzed at various dilutions as notated on the Form I's. The laboratory reported dilutions were verified with raw data and instrument run logs. The laboratory narrative indicates that Acetone should be considered estimated in IA-2 and Ambient samples due to non-target coelution. Review of the raw data demonstrates minimal interference and mass spectrum that meets the qualitative criteria for identification. Data was not qualified based on this notation by the laboratory.

1.12 Overall System Performance

GC/MS analytical methodology was acceptable for this analysis. The data reported agrees with the raw data provided in the final report. The laboratory provided a complete data package and reported all data using acceptable protocols and laboratory qualifiers as defined in the report package.

Reviewer's Signature Paul A. Bely Date 09/25/2018

Appendix A
Chain of Custody

AIR ANALYSIS

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

PAGE OF

Date Rec'd in Lab:

ALPHA Job #: 1826620

Client Information

Client: Texas FW

Address:

Phone:

4

Email: mcattill@tiscali.com

These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments:

Project-Specific	Target Compound List	Target Compound List

Project Information

Project Name: 7135 / Westchester

Project Location: Stock

Project #: 2135 Westchester

Project Manager: Mr. J. Smith

ALPHA Quote #.

Turn-Around Time

Standard

Date Due:

Time:

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I O - Flow Controller	TO-15	TO-15 S/S	APH S/S	Fixed G	Sulfides &	Sample Comments (I.e. PID)
6620-01	SV-1	9/7/18	07:19	15:08	30.01	4.54	SV	CZ	2A	553	0437	X					
-02	SV-2		07:29	15:29	30.05	5.02				241	0340	X					
-03	SV-4		07:40	15:12	30.33	1.50				345	0951	X					
-04	SV-3		07:45	15:45	30.26	8.56				1739	0948	X					
-05	SV-5		07:50	15:48	30.12	4.93				2209	0959	X					
-06	SV-6		07:55	16:00	30.29	10.93				414	0904	X					
-07	SV-7		08:00	16:03	30.29	4.18				457	0341	X					
-08	SS-Z		07:06	15:06	30.13	6.55	T			172	0107	X					
-09	IA-Z		07:03	14:50	29.91	4.73	AA			2200	0406	X					
-10	Ambient		06:59	14:46	29.94	1.62	DA			460	0342	X					

*SAMPLE MATRIX CODES

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

Reinforced By-

Refringibility By:

Date/Time

Received By:

Date/Time:

Container Type

8

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.



Sample Delivery Group Summary

Alpha Job Number : L1826620

Received : 12-JUL-2018

Reviewer : Kim L. Bailey

Account Name : Tenen Environmental, LLC

Project Number : 2133 WESTCHESTER

Project Name : 2135 WESTCHESTER

Delivery Information

Samples Delivered By : Alpha Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
N/A	Absent/			

Condition Information

All samples on COC received?	YES
Extra samples received?	NO
Are there any sample container discrepancies?	NO
Are there any discrepancies between sample labels & COC?	NO
Are samples in appropriate containers for requested analysis?	YES
Are samples properly preserved for requested analysis?	YES
Are samples within holding time for requested analysis?	YES
All sampling equipment returned?	YES

Volatile Organics/VPH

Reagent Water Vials Frozen by Client?	NA
---------------------------------------	----

Appendix B
Case Narrative

Project Name: 2135 WESTCHESTER
Project Number: 2133 WESTCHESTER

Lab Number: L1826620
Report Date: 07/19/18

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. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated 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.

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 table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

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 Client Service Representative 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 Client Services at 800-624-9220 with any questions.



Project Name: 2135 WESTCHESTER
Project Number: 2133 WESTCHESTER

Lab Number: L1826620
Report Date: 07/19/18

Case Narrative (continued)

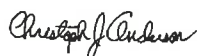
Volatile Organics in Air

Canisters were released from the laboratory on July 12, 2018. The canister certification results are provided as an addendum.

L1826620-01 through -08: The samples have elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in these samples.

L1826620-09 and -10 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: 

Report Date: 07/19/18

Title: Technical Director/Representative

John B. 9/12/18

**Appendix C
Data Summary
Form I's
With Qualifications**

Form 1

Volatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1826620-01D
 Client ID : SV-1
 Sample Location : BRONX
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R172894
 Sample Amount : 125 ml

Lab Number : L1826620
 Project Number : 2133 WESTCHESTER
 Date Collected : 07/12/18 15:08
 Date Received : 07/12/18
 Date Analyzed : 07/16/18 21:45
 Dilution Factor : 2
 Analyst : GJ
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.414	0.400	--	2.05	1.98	--	
74-87-3	Chloromethane	1.75	0.400	--	3.61	0.826	--	
76-14-2	Freon-114	ND	0.400	--	ND	2.80	--	U
75-01-4	Vinyl chloride	ND	0.400	--	ND	1.02	--	U
106-99-0	1,3-Butadiene	ND	0.400	--	ND	0.885	--	U
74-83-9	Bromomethane	ND	0.400	--	ND	1.55	--	U
75-00-3	Chloroethane	ND	0.400	--	ND	1.06	--	U
64-17-5	Ethanol	166	10.0	--	313	18.8	--	
593-60-2	Vinyl bromide	ND	0.400	--	ND	1.75	--	U
67-64-1	Acetone	330	2.00	--	784	4.75	--	
75-69-4	Trichlorofluoromethane	ND	0.400	--	ND	2.25	--	U
67-63-0	Isopropanol	6.08	1.00	--	14.9	2.46	--	
75-35-4	1,1-Dichloroethene	ND	0.400	--	ND	1.59	--	U
75-65-0	Tertiary butyl Alcohol	32.4	1.00	--	98.2	3.03	--	
75-09-2	Methylene chloride	ND	1.00	--	ND	3.47	--	U
107-05-1	3-Chloropropene	ND	0.400	--	ND	1.25	--	U
75-15-0	Carbon disulfide	3.72	0.400	--	11.6	1.25	--	
76-13-1	Freon-113	ND	0.400	--	ND	3.07	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--	U
75-34-3	1,1-Dichloroethane	ND	0.400	--	ND	1.62	--	U
1634-04-4	Methyl tert butyl ether	ND	0.400	--	ND	1.44	--	U
78-93-3	2-Butanone	34.6	1.00	--	102	2.95	--	
156-59-2	cis-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--	U
141-78-6	Ethyl Acetate	ND	1.00	--	ND	3.60	--	U
67-66-3	Chloroform	ND	0.400	--	ND	1.95	--	U
109-99-9	Tetrahydrofuran	ND	1.00	--	ND	2.95	--	U
107-06-2	1,2-Dichloroethane	ND	0.400	--	ND	1.62	--	U
110-54-3	n-Hexane	0.650	0.400	--	2.29	1.41	--	

John
 9/24/18



Form 1

Volatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1826620-01D
 Client ID : SV-1
 Sample Location : BRONX
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R172894
 Sample Amount : 125 ml

Lab Number : L1826620
 Project Number : 2133 WESTCHESTER
 Date Collected : 07/12/18 15:08
 Date Received : 07/12/18
 Date Analyzed : 07/16/18 21:45
 Dilution Factor : 2
 Analyst : GJ
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	Results	ppbV		Results	ug/m3		Qualifier
			RL	MDL		RL	MDL	
71-55-6	1,1,1-Trichloroethane	ND	0.400	--	ND	2.18	--	U
71-43-2	Benzene	5.05	0.400	--	16.1	1.28	--	
56-23-5	Carbon tetrachloride	ND	0.400	--	ND	2.52	--	U
110-82-7	Cyclohexane	ND	0.400	--	ND	1.38	--	U
78-87-5	1,2-Dichloropropane	ND	0.400	--	ND	1.85	--	U
75-27-4	Bromodichloromethane	ND	0.400	--	ND	2.68	--	U
123-91-1	1,4-Dioxane	ND	0.400	--	ND	1.44	--	U
79-01-6	Trichloroethene	0.566	0.400	--	3.04	2.15	--	
540-84-1	2,2,4-Trimethylpentane	ND	0.400	--	ND	1.87	--	U
142-82-5	Heptane	0.614	0.400	--	2.52	1.64	--	
10061-01-5	cis-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--	U
108-10-1	4-Methyl-2-pentanone	1.02	1.00	--	4.18	4.10	--	
10061-02-6	trans-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.400	--	ND	2.18	--	U
108-88-3	Toluene	1.25	0.400	--	4.71	1.51	--	
591-78-6	2-Hexanone	4.65	0.400	--	19.1	1.64	--	
124-48-1	Dibromochloromethane	ND	0.400	--	ND	3.41	--	U
106-93-4	1,2-Dibromoethane	ND	0.400	--	ND	3.07	--	U
127-18-4	Tetrachloroethene	ND	0.400	--	ND	2.71	--	U
108-90-7	Chlorobenzene	ND	0.400	--	ND	1.84	--	U
100-41-4	Ethylbenzene	ND	0.400	--	ND	1.74	--	U
179601-23-1	p/m-Xylene	ND	0.800	--	ND	3.47	--	U
75-25-2	Bromoform	ND	0.400	--	ND	4.14	--	U
100-42-5	Styrene	ND	0.400	--	ND	1.70	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.400	--	ND	2.75	--	U
95-47-6	o-Xylene	ND	0.400	--	ND	1.74	--	U
622-96-8	4-Ethyltoluene	ND	0.400	--	ND	1.97	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.400	--	ND	1.97	--	U

John
 9/20/18



Form 1 Volatile Organics

Client : Tenen Environmental, LLC
Project Name : 2135 WESTCHESTER
Lab ID : L1826620-01D
Client ID : SV-1
Sample Location : BRONX
Sample Matrix : SOIL_VAPOR
Analytical Method : 48,TO-15
Lab File ID : R172894
Sample Amount : 125 ml

Lab Number : L1826620
Project Number : 2133 WESTCHESTER
Date Collected : 07/12/18 15:08
Date Received : 07/12/18
Date Analyzed : 07/16/18 21:45
Dilution Factor : 2
Analyst : GJ
Instrument ID : AIRLAB17
GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
95-63-6	1,2,4-Trimethylbenzene	ND	0.400	--	ND	1.97	--	U
100-44-7	Benzyl chloride	ND	0.400	--	ND	2.07	--	U UJ
541-73-1	1,3-Dichlorobenzene	ND	0.400	--	ND	2.40	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.400	--	ND	2.40	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.400	--	ND	2.40	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.400	--	ND	2.97	--	U
87-68-3	Hexachlorobutadiene	ND	0.400	--	ND	4.27	--	U

80M
9/24/18


Form 1

Volatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1826620-02D
 Client ID : SV-2
 Sample Location : BRONX
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R172895
 Sample Amount : 50.0 ml

Lab Number : L1826620
 Project Number : 2133 WESTCHESTER
 Date Collected : 07/12/18 15:29
 Date Received : 07/12/18
 Date Analyzed : 07/16/18 22:20
 Dilution Factor : 5
 Analyst : GJ
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	ND	1.00	--	ND	4.94	--	U
74-87-3	Chloromethane	ND	1.00	--	ND	2.07	--	U
76-14-2	Freon-114	ND	1.00	--	ND	6.99	--	U
75-01-4	Vinyl chloride	ND	1.00	--	ND	2.56	--	U
106-99-0	1,3-Butadiene	ND	1.00	--	ND	2.21	--	U
74-83-9	Bromomethane	ND	1.00	--	ND	3.88	--	U
75-00-3	Chloroethane	ND	1.00	--	ND	2.64	--	U
64-17-5	Ethanol	233	25.0	--	439	47.1	--	
593-60-2	Vinyl bromide	ND	1.00	--	ND	4.37	--	U
67-64-1	Acetone	146	5.00	--	347	11.9	--	
75-69-4	Trichlorofluoromethane	ND	1.00	--	ND	5.62	--	U
67-63-0	Isopropanol	3.08	2.50	--	7.57	6.15	--	
75-35-4	1,1-Dichloroethene	ND	1.00	--	ND	3.96	--	U
75-65-0	Tertiary butyl Alcohol	13.2	2.50	--	40.0	7.58	--	
75-09-2	Methylene chloride	ND	2.50	--	ND	8.69	--	U
107-05-1	3-Chloropropene	ND	1.00	--	ND	3.13	--	U
75-15-0	Carbon disulfide	1.52	1.00	--	4.73	3.11	--	
76-13-1	Freon-113	ND	1.00	--	ND	7.66	--	U
156-60-5	trans-1,2-Dichloroethene	ND	1.00	--	ND	3.96	--	U
75-34-3	1,1-Dichloroethane	ND	1.00	--	ND	4.05	--	U
1634-04-4	Methyl tert butyl ether	ND	1.00	--	ND	3.61	--	U
78-93-3	2-Butanone	68.6	2.50	--	202	7.37	--	
156-59-2	cis-1,2-Dichloroethene	ND	1.00	--	ND	3.96	--	U
141-78-6	Ethyl Acetate	ND	2.50	--	ND	9.01	--	U
67-66-3	Chloroform	ND	1.00	--	ND	4.88	--	U
109-99-9	Tetrahydrofuran	ND	2.50	--	ND	7.37	--	U
107-06-2	1,2-Dichloroethane	ND	1.00	--	ND	4.05	--	U
110-54-3	n-Hexane	ND	1.00	--	ND	3.52	--	U

Signature
 9/24/18



Form 1

Volatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1826620-02D
 Client ID : SV-2
 Sample Location : BRONX
 Sample Matrix : SOIL VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R172895
 Sample Amount : 50.0 ml

Lab Number : L1826620
 Project Number : 2133 WESTCHESTER
 Date Collected : 07/12/18 15:29
 Date Received : 07/12/18
 Date Analyzed : 07/16/18 22:20
 Dilution Factor : 5
 Analyst : GJ
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
71-55-6	1,1,1-Trichloroethane	ND	1.00	--	ND	5.46	--	U
71-43-2	Benzene	3.04	1.00	--	9.71	3.19	--	
56-23-5	Carbon tetrachloride	ND	1.00	--	ND	6.29	--	U
110-82-7	Cyclohexane	ND	1.00	--	ND	3.44	--	U
78-87-5	1,2-Dichloropropane	ND	1.00	--	ND	4.62	--	U
75-27-4	Bromodichloromethane	ND	1.00	--	ND	6.70	--	U
123-91-1	1,4-Dioxane	ND	1.00	--	ND	3.60	--	U
79-01-6	Trichloroethene	ND	1.00	--	ND	5.37	--	U
540-84-1	2,2,4-Trimethylpentane	ND	1.00	--	ND	4.67	--	U
142-82-5	Heptane	ND	1.00	--	ND	4.10	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.00	--	ND	4.54	--	U
108-10-1	4-Methyl-2-pentanone	ND	2.50	--	ND	10.2	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.00	--	ND	4.54	--	U
79-00-5	1,1,2-Trichloroethane	ND	1.00	--	ND	5.46	--	U
108-88-3	Toluene	1.08	1.00	--	4.07	3.77	--	
591-78-6	2-Hexanone	3.15	1.00	--	12.9	4.10	--	
124-48-1	Dibromochloromethane	ND	1.00	--	ND	8.52	--	U
106-93-4	1,2-Dibromoethane	ND	1.00	--	ND	7.69	--	U
127-18-4	Tetrachloroethene	ND	1.00	--	ND	6.78	--	U
108-90-7	Chlorobenzene	ND	1.00	--	ND	4.61	--	U
100-41-4	Ethylbenzene	ND	1.00	--	ND	4.34	--	U
179601-23-1	p/m-Xylene	ND	2.00	--	ND	8.69	--	U
75-25-2	Bromoform	ND	1.00	--	ND	10.3	--	U
100-42-5	Styrene	ND	1.00	--	ND	4.26	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.00	--	ND	6.87	--	U
95-47-6	o-Xylene	ND	1.00	--	ND	4.34	--	U
622-96-8	4-Ethyltoluene	ND	1.00	--	ND	4.92	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	1.00	--	ND	4.92	--	U

Form 1

Volatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1826620-02D
 Client ID : SV-2
 Sample Location : BRONX
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R172895
 Sample Amount : 50.0 ml

Lab Number : L1826620
 Project Number : 2133 WESTCHESTER
 Date Collected : 07/12/18 15:29
 Date Received : 07/12/18
 Date Analyzed : 07/16/18 22:20
 Dilution Factor : 5
 Analyst : GJ
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
95-63-6	1,2,4-Trimethylbenzene	ND	1.00	--	ND	4.92	--	U
100-44-7	Benzyl chloride	ND	1.00	--	ND	5.18	--	U UJ
541-73-1	1,3-Dichlorobenzene	ND	1.00	--	ND	6.01	--	U
106-46-7	1,4-Dichlorobenzene	ND	1.00	--	ND	6.01	--	U
95-50-1	1,2-Dichlorobenzene	ND	1.00	--	ND	6.01	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.00	--	ND	7.42	--	U
87-68-3	Hexachlorobutadiene	ND	1.00	--	ND	10.7	--	U

for
 9/24/18



Form 1

Volatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1826620-03D
 Client ID : SV-4
 Sample Location : BRONX
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R172896
 Sample Amount : 50.0 ml

Lab Number : L1826620
 Project Number : 2133 WESTCHESTER
 Date Collected : 07/12/18 15:12
 Date Received : 07/12/18
 Date Analyzed : 07/16/18 22:55
 Dilution Factor : 5
 Analyst : GJ
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	ND	1.00	--	ND	4.94	--	U
74-87-3	Chloromethane	ND	1.00	--	ND	2.07	--	U
76-14-2	Freon-114	ND	1.00	--	ND	6.99	--	U
75-01-4	Vinyl chloride	ND	1.00	--	ND	2.56	--	U
106-99-0	1,3-Butadiene	ND	1.00	--	ND	2.21	--	U
74-83-9	Bromomethane	ND	1.00	--	ND	3.88	--	U
75-00-3	Chloroethane	ND	1.00	--	ND	2.64	--	U
64-17-5	Ethanol	34.8	25.0	--	65.6	47.1	--	
593-60-2	Vinyl bromide	ND	1.00	--	ND	4.37	--	U
67-64-1	Acetone	100	5.00	--	238	11.9	--	
75-69-4	Trichlorofluoromethane	ND	1.00	--	ND	5.62	--	U
67-63-0	Isopropanol	ND	2.50	--	ND	6.15	--	U
75-35-4	1,1-Dichloroethene	ND	1.00	--	ND	3.96	--	U
75-65-0	Tertiary butyl Alcohol	8.14	2.50	--	24.7	7.58	--	
75-09-2	Methylene chloride	ND	2.50	--	ND	8.69	--	U
107-05-1	3-Chloropropene	ND	1.00	--	ND	3.13	--	U
75-15-0	Carbon disulfide	ND	1.00	--	ND	3.11	--	U
76-13-1	Freon-113	ND	1.00	--	ND	7.66	--	U
156-60-5	trans-1,2-Dichloroethene	ND	1.00	--	ND	3.96	--	U
75-34-3	1,1-Dichloroethane	ND	1.00	--	ND	4.05	--	U
1634-04-4	Methyl tert butyl ether	ND	1.00	--	ND	3.61	--	U
78-93-3	2-Butanone	46.4	2.50	--	137	7.37	--	
156-59-2	cis-1,2-Dichloroethene	ND	1.00	--	ND	3.96	--	U
141-78-6	Ethyl Acetate	ND	2.50	--	ND	9.01	--	U
67-66-3	Chloroform	ND	1.00	--	ND	4.88	--	U
109-99-9	Tetrahydrofuran	ND	2.50	--	ND	7.37	--	U
107-06-2	1,2-Dichloroethane	ND	1.00	--	ND	4.05	--	U
110-54-3	n-Hexane	ND	1.00	--	ND	3.52	--	U

Signature
 9/24/18



Form 1

Volatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1826620-03D
 Client ID : SV-4
 Sample Location : BRONX
 Sample Matrix : SOIL VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R172896
 Sample Amount : 50.0 ml

Lab Number : L1826620
 Project Number : 2133 WESTCHESTER
 Date Collected : 07/12/18 15:12
 Date Received : 07/12/18
 Date Analyzed : 07/16/18 22:55
 Dilution Factor : 5
 Analyst : GJ
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
71-55-6	1,1,1-Trichloroethane	ND	1.00	--	ND	5.46	--	U
71-43-2	Benzene	2.03	1.00	--	6.49	3.19	--	
56-23-5	Carbon tetrachloride	ND	1.00	--	ND	6.29	--	U
110-82-7	Cyclohexane	ND	1.00	--	ND	3.44	--	U
78-87-5	1,2-Dichloropropane	ND	1.00	--	ND	4.62	--	U
75-27-4	Bromodichloromethane	ND	1.00	--	ND	6.70	--	U
123-91-1	1,4-Dioxane	ND	1.00	--	ND	3.60	--	U
79-01-6	Trichloroethene	ND	1.00	--	ND	5.37	--	U
540-84-1	2,2,4-Trimethylpentane	ND	1.00	--	ND	4.67	--	U
142-82-5	Heptane	ND	1.00	--	ND	4.10	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.00	--	ND	4.54	--	U
108-10-1	4-Methyl-2-pentanone	ND	2.50	--	ND	10.2	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.00	--	ND	4.54	--	U
79-00-5	1,1,2-Trichloroethane	ND	1.00	--	ND	5.46	--	U
108-88-3	Toluene	ND	1.00	--	ND	3.77	--	U
591-78-6	2-Hexanone	2.92	1.00	--	12.0	4.10	--	
124-48-1	Dibromochloromethane	ND	1.00	--	ND	8.52	--	U
106-93-4	1,2-Dibromoethane	ND	1.00	--	ND	7.69	--	U
127-18-4	Tetrachloroethene	ND	1.00	--	ND	6.78	--	U
108-90-7	Chlorobenzene	ND	1.00	--	ND	4.61	--	U
100-41-4	Ethylbenzene	ND	1.00	--	ND	4.34	--	U
179601-23-1	p/m-Xylene	ND	2.00	--	ND	8.69	--	U
75-25-2	Bromoform	ND	1.00	--	ND	10.3	--	U
100-42-5	Styrene	ND	1.00	--	ND	4.26	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.00	--	ND	6.87	--	U
95-47-6	o-Xylene	ND	1.00	--	ND	4.34	--	U
622-96-8	4-Ethyltoluene	ND	1.00	--	ND	4.92	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	1.00	--	ND	4.92	--	U

Handwritten signature and date: 9/24/18



Form 1

Volatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1826620-03D
 Client ID : SV-4
 Sample Location : BRONX
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R172896
 Sample Amount : 50.0 ml

Lab Number : L1826620
 Project Number : 2133 WESTCHESTER
 Date Collected : 07/12/18 15:12
 Date Received : 07/12/18
 Date Analyzed : 07/16/18 22:55
 Dilution Factor : 5
 Analyst : GJ
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
95-63-6	1,2,4-Trimethylbenzene	ND	1.00	--	ND	4.92	--	U
100-44-7	Benzyl chloride	ND	1.00	--	ND	5.18	--	U <i>UJ</i>
541-73-1	1,3-Dichlorobenzene	ND	1.00	--	ND	6.01	--	U
106-46-7	1,4-Dichlorobenzene	ND	1.00	--	ND	6.01	--	U
95-50-1	1,2-Dichlorobenzene	ND	1.00	--	ND	6.01	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.00	--	ND	7.42	--	U
87-68-3	Hexachlorobutadiene	ND	1.00	--	ND	10.7	--	U

Jan
9/24/18



Form 1

Volatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1826620-04D
 Client ID : SV-3
 Sample Location : BRONX
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R172897
 Sample Amount : 50.0 ml

Lab Number : L1826620
 Project Number : 2133 WESTCHESTER
 Date Collected : 07/12/18 15:45
 Date Received : 07/12/18
 Date Analyzed : 07/16/18 23:30
 Dilution Factor : 5
 Analyst : GJ
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	ND	1.00	--	ND	4.94	--	U
74-87-3	Chloromethane	5.68	1.00	--	11.7	2.07	--	
76-14-2	Freon-114	ND	1.00	--	ND	6.99	--	U
75-01-4	Vinyl chloride	ND	1.00	--	ND	2.56	--	U
106-99-0	1,3-Butadiene	ND	1.00	--	ND	2.21	--	U
74-83-9	Bromomethane	ND	1.00	--	ND	3.88	--	U
75-00-3	Chloroethane	ND	1.00	--	ND	2.64	--	U
64-17-5	Ethanol	302	25.0	--	569	47.1	--	
593-60-2	Vinyl bromide	ND	1.00	--	ND	4.37	--	U
67-64-1	Acetone	516	5.00	--	1230	11.9	--	
75-69-4	Trichlorofluoromethane	ND	1.00	--	ND	5.62	--	U
67-63-0	Isopropanol	9.12	2.50	--	22.4	6.15	--	
75-35-4	1,1-Dichloroethene	ND	1.00	--	ND	3.96	--	U
75-65-0	Tertiary butyl Alcohol	30.3	2.50	--	91.9	7.58	--	
75-09-2	Methylene chloride	ND	2.50	--	ND	8.69	--	U
107-05-1	3-Chloropropene	ND	1.00	--	ND	3.13	--	U
75-15-0	Carbon disulfide	2.92	1.00	--	9.09	3.11	--	
76-13-1	Freon-113	ND	1.00	--	ND	7.66	--	U
156-60-5	trans-1,2-Dichloroethene	ND	1.00	--	ND	3.96	--	U
75-34-3	1,1-Dichloroethane	ND	1.00	--	ND	4.05	--	U
1634-04-4	Methyl tert butyl ether	ND	1.00	--	ND	3.61	--	U
78-93-3	2-Butanone	35.9	2.50	--	106	7.37	--	
156-59-2	cis-1,2-Dichloroethene	ND	1.00	--	ND	3.96	--	U
141-78-6	Ethyl Acetate	ND	2.50	--	ND	9.01	--	U
67-66-3	Chloroform	1.72	1.00	--	8.40	4.88	--	
109-99-9	Tetrahydrofuran	ND	2.50	--	ND	7.37	--	U
107-06-2	1,2-Dichloroethane	ND	1.00	--	ND	4.05	--	U
110-54-3	n-Hexane	ND	1.00	--	ND	3.52	--	U

John
9/24/18



Form 1

Volatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1826620-04D
 Client ID : SV-3
 Sample Location : BRONX
 Sample Matrix : SOIL VAPOR
 Analytical Method : 48, TO-15
 Lab File ID : R172897
 Sample Amount : 50.0 ml

Lab Number : L1826620
 Project Number : 2133 WESTCHESTER
 Date Collected : 07/12/18 15:45
 Date Received : 07/12/18
 Date Analyzed : 07/16/18 23:30
 Dilution Factor : 5
 Analyst : GJ
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
71-55-6	1,1,1-Trichloroethane	ND	1.00	--	ND	5.46	--	U
71-43-2	Benzene	2.80	1.00	--	8.95	3.19	--	
56-23-5	Carbon tetrachloride	ND	1.00	--	ND	6.29	--	U
110-82-7	Cyclohexane	ND	1.00	--	ND	3.44	--	U
78-87-5	1,2-Dichloropropane	ND	1.00	--	ND	4.62	--	U
75-27-4	Bromodichloromethane	ND	1.00	--	ND	6.70	--	U
123-91-1	1,4-Dioxane	ND	1.00	--	ND	3.60	--	U
79-01-6	Trichloroethene	ND	1.00	--	ND	5.37	--	U
540-84-1	2,2,4-Trimethylpentane	ND	1.00	--	ND	4.67	--	U
142-82-5	Heptane	ND	1.00	--	ND	4.10	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.00	--	ND	4.54	--	U
108-10-1	4-Methyl-2-pentanone	ND	2.50	--	ND	10.2	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.00	--	ND	4.54	--	U
79-00-5	1,1,2-Trichloroethane	ND	1.00	--	ND	5.46	--	U
108-88-3	Toluene	ND	1.00	--	ND	3.77	--	U
591-78-6	2-Hexanone	3.98	1.00	--	16.3	4.10	--	
124-48-1	Dibromochloromethane	ND	1.00	--	ND	8.52	--	U
106-93-4	1,2-Dibromoethane	ND	1.00	--	ND	7.69	--	U
127-18-4	Tetrachloroethene	1.68	1.00	--	11.4	6.78	--	
108-90-7	Chlorobenzene	ND	1.00	--	ND	4.61	--	U
100-41-4	Ethylbenzene	ND	1.00	--	ND	4.34	--	U
179601-23-1	p/m-Xylene	ND	2.00	--	ND	8.69	--	U
75-25-2	Bromoform	ND	1.00	--	ND	10.3	--	U
100-42-5	Styrene	ND	1.00	--	ND	4.26	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.00	--	ND	6.87	--	U
95-47-6	o-Xylene	ND	1.00	--	ND	4.34	--	U
622-96-8	4-Ethyltoluene	ND	1.00	--	ND	4.92	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	1.00	--	ND	4.92	--	U

Jan
9/24/18



Form 1

Volatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1826620-04D
 Client ID : SV-3
 Sample Location : BRONX
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R172897
 Sample Amount : 50.0 ml

Lab Number : L1826620
 Project Number : 2133 WESTCHESTER
 Date Collected : 07/12/18 15:45
 Date Received : 07/12/18
 Date Analyzed : 07/16/18 23:30
 Dilution Factor : 5
 Analyst : GJ
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
95-63-6	1,2,4-Trimethylbenzene	ND	1.00	--	ND	4.92	--	U
100-44-7	Benzyl chloride	ND	1.00	--	ND	5.18	--	UJ
541-73-1	1,3-Dichlorobenzene	ND	1.00	--	ND	6.01	--	U
106-46-7	1,4-Dichlorobenzene	ND	1.00	--	ND	6.01	--	U
95-50-1	1,2-Dichlorobenzene	ND	1.00	--	ND	6.01	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.00	--	ND	7.42	--	U
87-68-3	Hexachlorobutadiene	ND	1.00	--	ND	10.7	--	U

for
 9/12/18



Form 1 Volatile Organics

Client : Tenen Environmental, LLC
Project Name : 2135 WESTCHESTER
Lab ID : L1826620-05D
Client ID : SV-5
Sample Location : BRONX
Sample Matrix : SOIL VAPOR
Analytical Method : 48,TO-15
Lab File ID : R172898
Sample Amount : 50.0 ml

Lab Number : L1826620
Project Number : 2133 WESTCHESTER
Date Collected : 07/12/18 15:48
Date Received : 07/12/18
Date Analyzed : 07/17/18 00:05
Dilution Factor : 5
Analyst : GJ
Instrument ID : AIRLAB17
GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	ND	1.00	--	ND	4.94	--	U
74-87-3	Chloromethane	1.41	1.00	--	2.91	2.07	--	
76-14-2	Freon-114	ND	1.00	--	ND	6.99	--	U
75-01-4	Vinyl chloride	ND	1.00	--	ND	2.56	--	U
106-99-0	1,3-Butadiene	ND	1.00	--	ND	2.21	--	U
74-83-9	Bromomethane	ND	1.00	--	ND	3.88	--	U
75-00-3	Chloroethane	ND	1.00	--	ND	2.64	--	U
64-17-5	Ethanol	159	25.0	--	300	47.1	--	
593-60-2	Vinyl bromide	ND	1.00	--	ND	4.37	--	U
67-64-1	Acetone	333	5.00	--	791	11.9	--	
75-69-4	Trichlorofluoromethane	ND	1.00	--	ND	5.62	--	U
67-63-0	Isopropanol	3.13	2.50	--	7.69	6.15	--	
75-35-4	1,1-Dichloroethene	ND	1.00	--	ND	3.96	--	U
75-65-0	Tertiary butyl Alcohol	17.4	2.50	--	52.7	7.58	--	
75-09-2	Methylene chloride	ND	2.50	--	ND	8.69	--	U
107-05-1	3-Chloropropene	ND	1.00	--	ND	3.13	--	U
75-15-0	Carbon disulfide	44.4	1.00	--	138	3.11	--	
76-13-1	Freon-113	ND	1.00	--	ND	7.66	--	U
156-60-5	trans-1,2-Dichloroethene	ND	1.00	--	ND	3.96	--	U
75-34-3	1,1-Dichloroethane	ND	1.00	--	ND	4.05	--	U
1634-04-4	Methyl tert butyl ether	ND	1.00	--	ND	3.61	--	U
78-93-3	2-Butanone	29.8	2.50	--	87.9	7.37	--	
156-59-2	cis-1,2-Dichloroethene	ND	1.00	--	ND	3.96	--	U
141-78-6	Ethyl Acetate	ND	2.50	--	ND	9.01	--	U
67-66-3	Chloroform	7.10	1.00	--	34.7	4.88	--	
109-99-9	Tetrahydrofuran	ND	2.50	--	ND	7.37	--	U
107-06-2	1,2-Dichloroethane	ND	1.00	--	ND	4.05	--	U
110-54-3	n-Hexane	ND	1.00	--	ND	3.52	--	U

80P
9/24/18



Form 1

Volatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1826620-05D
 Client ID : SV-5
 Sample Location : BRONX
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R172898
 Sample Amount : 50.0 ml

Lab Number : L1826620
 Project Number : 2133 WESTCHESTER
 Date Collected : 07/12/18 15:48
 Date Received : 07/12/18
 Date Analyzed : 07/17/18 00:05
 Dilution Factor : 5
 Analyst : GJ
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
71-55-6	1,1,1-Trichloroethane	ND	1.00	--	ND	5.46	--	U
71-43-2	Benzene	16.2	1.00	--	51.8	3.19	--	
56-23-5	Carbon tetrachloride	ND	1.00	--	ND	6.29	--	U
110-82-7	Cyclohexane	ND	1.00	--	ND	3.44	--	U
78-87-5	1,2-Dichloropropane	ND	1.00	--	ND	4.62	--	U
75-27-4	Bromodichloromethane	ND	1.00	--	ND	6.70	--	U
123-91-1	1,4-Dioxane	ND	1.00	--	ND	3.60	--	U
79-01-6	Trichloroethene	ND	1.00	--	ND	5.37	--	U
540-84-1	2,2,4-Trimethylpentane	1.11	1.00	--	5.18	4.67	--	
142-82-5	Heptane	1.06	1.00	--	4.34	4.10	--	
10061-01-5	cis-1,3-Dichloropropene	ND	1.00	--	ND	4.54	--	U
108-10-1	4-Methyl-2-pentanone	ND	2.50	--	ND	10.2	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.00	--	ND	4.54	--	U
79-00-5	1,1,2-Trichloroethane	ND	1.00	--	ND	5.46	--	U
108-88-3	Toluene	1.29	1.00	--	4.86	3.77	--	
591-78-6	2-Hexanone	3.22	1.00	--	13.2	4.10	--	
124-48-1	Dibromochloromethane	ND	1.00	--	ND	8.52	--	U
106-93-4	1,2-Dibromoethane	ND	1.00	--	ND	7.69	--	U
127-18-4	Tetrachloroethene	3.16	1.00	--	21.4	6.78	--	
108-90-7	Chlorobenzene	ND	1.00	--	ND	4.61	--	U
100-41-4	Ethylbenzene	ND	1.00	--	ND	4.34	--	U
179601-23-1	p/m-Xylene	ND	2.00	--	ND	8.69	--	U
75-25-2	Bromoform	ND	1.00	--	ND	10.3	--	U
100-42-5	Styrene	ND	1.00	--	ND	4.26	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.00	--	ND	6.87	--	U
95-47-6	o-Xylene	ND	1.00	--	ND	4.34	--	U
622-96-8	4-Ethyltoluene	ND	1.00	--	ND	4.92	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	1.00	--	ND	4.92	--	U

for 9/24/18



Form 1

Volatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1826620-05D
 Client ID : SV-5
 Sample Location : BRONX
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R172898
 Sample Amount : 50.0 ml

Lab Number : L1826620
 Project Number : 2133 WESTCHESTER
 Date Collected : 07/12/18 15:48
 Date Received : 07/12/18
 Date Analyzed : 07/17/18 00:05
 Dilution Factor : 5
 Analyst : GJ
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
95-63-6	1,2,4-Trimethylbenzene	ND	1.00	--	ND	4.92	--	U
100-44-7	Benzyl chloride	ND	1.00	--	ND	5.18	--	U <i>UT</i>
541-73-1	1,3-Dichlorobenzene	ND	1.00	--	ND	6.01	--	U
106-46-7	1,4-Dichlorobenzene	ND	1.00	--	ND	6.01	--	U
95-50-1	1,2-Dichlorobenzene	ND	1.00	--	ND	6.01	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.00	--	ND	7.42	--	U
87-68-3	Hexachlorobutadiene	ND	1.00	--	ND	10.7	--	U

Form 1

Volatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1826620-06D
 Client ID : SV-6
 Sample Location : BRONX
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R172899
 Sample Amount : 25.0 ml

Lab Number : L1826620
 Project Number : 2133 WESTCHESTER
 Date Collected : 07/12/18 16:00
 Date Received : 07/12/18
 Date Analyzed : 07/17/18 00:41
 Dilution Factor : 10
 Analyst : GJ
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	Results	ppbV		Results	ug/m3		Qualifier
			RL	MDL		RL	MDL	
75-71-8	Dichlorodifluoromethane	ND	2.00	--	ND	9.89	--	U
74-87-3	Chloromethane	9.21	2.00	--	19.0	4.13	--	
76-14-2	Freon-114	ND	2.00	--	ND	14.0	--	U
75-01-4	Vinyl chloride	ND	2.00	--	ND	5.11	--	U
106-99-0	1,3-Butadiene	ND	2.00	--	ND	4.42	--	U
74-83-9	Bromomethane	ND	2.00	--	ND	7.77	--	U
75-00-3	Chloroethane	ND	2.00	--	ND	5.28	--	U
64-17-5	Ethanol	137	50.0	--	258	94.2	--	
593-60-2	Vinyl bromide	ND	2.00	--	ND	8.74	--	U
67-64-1	Acetone	1610	10.0	--	3820	23.8	--	
75-69-4	Trichlorofluoromethane	ND	2.00	--	ND	11.2	--	U
67-63-0	Isopropanol	8.48	5.00	--	20.8	12.3	--	
75-35-4	1,1-Dichloroethene	ND	2.00	--	ND	7.93	--	U
75-65-0	Tertiary butyl Alcohol	18.4	5.00	--	55.8	15.2	--	
75-09-2	Methylene chloride	ND	5.00	--	ND	17.4	--	U
107-05-1	3-Chloropropene	ND	2.00	--	ND	6.26	--	U
75-15-0	Carbon disulfide	123	2.00	--	383	6.23	--	
76-13-1	Freon-113	ND	2.00	--	ND	15.3	--	U
156-60-5	trans-1,2-Dichloroethene	ND	2.00	--	ND	7.93	--	U
75-34-3	1,1-Dichloroethane	ND	2.00	--	ND	8.09	--	U
1634-04-4	Methyl tert butyl ether	ND	2.00	--	ND	7.21	--	U
78-93-3	2-Butanone	46.4	5.00	--	137	14.7	--	
156-59-2	cis-1,2-Dichloroethene	ND	2.00	--	ND	7.93	--	U
141-78-6	Ethyl Acetate	ND	5.00	--	ND	18.0	--	U
67-66-3	Chloroform	ND	2.00	--	ND	9.77	--	U
109-99-9	Tetrahydrofuran	ND	5.00	--	ND	14.7	--	U
107-06-2	1,2-Dichloroethane	ND	2.00	--	ND	8.09	--	U
110-54-3	n-Hexane	15.1	2.00	--	53.2	7.05	--	

for
9/24/18



Form 1

Volatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1826620-06D
 Client ID : SV-6
 Sample Location : BRONX
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R172899
 Sample Amount : 25.0 ml

Lab Number : L1826620
 Project Number : 2133 WESTCHESTER
 Date Collected : 07/12/18 16:00
 Date Received : 07/12/18
 Date Analyzed : 07/17/18 00:41
 Dilution Factor : 10
 Analyst : GJ
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
71-55-6	1,1,1-Trichloroethane	ND	2.00	--	ND	10.9	--	U
71-43-2	Benzene	4.56	2.00	--	14.6	6.39	--	
56-23-5	Carbon tetrachloride	ND	2.00	--	ND	12.6	--	U
110-82-7	Cyclohexane	7.24	2.00	--	24.9	6.88	--	
78-87-5	1,2-Dichloropropane	ND	2.00	--	ND	9.24	--	U
75-27-4	Bromodichloromethane	ND	2.00	--	ND	13.4	--	U
123-91-1	1,4-Dioxane	ND	2.00	--	ND	7.21	--	U
79-01-6	Trichloroethene	ND	2.00	--	ND	10.7	--	U
540-84-1	2,2,4-Trimethylpentane	7.56	2.00	--	35.3	9.34	--	
142-82-5	Heptane	3.85	2.00	--	15.8	8.20	--	
10061-01-5	cis-1,3-Dichloropropene	ND	2.00	--	ND	9.08	--	U
108-10-1	4-Methyl-2-pentanone	ND	5.00	--	ND	20.5	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	2.00	--	ND	9.08	--	U
79-00-5	1,1,2-Trichloroethane	ND	2.00	--	ND	10.9	--	U
108-88-3	Toluene	ND	2.00	--	ND	7.54	--	U
591-78-6	2-Hexanone	4.97	2.00	--	20.4	8.20	--	
124-48-1	Dibromochloromethane	ND	2.00	--	ND	17.0	--	U
106-93-4	1,2-Dibromoethane	ND	2.00	--	ND	15.4	--	U
127-18-4	Tetrachloroethene	ND	2.00	--	ND	13.6	--	U
108-90-7	Chlorobenzene	ND	2.00	--	ND	9.21	--	U
100-41-4	Ethylbenzene	ND	2.00	--	ND	8.69	--	U
179601-23-1	p/m-Xylene	ND	4.00	--	ND	17.4	--	U
75-25-2	Bromoform	ND	2.00	--	ND	20.7	--	U
100-42-5	Styrene	ND	2.00	--	ND	8.52	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.00	--	ND	13.7	--	U
95-47-6	o-Xylene	ND	2.00	--	ND	8.69	--	U
622-96-8	4-Ethyltoluene	ND	2.00	--	ND	9.83	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.00	--	ND	9.83	--	U

9/12/18

 ALPHA ANALYTICAL

Form 1

Volatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1826620-06D
 Client ID : SV-6
 Sample Location : BRONX
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R172899
 Sample Amount : 25.0 ml

Lab Number : L1826620
 Project Number : 2133 WESTCHESTER
 Date Collected : 07/12/18 16:00
 Date Received : 07/12/18
 Date Analyzed : 07/17/18 00:41
 Dilution Factor : 10
 Analyst : GJ
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
95-63-6	1,2,4-Trimethylbenzene	ND	2.00	--	ND	9.83	--	U
100-44-7	Benzyl chloride	ND	2.00	--	ND	10.4	--	U - UJ
541-73-1	1,3-Dichlorobenzene	ND	2.00	--	ND	12.0	--	U
106-46-7	1,4-Dichlorobenzene	ND	2.00	--	ND	12.0	--	U
95-50-1	1,2-Dichlorobenzene	ND	2.00	--	ND	12.0	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.00	--	ND	14.8	--	U
87-68-3	Hexachlorobutadiene	ND	2.00	--	ND	21.3	--	U

JGP
 9/24/18



Form 1 Volatile Organics

Client : Tenen Environmental, LLC
Project Name : 2135 WESTCHESTER
Lab ID : L1826620-07D
Client ID : SV-7
Sample Location : BRONX
Sample Matrix : SOIL_VAPOR
Analytical Method : 48,TO-15
Lab File ID : R172900
Sample Amount : 50.0 ml

Lab Number : L1826620
Project Number : 2133 WESTCHESTER
Date Collected : 07/12/18 16:03
Date Received : 07/12/18
Date Analyzed : 07/17/18 01:16
Dilution Factor : 5
Analyst : GJ
Instrument ID : AIRLAB17
GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	ND	1.00	--	ND	4.94	--	U
74-87-3	Chloromethane	1.02	1.00	--	2.11	2.07	--	
76-14-2	Freon-114	ND	1.00	--	ND	6.99	--	U
75-01-4	Vinyl chloride	ND	1.00	--	ND	2.56	--	U
106-99-0	1,3-Butadiene	ND	1.00	--	ND	2.21	--	U
74-83-9	Bromomethane	ND	1.00	--	ND	3.88	--	U
75-00-3	Chloroethane	ND	1.00	--	ND	2.64	--	U
64-17-5	Ethanol	133	25.0	--	251	47.1	--	
593-60-2	Vinyl bromide	ND	1.00	--	ND	4.37	--	U
67-64-1	Acetone	579	5.00	--	1380	11.9	--	
75-69-4	Trichlorofluoromethane	ND	1.00	--	ND	5.62	--	U
67-63-0	Isopropanol	3.26	2.50	--	8.01	6.15	--	
75-35-4	1,1-Dichloroethene	ND	1.00	--	ND	3.96	--	U
75-65-0	Tertiary butyl Alcohol	8.28	2.50	--	25.1	7.58	--	
75-09-2	Methylene chloride	ND	2.50	--	ND	8.69	--	U
107-05-1	3-Chloropropene	ND	1.00	--	ND	3.13	--	U
75-15-0	Carbon disulfide	29.8	1.00	--	92.8	3.11	--	
76-13-1	Freon-113	ND	1.00	--	ND	7.66	--	U
156-60-5	trans-1,2-Dichloroethene	ND	1.00	--	ND	3.96	--	U
75-34-3	1,1-Dichloroethane	ND	1.00	--	ND	4.05	--	U
1634-04-4	Methyl tert butyl ether	ND	1.00	--	ND	3.61	--	U
78-93-3	2-Butanone	24.8	2.50	--	73.1	7.37	--	
156-59-2	cis-1,2-Dichloroethene	ND	1.00	--	ND	3.96	--	U
141-78-6	Ethyl Acetate	ND	2.50	--	ND	9.01	--	U
67-66-3	Chloroform	16.5	1.00	--	80.6	4.88	--	
109-99-9	Tetrahydrofuran	ND	2.50	--	ND	7.37	--	U
107-06-2	1,2-Dichloroethane	ND	1.00	--	ND	4.05	--	U
110-54-3	n-Hexane	ND	1.00	--	ND	3.52	--	U

Handwritten signature and date:
9/24/18

ALPHA
ANALYTICAL

Form 1

Volatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1826620-07D
 Client ID : SV-7
 Sample Location : BRONX
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R172900
 Sample Amount : 50.0 ml

Lab Number : L1826620
 Project Number : 2133 WESTCHESTER
 Date Collected : 07/12/18 16:03
 Date Received : 07/12/18
 Date Analyzed : 07/17/18 01:16
 Dilution Factor : 5
 Analyst : GJ
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
71-55-6	1,1,1-Trichloroethane	ND	1.00	--	ND	5.46	--	U
71-43-2	Benzene	2.28	1.00	--	7.28	3.19	--	
56-23-5	Carbon tetrachloride	ND	1.00	--	ND	6.29	--	U
110-82-7	Cyclohexane	1.78	1.00	--	6.13	3.44	--	
78-87-5	1,2-Dichloropropane	ND	1.00	--	ND	4.62	--	U
75-27-4	Bromodichloromethane	ND	1.00	--	ND	6.70	--	U
123-91-1	1,4-Dioxane	ND	1.00	--	ND	3.60	--	U
79-01-6	Trichloroethene	ND	1.00	--	ND	5.37	--	U
540-84-1	2,2,4-Trimethylpentane	2.19	1.00	--	10.2	4.67	--	
142-82-5	Heptane	ND	1.00	--	ND	4.10	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.00	--	ND	4.54	--	U
108-10-1	4-Methyl-2-pentanone	ND	2.50	--	ND	10.2	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.00	--	ND	4.54	--	U
79-00-5	1,1,2-Trichloroethane	ND	1.00	--	ND	5.46	--	U
108-88-3	Toluene	1.24	1.00	--	4.67	3.77	--	
591-78-6	2-Hexanone	2.84	1.00	--	11.6	4.10	--	
124-48-1	Dibromochloromethane	ND	1.00	--	ND	8.52	--	U
106-93-4	1,2-Dibromoethane	ND	1.00	--	ND	7.69	--	U
127-18-4	Tetrachloroethene	4.96	1.00	--	33.6	6.78	--	
108-90-7	Chlorobenzene	ND	1.00	--	ND	4.61	--	U
100-41-4	Ethylbenzene	ND	1.00	--	ND	4.34	--	U
179601-23-1	p/m-Xylene	ND	2.00	--	ND	8.69	--	U
75-25-2	Bromoform	ND	1.00	--	ND	10.3	--	U
100-42-5	Styrene	ND	1.00	--	ND	4.26	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.00	--	ND	6.87	--	U
95-47-6	o-Xylene	ND	1.00	--	ND	4.34	--	U
622-96-8	4-Ethyltoluene	ND	1.00	--	ND	4.92	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	1.00	--	ND	4.92	--	U

for
9/24/18



Form 1

Volatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1826620-07D
 Client ID : SV-7
 Sample Location : BRONX
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R172900
 Sample Amount : 50.0 ml

Lab Number : L1826620
 Project Number : 2133 WESTCHESTER
 Date Collected : 07/12/18 16:03
 Date Received : 07/12/18
 Date Analyzed : 07/17/18 01:16
 Dilution Factor : 5
 Analyst : GJ
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
95-63-6	1,2,4-Trimethylbenzene	ND	1.00	--	ND	4.92	--	U
100-44-7	Benzyl chloride	ND	1.00	--	ND	5.18	--	U <i>UJ</i>
541-73-1	1,3-Dichlorobenzene	ND	1.00	--	ND	6.01	--	U
106-46-7	1,4-Dichlorobenzene	ND	1.00	--	ND	6.01	--	U
95-50-1	1,2-Dichlorobenzene	ND	1.00	--	ND	6.01	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.00	--	ND	7.42	--	U
87-68-3	Hexachlorobutadiene	ND	1.00	--	ND	10.7	--	U

Jan
9/24/18



Form 1 Volatile Organics

Client : Tenen Environmental, LLC
Project Name : 2135 WESTCHESTER
Lab ID : L1826620-08
Client ID : SS-2
Sample Location : BRONX
Sample Matrix : SOIL_VAPOR
Analytical Method : 48,TO-15
Lab File ID : R172901
Sample Amount : 250 ml

Lab Number : L1826620
Project Number : 2133 WESTCHESTER
Date Collected : 07/12/18 15:06
Date Received : 07/12/18
Date Analyzed : 07/17/18 01:54
Dilution Factor : 1
Analyst : GJ
Instrument ID : AIRLAB17
GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.518	0.200	--	2.56	0.989	--	
74-87-3	Chloromethane	0.535	0.200	--	1.10	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
75-01-4	Vinyl chloride	ND	0.200	--	ND	0.511	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	161	5.00	--	303	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	42.0	1.00	--	99.8	2.38	--	
75-69-4	Trichlorofluoromethane	0.323	0.200	--	1.82	1.12	--	
67-63-0	Isopropanol	13.4	0.500	--	32.9	1.23	--	
75-35-4	1,1-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-65-0	Tertiary butyl Alcohol	0.964	0.500	--	2.92	1.52	--	
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	2.26	0.500	--	6.67	1.47	--	
156-59-2	cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	5.92	0.200	--	28.9	0.977	--	
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	0.370	0.200	--	1.30	0.705	--	

Jan
9/21/18



Form 1

Volatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1826620-08
 Client ID : SS-2
 Sample Location : BRONX
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R172901
 Sample Amount : 250 ml

Lab Number : L1826620
 Project Number : 2133 WESTCHESTER
 Date Collected : 07/12/18 15:06
 Date Received : 07/12/18
 Date Analyzed : 07/17/18 01:54
 Dilution Factor : 1
 Analyst : GJ
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
71-55-6	1,1,1-Trichloroethane	5.41	0.200	--	29.5	1.09	--	
71-43-2	Benzene	0.498	0.200	--	1.59	0.639	--	
56-23-5	Carbon tetrachloride	ND	0.200	--	ND	1.26	--	U
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
79-01-6	Trichloroethene	0.370	0.200	--	1.99	1.07	--	
540-84-1	2,2,4-Trimethylpentane	0.317	0.200	--	1.48	0.934	--	
142-82-5	Heptane	0.286	0.200	--	1.17	0.820	--	
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	0.513	0.500	--	2.10	2.05	--	
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	1.11	0.200	--	4.18	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
127-18-4	Tetrachloroethene	0.291	0.200	--	1.97	1.36	--	
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	ND	0.200	--	ND	0.869	--	U
179601-23-1	p/m-Xylene	0.490	0.400	--	2.13	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	0.278	0.200	--	1.18	0.852	--	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	ND	0.200	--	ND	0.869	--	U
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U

Soil Br
9/25/18



Form 1

Volatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1826620-08
 Client ID : SS-2
 Sample Location : BRONX
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R172901
 Sample Amount : 250 ml

Lab Number : L1826620
 Project Number : 2133 WESTCHESTER
 Date Collected : 07/12/18 15:06
 Date Received : 07/12/18
 Date Analyzed : 07/17/18 01:54
 Dilution Factor : 1
 Analyst : GJ
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
95-63-6	1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U <i>UJ</i>
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

for
9/24/18



Form 1

Volatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1826620-09
 Client ID : IA-2
 Sample Location : BRONX
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R172887
 Sample Amount : 250 ml

Lab Number : L1826620
 Project Number : 2133 WESTCHESTER
 Date Collected : 07/12/18 14:50
 Date Received : 07/12/18
 Date Analyzed : 07/16/18 17:24
 Dilution Factor : 1
 Analyst : GJ
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.420	0.200	--	2.08	0.989	--	
74-87-3	Chloromethane	0.955	0.200	--	1.97	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	158	5.00	--	298	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	9.84	1.00	--	23.4	2.38	--	
75-69-4	Trichlorofluoromethane	0.206	0.200	--	1.16	1.12	--	
67-63-0	Isopropanol	4.72	0.500	--	11.6	1.23	--	
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	ND	0.500	--	ND	1.47	--	U
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	2.98	0.200	--	14.6	0.977	--	
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	ND	0.200	--	ND	0.705	--	U
71-43-2	Benzene	ND	0.200	--	ND	0.639	--	U
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U

for
9/12/18



Form 1

Volatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1826620-09
 Client ID : IA-2
 Sample Location : BRONX
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R172887
 Sample Amount : 250 ml

Lab Number : L1826620
 Project Number : 2133 WESTCHESTER
 Date Collected : 07/12/18 14:50
 Date Received : 07/12/18
 Date Analyzed : 07/16/18 17:24
 Dilution Factor : 1
 Analyst : GJ
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	ND	0.200	--	ND	0.820	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	0.275	0.200	--	1.04	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	ND	0.200	--	ND	0.869	--	U
179601-23-1	p/m-Xylene	ND	0.400	--	ND	1.74	--	U
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	ND	0.200	--	ND	0.869	--	U
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U <i>UT</i>
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Jan 9/24/18

ALPHA
ANALYTICAL

Form 1

Volatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1826620-09
 Client ID : IA-2
 Sample Location : BRONX
 Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R172887_EV2
 Sample Amount : 250 ml

Lab Number : L1826620
 Project Number : 2133 WESTCHESTER
 Date Collected : 07/12/18 14:50
 Date Received : 07/12/18
 Date Analyzed : 07/16/18 17:24
 Dilution Factor : 1
 Analyst : GJ
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-01-4	Vinyl chloride	0.050	0.020	--	0.128	0.051	--	
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
71-55-6	1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--	U
56-23-5	Carbon tetrachloride	0.102	0.020	--	0.642	0.126	--	
79-01-6	Trichloroethene	0.700	0.020	--	3.76	0.107	--	
127-18-4	Tetrachloroethene	0.236	0.020	--	1.60	0.136	--	



Form 1 Volatile Organics

Client : Tenen Environmental, LLC
Project Name : 2135 WESTCHESTER
Lab ID : L1826620-10
Client ID : AMBIENT
Sample Location : BRONX
Sample Matrix : AIR
Analytical Method : 48,TO-15
Lab File ID : R172886
Sample Amount : 250 ml

Lab Number : L1826620
Project Number : 2133 WESTCHESTER
Date Collected : 07/12/18 14:46
Date Received : 07/12/18
Date Analyzed : 07/16/18 16:45
Dilution Factor : 1
Analyst : GJ
Instrument ID : AIRLAB17
GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.401	0.200	--	1.98	0.989	--	
74-87-3	Chloromethane	0.421	0.200	--	0.869	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	5.56	5.00	--	10.5	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	3.81	1.00	--	9.05	2.38	--	
75-69-4	Trichlorofluoromethane	0.201	0.200	--	1.13	1.12	--	
67-63-0	Isopropanol	0.727	0.500	--	1.79	1.23	--	
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	ND	0.500	--	ND	1.47	--	U
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	ND	0.200	--	ND	0.705	--	U
71-43-2	Benzene	ND	0.200	--	ND	0.639	--	U
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U

for
9/24/18



Form 1

Volatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1826620-10
 Client ID : AMBIENT
 Sample Location : BRONX
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R172886
 Sample Amount : 250 ml

Lab Number : L1826620
 Project Number : 2133 WESTCHESTER
 Date Collected : 07/12/18 14:46
 Date Received : 07/12/18
 Date Analyzed : 07/16/18 16:45
 Dilution Factor : 1
 Analyst : GJ
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	ND	0.200	--	ND	0.820	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	0.220	0.200	--	0.829	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	ND	0.200	--	ND	0.869	--	U
179601-23-1	p/m-Xylene	ND	0.400	--	ND	1.74	--	U
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	ND	0.200	--	ND	0.869	--	U
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U <i>UT</i>
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Signature
 8/24/18



Form 1

Volatile Organics

Client : Tenen Environmental, LLC
 Project Name : 2135 WESTCHESTER
 Lab ID : L1826620-10
 Client ID : AMBIENT
 Sample Location : BRONX
 Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R172886_EV2
 Sample Amount : 250 ml

Lab Number : L1826620
 Project Number : 2133 WESTCHESTER
 Date Collected : 07/12/18 14:46
 Date Received : 07/12/18
 Date Analyzed : 07/16/18 16:45
 Dilution Factor : 1
 Analyst : GJ
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
71-55-6	1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--	U
56-23-5	Carbon tetrachloride	0.074	0.020	--	0.465	0.126	--	
79-01-6	Trichloroethene	0.636	0.020	--	3.42	0.107	--	
127-18-4	Tetrachloroethene	0.037	0.020	--	0.251	0.136	--	





ANALYTICAL REPORT

Lab Number:	L1819157
Client:	Tenen Environmental, LLC 121 West 27th Street Suite 702 New York City, NY 10001
ATTN:	Matt Carroll
Phone:	(646) 606-2332
Project Name:	2135 WESTCHESTER
Project Number:	2135 WESTCHESTER
Report Date:	06/01/18

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: 2135 WESTCHESTER

Project Number: 2135 WESTCHESTER

Lab Number: L1819157

Report Date: 06/01/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1819157-01	SB-5 (1-2)	SOIL	BRONX, NY	05/23/18 09:55	05/24/18
L1819157-02	SB-5 (15-17)	SOIL	BRONX, NY	05/23/18 10:00	05/24/18
L1819157-03	SB-2 (1-5)	SOIL	BRONX, NY	05/23/18 10:45	05/24/18
L1819157-04	SB-2 (13-14)	SOIL	BRONX, NY	05/23/18 11:05	05/24/18
L1819157-05	SB-3 (15-16)	SOIL	BRONX, NY	05/23/18 12:05	05/24/18
L1819157-06	SB-3 (1-5)	SOIL	BRONX, NY	05/23/18 12:00	05/24/18
L1819157-07	SB-1 (1-5)	SOIL	BRONX, NY	05/23/18 14:05	05/24/18
L1819157-08	SB-1 (20-21)	SOIL	BRONX, NY	05/23/18 14:50	05/24/18
L1819157-09	SB-1 (20-21) DUP	SOIL	BRONX, NY	05/23/18 14:55	05/24/18
L1819157-10	SB-4 (0-5)	SOIL	BRONX, NY	05/23/18 15:25	05/24/18
L1819157-11	SB-4 (18-20)	SOIL	BRONX, NY	05/23/18 15:50	05/24/18
L1819157-12	S1-S (0-0.5)	SOIL	BRONX, NY	05/23/18 13:36	05/24/18
L1819157-13	S1-E (0-0.5)	SOIL	BRONX, NY	05/23/18 13:44	05/24/18
L1819157-14	S1-C (0.5-1)	SOIL	BRONX, NY	05/23/18 13:57	05/24/18
L1819157-15	S1-N (0.5-1.5)	SOIL	BRONX, NY	05/23/18 14:07	05/24/18
L1819157-16	FIELD BLANK	WATER	BRONX, NY	05/23/18 16:00	05/24/18
L1819157-17	TRIP BLANK	WATER	BRONX, NY	05/23/18 00:00	05/24/18
L1819157-18	S1-W (0-1)	SOIL	BRONX, NY	05/23/18 13:22	05/24/18

Project Name: 2135 WESTCHESTER
Project Number: 2135 WESTCHESTER

Lab Number: L1819157
Report Date: 06/01/18

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. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated 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.

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 table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

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 Client Service Representative 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 Client Services at 800-624-9220 with any questions.

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Case Narrative (continued)

Report Submission

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

Sample Receipt

The analyses performed were specified by the client.

L1819157-10: The sample identified as "SB-4 (1-4)" on the chain of custody was identified as "SB-4 (0-5)" on the container label. At the client's request, the sample is reported as "SB-4 (0-5)".

L1819157-18: A sample identified as "S1-W (0-1)" was received but not listed on the Chain of Custody. At the client's request, this sample was analyzed.

Semivolatile Organics

The WG1119963-4/-5 MS/MSD recoveries, performed on L1819157-11, are below the acceptance criteria for benzoic acid (0%/0%) due to the concentration of this compound falling below the reported detection limit.

PCBs

The WG1120074-1 Method Blank has concentrations above the reporting limits for Aroclor 1254. The sample was re-extracted with the method required holding time exceeded and both the sample and method blank were non-detect for this target compound. The results of both extractions are reported, along with the re-extract QC. The original sample result is reported with B qualifier.

Pesticides

L1819157-13: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

Herbicides

The surrogate recoveries for the WG1120035-1 Method Blank, associated with L1819157-01 through -15 and -18, are below the acceptance criteria for dcaa (0%). The associated samples are non-detect and have

Project Name: 2135 WESTCHESTER
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Case Narrative (continued)

acceptable surrogate recoveries; therefore, no further actions were taken.

Total Metals

L1819157-01 through -15 and -18: 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 WG1120672-1 Method Blank, associated with L1819157-01 through -15 and -18, has a concentration above the reporting limit for Iron. Since the associated sample concentrations are greater than 10x the blank concentration for this analyte, no corrective action is required.

The WG1120672-3/-4 MS/MSD recoveries for aluminum (0%/0), iron (0%/0%), magnesium (40%/71%), manganese (0%/0%) and potassium (12%/56%), performed on L1819157-11, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG1120672-3/-4 MS/MSD recoveries, performed on L1819157-11, are outside the acceptance criteria for calcium (68%/60%). A post digestion spike was performed and was within acceptance criteria.

Cyanide, Total

The WG1119672-3 LCSD recovery (73%), associated with L1819157-01 through -08, is outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

The WG1119679-3 LCSD recovery (74%), associated with L1819157-09 through -15, and -18, is outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

Hexavalent Chromium

L1819157-16 was analyzed with the method required holding time exceeded.

The WG1120042-4 Insoluble MS recovery (74%), performed on L1819157-11, is outside the acceptance criteria. The Soluble MS recovery (58%) was also outside criteria. This has been attributed to matrix interference. A post-spike was performed with a recovery of 106%.

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:

 Amita Naik

Title: Technical Director/Representative

Date: 06/01/18

ORGANICS

VOLATILES

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-01

Date Collected: 05/23/18 09:55

Client ID: SB-5 (1-2)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 05/30/18 20:23

Analyst: MV

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	1.8	J	ug/kg	9.6	1.6	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.26	1
Chloroform	ND		ug/kg	1.4	0.36	1
Carbon tetrachloride	ND		ug/kg	0.96	0.33	1
1,2-Dichloropropane	ND		ug/kg	3.4	0.22	1
Dibromochloromethane	ND		ug/kg	0.96	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.30	1
Tetrachloroethene	ND		ug/kg	0.96	0.29	1
Chlorobenzene	ND		ug/kg	0.96	0.33	1
Trichlorofluoromethane	ND		ug/kg	4.8	0.40	1
1,2-Dichloroethane	ND		ug/kg	0.96	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.96	0.34	1
Bromodichloromethane	ND		ug/kg	0.96	0.30	1
trans-1,3-Dichloropropene	ND		ug/kg	0.96	0.20	1
cis-1,3-Dichloropropene	ND		ug/kg	0.96	0.22	1
1,3-Dichloropropene, Total	ND		ug/kg	0.96	0.20	1
1,1-Dichloropropene	ND		ug/kg	4.8	0.32	1
Bromoform	ND		ug/kg	3.8	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.96	0.29	1
Benzene	ND		ug/kg	0.96	0.18	1
Toluene	ND		ug/kg	1.4	0.19	1
Ethylbenzene	ND		ug/kg	0.96	0.16	1
Chloromethane	ND		ug/kg	4.8	0.42	1
Bromomethane	ND		ug/kg	1.9	0.32	1
Vinyl chloride	ND		ug/kg	1.9	0.30	1
Chloroethane	ND		ug/kg	1.9	0.30	1
1,1-Dichloroethene	ND		ug/kg	0.96	0.36	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.23	1

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-01

Date Collected: 05/23/18 09:55

Client ID: SB-5 (1-2)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.96	0.29	1
1,2-Dichlorobenzene	ND		ug/kg	4.8	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	4.8	0.21	1
1,4-Dichlorobenzene	ND		ug/kg	4.8	0.17	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.15	1
p/m-Xylene	ND		ug/kg	1.9	0.34	1
o-Xylene	ND		ug/kg	1.9	0.32	1
Xylenes, Total	ND		ug/kg	1.9	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	0.96	0.33	1
1,2-Dichloroethene, Total	ND		ug/kg	0.96	0.23	1
Dibromomethane	ND		ug/kg	9.6	0.23	1
Styrene	ND		ug/kg	1.9	0.38	1
Dichlorodifluoromethane	ND		ug/kg	9.6	0.48	1
Acetone	ND		ug/kg	9.6	2.2	1
Carbon disulfide	ND		ug/kg	9.6	1.0	1
2-Butanone	ND		ug/kg	9.6	0.66	1
Vinyl acetate	ND		ug/kg	9.6	0.15	1
4-Methyl-2-pentanone	ND		ug/kg	9.6	0.23	1
1,2,3-Trichloropropane	ND		ug/kg	9.6	0.17	1
2-Hexanone	ND		ug/kg	9.6	0.64	1
Bromochloromethane	ND		ug/kg	4.8	0.34	1
2,2-Dichloropropane	ND		ug/kg	4.8	0.43	1
1,2-Dibromoethane	ND		ug/kg	3.8	0.19	1
1,3-Dichloropropane	ND		ug/kg	4.8	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.96	0.30	1
Bromobenzene	ND		ug/kg	4.8	0.21	1
n-Butylbenzene	ND		ug/kg	0.96	0.22	1
sec-Butylbenzene	ND		ug/kg	0.96	0.21	1
tert-Butylbenzene	ND		ug/kg	4.8	0.24	1
o-Chlorotoluene	ND		ug/kg	4.8	0.21	1
p-Chlorotoluene	ND		ug/kg	4.8	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.8	0.38	1
Hexachlorobutadiene	ND		ug/kg	4.8	0.33	1
Isopropylbenzene	ND		ug/kg	0.96	0.19	1
p-Isopropyltoluene	ND		ug/kg	0.96	0.19	1
Naphthalene	ND		ug/kg	4.8	0.13	1
Acrylonitrile	ND		ug/kg	9.6	0.49	1

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS****Lab ID:** L1819157-01**Date Collected:** 05/23/18 09:55**Client ID:** SB-5 (1-2)**Date Received:** 05/24/18**Sample Location:** BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.96	0.21	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.8	0.24	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.8	0.21	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.8	0.15	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.8	0.18	1
1,4-Dioxane	ND		ug/kg	38	14.	1
p-Diethylbenzene	ND		ug/kg	3.8	3.8	1
p-Ethyltoluene	ND		ug/kg	3.8	0.22	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.8	0.15	1
Ethyl ether	ND		ug/kg	4.8	0.25	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.8	0.38	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	106		70-130

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-02

Date Collected: 05/23/18 10:00

Client ID: SB-5 (15-17)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 05/30/18 20:49

Analyst: MV

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	3.3	J	ug/kg	12	2.0	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.32	1
Chloroform	ND		ug/kg	1.8	0.44	1
Carbon tetrachloride	ND		ug/kg	1.2	0.41	1
1,2-Dichloropropane	ND		ug/kg	4.2	0.27	1
Dibromochloromethane	ND		ug/kg	1.2	0.21	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.37	1
Tetrachloroethene	ND		ug/kg	1.2	0.36	1
Chlorobenzene	ND		ug/kg	1.2	0.41	1
Trichlorofluoromethane	ND		ug/kg	5.9	0.50	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.29	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.42	1
Bromodichloromethane	ND		ug/kg	1.2	0.37	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.25	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.27	1
1,3-Dichloropropene, Total	ND		ug/kg	1.2	0.25	1
1,1-Dichloropropene	ND		ug/kg	5.9	0.39	1
Bromoform	ND		ug/kg	4.8	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.35	1
Benzene	ND		ug/kg	1.2	0.23	1
Toluene	ND		ug/kg	1.8	0.23	1
Ethylbenzene	ND		ug/kg	1.2	0.20	1
Chloromethane	ND		ug/kg	5.9	0.52	1
Bromomethane	ND		ug/kg	2.4	0.40	1
Vinyl chloride	ND		ug/kg	2.4	0.37	1
Chloroethane	ND		ug/kg	2.4	0.38	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.44	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.29	1

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-02

Date Collected: 05/23/18 10:00

Client ID: SB-5 (15-17)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	1.2	0.36	1
1,2-Dichlorobenzene	ND		ug/kg	5.9	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	5.9	0.26	1
1,4-Dichlorobenzene	ND		ug/kg	5.9	0.22	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.18	1
p/m-Xylene	ND		ug/kg	2.4	0.42	1
o-Xylene	ND		ug/kg	2.4	0.40	1
Xylenes, Total	ND		ug/kg	2.4	0.40	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.41	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.29	1
Dibromomethane	ND		ug/kg	12	0.28	1
Styrene	ND		ug/kg	2.4	0.48	1
Dichlorodifluoromethane	ND		ug/kg	12	0.59	1
Acetone	ND		ug/kg	12	2.7	1
Carbon disulfide	ND		ug/kg	12	1.3	1
2-Butanone	ND		ug/kg	12	0.82	1
Vinyl acetate	ND		ug/kg	12	0.18	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.29	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.21	1
2-Hexanone	ND		ug/kg	12	0.79	1
Bromochloromethane	ND		ug/kg	5.9	0.42	1
2,2-Dichloropropane	ND		ug/kg	5.9	0.53	1
1,2-Dibromoethane	ND		ug/kg	4.8	0.24	1
1,3-Dichloropropane	ND		ug/kg	5.9	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.38	1
Bromobenzene	ND		ug/kg	5.9	0.26	1
n-Butylbenzene	ND		ug/kg	1.2	0.27	1
sec-Butylbenzene	ND		ug/kg	1.2	0.26	1
tert-Butylbenzene	ND		ug/kg	5.9	0.29	1
o-Chlorotoluene	ND		ug/kg	5.9	0.26	1
p-Chlorotoluene	ND		ug/kg	5.9	0.22	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.9	0.47	1
Hexachlorobutadiene	ND		ug/kg	5.9	0.41	1
Isopropylbenzene	ND		ug/kg	1.2	0.23	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.24	1
Naphthalene	ND		ug/kg	5.9	0.16	1
Acrylonitrile	ND		ug/kg	12	0.61	1

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS****Lab ID:** L1819157-02**Date Collected:** 05/23/18 10:00**Client ID:** SB-5 (15-17)**Date Received:** 05/24/18**Sample Location:** BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.2	0.26	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.9	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.9	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.9	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.9	0.22	1
1,4-Dioxane	ND		ug/kg	48	17.	1
p-Diethylbenzene	ND		ug/kg	4.8	4.8	1
p-Ethyltoluene	ND		ug/kg	4.8	0.28	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.8	0.18	1
Ethyl ether	ND		ug/kg	5.9	0.31	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.9	0.46	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	108		70-130

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-03

Date Collected: 05/23/18 10:45

Client ID: SB-2 (1-5)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 05/30/18 21:14

Analyst: MV

Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	1.7	J	ug/kg	10	1.7	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.27	1
Chloroform	ND		ug/kg	1.5	0.37	1
Carbon tetrachloride	ND		ug/kg	1.0	0.35	1
1,2-Dichloropropane	ND		ug/kg	3.5	0.23	1
Dibromochloromethane	ND		ug/kg	1.0	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.32	1
Tetrachloroethene	ND		ug/kg	1.0	0.30	1
Chlorobenzene	ND		ug/kg	1.0	0.35	1
Trichlorofluoromethane	ND		ug/kg	5.0	0.42	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.25	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.35	1
Bromodichloromethane	ND		ug/kg	1.0	0.31	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.21	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.23	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.21	1
1,1-Dichloropropene	ND		ug/kg	5.0	0.33	1
Bromoform	ND		ug/kg	4.0	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.30	1
Benzene	ND		ug/kg	1.0	0.20	1
Toluene	ND		ug/kg	1.5	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.17	1
Chloromethane	ND		ug/kg	5.0	0.44	1
Bromomethane	ND		ug/kg	2.0	0.34	1
Vinyl chloride	ND		ug/kg	2.0	0.32	1
Chloroethane	ND		ug/kg	2.0	0.32	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.38	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.24	1

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-03

Date Collected: 05/23/18 10:45

Client ID: SB-2 (1-5)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	1.0	0.30	1
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.15	1
p/m-Xylene	ND		ug/kg	2.0	0.35	1
o-Xylene	ND		ug/kg	2.0	0.34	1
Xylenes, Total	ND		ug/kg	2.0	0.34	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.34	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.24	1
Dibromomethane	ND		ug/kg	10	0.24	1
Styrene	ND		ug/kg	2.0	0.40	1
Dichlorodifluoromethane	ND		ug/kg	10	0.50	1
Acetone	ND		ug/kg	10	2.3	1
Carbon disulfide	ND		ug/kg	10	1.1	1
2-Butanone	ND		ug/kg	10	0.70	1
Vinyl acetate	ND		ug/kg	10	0.15	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.18	1
2-Hexanone	ND		ug/kg	10	0.67	1
Bromochloromethane	ND		ug/kg	5.0	0.36	1
2,2-Dichloropropane	ND		ug/kg	5.0	0.45	1
1,2-Dibromoethane	ND		ug/kg	4.0	0.20	1
1,3-Dichloropropane	ND		ug/kg	5.0	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32	1
Bromobenzene	ND		ug/kg	5.0	0.22	1
n-Butylbenzene	ND		ug/kg	1.0	0.23	1
sec-Butylbenzene	ND		ug/kg	1.0	0.22	1
tert-Butylbenzene	ND		ug/kg	5.0	0.25	1
o-Chlorotoluene	ND		ug/kg	5.0	0.22	1
p-Chlorotoluene	ND		ug/kg	5.0	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40	1
Hexachlorobutadiene	ND		ug/kg	5.0	0.35	1
Isopropylbenzene	ND		ug/kg	1.0	0.20	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.20	1
Naphthalene	ND		ug/kg	5.0	0.14	1
Acrylonitrile	ND		ug/kg	10	0.52	1

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-03

Date Collected: 05/23/18 10:45

Client ID: SB-2 (1-5)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.22	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.25	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.22	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.19	1
1,4-Dioxane	ND		ug/kg	40	14.	1
p-Diethylbenzene	ND		ug/kg	4.0	4.0	1
p-Ethyltoluene	ND		ug/kg	4.0	0.24	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.16	1
Ethyl ether	ND		ug/kg	5.0	0.26	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	106		70-130

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-04

Date Collected: 05/23/18 11:05

Client ID: SB-2 (13-14)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 05/30/18 21:40

Analyst: MV

Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	3.4	J	ug/kg	14	2.3	1
1,1-Dichloroethane	ND		ug/kg	2.1	0.37	1
Chloroform	ND		ug/kg	2.1	0.51	1
Carbon tetrachloride	ND		ug/kg	1.4	0.48	1
1,2-Dichloropropane	ND		ug/kg	4.8	0.31	1
Dibromochloromethane	ND		ug/kg	1.4	0.24	1
1,1,2-Trichloroethane	ND		ug/kg	2.1	0.43	1
Tetrachloroethene	ND		ug/kg	1.4	0.42	1
Chlorobenzene	ND		ug/kg	1.4	0.48	1
Trichlorofluoromethane	ND		ug/kg	6.9	0.58	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.34	1
1,1,1-Trichloroethane	ND		ug/kg	1.4	0.48	1
Bromodichloromethane	ND		ug/kg	1.4	0.42	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	1.4	0.32	1
1,3-Dichloropropene, Total	ND		ug/kg	1.4	0.29	1
1,1-Dichloropropene	ND		ug/kg	6.9	0.45	1
Bromoform	ND		ug/kg	5.5	0.33	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.4	0.41	1
Benzene	ND		ug/kg	1.4	0.27	1
Toluene	ND		ug/kg	2.1	0.27	1
Ethylbenzene	ND		ug/kg	1.4	0.23	1
Chloromethane	ND		ug/kg	6.9	0.60	1
Bromomethane	ND		ug/kg	2.8	0.47	1
Vinyl chloride	ND		ug/kg	2.8	0.43	1
Chloroethane	ND		ug/kg	2.8	0.44	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.51	1
trans-1,2-Dichloroethene	ND		ug/kg	2.1	0.33	1

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-04

Date Collected: 05/23/18 11:05

Client ID: SB-2 (13-14)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	1.4	0.42	1
1,2-Dichlorobenzene	ND		ug/kg	6.9	0.25	1
1,3-Dichlorobenzene	ND		ug/kg	6.9	0.30	1
1,4-Dichlorobenzene	ND		ug/kg	6.9	0.25	1
Methyl tert butyl ether	ND		ug/kg	2.8	0.21	1
p/m-Xylene	ND		ug/kg	2.8	0.48	1
o-Xylene	ND		ug/kg	2.8	0.47	1
Xylenes, Total	ND		ug/kg	2.8	0.47	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.47	1
1,2-Dichloroethene, Total	ND		ug/kg	1.4	0.33	1
Dibromomethane	ND		ug/kg	14	0.33	1
Styrene	ND		ug/kg	2.8	0.55	1
Dichlorodifluoromethane	ND		ug/kg	14	0.69	1
Acetone	ND		ug/kg	14	3.2	1
Carbon disulfide	ND		ug/kg	14	1.5	1
2-Butanone	ND		ug/kg	14	0.95	1
Vinyl acetate	ND		ug/kg	14	0.21	1
4-Methyl-2-pentanone	ND		ug/kg	14	0.34	1
1,2,3-Trichloropropane	ND		ug/kg	14	0.24	1
2-Hexanone	ND		ug/kg	14	0.92	1
Bromochloromethane	ND		ug/kg	6.9	0.49	1
2,2-Dichloropropane	ND		ug/kg	6.9	0.62	1
1,2-Dibromoethane	ND		ug/kg	5.5	0.27	1
1,3-Dichloropropane	ND		ug/kg	6.9	0.25	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.4	0.44	1
Bromobenzene	ND		ug/kg	6.9	0.30	1
n-Butylbenzene	ND		ug/kg	1.4	0.31	1
sec-Butylbenzene	ND		ug/kg	1.4	0.30	1
tert-Butylbenzene	ND		ug/kg	6.9	0.34	1
o-Chlorotoluene	ND		ug/kg	6.9	0.30	1
p-Chlorotoluene	ND		ug/kg	6.9	0.25	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.9	0.55	1
Hexachlorobutadiene	ND		ug/kg	6.9	0.48	1
Isopropylbenzene	ND		ug/kg	1.4	0.27	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.28	1
Naphthalene	ND		ug/kg	6.9	0.19	1
Acrylonitrile	ND		ug/kg	14	0.71	1

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS****Lab ID:** L1819157-04**Date Collected:** 05/23/18 11:05**Client ID:** SB-2 (13-14)**Date Received:** 05/24/18**Sample Location:** BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.4	0.30	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.9	0.35	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.9	0.30	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.9	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.9	0.26	1
1,4-Dioxane	ND		ug/kg	55	20.	1
p-Diethylbenzene	ND		ug/kg	5.5	5.5	1
p-Ethyltoluene	ND		ug/kg	5.5	0.32	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.5	0.22	1
Ethyl ether	ND		ug/kg	6.9	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.9	0.54	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	108		70-130

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-05

Date Collected: 05/23/18 12:05

Client ID: SB-3 (15-16)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 05/30/18 22:06

Analyst: MV

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	2.3	J	ug/kg	9.5	1.6	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.26	1
Chloroform	ND		ug/kg	1.4	0.35	1
Carbon tetrachloride	ND		ug/kg	0.95	0.33	1
1,2-Dichloropropane	ND		ug/kg	3.3	0.22	1
Dibromochloromethane	ND		ug/kg	0.95	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.30	1
Tetrachloroethene	5.7		ug/kg	0.95	0.29	1
Chlorobenzene	ND		ug/kg	0.95	0.33	1
Trichlorofluoromethane	ND		ug/kg	4.7	0.40	1
1,2-Dichloroethane	ND		ug/kg	0.95	0.23	1
1,1,1-Trichloroethane	ND		ug/kg	0.95	0.33	1
Bromodichloromethane	ND		ug/kg	0.95	0.29	1
trans-1,3-Dichloropropene	ND		ug/kg	0.95	0.20	1
cis-1,3-Dichloropropene	ND		ug/kg	0.95	0.22	1
1,3-Dichloropropene, Total	ND		ug/kg	0.95	0.20	1
1,1-Dichloropropene	ND		ug/kg	4.7	0.31	1
Bromoform	ND		ug/kg	3.8	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.95	0.28	1
Benzene	ND		ug/kg	0.95	0.18	1
Toluene	ND		ug/kg	1.4	0.18	1
Ethylbenzene	ND		ug/kg	0.95	0.16	1
Chloromethane	ND		ug/kg	4.7	0.41	1
Bromomethane	ND		ug/kg	1.9	0.32	1
Vinyl chloride	ND		ug/kg	1.9	0.30	1
Chloroethane	ND		ug/kg	1.9	0.30	1
1,1-Dichloroethene	ND		ug/kg	0.95	0.35	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.23	1

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-05

Date Collected: 05/23/18 12:05

Client ID: SB-3 (15-16)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.95	0.29	1
1,2-Dichlorobenzene	ND		ug/kg	4.7	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	4.7	0.21	1
1,4-Dichlorobenzene	ND		ug/kg	4.7	0.17	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.14	1
p/m-Xylene	ND		ug/kg	1.9	0.33	1
o-Xylene	ND		ug/kg	1.9	0.32	1
Xylenes, Total	ND		ug/kg	1.9	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	0.95	0.32	1
1,2-Dichloroethene, Total	ND		ug/kg	0.95	0.23	1
Dibromomethane	ND		ug/kg	9.5	0.23	1
Styrene	ND		ug/kg	1.9	0.38	1
Dichlorodifluoromethane	ND		ug/kg	9.5	0.47	1
Acetone	ND		ug/kg	9.5	2.2	1
Carbon disulfide	ND		ug/kg	9.5	1.0	1
2-Butanone	ND		ug/kg	9.5	0.66	1
Vinyl acetate	ND		ug/kg	9.5	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	9.5	0.23	1
1,2,3-Trichloropropane	ND		ug/kg	9.5	0.17	1
2-Hexanone	ND		ug/kg	9.5	0.63	1
Bromochloromethane	ND		ug/kg	4.7	0.34	1
2,2-Dichloropropane	ND		ug/kg	4.7	0.43	1
1,2-Dibromoethane	ND		ug/kg	3.8	0.19	1
1,3-Dichloropropane	ND		ug/kg	4.7	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.95	0.30	1
Bromobenzene	ND		ug/kg	4.7	0.21	1
n-Butylbenzene	ND		ug/kg	0.95	0.22	1
sec-Butylbenzene	ND		ug/kg	0.95	0.21	1
tert-Butylbenzene	ND		ug/kg	4.7	0.23	1
o-Chlorotoluene	ND		ug/kg	4.7	0.21	1
p-Chlorotoluene	ND		ug/kg	4.7	0.17	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.7	0.38	1
Hexachlorobutadiene	ND		ug/kg	4.7	0.33	1
Isopropylbenzene	ND		ug/kg	0.95	0.18	1
p-Isopropyltoluene	ND		ug/kg	0.95	0.19	1
Naphthalene	ND		ug/kg	4.7	0.13	1
Acrylonitrile	ND		ug/kg	9.5	0.49	1

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-05

Date Collected: 05/23/18 12:05

Client ID: SB-3 (15-16)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.95	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.7	0.24	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.7	0.20	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.7	0.15	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.7	0.18	1
1,4-Dioxane	ND		ug/kg	38	14.	1
p-Diethylbenzene	ND		ug/kg	3.8	3.8	1
p-Ethyltoluene	ND		ug/kg	3.8	0.22	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.8	0.15	1
Ethyl ether	ND		ug/kg	4.7	0.25	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.7	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	106		70-130

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-06

Date Collected: 05/23/18 12:00

Client ID: SB-3 (1-5)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 05/30/18 22:32

Analyst: MV

Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	1.8	J	ug/kg	9.1	1.5	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.25	1
Chloroform	ND		ug/kg	1.4	0.34	1
Carbon tetrachloride	ND		ug/kg	0.91	0.32	1
1,2-Dichloropropane	ND		ug/kg	3.2	0.21	1
Dibromochloromethane	ND		ug/kg	0.91	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.28	1
Tetrachloroethene	ND		ug/kg	0.91	0.28	1
Chlorobenzene	ND		ug/kg	0.91	0.32	1
Trichlorofluoromethane	ND		ug/kg	4.6	0.38	1
1,2-Dichloroethane	ND		ug/kg	0.91	0.22	1
1,1,1-Trichloroethane	ND		ug/kg	0.91	0.32	1
Bromodichloromethane	ND		ug/kg	0.91	0.28	1
trans-1,3-Dichloropropene	ND		ug/kg	0.91	0.19	1
cis-1,3-Dichloropropene	ND		ug/kg	0.91	0.21	1
1,3-Dichloropropene, Total	ND		ug/kg	0.91	0.19	1
1,1-Dichloropropene	ND		ug/kg	4.6	0.30	1
Bromoform	ND		ug/kg	3.6	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.91	0.27	1
Benzene	ND		ug/kg	0.91	0.18	1
Toluene	ND		ug/kg	1.4	0.18	1
Ethylbenzene	ND		ug/kg	0.91	0.16	1
Chloromethane	ND		ug/kg	4.6	0.40	1
Bromomethane	ND		ug/kg	1.8	0.31	1
Vinyl chloride	ND		ug/kg	1.8	0.29	1
Chloroethane	ND		ug/kg	1.8	0.29	1
1,1-Dichloroethene	ND		ug/kg	0.91	0.34	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.22	1

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-06

Date Collected: 05/23/18 12:00

Client ID: SB-3 (1-5)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.91	0.28	1
1,2-Dichlorobenzene	ND		ug/kg	4.6	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	4.6	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	4.6	0.17	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.14	1
p/m-Xylene	ND		ug/kg	1.8	0.32	1
o-Xylene	ND		ug/kg	1.8	0.31	1
Xylenes, Total	ND		ug/kg	1.8	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	0.91	0.31	1
1,2-Dichloroethene, Total	ND		ug/kg	0.91	0.22	1
Dibromomethane	ND		ug/kg	9.1	0.22	1
Styrene	ND		ug/kg	1.8	0.37	1
Dichlorodifluoromethane	ND		ug/kg	9.1	0.46	1
Acetone	ND		ug/kg	9.1	2.1	1
Carbon disulfide	ND		ug/kg	9.1	1.0	1
2-Butanone	ND		ug/kg	9.1	0.63	1
Vinyl acetate	ND		ug/kg	9.1	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	9.1	0.22	1
1,2,3-Trichloropropane	ND		ug/kg	9.1	0.16	1
2-Hexanone	ND		ug/kg	9.1	0.61	1
Bromochloromethane	ND		ug/kg	4.6	0.33	1
2,2-Dichloropropane	ND		ug/kg	4.6	0.41	1
1,2-Dibromoethane	ND		ug/kg	3.6	0.18	1
1,3-Dichloropropane	ND		ug/kg	4.6	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.91	0.29	1
Bromobenzene	ND		ug/kg	4.6	0.20	1
n-Butylbenzene	ND		ug/kg	0.91	0.21	1
sec-Butylbenzene	ND		ug/kg	0.91	0.20	1
tert-Butylbenzene	ND		ug/kg	4.6	0.22	1
o-Chlorotoluene	ND		ug/kg	4.6	0.20	1
p-Chlorotoluene	ND		ug/kg	4.6	0.17	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.6	0.36	1
Hexachlorobutadiene	ND		ug/kg	4.6	0.32	1
Isopropylbenzene	ND		ug/kg	0.91	0.18	1
p-Isopropyltoluene	ND		ug/kg	0.91	0.18	1
Naphthalene	ND		ug/kg	4.6	0.13	1
Acrylonitrile	ND		ug/kg	9.1	0.47	1

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS****Lab ID:** L1819157-06**Date Collected:** 05/23/18 12:00**Client ID:** SB-3 (1-5)**Date Received:** 05/24/18**Sample Location:** BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.91	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.6	0.23	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.6	0.20	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.6	0.15	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.6	0.17	1
1,4-Dioxane	ND		ug/kg	36	13.	1
p-Diethylbenzene	ND		ug/kg	3.6	3.6	1
p-Ethyltoluene	ND		ug/kg	3.6	0.21	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.6	0.14	1
Ethyl ether	ND		ug/kg	4.6	0.24	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.6	0.36	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	120		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	107		70-130

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-07

Date Collected: 05/23/18 14:05

Client ID: SB-1 (1-5)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 05/31/18 11:04

Analyst: MV

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	1.8	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.29	1
Chloroform	ND		ug/kg	1.6	0.39	1
Carbon tetrachloride	ND		ug/kg	1.1	0.37	1
1,2-Dichloropropane	ND		ug/kg	3.7	0.24	1
Dibromochloromethane	ND		ug/kg	1.1	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.33	1
Tetrachloroethene	ND		ug/kg	1.1	0.32	1
Chlorobenzene	ND		ug/kg	1.1	0.37	1
Trichlorofluoromethane	ND		ug/kg	5.3	0.44	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.37	1
Bromodichloromethane	ND		ug/kg	1.1	0.33	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.22	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.25	1
1,3-Dichloropropene, Total	ND		ug/kg	1.1	0.22	1
1,1-Dichloropropene	ND		ug/kg	5.3	0.35	1
Bromoform	ND		ug/kg	4.3	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.32	1
Benzene	ND		ug/kg	1.1	0.20	1
Toluene	ND		ug/kg	1.6	0.21	1
Ethylbenzene	ND		ug/kg	1.1	0.18	1
Chloromethane	ND		ug/kg	5.3	0.46	1
Bromomethane	ND		ug/kg	2.1	0.36	1
Vinyl chloride	ND		ug/kg	2.1	0.34	1
Chloroethane	ND		ug/kg	2.1	0.34	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.40	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.26	1

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-07

Date Collected: 05/23/18 14:05

Client ID: SB-1 (1-5)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	1.1	0.32	1
1,2-Dichlorobenzene	ND		ug/kg	5.3	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	5.3	0.23	1
1,4-Dichlorobenzene	ND		ug/kg	5.3	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.16	1
p/m-Xylene	ND		ug/kg	2.1	0.37	1
o-Xylene	ND		ug/kg	2.1	0.36	1
Xylenes, Total	ND		ug/kg	2.1	0.36	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.36	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.26	1
Dibromomethane	ND		ug/kg	11	0.25	1
Styrene	ND		ug/kg	2.1	0.43	1
Dichlorodifluoromethane	ND		ug/kg	11	0.53	1
Acetone	ND		ug/kg	11	2.4	1
Carbon disulfide	ND		ug/kg	11	1.2	1
2-Butanone	ND		ug/kg	11	0.74	1
Vinyl acetate	ND		ug/kg	11	0.16	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.26	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.19	1
2-Hexanone	ND		ug/kg	11	0.71	1
Bromochloromethane	ND		ug/kg	5.3	0.38	1
2,2-Dichloropropane	ND		ug/kg	5.3	0.48	1
1,2-Dibromoethane	ND		ug/kg	4.3	0.21	1
1,3-Dichloropropane	ND		ug/kg	5.3	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.34	1
Bromobenzene	ND		ug/kg	5.3	0.23	1
n-Butylbenzene	ND		ug/kg	1.1	0.24	1
sec-Butylbenzene	ND		ug/kg	1.1	0.23	1
tert-Butylbenzene	ND		ug/kg	5.3	0.26	1
o-Chlorotoluene	ND		ug/kg	5.3	0.24	1
p-Chlorotoluene	ND		ug/kg	5.3	0.20	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.3	0.42	1
Hexachlorobutadiene	ND		ug/kg	5.3	0.37	1
Isopropylbenzene	ND		ug/kg	1.1	0.21	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.22	1
Naphthalene	ND		ug/kg	5.3	0.15	1
Acrylonitrile	ND		ug/kg	11	0.55	1

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS****Lab ID:** L1819157-07**Date Collected:** 05/23/18 14:05**Client ID:** SB-1 (1-5)**Date Received:** 05/24/18**Sample Location:** BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.23	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.3	0.27	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.3	0.23	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.3	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.3	0.20	1
1,4-Dioxane	ND		ug/kg	43	15.	1
p-Diethylbenzene	ND		ug/kg	4.3	4.3	1
p-Ethyltoluene	ND		ug/kg	4.3	0.25	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.3	0.17	1
Ethyl ether	ND		ug/kg	5.3	0.28	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.3	0.42	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	125		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	107		70-130

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-08

Date Collected: 05/23/18 14:50

Client ID: SB-1 (20-21)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 05/30/18 22:58

Analyst: MV

Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	2.2	J	ug/kg	11	1.8	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.29	1
Chloroform	ND		ug/kg	1.6	0.40	1
Carbon tetrachloride	ND		ug/kg	1.1	0.37	1
1,2-Dichloropropane	ND		ug/kg	3.7	0.24	1
Dibromochloromethane	ND		ug/kg	1.1	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.34	1
Tetrachloroethene	45		ug/kg	1.1	0.32	1
Chlorobenzene	ND		ug/kg	1.1	0.37	1
Trichlorofluoromethane	ND		ug/kg	5.4	0.45	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.37	1
Bromodichloromethane	ND		ug/kg	1.1	0.33	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.22	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.25	1
1,3-Dichloropropene, Total	ND		ug/kg	1.1	0.22	1
1,1-Dichloropropene	ND		ug/kg	5.4	0.35	1
Bromoform	ND		ug/kg	4.3	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.32	1
Benzene	ND		ug/kg	1.1	0.21	1
Toluene	ND		ug/kg	1.6	0.21	1
Ethylbenzene	ND		ug/kg	1.1	0.18	1
Chloromethane	ND		ug/kg	5.4	0.47	1
Bromomethane	ND		ug/kg	2.1	0.36	1
Vinyl chloride	ND		ug/kg	2.1	0.34	1
Chloroethane	ND		ug/kg	2.1	0.34	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.40	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.26	1

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-08

Date Collected: 05/23/18 14:50

Client ID: SB-1 (20-21)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	2.2		ug/kg	1.1	0.32	1
1,2-Dichlorobenzene	ND		ug/kg	5.4	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	5.4	0.23	1
1,4-Dichlorobenzene	ND		ug/kg	5.4	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.16	1
p/m-Xylene	ND		ug/kg	2.1	0.38	1
o-Xylene	ND		ug/kg	2.1	0.36	1
Xylenes, Total	ND		ug/kg	2.1	0.36	1
cis-1,2-Dichloroethene	0.90	J	ug/kg	1.1	0.37	1
1,2-Dichloroethene, Total	0.90	J	ug/kg	1.1	0.26	1
Dibromomethane	ND		ug/kg	11	0.26	1
Styrene	ND		ug/kg	2.1	0.43	1
Dichlorodifluoromethane	ND		ug/kg	11	0.54	1
Acetone	ND		ug/kg	11	2.4	1
Carbon disulfide	ND		ug/kg	11	1.2	1
2-Butanone	ND		ug/kg	11	0.74	1
Vinyl acetate	ND		ug/kg	11	0.16	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.26	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.19	1
2-Hexanone	ND		ug/kg	11	0.71	1
Bromochloromethane	ND		ug/kg	5.4	0.38	1
2,2-Dichloropropane	ND		ug/kg	5.4	0.48	1
1,2-Dibromoethane	ND		ug/kg	4.3	0.21	1
1,3-Dichloropropane	ND		ug/kg	5.4	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.34	1
Bromobenzene	ND		ug/kg	5.4	0.23	1
n-Butylbenzene	ND		ug/kg	1.1	0.24	1
sec-Butylbenzene	ND		ug/kg	1.1	0.23	1
tert-Butylbenzene	ND		ug/kg	5.4	0.26	1
o-Chlorotoluene	ND		ug/kg	5.4	0.24	1
p-Chlorotoluene	ND		ug/kg	5.4	0.20	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.4	0.42	1
Hexachlorobutadiene	ND		ug/kg	5.4	0.37	1
Isopropylbenzene	ND		ug/kg	1.1	0.21	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.22	1
Naphthalene	ND		ug/kg	5.4	0.15	1
Acrylonitrile	ND		ug/kg	11	0.55	1

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-08

Date Collected: 05/23/18 14:50

Client ID: SB-1 (20-21)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.23	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.4	0.27	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.4	0.23	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.4	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.4	0.20	1
1,4-Dioxane	ND		ug/kg	43	15.	1
p-Diethylbenzene	ND		ug/kg	4.3	4.3	1
p-Ethyltoluene	ND		ug/kg	4.3	0.25	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.3	0.17	1
Ethyl ether	ND		ug/kg	5.4	0.28	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.4	0.42	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	120		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	109		70-130

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-09
 Client ID: SB-1 (20-21) DUP
 Sample Location: BRONX, NY

Date Collected: 05/23/18 14:55
 Date Received: 05/24/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 05/30/18 23:24
 Analyst: MV
 Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	2.7	J	ug/kg	11	1.8	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.29	1
Chloroform	ND		ug/kg	1.6	0.40	1
Carbon tetrachloride	ND		ug/kg	1.1	0.37	1
1,2-Dichloropropane	ND		ug/kg	3.8	0.25	1
Dibromochloromethane	ND		ug/kg	1.1	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.34	1
Tetrachloroethene	28		ug/kg	1.1	0.33	1
Chlorobenzene	ND		ug/kg	1.1	0.38	1
Trichlorofluoromethane	ND		ug/kg	5.4	0.45	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.38	1
Bromodichloromethane	ND		ug/kg	1.1	0.33	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.22	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.25	1
1,3-Dichloropropene, Total	ND		ug/kg	1.1	0.22	1
1,1-Dichloropropene	ND		ug/kg	5.4	0.36	1
Bromoform	ND		ug/kg	4.3	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.32	1
Benzene	ND		ug/kg	1.1	0.21	1
Toluene	ND		ug/kg	1.6	0.21	1
Ethylbenzene	ND		ug/kg	1.1	0.18	1
Chloromethane	ND		ug/kg	5.4	0.47	1
Bromomethane	ND		ug/kg	2.2	0.37	1
Vinyl chloride	ND		ug/kg	2.2	0.34	1
Chloroethane	ND		ug/kg	2.2	0.34	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.40	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.26	1

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-09
 Client ID: SB-1 (20-21) DUP
 Sample Location: BRONX, NY

Date Collected: 05/23/18 14:55
 Date Received: 05/24/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	0.86	J	ug/kg	1.1	0.33	1
1,2-Dichlorobenzene	ND		ug/kg	5.4	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	5.4	0.24	1
1,4-Dichlorobenzene	ND		ug/kg	5.4	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.17	1
p/m-Xylene	ND		ug/kg	2.2	0.38	1
o-Xylene	ND		ug/kg	2.2	0.37	1
Xylenes, Total	ND		ug/kg	2.2	0.37	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.37	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.26	1
Dibromomethane	ND		ug/kg	11	0.26	1
Styrene	ND		ug/kg	2.2	0.44	1
Dichlorodifluoromethane	ND		ug/kg	11	0.54	1
Acetone	ND		ug/kg	11	2.5	1
Carbon disulfide	ND		ug/kg	11	1.2	1
2-Butanone	ND		ug/kg	11	0.75	1
Vinyl acetate	ND		ug/kg	11	0.17	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.26	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.19	1
2-Hexanone	ND		ug/kg	11	0.72	1
Bromochloromethane	ND		ug/kg	5.4	0.39	1
2,2-Dichloropropane	ND		ug/kg	5.4	0.49	1
1,2-Dibromoethane	ND		ug/kg	4.3	0.22	1
1,3-Dichloropropane	ND		ug/kg	5.4	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.34	1
Bromobenzene	ND		ug/kg	5.4	0.24	1
n-Butylbenzene	ND		ug/kg	1.1	0.25	1
sec-Butylbenzene	ND		ug/kg	1.1	0.24	1
tert-Butylbenzene	ND		ug/kg	5.4	0.27	1
o-Chlorotoluene	ND		ug/kg	5.4	0.24	1
p-Chlorotoluene	ND		ug/kg	5.4	0.20	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.4	0.43	1
Hexachlorobutadiene	ND		ug/kg	5.4	0.38	1
Isopropylbenzene	ND		ug/kg	1.1	0.21	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.22	1
Naphthalene	ND		ug/kg	5.4	0.15	1
Acrylonitrile	ND		ug/kg	11	0.56	1

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-09
 Client ID: SB-1 (20-21) DUP
 Sample Location: BRONX, NY

Date Collected: 05/23/18 14:55
 Date Received: 05/24/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.23	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.4	0.27	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.4	0.23	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.4	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.4	0.20	1
1,4-Dioxane	ND		ug/kg	43	16.	1
p-Diethylbenzene	ND		ug/kg	4.3	4.3	1
p-Ethyltoluene	ND		ug/kg	4.3	0.25	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.3	0.17	1
Ethyl ether	ND		ug/kg	5.4	0.28	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.4	0.42	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	107		70-130

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-10

Date Collected: 05/23/18 15:25

Client ID: SB-4 (0-5)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 05/30/18 23:50

Analyst: MV

Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	1.8	J	ug/kg	9.8	1.6	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.26	1
Chloroform	ND		ug/kg	1.5	0.36	1
Carbon tetrachloride	ND		ug/kg	0.98	0.34	1
1,2-Dichloropropane	ND		ug/kg	3.4	0.22	1
Dibromochloromethane	ND		ug/kg	0.98	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30	1
Tetrachloroethene	ND		ug/kg	0.98	0.29	1
Chlorobenzene	ND		ug/kg	0.98	0.34	1
Trichlorofluoromethane	ND		ug/kg	4.9	0.41	1
1,2-Dichloroethane	ND		ug/kg	0.98	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.98	0.34	1
Bromodichloromethane	ND		ug/kg	0.98	0.30	1
trans-1,3-Dichloropropene	ND		ug/kg	0.98	0.20	1
cis-1,3-Dichloropropene	ND		ug/kg	0.98	0.22	1
1,3-Dichloropropene, Total	ND		ug/kg	0.98	0.20	1
1,1-Dichloropropene	ND		ug/kg	4.9	0.32	1
Bromoform	ND		ug/kg	3.9	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.98	0.29	1
Benzene	ND		ug/kg	0.98	0.19	1
Toluene	ND		ug/kg	1.5	0.19	1
Ethylbenzene	ND		ug/kg	0.98	0.16	1
Chloromethane	ND		ug/kg	4.9	0.42	1
Bromomethane	ND		ug/kg	2.0	0.33	1
Vinyl chloride	ND		ug/kg	2.0	0.31	1
Chloroethane	ND		ug/kg	2.0	0.31	1
1,1-Dichloroethene	ND		ug/kg	0.98	0.36	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.24	1

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-10

Date Collected: 05/23/18 15:25

Client ID: SB-4 (0-5)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.98	0.29	1
1,2-Dichlorobenzene	ND		ug/kg	4.9	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	4.9	0.21	1
1,4-Dichlorobenzene	ND		ug/kg	4.9	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.15	1
p/m-Xylene	ND		ug/kg	2.0	0.34	1
o-Xylene	ND		ug/kg	2.0	0.33	1
Xylenes, Total	ND		ug/kg	2.0	0.33	1
cis-1,2-Dichloroethene	ND		ug/kg	0.98	0.33	1
1,2-Dichloroethene, Total	ND		ug/kg	0.98	0.24	1
Dibromomethane	ND		ug/kg	9.8	0.23	1
Styrene	ND		ug/kg	2.0	0.39	1
Dichlorodifluoromethane	ND		ug/kg	9.8	0.49	1
Acetone	ND		ug/kg	9.8	2.2	1
Carbon disulfide	ND		ug/kg	9.8	1.1	1
2-Butanone	ND		ug/kg	9.8	0.67	1
Vinyl acetate	ND		ug/kg	9.8	0.15	1
4-Methyl-2-pentanone	ND		ug/kg	9.8	0.24	1
1,2,3-Trichloropropane	ND		ug/kg	9.8	0.17	1
2-Hexanone	ND		ug/kg	9.8	0.65	1
Bromochloromethane	ND		ug/kg	4.9	0.35	1
2,2-Dichloropropane	ND		ug/kg	4.9	0.44	1
1,2-Dibromoethane	ND		ug/kg	3.9	0.19	1
1,3-Dichloropropane	ND		ug/kg	4.9	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.98	0.31	1
Bromobenzene	ND		ug/kg	4.9	0.21	1
n-Butylbenzene	ND		ug/kg	0.98	0.22	1
sec-Butylbenzene	ND		ug/kg	0.98	0.21	1
tert-Butylbenzene	ND		ug/kg	4.9	0.24	1
o-Chlorotoluene	ND		ug/kg	4.9	0.22	1
p-Chlorotoluene	ND		ug/kg	4.9	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.9	0.39	1
Hexachlorobutadiene	ND		ug/kg	4.9	0.34	1
Isopropylbenzene	ND		ug/kg	0.98	0.19	1
p-Isopropyltoluene	ND		ug/kg	0.98	0.20	1
Naphthalene	ND		ug/kg	4.9	0.13	1
Acrylonitrile	ND		ug/kg	9.8	0.50	1

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-10

Date Collected: 05/23/18 15:25

Client ID: SB-4 (0-5)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.98	0.21	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.9	0.24	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.9	0.21	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.9	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.9	0.18	1
1,4-Dioxane	ND		ug/kg	39	14.	1
p-Diethylbenzene	ND		ug/kg	3.9	3.9	1
p-Ethyltoluene	ND		ug/kg	3.9	0.23	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.9	0.15	1
Ethyl ether	ND		ug/kg	4.9	0.25	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.9	0.38	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	122		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	107		70-130

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-11

Date Collected: 05/23/18 15:50

Client ID: SB-4 (18-20)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 05/31/18 00:16

Analyst: MV

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.0	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.32	1
Chloroform	ND		ug/kg	1.8	0.44	1
Carbon tetrachloride	ND		ug/kg	1.2	0.41	1
1,2-Dichloropropane	ND		ug/kg	4.1	0.27	1
Dibromochloromethane	ND		ug/kg	1.2	0.21	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.37	1
Tetrachloroethene	ND		ug/kg	1.2	0.36	1
Chlorobenzene	ND		ug/kg	1.2	0.41	1
Trichlorofluoromethane	ND		ug/kg	5.9	0.49	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.29	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.41	1
Bromodichloromethane	ND		ug/kg	1.2	0.36	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.24	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.27	1
1,3-Dichloropropene, Total	ND		ug/kg	1.2	0.24	1
1,1-Dichloropropene	ND		ug/kg	5.9	0.39	1
Bromoform	ND		ug/kg	4.7	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.35	1
Benzene	ND		ug/kg	1.2	0.23	1
Toluene	ND		ug/kg	1.8	0.23	1
Ethylbenzene	ND		ug/kg	1.2	0.20	1
Chloromethane	ND		ug/kg	5.9	0.52	1
Bromomethane	ND		ug/kg	2.4	0.40	1
Vinyl chloride	ND		ug/kg	2.4	0.37	1
Chloroethane	ND		ug/kg	2.4	0.37	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.44	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.28	1

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-11

Date Collected: 05/23/18 15:50

Client ID: SB-4 (18-20)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	1.2	0.36	1
1,2-Dichlorobenzene	ND		ug/kg	5.9	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	5.9	0.26	1
1,4-Dichlorobenzene	ND		ug/kg	5.9	0.22	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.18	1
p/m-Xylene	ND		ug/kg	2.4	0.41	1
o-Xylene	ND		ug/kg	2.4	0.40	1
Xylenes, Total	ND		ug/kg	2.4	0.40	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.40	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.28	1
Dibromomethane	ND		ug/kg	12	0.28	1
Styrene	ND		ug/kg	2.4	0.47	1
Dichlorodifluoromethane	ND		ug/kg	12	0.59	1
Acetone	ND		ug/kg	12	2.7	1
Carbon disulfide	ND		ug/kg	12	1.3	1
2-Butanone	ND		ug/kg	12	0.82	1
Vinyl acetate	ND		ug/kg	12	0.18	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.29	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.21	1
2-Hexanone	ND		ug/kg	12	0.79	1
Bromochloromethane	ND		ug/kg	5.9	0.42	1
2,2-Dichloropropane	ND		ug/kg	5.9	0.53	1
1,2-Dibromoethane	ND		ug/kg	4.7	0.24	1
1,3-Dichloropropane	ND		ug/kg	5.9	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.38	1
Bromobenzene	ND		ug/kg	5.9	0.26	1
n-Butylbenzene	ND		ug/kg	1.2	0.27	1
sec-Butylbenzene	ND		ug/kg	1.2	0.26	1
tert-Butylbenzene	ND		ug/kg	5.9	0.29	1
o-Chlorotoluene	ND		ug/kg	5.9	0.26	1
p-Chlorotoluene	ND		ug/kg	5.9	0.22	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.9	0.47	1
Hexachlorobutadiene	ND		ug/kg	5.9	0.41	1
Isopropylbenzene	ND		ug/kg	1.2	0.23	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.24	1
Naphthalene	ND		ug/kg	5.9	0.16	1
Acrylonitrile	ND		ug/kg	12	0.61	1

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS****Lab ID:** L1819157-11**Date Collected:** 05/23/18 15:50**Client ID:** SB-4 (18-20)**Date Received:** 05/24/18**Sample Location:** BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.2	0.25	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.9	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.9	0.25	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.9	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.9	0.22	1
1,4-Dioxane	ND		ug/kg	47	17.	1
p-Diethylbenzene	ND		ug/kg	4.7	4.7	1
p-Ethyltoluene	ND		ug/kg	4.7	0.28	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.7	0.18	1
Ethyl ether	ND		ug/kg	5.9	0.31	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.9	0.46	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	122		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	109		70-130

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-12

Date Collected: 05/23/18 13:36

Client ID: S1-S (0-0.5)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 05/31/18 00:42

Analyst: MV

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	2.6	J	ug/kg	15	2.5	1
1,1-Dichloroethane	ND		ug/kg	2.3	0.41	1
Chloroform	ND		ug/kg	2.3	0.56	1
Carbon tetrachloride	ND		ug/kg	1.5	0.52	1
1,2-Dichloropropane	ND		ug/kg	5.3	0.34	1
Dibromochloromethane	ND		ug/kg	1.5	0.27	1
1,1,2-Trichloroethane	ND		ug/kg	2.3	0.47	1
Tetrachloroethene	28		ug/kg	1.5	0.46	1
Chlorobenzene	ND		ug/kg	1.5	0.53	1
Trichlorofluoromethane	ND		ug/kg	7.6	0.63	1
1,2-Dichloroethane	ND		ug/kg	1.5	0.37	1
1,1,1-Trichloroethane	ND		ug/kg	1.5	0.53	1
Bromodichloromethane	ND		ug/kg	1.5	0.47	1
trans-1,3-Dichloropropene	ND		ug/kg	1.5	0.31	1
cis-1,3-Dichloropropene	ND		ug/kg	1.5	0.35	1
1,3-Dichloropropene, Total	ND		ug/kg	1.5	0.31	1
1,1-Dichloropropene	ND		ug/kg	7.6	0.50	1
Bromoform	ND		ug/kg	6.0	0.36	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.5	0.45	1
Benzene	ND		ug/kg	1.5	0.29	1
Toluene	ND		ug/kg	2.3	0.30	1
Ethylbenzene	ND		ug/kg	1.5	0.26	1
Chloromethane	ND		ug/kg	7.6	0.66	1
Bromomethane	ND		ug/kg	3.0	0.51	1
Vinyl chloride	ND		ug/kg	3.0	0.48	1
Chloroethane	ND		ug/kg	3.0	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.5	0.56	1
trans-1,2-Dichloroethene	ND		ug/kg	2.3	0.36	1

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-12

Date Collected: 05/23/18 13:36

Client ID: S1-S (0-0.5)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	1.5	0.46	1
1,2-Dichlorobenzene	ND		ug/kg	7.6	0.28	1
1,3-Dichlorobenzene	ND		ug/kg	7.6	0.33	1
1,4-Dichlorobenzene	ND		ug/kg	7.6	0.28	1
Methyl tert butyl ether	ND		ug/kg	3.0	0.23	1
p/m-Xylene	ND		ug/kg	3.0	0.53	1
o-Xylene	ND		ug/kg	3.0	0.51	1
Xylenes, Total	ND		ug/kg	3.0	0.51	1
cis-1,2-Dichloroethene	ND		ug/kg	1.5	0.52	1
1,2-Dichloroethene, Total	ND		ug/kg	1.5	0.36	1
Dibromomethane	ND		ug/kg	15	0.36	1
Styrene	ND		ug/kg	3.0	0.61	1
Dichlorodifluoromethane	ND		ug/kg	15	0.76	1
Acetone	ND		ug/kg	15	3.5	1
Carbon disulfide	ND		ug/kg	15	1.7	1
2-Butanone	ND		ug/kg	15	1.0	1
Vinyl acetate	ND		ug/kg	15	0.23	1
4-Methyl-2-pentanone	ND		ug/kg	15	0.37	1
1,2,3-Trichloropropane	ND		ug/kg	15	0.27	1
2-Hexanone	ND		ug/kg	15	1.0	1
Bromochloromethane	ND		ug/kg	7.6	0.54	1
2,2-Dichloropropane	ND		ug/kg	7.6	0.68	1
1,2-Dibromoethane	ND		ug/kg	6.0	0.30	1
1,3-Dichloropropane	ND		ug/kg	7.6	0.28	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.5	0.48	1
Bromobenzene	ND		ug/kg	7.6	0.33	1
n-Butylbenzene	ND		ug/kg	1.5	0.34	1
sec-Butylbenzene	ND		ug/kg	1.5	0.33	1
tert-Butylbenzene	ND		ug/kg	7.6	0.37	1
o-Chlorotoluene	ND		ug/kg	7.6	0.33	1
p-Chlorotoluene	ND		ug/kg	7.6	0.28	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.6	0.60	1
Hexachlorobutadiene	ND		ug/kg	7.6	0.53	1
Isopropylbenzene	ND		ug/kg	1.5	0.29	1
p-Isopropyltoluene	ND		ug/kg	1.5	0.30	1
Naphthalene	ND		ug/kg	7.6	0.21	1
Acrylonitrile	ND		ug/kg	15	0.78	1

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS****Lab ID:** L1819157-12**Date Collected:** 05/23/18 13:36**Client ID:** S1-S (0-0.5)**Date Received:** 05/24/18**Sample Location:** BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.5	0.32	1
1,2,3-Trichlorobenzene	ND		ug/kg	7.6	0.38	1
1,2,4-Trichlorobenzene	ND		ug/kg	7.6	0.32	1
1,3,5-Trimethylbenzene	ND		ug/kg	7.6	0.24	1
1,2,4-Trimethylbenzene	ND		ug/kg	7.6	0.28	1
1,4-Dioxane	ND		ug/kg	60	22.	1
p-Diethylbenzene	ND		ug/kg	6.0	6.0	1
p-Ethyltoluene	ND		ug/kg	6.0	0.35	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	6.0	0.24	1
Ethyl ether	ND		ug/kg	7.6	0.39	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.6	0.59	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	104		70-130

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-13

Date Collected: 05/23/18 13:44

Client ID: S1-E (0-0.5)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 05/31/18 01:08

Analyst: MV

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	4.7	J	ug/kg	18	3.0	1
1,1-Dichloroethane	ND		ug/kg	2.8	0.50	1
Chloroform	ND		ug/kg	2.8	0.68	1
Carbon tetrachloride	ND		ug/kg	1.8	0.64	1
1,2-Dichloropropane	ND		ug/kg	6.4	0.42	1
Dibromochloromethane	ND		ug/kg	1.8	0.32	1
1,1,2-Trichloroethane	ND		ug/kg	2.8	0.58	1
Tetrachloroethene	7.7		ug/kg	1.8	0.56	1
Chlorobenzene	ND		ug/kg	1.8	0.64	1
Trichlorofluoromethane	ND		ug/kg	9.2	0.77	1
1,2-Dichloroethane	ND		ug/kg	1.8	0.45	1
1,1,1-Trichloroethane	ND		ug/kg	1.8	0.64	1
Bromodichloromethane	ND		ug/kg	1.8	0.57	1
trans-1,3-Dichloropropene	ND		ug/kg	1.8	0.38	1
cis-1,3-Dichloropropene	ND		ug/kg	1.8	0.43	1
1,3-Dichloropropene, Total	ND		ug/kg	1.8	0.38	1
1,1-Dichloropropene	ND		ug/kg	9.2	0.60	1
Bromoform	ND		ug/kg	7.4	0.44	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.8	0.55	1
Benzene	ND		ug/kg	1.8	0.36	1
Toluene	ND		ug/kg	2.8	0.36	1
Ethylbenzene	ND		ug/kg	1.8	0.31	1
Chloromethane	ND		ug/kg	9.2	0.80	1
Bromomethane	ND		ug/kg	3.7	0.62	1
Vinyl chloride	ND		ug/kg	3.7	0.58	1
Chloroethane	ND		ug/kg	3.7	0.58	1
1,1-Dichloroethene	ND		ug/kg	1.8	0.69	1
trans-1,2-Dichloroethene	ND		ug/kg	2.8	0.44	1

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-13

Date Collected: 05/23/18 13:44

Client ID: S1-E (0-0.5)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	1.8	0.56	1
1,2-Dichlorobenzene	ND		ug/kg	9.2	0.34	1
1,3-Dichlorobenzene	ND		ug/kg	9.2	0.40	1
1,4-Dichlorobenzene	ND		ug/kg	9.2	0.34	1
Methyl tert butyl ether	ND		ug/kg	3.7	0.28	1
p/m-Xylene	ND		ug/kg	3.7	0.65	1
o-Xylene	ND		ug/kg	3.7	0.62	1
Xylenes, Total	ND		ug/kg	3.7	0.62	1
cis-1,2-Dichloroethene	ND		ug/kg	1.8	0.63	1
1,2-Dichloroethene, Total	ND		ug/kg	1.8	0.44	1
Dibromomethane	ND		ug/kg	18	0.44	1
Styrene	ND		ug/kg	3.7	0.74	1
Dichlorodifluoromethane	ND		ug/kg	18	0.92	1
Acetone	64		ug/kg	18	4.2	1
Carbon disulfide	ND		ug/kg	18	2.0	1
2-Butanone	ND		ug/kg	18	1.3	1
Vinyl acetate	ND		ug/kg	18	0.28	1
4-Methyl-2-pentanone	ND		ug/kg	18	0.45	1
1,2,3-Trichloropropane	ND		ug/kg	18	0.33	1
2-Hexanone	ND		ug/kg	18	1.2	1
Bromochloromethane	ND		ug/kg	9.2	0.66	1
2,2-Dichloropropane	ND		ug/kg	9.2	0.83	1
1,2-Dibromoethane	ND		ug/kg	7.4	0.37	1
1,3-Dichloropropane	ND		ug/kg	9.2	0.34	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.8	0.59	1
Bromobenzene	ND		ug/kg	9.2	0.40	1
n-Butylbenzene	ND		ug/kg	1.8	0.42	1
sec-Butylbenzene	ND		ug/kg	1.8	0.40	1
tert-Butylbenzene	ND		ug/kg	9.2	0.46	1
o-Chlorotoluene	ND		ug/kg	9.2	0.41	1
p-Chlorotoluene	ND		ug/kg	9.2	0.34	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	9.2	0.73	1
Hexachlorobutadiene	ND		ug/kg	9.2	0.64	1
Isopropylbenzene	ND		ug/kg	1.8	0.36	1
p-Isopropyltoluene	ND		ug/kg	1.8	0.37	1
Naphthalene	ND		ug/kg	9.2	0.25	1
Acrylonitrile	ND		ug/kg	18	0.95	1

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS****Lab ID:** L1819157-13**Date Collected:** 05/23/18 13:44**Client ID:** S1-E (0-0.5)**Date Received:** 05/24/18**Sample Location:** BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.8	0.40	1
1,2,3-Trichlorobenzene	ND		ug/kg	9.2	0.46	1
1,2,4-Trichlorobenzene	ND		ug/kg	9.2	0.40	1
1,3,5-Trimethylbenzene	ND		ug/kg	9.2	0.30	1
1,2,4-Trimethylbenzene	ND		ug/kg	9.2	0.34	1
1,4-Dioxane	ND		ug/kg	74	26.	1
p-Diethylbenzene	ND		ug/kg	7.4	7.4	1
p-Ethyltoluene	ND		ug/kg	7.4	0.43	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	7.4	0.29	1
Ethyl ether	ND		ug/kg	9.2	0.48	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	9.2	0.72	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	95		70-130

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-14

Date Collected: 05/23/18 13:57

Client ID: S1-C (0.5-1)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 05/31/18 01:34

Analyst: MV

Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	1.8	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.29	1
Chloroform	ND		ug/kg	1.6	0.40	1
Carbon tetrachloride	ND		ug/kg	1.1	0.37	1
1,2-Dichloropropane	ND		ug/kg	3.8	0.24	1
Dibromochloromethane	ND		ug/kg	1.1	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.34	1
Tetrachloroethene	1.5		ug/kg	1.1	0.32	1
Chlorobenzene	ND		ug/kg	1.1	0.37	1
Trichlorofluoromethane	ND		ug/kg	5.4	0.45	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.38	1
Bromodichloromethane	ND		ug/kg	1.1	0.33	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.22	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.25	1
1,3-Dichloropropene, Total	ND		ug/kg	1.1	0.22	1
1,1-Dichloropropene	ND		ug/kg	5.4	0.35	1
Bromoform	ND		ug/kg	4.3	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.32	1
Benzene	ND		ug/kg	1.1	0.21	1
Toluene	ND		ug/kg	1.6	0.21	1
Ethylbenzene	ND		ug/kg	1.1	0.18	1
Chloromethane	ND		ug/kg	5.4	0.47	1
Bromomethane	ND		ug/kg	2.1	0.36	1
Vinyl chloride	ND		ug/kg	2.1	0.34	1
Chloroethane	ND		ug/kg	2.1	0.34	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.40	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.26	1

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-14

Date Collected: 05/23/18 13:57

Client ID: S1-C (0.5-1)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	1.1	0.32	1
1,2-Dichlorobenzene	ND		ug/kg	5.4	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	5.4	0.23	1
1,4-Dichlorobenzene	ND		ug/kg	5.4	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.16	1
p/m-Xylene	ND		ug/kg	2.1	0.38	1
o-Xylene	ND		ug/kg	2.1	0.36	1
Xylenes, Total	ND		ug/kg	2.1	0.36	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.37	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.26	1
Dibromomethane	ND		ug/kg	11	0.26	1
Styrene	ND		ug/kg	2.1	0.43	1
Dichlorodifluoromethane	ND		ug/kg	11	0.54	1
Acetone	ND		ug/kg	11	2.4	1
Carbon disulfide	ND		ug/kg	11	1.2	1
2-Butanone	ND		ug/kg	11	0.74	1
Vinyl acetate	ND		ug/kg	11	0.16	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.26	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.19	1
2-Hexanone	ND		ug/kg	11	0.71	1
Bromochloromethane	ND		ug/kg	5.4	0.38	1
2,2-Dichloropropane	ND		ug/kg	5.4	0.48	1
1,2-Dibromoethane	ND		ug/kg	4.3	0.21	1
1,3-Dichloropropane	ND		ug/kg	5.4	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.34	1
Bromobenzene	ND		ug/kg	5.4	0.23	1
n-Butylbenzene	ND		ug/kg	1.1	0.24	1
sec-Butylbenzene	ND		ug/kg	1.1	0.23	1
tert-Butylbenzene	ND		ug/kg	5.4	0.26	1
o-Chlorotoluene	ND		ug/kg	5.4	0.24	1
p-Chlorotoluene	ND		ug/kg	5.4	0.20	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.4	0.42	1
Hexachlorobutadiene	ND		ug/kg	5.4	0.37	1
Isopropylbenzene	ND		ug/kg	1.1	0.21	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.22	1
Naphthalene	ND		ug/kg	5.4	0.15	1
Acrylonitrile	ND		ug/kg	11	0.55	1

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS****Lab ID:** L1819157-14**Date Collected:** 05/23/18 13:57**Client ID:** S1-C (0.5-1)**Date Received:** 05/24/18**Sample Location:** BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.23	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.4	0.27	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.4	0.23	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.4	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.4	0.20	1
1,4-Dioxane	ND		ug/kg	43	15.	1
p-Diethylbenzene	ND		ug/kg	4.3	4.3	1
p-Ethyltoluene	ND		ug/kg	4.3	0.25	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.3	0.17	1
Ethyl ether	ND		ug/kg	5.4	0.28	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.4	0.42	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	125		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	107		70-130

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-15

Date Collected: 05/23/18 14:07

Client ID: S1-N (0.5-1.5)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 05/31/18 02:00

Analyst: MV

Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.0	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.33	1
Chloroform	ND		ug/kg	1.8	0.45	1
Carbon tetrachloride	ND		ug/kg	1.2	0.42	1
1,2-Dichloropropane	ND		ug/kg	4.2	0.28	1
Dibromochloromethane	ND		ug/kg	1.2	0.21	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.38	1
Tetrachloroethene	7.0		ug/kg	1.2	0.37	1
Chlorobenzene	ND		ug/kg	1.2	0.42	1
Trichlorofluoromethane	ND		ug/kg	6.1	0.50	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.42	1
Bromodichloromethane	ND		ug/kg	1.2	0.37	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.25	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.28	1
1,3-Dichloropropene, Total	ND		ug/kg	1.2	0.25	1
1,1-Dichloropropene	ND		ug/kg	6.1	0.40	1
Bromoform	ND		ug/kg	4.8	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.36	1
Benzene	ND		ug/kg	1.2	0.23	1
Toluene	ND		ug/kg	1.8	0.24	1
Ethylbenzene	ND		ug/kg	1.2	0.21	1
Chloromethane	ND		ug/kg	6.1	0.53	1
Bromomethane	ND		ug/kg	2.4	0.41	1
Vinyl chloride	ND		ug/kg	2.4	0.38	1
Chloroethane	ND		ug/kg	2.4	0.38	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.45	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.29	1

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-15

Date Collected: 05/23/18 14:07

Client ID: S1-N (0.5-1.5)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	1.2	0.37	1
1,2-Dichlorobenzene	ND		ug/kg	6.1	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	6.1	0.26	1
1,4-Dichlorobenzene	ND		ug/kg	6.1	0.22	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.18	1
p/m-Xylene	ND		ug/kg	2.4	0.42	1
o-Xylene	ND		ug/kg	2.4	0.41	1
Xylenes, Total	ND		ug/kg	2.4	0.41	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.41	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.29	1
Dibromomethane	ND		ug/kg	12	0.29	1
Styrene	ND		ug/kg	2.4	0.49	1
Dichlorodifluoromethane	ND		ug/kg	12	0.61	1
Acetone	ND		ug/kg	12	2.8	1
Carbon disulfide	ND		ug/kg	12	1.3	1
2-Butanone	ND		ug/kg	12	0.84	1
Vinyl acetate	ND		ug/kg	12	0.18	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.30	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.21	1
2-Hexanone	ND		ug/kg	12	0.81	1
Bromochloromethane	ND		ug/kg	6.1	0.43	1
2,2-Dichloropropane	ND		ug/kg	6.1	0.54	1
1,2-Dibromoethane	ND		ug/kg	4.8	0.24	1
1,3-Dichloropropane	ND		ug/kg	6.1	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.38	1
Bromobenzene	ND		ug/kg	6.1	0.26	1
n-Butylbenzene	ND		ug/kg	1.2	0.28	1
sec-Butylbenzene	ND		ug/kg	1.2	0.26	1
tert-Butylbenzene	ND		ug/kg	6.1	0.30	1
o-Chlorotoluene	ND		ug/kg	6.1	0.27	1
p-Chlorotoluene	ND		ug/kg	6.1	0.22	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.1	0.48	1
Hexachlorobutadiene	ND		ug/kg	6.1	0.42	1
Isopropylbenzene	ND		ug/kg	1.2	0.24	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.24	1
Naphthalene	ND		ug/kg	6.1	0.17	1
Acrylonitrile	ND		ug/kg	12	0.62	1

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS****Lab ID:** L1819157-15**Date Collected:** 05/23/18 14:07**Client ID:** S1-N (0.5-1.5)**Date Received:** 05/24/18**Sample Location:** BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.2	0.26	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.1	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.1	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.1	0.22	1
1,4-Dioxane	ND		ug/kg	48	17.	1
p-Diethylbenzene	ND		ug/kg	4.8	4.8	1
p-Ethyltoluene	ND		ug/kg	4.8	0.28	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.8	0.19	1
Ethyl ether	ND		ug/kg	6.1	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.1	0.48	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	107		70-130

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-16

Date Collected: 05/23/18 16:00

Client ID: FIELD BLANK

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 05/31/18 09:35

Analyst: MKS

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: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-16

Date Collected: 05/23/18 16:00

Client ID: FIELD BLANK

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	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: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS****Lab ID:** L1819157-16**Date Collected:** 05/23/18 16:00**Client ID:** FIELD BLANK**Date Received:** 05/24/18**Sample Location:** BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	90		70-130

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-17

Date Collected: 05/23/18 00:00

Client ID: TRIP BLANK

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 05/31/18 10:03

Analyst: MKS

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: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-17

Date Collected: 05/23/18 00:00

Client ID: TRIP BLANK

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	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: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-17

Date Collected: 05/23/18 00:00

Client ID: TRIP BLANK

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	91		70-130

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-18

Date Collected: 05/23/18 13:22

Client ID: S1-W (0-1)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 05/31/18 11:30

Analyst: JC

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	15	2.5	1
1,1-Dichloroethane	ND		ug/kg	2.2	0.40	1
Chloroform	ND		ug/kg	2.2	0.55	1
Carbon tetrachloride	ND		ug/kg	1.5	0.52	1
1,2-Dichloropropane	ND		ug/kg	5.2	0.34	1
Dibromochloromethane	ND		ug/kg	1.5	0.26	1
1,1,2-Trichloroethane	ND		ug/kg	2.2	0.47	1
Tetrachloroethene	67		ug/kg	1.5	0.45	1
Chlorobenzene	ND		ug/kg	1.5	0.52	1
Trichlorofluoromethane	ND		ug/kg	7.5	0.62	1
1,2-Dichloroethane	ND		ug/kg	1.5	0.37	1
1,1,1-Trichloroethane	ND		ug/kg	1.5	0.52	1
Bromodichloromethane	ND		ug/kg	1.5	0.46	1
trans-1,3-Dichloropropene	ND		ug/kg	1.5	0.31	1
cis-1,3-Dichloropropene	ND		ug/kg	1.5	0.35	1
1,3-Dichloropropene, Total	ND		ug/kg	1.5	0.31	1
1,1-Dichloropropene	ND		ug/kg	7.5	0.49	1
Bromoform	ND		ug/kg	6.0	0.36	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.5	0.45	1
Benzene	ND		ug/kg	1.5	0.29	1
Toluene	ND		ug/kg	2.2	0.29	1
Ethylbenzene	ND		ug/kg	1.5	0.25	1
Chloromethane	ND		ug/kg	7.5	0.65	1
Bromomethane	ND		ug/kg	3.0	0.51	1
Vinyl chloride	ND		ug/kg	3.0	0.47	1
Chloroethane	ND		ug/kg	3.0	0.47	1
1,1-Dichloroethene	ND		ug/kg	1.5	0.56	1
trans-1,2-Dichloroethene	ND		ug/kg	2.2	0.36	1

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-18

Date Collected: 05/23/18 13:22

Client ID: S1-W (0-1)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	0.72	J	ug/kg	1.5	0.45	1
1,2-Dichlorobenzene	ND		ug/kg	7.5	0.27	1
1,3-Dichlorobenzene	ND		ug/kg	7.5	0.33	1
1,4-Dichlorobenzene	ND		ug/kg	7.5	0.27	1
Methyl tert butyl ether	ND		ug/kg	3.0	0.23	1
p/m-Xylene	ND		ug/kg	3.0	0.53	1
o-Xylene	ND		ug/kg	3.0	0.51	1
Xylenes, Total	ND		ug/kg	3.0	0.51	1
cis-1,2-Dichloroethene	ND		ug/kg	1.5	0.51	1
1,2-Dichloroethene, Total	ND		ug/kg	1.5	0.36	1
Dibromomethane	ND		ug/kg	15	0.36	1
Styrene	ND		ug/kg	3.0	0.60	1
Dichlorodifluoromethane	ND		ug/kg	15	0.75	1
Acetone	ND		ug/kg	15	3.4	1
Carbon disulfide	ND		ug/kg	15	1.6	1
2-Butanone	ND		ug/kg	15	1.0	1
Vinyl acetate	ND		ug/kg	15	0.23	1
4-Methyl-2-pentanone	ND		ug/kg	15	0.36	1
1,2,3-Trichloropropane	ND		ug/kg	15	0.26	1
2-Hexanone	ND		ug/kg	15	1.0	1
Bromochloromethane	ND		ug/kg	7.5	0.54	1
2,2-Dichloropropane	ND		ug/kg	7.5	0.67	1
1,2-Dibromoethane	ND		ug/kg	6.0	0.30	1
1,3-Dichloropropane	ND		ug/kg	7.5	0.27	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.5	0.48	1
Bromobenzene	ND		ug/kg	7.5	0.33	1
n-Butylbenzene	ND		ug/kg	1.5	0.34	1
sec-Butylbenzene	ND		ug/kg	1.5	0.32	1
tert-Butylbenzene	ND		ug/kg	7.5	0.37	1
o-Chlorotoluene	ND		ug/kg	7.5	0.33	1
p-Chlorotoluene	ND		ug/kg	7.5	0.27	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.5	0.59	1
Hexachlorobutadiene	ND		ug/kg	7.5	0.52	1
Isopropylbenzene	ND		ug/kg	1.5	0.29	1
p-Isopropyltoluene	ND		ug/kg	1.5	0.30	1
Naphthalene	ND		ug/kg	7.5	0.21	1
Acrylonitrile	ND		ug/kg	15	0.77	1

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-18

Date Collected: 05/23/18 13:22

Client ID: S1-W (0-1)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.5	0.32	1
1,2,3-Trichlorobenzene	ND		ug/kg	7.5	0.38	1
1,2,4-Trichlorobenzene	ND		ug/kg	7.5	0.32	1
1,3,5-Trimethylbenzene	ND		ug/kg	7.5	0.24	1
1,2,4-Trimethylbenzene	ND		ug/kg	7.5	0.28	1
1,4-Dioxane	ND		ug/kg	60	22.	1
p-Diethylbenzene	ND		ug/kg	6.0	6.0	1
p-Ethyltoluene	ND		ug/kg	6.0	0.35	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	6.0	0.23	1
Ethyl ether	ND		ug/kg	7.5	0.39	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.5	0.59	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	124		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	105		70-130

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 05/31/18 08:29
 Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 07,18 Batch: WG1120965-12					
Methylene chloride	ND		ug/kg	10	1.6
1,1-Dichloroethane	ND		ug/kg	1.5	0.27
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.34
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.18
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31
Tetrachloroethene	ND		ug/kg	1.0	0.30
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.42
1,2-Dichloroethane	ND		ug/kg	1.0	0.25
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.35
Bromodichloromethane	ND		ug/kg	1.0	0.31
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.21
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.23
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.21
1,1-Dichloropropene	ND		ug/kg	5.0	0.33
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.30
Benzene	ND		ug/kg	1.0	0.19
Toluene	ND		ug/kg	1.5	0.20
Ethylbenzene	ND		ug/kg	1.0	0.17
Chloromethane	ND		ug/kg	5.0	0.44
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.32
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.37
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.24
Trichloroethene	ND		ug/kg	1.0	0.30

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 05/31/18 08:29
 Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 07,18 Batch: WG1120965-12					
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.22
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.18
Methyl tert butyl ether	ND		ug/kg	2.0	0.15
p/m-Xylene	ND		ug/kg	2.0	0.35
o-Xylene	ND		ug/kg	2.0	0.34
Xylenes, Total	ND		ug/kg	2.0	0.34
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.34
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.24
Dibromomethane	ND		ug/kg	10	0.24
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.50
Acetone	ND		ug/kg	10	2.3
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.69
Vinyl acetate	ND		ug/kg	10	0.15
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.18
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.36
2,2-Dichloropropane	ND		ug/kg	5.0	0.45
1,2-Dibromoethane	ND		ug/kg	4.0	0.20
1,3-Dichloropropane	ND		ug/kg	5.0	0.18
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.22
n-Butylbenzene	ND		ug/kg	1.0	0.23
sec-Butylbenzene	ND		ug/kg	1.0	0.22
tert-Butylbenzene	ND		ug/kg	5.0	0.25
o-Chlorotoluene	ND		ug/kg	5.0	0.22

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 05/31/18 08:29
 Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 07,18 Batch: WG1120965-12					
p-Chlorotoluene	ND		ug/kg	5.0	0.18
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.35
Isopropylbenzene	ND		ug/kg	1.0	0.19
p-Isopropyltoluene	ND		ug/kg	1.0	0.20
Naphthalene	0.15	J	ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
n-Propylbenzene	ND		ug/kg	1.0	0.22
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.25
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.22
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.16
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.19
1,4-Dioxane	ND		ug/kg	40	14.
p-Diethylbenzene	ND		ug/kg	4.0	4.0
p-Ethyltoluene	ND		ug/kg	4.0	0.23
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.16
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	108		70-130

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 05/30/18 19:31
 Analyst: KD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-06,08-15 Batch: WG1120965-5					
Methylene chloride	ND		ug/kg	10	1.6
1,1-Dichloroethane	ND		ug/kg	1.5	0.27
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.34
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.18
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31
Tetrachloroethene	ND		ug/kg	1.0	0.30
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.42
1,2-Dichloroethane	ND		ug/kg	1.0	0.25
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.35
Bromodichloromethane	ND		ug/kg	1.0	0.31
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.21
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.23
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.21
1,1-Dichloropropene	ND		ug/kg	5.0	0.33
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.30
Benzene	ND		ug/kg	1.0	0.19
Toluene	ND		ug/kg	1.5	0.20
Ethylbenzene	ND		ug/kg	1.0	0.17
Chloromethane	ND		ug/kg	5.0	0.44
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.32
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.37
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.24
Trichloroethene	ND		ug/kg	1.0	0.30

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 05/30/18 19:31
 Analyst: KD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-06,08-15 Batch: WG1120965-5					
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.22
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.18
Methyl tert butyl ether	ND		ug/kg	2.0	0.15
p/m-Xylene	ND		ug/kg	2.0	0.35
o-Xylene	ND		ug/kg	2.0	0.34
Xylenes, Total	ND		ug/kg	2.0	0.34
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.34
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.24
Dibromomethane	ND		ug/kg	10	0.24
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.50
Acetone	ND		ug/kg	10	2.3
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.69
Vinyl acetate	ND		ug/kg	10	0.15
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.18
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.36
2,2-Dichloropropane	ND		ug/kg	5.0	0.45
1,2-Dibromoethane	ND		ug/kg	4.0	0.20
1,3-Dichloropropane	ND		ug/kg	5.0	0.18
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.22
n-Butylbenzene	ND		ug/kg	1.0	0.23
sec-Butylbenzene	ND		ug/kg	1.0	0.22
tert-Butylbenzene	ND		ug/kg	5.0	0.25
o-Chlorotoluene	ND		ug/kg	5.0	0.22

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 05/30/18 19:31
 Analyst: KD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-06,08-15 Batch: WG1120965-5					
p-Chlorotoluene	ND		ug/kg	5.0	0.18
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.35
Isopropylbenzene	ND		ug/kg	1.0	0.19
p-Isopropyltoluene	ND		ug/kg	1.0	0.20
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
n-Propylbenzene	ND		ug/kg	1.0	0.22
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.25
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.22
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.16
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.19
1,4-Dioxane	ND		ug/kg	40	14.
p-Diethylbenzene	ND		ug/kg	4.0	4.0
p-Ethyltoluene	ND		ug/kg	4.0	0.23
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.16
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	103		70-130

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 05/31/18 09:00
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 16-17 Batch: WG1121178-5					
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: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 05/31/18 09:00
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 16-17 Batch: WG1121178-5					
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: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 05/31/18 09:00
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 16-17 Batch: WG1121178-5					
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	94		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	92		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 07,18 Batch: WG1120965-10 WG1120965-11								
Methylene chloride	95		92		70-130	3		30
1,1-Dichloroethane	109		106		70-130	3		30
Chloroform	114		110		70-130	4		30
Carbon tetrachloride	126		121		70-130	4		30
1,2-Dichloropropane	101		99		70-130	2		30
Dibromochloromethane	115		113		70-130	2		30
1,1,2-Trichloroethane	98		96		70-130	2		30
Tetrachloroethene	114		113		70-130	1		30
Chlorobenzene	110		107		70-130	3		30
Trichlorofluoromethane	131		124		70-139	5		30
1,2-Dichloroethane	119		116		70-130	3		30
1,1,1-Trichloroethane	123		120		70-130	2		30
Bromodichloromethane	114		113		70-130	1		30
trans-1,3-Dichloropropene	109		106		70-130	3		30
cis-1,3-Dichloropropene	106		104		70-130	2		30
1,1-Dichloropropene	112		108		70-130	4		30
Bromoform	106		106		70-130	0		30
1,1,2,2-Tetrachloroethane	102		98		70-130	4		30
Benzene	102		100		70-130	2		30
Toluene	105		101		70-130	4		30
Ethylbenzene	106		105		70-130	1		30
Chloromethane	112		107		52-130	5		30
Bromomethane	110		102		57-147	8		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 07,18 Batch: WG1120965-10 WG1120965-11								
Vinyl chloride	111		104		67-130	7		30
Chloroethane	112		108		50-151	4		30
1,1-Dichloroethene	106		100		65-135	6		30
trans-1,2-Dichloroethene	106		104		70-130	2		30
Trichloroethene	109		106		70-130	3		30
1,2-Dichlorobenzene	107		105		70-130	2		30
1,3-Dichlorobenzene	109		107		70-130	2		30
1,4-Dichlorobenzene	108		103		70-130	5		30
Methyl tert butyl ether	103		100		66-130	3		30
p/m-Xylene	109		107		70-130	2		30
o-Xylene	109		109		70-130	0		30
cis-1,2-Dichloroethene	109		106		70-130	3		30
Dibromomethane	110		106		70-130	4		30
Styrene	107		106		70-130	1		30
Dichlorodifluoromethane	107		104		30-146	3		30
Acetone	105		91		54-140	14		30
Carbon disulfide	97		93		59-130	4		30
2-Butanone	88		96		70-130	9		30
Vinyl acetate	114		109		70-130	4		30
4-Methyl-2-pentanone	96		92		70-130	4		30
1,2,3-Trichloropropane	104		100		68-130	4		30
2-Hexanone	104		97		70-130	7		30
Bromochloromethane	110		108		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 07,18 Batch: WG1120965-10 WG1120965-11								
2,2-Dichloropropane	113		111		70-130	2		30
1,2-Dibromoethane	109		108		70-130	1		30
1,3-Dichloropropane	108		106		69-130	2		30
1,1,1,2-Tetrachloroethane	116		115		70-130	1		30
Bromobenzene	107		105		70-130	2		30
n-Butylbenzene	107		104		70-130	3		30
sec-Butylbenzene	105		104		70-130	1		30
tert-Butylbenzene	105		104		70-130	1		30
o-Chlorotoluene	101		98		70-130	3		30
p-Chlorotoluene	104		102		70-130	2		30
1,2-Dibromo-3-chloropropane	96		94		68-130	2		30
Hexachlorobutadiene	108		105		67-130	3		30
Isopropylbenzene	106		104		70-130	2		30
p-Isopropyltoluene	107		104		70-130	3		30
Naphthalene	99		98		70-130	1		30
Acrylonitrile	105		95		70-130	10		30
n-Propylbenzene	104		101		70-130	3		30
1,2,3-Trichlorobenzene	108		108		70-130	0		30
1,2,4-Trichlorobenzene	111		109		70-130	2		30
1,3,5-Trimethylbenzene	106		104		70-130	2		30
1,2,4-Trimethylbenzene	106		104		70-130	2		30
1,4-Dioxane	89		91		65-136	2		30
p-Diethylbenzene	107		105		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 07,18 Batch: WG1120965-10 WG1120965-11								
p-Ethyltoluene	104		103		70-130	1		30
1,2,4,5-Tetramethylbenzene	104		104		70-130	0		30
Ethyl ether	101		105		67-130	4		30
trans-1,4-Dichloro-2-butene	106		103		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	121		118		70-130
Toluene-d8	103		102		70-130
4-Bromofluorobenzene	96		96		70-130
Dibromofluoromethane	108		107		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-06,08-15 Batch: WG1120965-3 WG1120965-4								
Methylene chloride	91		94		70-130	3		30
1,1-Dichloroethane	100		103		70-130	3		30
Chloroform	106		109		70-130	3		30
Carbon tetrachloride	116		117		70-130	1		30
1,2-Dichloropropane	98		100		70-130	2		30
Dibromochloromethane	112		114		70-130	2		30
1,1,2-Trichloroethane	96		98		70-130	2		30
Tetrachloroethene	107		108		70-130	1		30
Chlorobenzene	103		106		70-130	3		30
Trichlorofluoromethane	116		119		70-139	3		30
1,2-Dichloroethane	113		115		70-130	2		30
1,1,1-Trichloroethane	114		115		70-130	1		30
Bromodichloromethane	109		111		70-130	2		30
trans-1,3-Dichloropropene	103		105		70-130	2		30
cis-1,3-Dichloropropene	102		103		70-130	1		30
1,1-Dichloropropene	103		105		70-130	2		30
Bromoform	105		109		70-130	4		30
1,1,2,2-Tetrachloroethane	103		105		70-130	2		30
Benzene	98		100		70-130	2		30
Toluene	98		97		70-130	1		30
Ethylbenzene	99		100		70-130	1		30
Chloromethane	96		99		52-130	3		30
Bromomethane	97		98		57-147	1		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-06,08-15 Batch: WG1120965-3 WG1120965-4								
Vinyl chloride	98		101		67-130	3		30
Chloroethane	103		103		50-151	0		30
1,1-Dichloroethene	96		99		65-135	3		30
trans-1,2-Dichloroethene	99		102		70-130	3		30
Trichloroethene	104		104		70-130	0		30
1,2-Dichlorobenzene	100		106		70-130	6		30
1,3-Dichlorobenzene	100		105		70-130	5		30
1,4-Dichlorobenzene	98		104		70-130	6		30
Methyl tert butyl ether	101		103		66-130	2		30
p/m-Xylene	101		102		70-130	1		30
o-Xylene	103		105		70-130	2		30
cis-1,2-Dichloroethene	102		106		70-130	4		30
Dibromomethane	106		109		70-130	3		30
Styrene	100		103		70-130	3		30
Dichlorodifluoromethane	94		100		30-146	6		30
Acetone	94		98		54-140	4		30
Carbon disulfide	88		90		59-130	2		30
2-Butanone	110		114		70-130	4		30
Vinyl acetate	108		112		70-130	4		30
4-Methyl-2-pentanone	97		96		70-130	1		30
1,2,3-Trichloropropane	102		104		68-130	2		30
2-Hexanone	100		100		70-130	0		30
Bromochloromethane	111		111		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-06,08-15 Batch: WG1120965-3 WG1120965-4								
2,2-Dichloropropane	99		101		70-130	2		30
1,2-Dibromoethane	109		111		70-130	2		30
1,3-Dichloropropane	106		107		69-130	1		30
1,1,1,2-Tetrachloroethane	110		113		70-130	3		30
Bromobenzene	101		105		70-130	4		30
n-Butylbenzene	97		100		70-130	3		30
sec-Butylbenzene	98		100		70-130	2		30
tert-Butylbenzene	99		102		70-130	3		30
o-Chlorotoluene	97		104		70-130	7		30
p-Chlorotoluene	97		100		70-130	3		30
1,2-Dibromo-3-chloropropane	100		97		68-130	3		30
Hexachlorobutadiene	99		102		67-130	3		30
Isopropylbenzene	97		100		70-130	3		30
p-Isopropyltoluene	98		101		70-130	3		30
Naphthalene	97		104		70-130	7		30
Acrylonitrile	105		104		70-130	1		30
n-Propylbenzene	95		97		70-130	2		30
1,2,3-Trichlorobenzene	100		107		70-130	7		30
1,2,4-Trichlorobenzene	101		107		70-130	6		30
1,3,5-Trimethylbenzene	98		99		70-130	1		30
1,2,4-Trimethylbenzene	98		100		70-130	2		30
1,4-Dioxane	96		110		65-136	14		30
p-Diethylbenzene	96		99		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-06,08-15 Batch: WG1120965-3 WG1120965-4								
p-Ethyltoluene	97		99		70-130	2		30
1,2,4,5-Tetramethylbenzene	97		101		70-130	4		30
Ethyl ether	102		106		67-130	4		30
trans-1,4-Dichloro-2-butene	100		103		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	117		117		70-130
Toluene-d8	101		102		70-130
4-Bromofluorobenzene	98		98		70-130
Dibromofluoromethane	106		108		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 16-17 Batch: WG1121178-3 WG1121178-4								
Methylene chloride	110		100		70-130	10		20
1,1-Dichloroethane	120		110		70-130	9		20
Chloroform	97		98		70-130	1		20
Carbon tetrachloride	88		85		63-132	3		20
1,2-Dichloropropane	120		120		70-130	0		20
Dibromochloromethane	95		97		63-130	2		20
1,1,2-Trichloroethane	110		110		70-130	0		20
Tetrachloroethene	88		87		70-130	1		20
Chlorobenzene	99		99		75-130	0		20
Trichlorofluoromethane	84		80		62-150	5		20
1,2-Dichloroethane	98		100		70-130	2		20
1,1,1-Trichloroethane	91		90		67-130	1		20
Bromodichloromethane	94		93		67-130	1		20
trans-1,3-Dichloropropene	110		110		70-130	0		20
cis-1,3-Dichloropropene	100		100		70-130	0		20
1,1-Dichloropropene	100		99		70-130	1		20
Bromoform	95		100		54-136	5		20
1,1,2,2-Tetrachloroethane	110		120		67-130	9		20
Benzene	100		99		70-130	1		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	110		110		64-130	0		20
Bromomethane	54		52		39-139	4		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 16-17 Batch: WG1121178-3 WG1121178-4								
Vinyl chloride	73		71		55-140	3		20
Chloroethane	95		92		55-138	3		20
1,1-Dichloroethene	92		91		61-145	1		20
trans-1,2-Dichloroethene	98		96		70-130	2		20
Trichloroethene	90		89		70-130	1		20
1,2-Dichlorobenzene	97		99		70-130	2		20
1,3-Dichlorobenzene	97		97		70-130	0		20
1,4-Dichlorobenzene	98		97		70-130	1		20
Methyl tert butyl ether	110		110		63-130	0		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	98		97		70-130	1		20
Dibromomethane	91		93		70-130	2		20
1,2,3-Trichloropropane	110		120		64-130	9		20
Acrylonitrile	150	Q	160	Q	70-130	6		20
Styrene	155	Q	155	Q	70-130	0		20
Dichlorodifluoromethane	69		67		36-147	3		20
Acetone	120		130		58-148	8		20
Carbon disulfide	98		94		51-130	4		20
2-Butanone	140	Q	150	Q	63-138	7		20
Vinyl acetate	120		130		70-130	8		20
4-Methyl-2-pentanone	120		130		59-130	8		20
2-Hexanone	120		130		57-130	8		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 16-17 Batch: WG1121178-3 WG1121178-4								
Bromochloromethane	89		90		70-130	1		20
2,2-Dichloropropane	100		97		63-133	3		20
1,2-Dibromoethane	96		100		70-130	4		20
1,3-Dichloropropane	110		110		70-130	0		20
1,1,1,2-Tetrachloroethane	96		95		64-130	1		20
Bromobenzene	94		95		70-130	1		20
n-Butylbenzene	110		100		53-136	10		20
sec-Butylbenzene	100		100		70-130	0		20
tert-Butylbenzene	100		100		70-130	0		20
o-Chlorotoluene	110		110		70-130	0		20
p-Chlorotoluene	110		110		70-130	0		20
1,2-Dibromo-3-chloropropane	88		98		41-144	11		20
Hexachlorobutadiene	69		68		63-130	1		20
Isopropylbenzene	100		100		70-130	0		20
p-Isopropyltoluene	100		100		70-130	0		20
Naphthalene	91		98		70-130	7		20
n-Propylbenzene	110		110		69-130	0		20
1,2,3-Trichlorobenzene	81		84		70-130	4		20
1,2,4-Trichlorobenzene	82		84		70-130	2		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,2,4-Trimethylbenzene	84		83		70-130	1		20
1,4-Dioxane	102		102		56-162	0		20
p-Diethylbenzene	100		100		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 16-17 Batch: WG1121178-3 WG1121178-4								
p-Ethyltoluene	110		110		70-130	0		20
1,2,4,5-Tetramethylbenzene	96		96		70-130	0		20
Ethyl ether	110		120		59-134	9		20
trans-1,4-Dichloro-2-butene	120		130		70-130	8		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	94		95		70-130
Toluene-d8	103		102		70-130
4-Bromofluorobenzene	105		103		70-130
Dibromofluoromethane	93		91		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: 2135 WESTCHESTER

Project Number: 2135 WESTCHESTER

Lab Number: L1819157

Report Date: 06/01/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-15,18 QC Batch ID: WG1120965-6 WG1120965-7 QC Sample: L1819157-11 Client ID: SB-4 (18-20)												
Methylene chloride	ND	118	100	87		100	86		70-130	3		30
1,1-Dichloroethane	ND	118	130	106		120	104		70-130	5		30
Chloroform	ND	118	130	109		120	104		70-130	7		30
Carbon tetrachloride	ND	118	160	134	Q	140	124		70-130	10		30
1,2-Dichloropropane	ND	118	110	92		100	87		70-130	8		30
Dibromochloromethane	ND	118	110	96		110	94		70-130	4		30
1,1,2-Trichloroethane	ND	118	94	80		91	79		70-130	3		30
Tetrachloroethene	ND	118	110	93		94	81		70-130	16		30
Chlorobenzene	ND	118	98	83		86	74		70-130	14		30
Trichlorofluoromethane	ND	118	170	143	Q	160	142	Q	70-139	3		30
1,2-Dichloroethane	ND	118	120	104		120	99		70-130	7		30
1,1,1-Trichloroethane	ND	118	150	128		140	119		70-130	9		30
Bromodichloromethane	ND	118	120	104		110	98		70-130	8		30
trans-1,3-Dichloropropene	ND	118	110	90		100	86		70-130	6		30
cis-1,3-Dichloropropene	ND	118	110	94		100	87		70-130	9		30
1,1-Dichloropropene	ND	118	130	112		120	104		70-130	10		30
Bromoform	ND	118	100	86		99	85		70-130	3		30
1,1,2,2-Tetrachloroethane	ND	118	92	78		91	78		70-130	2		30
Benzene	ND	118	110	96		110	91		70-130	8		30
Toluene	ND	118	110	89		94	81		70-130	11		30
Ethylbenzene	ND	118	95	81		80	69	Q	70-130	18		30
Chloromethane	ND	118	120	105		120	107		52-130	0		30
Bromomethane	ND	118	120	98		120	106		57-147	6		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 2135 WESTCHESTER

Project Number: 2135 WESTCHESTER

Lab Number: L1819157

Report Date: 06/01/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-15,18 QC Batch ID: WG1120965-6 WG1120965-7 QC Sample: L1819157-11 Client ID: SB-4 (18-20)												
Vinyl chloride	ND	118	130	113		140	117		67-130	1		30
Chloroethane	ND	118	130	108		130	110		50-151	0		30
1,1-Dichloroethene	ND	118	130	110		130	108		65-135	4		30
trans-1,2-Dichloroethene	ND	118	120	104		120	100		70-130	6		30
Trichloroethene	ND	118	120	102		110	91		70-130	13		30
1,2-Dichlorobenzene	ND	118	81	68	Q	69	60	Q	70-130	16		30
1,3-Dichlorobenzene	ND	118	77	65	Q	65	56	Q	70-130	17		30
1,4-Dichlorobenzene	ND	118	73	62	Q	62	53	Q	70-130	17		30
Methyl tert butyl ether	ND	118	100	86		100	88		66-130	0		30
p/m-Xylene	ND	236	190	79		150	66	Q	70-130	19		30
o-Xylene	ND	236	190	81		160	70		70-130	17		30
cis-1,2-Dichloroethene	ND	118	120	101		110	97		70-130	6		30
Dibromomethane	ND	118	110	92		100	90		70-130	5		30
Styrene	ND	236	180	77		160	68	Q	70-130	15		30
Dichlorodifluoromethane	ND	118	140	116		140	120		30-146	1		30
Acetone	ND	118	98	83		95	82		54-140	4		30
Carbon disulfide	ND	118	120	98		110	93		59-130	7		30
2-Butanone	ND	118	93	79		94	81		70-130	1		30
Vinyl acetate	ND	118	110	90		100	89		70-130	3		30
4-Methyl-2-pentanone	ND	118	93	78		92	79		70-130	1		30
1,2,3-Trichloropropane	ND	118	91	77		91	79		68-130	0		30
2-Hexanone	ND	118	96	81		95	82		70-130	1		30
Bromochloromethane	ND	118	120	101		110	98		70-130	5		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 2135 WESTCHESTER

Project Number: 2135 WESTCHESTER

Lab Number: L1819157

Report Date: 06/01/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-15,18 QC Batch ID: WG1120965-6 WG1120965-7 QC Sample: L1819157-11 Client ID: SB-4 (18-20)												
2,2-Dichloropropane	ND	118	140	117		130	110		70-130	8		30
1,2-Dibromoethane	ND	118	100	87		100	86		70-130	3		30
1,3-Dichloropropane	ND	118	110	89		100	86		69-130	5		30
1,1,1,2-Tetrachloroethane	ND	118	110	96		100	90		70-130	9		30
Bromobenzene	ND	118	88	74		77	67	Q	70-130	13		30
n-Butylbenzene	ND	118	61	52	Q	45	39	Q	70-130	30		30
sec-Butylbenzene	ND	118	76	64	Q	58	50	Q	70-130	27		30
tert-Butylbenzene	ND	118	84	71		66	57	Q	70-130	24		30
o-Chlorotoluene	ND	118	66	56	Q	54	47	Q	70-130	19		30
p-Chlorotoluene	ND	118	76	64	Q	63	54	Q	70-130	20		30
1,2-Dibromo-3-chloropropane	ND	118	91	77		92	80		68-130	1		30
Hexachlorobutadiene	ND	118	54	46	Q	37	32	Q	67-130	37	Q	30
Isopropylbenzene	ND	118	88	74		72	62	Q	70-130	20		30
p-Isopropyltoluene	ND	118	70	59	Q	53	46	Q	70-130	27		30
Naphthalene	ND	118	79	66	Q	75	65	Q	70-130	5		30
Acrylonitrile	ND	118	100	85		110	91		70-130	5		30
n-Propylbenzene	ND	118	76	64	Q	60	52	Q	70-130	23		30
1,2,3-Trichlorobenzene	ND	118	66	56	Q	60	52	Q	70-130	11		30
1,2,4-Trichlorobenzene	ND	118	64	54	Q	57	49	Q	70-130	12		30
1,3,5-Trimethylbenzene	ND	118	78	66	Q	63	54	Q	70-130	21		30
1,2,4-Trimethylbenzene	ND	118	75	64	Q	61	53	Q	70-130	21		30
1,4-Dioxane	ND	5910	5600	95		4400	76		65-136	25		30
p-Diethylbenzene	ND	118	61	52	Q	47	41	Q	70-130	26		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-15,18 QC Batch ID: WG1120965-6 WG1120965-7 QC Sample: L1819157-11 Client ID: SB-4 (18-20)												
p-Ethyltoluene	ND	118	73	62	Q	58	50	Q	70-130	23		30
1,2,4,5-Tetramethylbenzene	ND	118	65	55	Q	53	45	Q	70-130	20		30
Ethyl ether	ND	118	100	84		100	88		67-130	2		30
trans-1,4-Dichloro-2-butene	ND	118	95	80		93	80		70-130	3		30

Surrogate	MS % Recovery	Qualifier	MSD % Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	123		121		70-130
4-Bromofluorobenzene	95		96		70-130
Dibromofluoromethane	110		112		70-130
Toluene-d8	100		101		70-130

SEMIVOLATILES

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-01

Date Collected: 05/23/18 09:55

Client ID: SB-5 (1-2)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270D

Extraction Date: 05/27/18 01:13

Analytical Date: 05/31/18 07:33

Analyst: CB

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	360		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	65.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-01

Date Collected: 05/23/18 09:55

Client ID: SB-5 (1-2)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	220		ug/kg	110	21.	1
Benzo(a)pyrene	200		ug/kg	150	46.	1
Benzo(b)fluoranthene	300		ug/kg	110	32.	1
Benzo(k)fluoranthene	99	J	ug/kg	110	30.	1
Chrysene	230		ug/kg	110	20.	1
Acenaphthylene	38	J	ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	37.	1
Benzo(ghi)perylene	140	J	ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	120		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	34	J	ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	150		ug/kg	150	26.	1
Pyrene	320		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	44.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	78.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	410	71.	1
4-Nitrophenol	ND		ug/kg	260	77.	1
2,4-Dinitrophenol	ND		ug/kg	910	88.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	91.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	30.	1

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-01

Date Collected: 05/23/18 09:55

Client ID: SB-5 (1-2)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		25-120
Phenol-d6	68		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	75		30-120
2,4,6-Tribromophenol	71		10-136
4-Terphenyl-d14	78		18-120

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-02

Date Collected: 05/23/18 10:00

Client ID: SB-5 (15-17)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270D

Extraction Date: 05/27/18 01:13

Analytical Date: 05/30/18 04:23

Analyst: RC

Percent Solids: 90%

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

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-02

Date Collected: 05/23/18 10:00

Client ID: SB-5 (15-17)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	75.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	74.	1
2,4-Dinitrophenol	ND		ug/kg	870	85.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	87.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-02

Date Collected: 05/23/18 10:00

Client ID: SB-5 (15-17)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		25-120
Phenol-d6	71		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	75		30-120
2,4,6-Tribromophenol	70		10-136
4-Terphenyl-d14	79		18-120

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-03

Date Collected: 05/23/18 10:45

Client ID: SB-2 (1-5)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270D

Extraction Date: 05/27/18 01:13

Analytical Date: 05/31/18 05:25

Analyst: CB

Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	120	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	80	J	ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	66.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	65.	1

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-03

Date Collected: 05/23/18 10:45

Client ID: SB-2 (1-5)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	55	J	ug/kg	120	22.	1
Benzo(a)pyrene	53	J	ug/kg	150	47.	1
Benzo(b)fluoranthene	74	J	ug/kg	120	32.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	60	J	ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	150	30.	1
Anthracene	ND		ug/kg	120	37.	1
Benzo(ghi)perylene	39	J	ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	19.	1
Phenanthrene	28	J	ug/kg	120	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	42	J	ug/kg	150	27.	1
Pyrene	76	J	ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	44.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	79.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	63.	1
2-Nitrophenol	ND		ug/kg	410	72.	1
4-Nitrophenol	ND		ug/kg	270	78.	1
2,4-Dinitrophenol	ND		ug/kg	920	89.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	92.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-03

Date Collected: 05/23/18 10:45

Client ID: SB-2 (1-5)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		25-120
Phenol-d6	63		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	78		10-136
4-Terphenyl-d14	75		18-120

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-04

Date Collected: 05/23/18 11:05

Client ID: SB-2 (13-14)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270D

Extraction Date: 05/27/18 01:13

Analytical Date: 05/30/18 04:47

Analyst: RC

Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	22.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	24.	1
Hexachlorobenzene	ND		ug/kg	130	24.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	28.	1
2-Chloronaphthalene	ND		ug/kg	210	21.	1
1,2-Dichlorobenzene	ND		ug/kg	210	38.	1
1,3-Dichlorobenzene	ND		ug/kg	210	36.	1
1,4-Dichlorobenzene	ND		ug/kg	210	37.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	56.	1
2,4-Dinitrotoluene	ND		ug/kg	210	42.	1
2,6-Dinitrotoluene	ND		ug/kg	210	36.	1
Fluoranthene	ND		ug/kg	130	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	32.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	36.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	21.	1
Hexachlorobutadiene	ND		ug/kg	210	31.	1
Hexachlorocyclopentadiene	ND		ug/kg	600	190	1
Hexachloroethane	ND		ug/kg	170	34.	1
Isophorone	ND		ug/kg	190	27.	1
Naphthalene	ND		ug/kg	210	26.	1
Nitrobenzene	ND		ug/kg	190	31.	1
NDPA/DPA	ND		ug/kg	170	24.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	32.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	73.	1
Butyl benzyl phthalate	ND		ug/kg	210	53.	1
Di-n-butylphthalate	ND		ug/kg	210	40.	1
Di-n-octylphthalate	ND		ug/kg	210	71.	1

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-04

Date Collected: 05/23/18 11:05

Client ID: SB-2 (13-14)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	210	19.	1
Dimethyl phthalate	ND		ug/kg	210	44.	1
Benzo(a)anthracene	ND		ug/kg	130	24.	1
Benzo(a)pyrene	ND		ug/kg	170	51.	1
Benzo(b)fluoranthene	ND		ug/kg	130	35.	1
Benzo(k)fluoranthene	ND		ug/kg	130	34.	1
Chrysene	ND		ug/kg	130	22.	1
Acenaphthylene	ND		ug/kg	170	32.	1
Anthracene	ND		ug/kg	130	41.	1
Benzo(ghi)perylene	ND		ug/kg	170	25.	1
Fluorene	ND		ug/kg	210	20.	1
Phenanthrene	ND		ug/kg	130	26.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	24.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	170	29.	1
Pyrene	ND		ug/kg	130	21.	1
Biphenyl	ND		ug/kg	480	49.	1
4-Chloroaniline	ND		ug/kg	210	38.	1
2-Nitroaniline	ND		ug/kg	210	40.	1
3-Nitroaniline	ND		ug/kg	210	40.	1
4-Nitroaniline	ND		ug/kg	210	87.	1
Dibenzofuran	ND		ug/kg	210	20.	1
2-Methylnaphthalene	ND		ug/kg	250	25.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	22.	1
Acetophenone	ND		ug/kg	210	26.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	40.	1
p-Chloro-m-cresol	ND		ug/kg	210	31.	1
2-Chlorophenol	ND		ug/kg	210	25.	1
2,4-Dichlorophenol	ND		ug/kg	190	34.	1
2,4-Dimethylphenol	ND		ug/kg	210	69.	1
2-Nitrophenol	ND		ug/kg	450	79.	1
4-Nitrophenol	ND		ug/kg	290	86.	1
2,4-Dinitrophenol	ND		ug/kg	1000	98.	1
4,6-Dinitro-o-cresol	ND		ug/kg	550	100	1
Pentachlorophenol	ND		ug/kg	170	46.	1
Phenol	ND		ug/kg	210	32.	1
2-Methylphenol	ND		ug/kg	210	32.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	33.	1

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-04

Date Collected: 05/23/18 11:05

Client ID: SB-2 (13-14)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	210	40.	1
Benzoic Acid	ND		ug/kg	680	210	1
Benzyl Alcohol	ND		ug/kg	210	64.	1
Carbazole	ND		ug/kg	210	20.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		25-120
Phenol-d6	65		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	76		30-120
2,4,6-Tribromophenol	70		10-136
4-Terphenyl-d14	82		18-120

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-05

Date Collected: 05/23/18 12:05

Client ID: SB-3 (15-16)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270D

Extraction Date: 05/27/18 01:13

Analytical Date: 05/30/18 05:11

Analyst: RC

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	ND		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	66.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	65.	1

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-05

Date Collected: 05/23/18 12:05

Client ID: SB-3 (15-16)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	ND		ug/kg	110	22.	1
Benzo(a)pyrene	ND		ug/kg	150	47.	1
Benzo(b)fluoranthene	ND		ug/kg	110	32.	1
Benzo(k)fluoranthene	ND		ug/kg	110	31.	1
Chrysene	ND		ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	30.	1
Anthracene	ND		ug/kg	110	37.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	19.	1
Phenanthrene	ND		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	27.	1
Pyrene	ND		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	440	44.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	79.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	63.	1
2-Nitrophenol	ND		ug/kg	410	72.	1
4-Nitrophenol	ND		ug/kg	270	78.	1
2,4-Dinitrophenol	ND		ug/kg	920	89.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	92.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-05

Date Collected: 05/23/18 12:05

Client ID: SB-3 (15-16)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	ND		ug/kg	190	19.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		25-120
Phenol-d6	69		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	69		10-136
4-Terphenyl-d14	73		18-120

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-06

Date Collected: 05/23/18 12:00

Client ID: SB-3 (1-5)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270D

Extraction Date: 05/27/18 01:13

Analytical Date: 05/31/18 06:17

Analyst: CB

Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	35.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	52.	1
2,4-Dinitrotoluene	ND		ug/kg	190	39.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	85	J	ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	180	1
Hexachloroethane	ND		ug/kg	160	31.	1
Isophorone	ND		ug/kg	180	25.	1
Naphthalene	ND		ug/kg	190	24.	1
Nitrobenzene	ND		ug/kg	180	29.	1
NDPA/DPA	ND		ug/kg	160	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	67.	1
Butyl benzyl phthalate	ND		ug/kg	190	49.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	66.	1

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-06

Date Collected: 05/23/18 12:00

Client ID: SB-3 (1-5)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	41.	1
Benzo(a)anthracene	55	J	ug/kg	120	22.	1
Benzo(a)pyrene	55	J	ug/kg	160	47.	1
Benzo(b)fluoranthene	82	J	ug/kg	120	33.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	63	J	ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	160	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	40	J	ug/kg	160	23.	1
Fluorene	ND		ug/kg	190	19.	1
Phenanthrene	30	J	ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	41	J	ug/kg	160	27.	1
Pyrene	82	J	ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	45.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	38.	1
3-Nitroaniline	ND		ug/kg	190	37.	1
4-Nitroaniline	ND		ug/kg	190	80.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	190	29.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	180	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	64.	1
2-Nitrophenol	ND		ug/kg	420	73.	1
4-Nitrophenol	ND		ug/kg	270	79.	1
2,4-Dinitrophenol	ND		ug/kg	930	91.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	93.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-06

Date Collected: 05/23/18 12:00

Client ID: SB-3 (1-5)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		25-120
Phenol-d6	69		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	76		30-120
2,4,6-Tribromophenol	75		10-136
4-Terphenyl-d14	69		18-120

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-07

Date Collected: 05/23/18 14:05

Client ID: SB-1 (1-5)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270D

Extraction Date: 05/27/18 01:13

Analytical Date: 05/31/18 06:42

Analyst: CB

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	130		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	65.	1
Butyl benzyl phthalate	ND		ug/kg	190	47.	1
Di-n-butylphthalate	55	J	ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-07

Date Collected: 05/23/18 14:05

Client ID: SB-1 (1-5)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	39.	1
Benzo(a)anthracene	78	J	ug/kg	110	21.	1
Benzo(a)pyrene	79	J	ug/kg	150	46.	1
Benzo(b)fluoranthene	110		ug/kg	110	32.	1
Benzo(k)fluoranthene	39	J	ug/kg	110	30.	1
Chrysene	83	J	ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	58	J	ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	52	J	ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	57	J	ug/kg	150	26.	1
Pyrene	110		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	44.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	35.	1
4-Nitroaniline	ND		ug/kg	190	78.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	220	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	900	87.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	90.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-07

Date Collected: 05/23/18 14:05

Client ID: SB-1 (1-5)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	52		25-120
Phenol-d6	67		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	76		30-120
2,4,6-Tribromophenol	45		10-136
4-Terphenyl-d14	77		18-120

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-08

Date Collected: 05/23/18 14:50

Client ID: SB-1 (20-21)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270D

Extraction Date: 05/27/18 01:13

Analytical Date: 05/31/18 02:53

Analyst: CB

Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	23.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	36.	1
1,3-Dichlorobenzene	ND		ug/kg	200	34.	1
1,4-Dichlorobenzene	ND		ug/kg	200	35.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	53.	1
2,4-Dinitrotoluene	ND		ug/kg	200	40.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	ND		ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	570	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	ND		ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	29.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	31.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	69.	1
Butyl benzyl phthalate	ND		ug/kg	200	50.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	68.	1

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-08

Date Collected: 05/23/18 14:50

Client ID: SB-1 (20-21)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	42.	1
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	160	48.	1
Benzo(b)fluoranthene	ND		ug/kg	120	34.	1
Benzo(k)fluoranthene	ND		ug/kg	120	32.	1
Chrysene	ND		ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	31.	1
Anthracene	ND		ug/kg	120	39.	1
Benzo(ghi)perylene	ND		ug/kg	160	23.	1
Fluorene	ND		ug/kg	200	19.	1
Phenanthrene	ND		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	28.	1
Pyrene	ND		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	450	46.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	38.	1
4-Nitroaniline	ND		ug/kg	200	82.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	66.	1
2-Nitrophenol	ND		ug/kg	430	75.	1
4-Nitrophenol	ND		ug/kg	280	81.	1
2,4-Dinitrophenol	ND		ug/kg	960	93.	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	96.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	31.	1

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-08

Date Collected: 05/23/18 14:50

Client ID: SB-1 (20-21)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	38.	1
Benzoic Acid	ND		ug/kg	640	200	1
Benzyl Alcohol	ND		ug/kg	200	61.	1
Carbazole	ND		ug/kg	200	19.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		25-120
Phenol-d6	69		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	83		10-136
4-Terphenyl-d14	75		18-120

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-09
 Client ID: SB-1 (20-21) DUP
 Sample Location: BRONX, NY

Date Collected: 05/23/18 14:55
 Date Received: 05/24/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 05/31/18 03:18
 Analyst: CB
 Percent Solids: 81%

Extraction Method: EPA 3546
 Extraction Date: 05/27/18 01:13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	24.	1
Hexachlorobenzene	ND		ug/kg	120	23.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	28.	1
2-Chloronaphthalene	ND		ug/kg	210	20.	1
1,2-Dichlorobenzene	ND		ug/kg	210	37.	1
1,3-Dichlorobenzene	ND		ug/kg	210	35.	1
1,4-Dichlorobenzene	ND		ug/kg	210	36.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	55.	1
2,4-Dinitrotoluene	ND		ug/kg	210	41.	1
2,6-Dinitrotoluene	ND		ug/kg	210	35.	1
Fluoranthene	ND		ug/kg	120	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	31.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	35.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	21.	1
Hexachlorobutadiene	ND		ug/kg	210	30.	1
Hexachlorocyclopentadiene	ND		ug/kg	590	190	1
Hexachloroethane	ND		ug/kg	160	33.	1
Isophorone	ND		ug/kg	180	27.	1
Naphthalene	ND		ug/kg	210	25.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	32.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	71.	1
Butyl benzyl phthalate	ND		ug/kg	210	52.	1
Di-n-butylphthalate	ND		ug/kg	210	39.	1
Di-n-octylphthalate	ND		ug/kg	210	70.	1

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-09
 Client ID: SB-1 (20-21) DUP
 Sample Location: BRONX, NY

Date Collected: 05/23/18 14:55
 Date Received: 05/24/18
 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	210	19.	1
Dimethyl phthalate	ND		ug/kg	210	43.	1
Benzo(a)anthracene	ND		ug/kg	120	23.	1
Benzo(a)pyrene	ND		ug/kg	160	50.	1
Benzo(b)fluoranthene	ND		ug/kg	120	35.	1
Benzo(k)fluoranthene	ND		ug/kg	120	33.	1
Chrysene	ND		ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	32.	1
Anthracene	ND		ug/kg	120	40.	1
Benzo(ghi)perylene	ND		ug/kg	160	24.	1
Fluorene	ND		ug/kg	210	20.	1
Phenanthrene	ND		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	29.	1
Pyrene	ND		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	470	48.	1
4-Chloroaniline	ND		ug/kg	210	38.	1
2-Nitroaniline	ND		ug/kg	210	40.	1
3-Nitroaniline	ND		ug/kg	210	39.	1
4-Nitroaniline	ND		ug/kg	210	85.	1
Dibenzofuran	ND		ug/kg	210	20.	1
2-Methylnaphthalene	ND		ug/kg	250	25.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	22.	1
Acetophenone	ND		ug/kg	210	26.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	39.	1
p-Chloro-m-cresol	ND		ug/kg	210	31.	1
2-Chlorophenol	ND		ug/kg	210	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	33.	1
2,4-Dimethylphenol	ND		ug/kg	210	68.	1
2-Nitrophenol	ND		ug/kg	440	78.	1
4-Nitrophenol	ND		ug/kg	290	84.	1
2,4-Dinitrophenol	ND		ug/kg	990	96.	1
4,6-Dinitro-o-cresol	ND		ug/kg	540	99.	1
Pentachlorophenol	ND		ug/kg	160	45.	1
Phenol	ND		ug/kg	210	31.	1
2-Methylphenol	ND		ug/kg	210	32.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	32.	1

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-09
 Client ID: SB-1 (20-21) DUP
 Sample Location: BRONX, NY

Date Collected: 05/23/18 14:55
 Date Received: 05/24/18
 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	210	39.	1
Benzoic Acid	ND		ug/kg	670	210	1
Benzyl Alcohol	ND		ug/kg	210	63.	1
Carbazole	ND		ug/kg	210	20.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	75		25-120
Phenol-d6	78		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	83		10-136
4-Terphenyl-d14	72		18-120

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-10

Date Collected: 05/23/18 15:25

Client ID: SB-4 (0-5)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270D

Extraction Date: 05/27/18 01:13

Analytical Date: 05/31/18 03:44

Analyst: CB

Percent Solids: 88%

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

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-10

Date Collected: 05/23/18 15:25

Client ID: SB-4 (0-5)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	39.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	45.	1
Benzo(b)fluoranthene	ND		ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	43.	1
4-Chloroaniline	ND		ug/kg	180	34.	1
2-Nitroaniline	ND		ug/kg	180	36.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	77.	1
Dibenzofuran	ND		ug/kg	180	18.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	28.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	180	61.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	890	86.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	89.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-10

Date Collected: 05/23/18 15:25

Client ID: SB-4 (0-5)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	36.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	180	57.	1
Carbazole	ND		ug/kg	180	18.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	75		25-120
Phenol-d6	77		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	82		30-120
2,4,6-Tribromophenol	83		10-136
4-Terphenyl-d14	80		18-120

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-11

Date Collected: 05/23/18 15:50

Client ID: SB-4 (18-20)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270D

Extraction Date: 05/27/18 01:14

Analytical Date: 05/30/18 03:58

Analyst: RC

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	ND		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-11

Date Collected: 05/23/18 15:50

Client ID: SB-4 (18-20)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	75.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	74.	1
2,4-Dinitrophenol	ND		ug/kg	870	85.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	87.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-11

Date Collected: 05/23/18 15:50

Client ID: SB-4 (18-20)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	74		25-120
Phenol-d6	75		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	79		30-120
2,4,6-Tribromophenol	78		10-136
4-Terphenyl-d14	80		18-120

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-12

Date Collected: 05/23/18 13:36

Client ID: S1-S (0-0.5)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270D

Extraction Date: 05/27/18 01:14

Analytical Date: 05/31/18 05:51

Analyst: CB

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	24	J	ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	65.	1
Butyl benzyl phthalate	ND		ug/kg	190	47.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-12

Date Collected: 05/23/18 13:36

Client ID: S1-S (0-0.5)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	21	J	ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	41	J	ug/kg	110	32.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	23	J	ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	37.	1
Benzo(ghi)perylene	38	J	ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	ND		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	31	J	ug/kg	150	26.	1
Pyrene	24	J	ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	44.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	35.	1
4-Nitroaniline	ND		ug/kg	190	78.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	220	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	410	71.	1
4-Nitrophenol	ND		ug/kg	260	77.	1
2,4-Dinitrophenol	ND		ug/kg	900	88.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	90.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-12

Date Collected: 05/23/18 13:36

Client ID: S1-S (0-0.5)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	34		25-120
Phenol-d6	64		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	16		10-136
4-Terphenyl-d14	74		18-120

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-13

Date Collected: 05/23/18 13:44

Client ID: S1-E (0-0.5)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270D

Extraction Date: 05/31/18 13:23

Analytical Date: 06/01/18 01:32

Analyst: SZ

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	190	18.	1
1,2-Dichlorobenzene	ND		ug/kg	190	33.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	37.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	63	J	ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	64.	1
Butyl benzyl phthalate	ND		ug/kg	190	47.	1
Di-n-butylphthalate	ND		ug/kg	190	35.	1
Di-n-octylphthalate	ND		ug/kg	190	63.	1

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-13

Date Collected: 05/23/18 13:44

Client ID: S1-E (0-0.5)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	39.	1
Benzo(a)anthracene	37	J	ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	45.	1
Benzo(b)fluoranthene	53	J	ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	39	J	ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	28	J	ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	57	J	ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	28	J	ug/kg	150	26.	1
Pyrene	52	J	ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	43.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	35.	1
4-Nitroaniline	ND		ug/kg	190	77.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	19.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	61.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	890	87.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	89.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-13

Date Collected: 05/23/18 13:44

Client ID: S1-E (0-0.5)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	190	57.	1
Carbazole	ND		ug/kg	190	18.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	30		25-120
Phenol-d6	63		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	66		30-120
2,4,6-Tribromophenol	12		10-136
4-Terphenyl-d14	56		18-120

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-14

Date Collected: 05/23/18 13:57

Client ID: S1-C (0.5-1)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270D

Extraction Date: 05/27/18 01:14

Analytical Date: 05/31/18 04:09

Analyst: CB

Percent Solids: 93%

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	100	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	17.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	30.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	35.	1
2,6-Dinitrotoluene	ND		ug/kg	180	30.	1
Fluoranthene	ND		ug/kg	100	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	500	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	21.	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	44.	1
Di-n-butylphthalate	ND		ug/kg	180	33.	1
Di-n-octylphthalate	ND		ug/kg	180	60.	1

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-14

Date Collected: 05/23/18 13:57

Client ID: S1-C (0.5-1)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	ND		ug/kg	100	20.	1
Benzo(a)pyrene	ND		ug/kg	140	43.	1
Benzo(b)fluoranthene	ND		ug/kg	100	30.	1
Benzo(k)fluoranthene	ND		ug/kg	100	28.	1
Chrysene	ND		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	27.	1
Anthracene	ND		ug/kg	100	34.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	ND		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	24.	1
Pyrene	ND		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	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	100	33.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	180	58.	1
2-Nitrophenol	ND		ug/kg	380	66.	1
4-Nitrophenol	ND		ug/kg	240	72.	1
2,4-Dinitrophenol	ND		ug/kg	840	82.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	84.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	26.	1
2-Methylphenol	ND		ug/kg	180	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	28.	1

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-14

Date Collected: 05/23/18 13:57

Client ID: S1-C (0.5-1)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		25-120
Phenol-d6	74		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	76		30-120
2,4,6-Tribromophenol	76		10-136
4-Terphenyl-d14	75		18-120

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-15

Date Collected: 05/23/18 14:07

Client ID: S1-N (0.5-1.5)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270D

Extraction Date: 05/27/18 01:14

Analytical Date: 05/31/18 04:34

Analyst: CB

Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	ND		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-15

Date Collected: 05/23/18 14:07

Client ID: S1-N (0.5-1.5)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	390	67.	1
4-Nitrophenol	ND		ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	860	84.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	86.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-15

Date Collected: 05/23/18 14:07

Client ID: S1-N (0.5-1.5)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		25-120
Phenol-d6	65		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	68		30-120
2,4,6-Tribromophenol	64		10-136
4-Terphenyl-d14	69		18-120

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-16

Date Collected: 05/23/18 16:00

Client ID: FIELD BLANK

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 1,8270D

Extraction Date: 05/26/18 02:20

Analytical Date: 05/30/18 04:29

Analyst: RC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	0.59	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.66	1
Hexachlorobenzene	ND		ug/l	2.0	0.58	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
2-Chloronaphthalene	ND		ug/l	2.0	0.64	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.69	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.71	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
Fluoranthene	ND		ug/l	2.0	0.57	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorobutadiene	ND		ug/l	2.0	0.72	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Hexachloroethane	ND		ug/l	2.0	0.68	1
Isophorone	ND		ug/l	5.0	0.60	1
Naphthalene	ND		ug/l	2.0	0.68	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-16

Date Collected: 05/23/18 16:00

Client ID: FIELD BLANK

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Benzo(a)anthracene	ND		ug/l	2.0	0.61	1
Benzo(a)pyrene	ND		ug/l	2.0	0.54	1
Benzo(b)fluoranthene	ND		ug/l	2.0	0.64	1
Benzo(k)fluoranthene	ND		ug/l	2.0	0.60	1
Chrysene	ND		ug/l	2.0	0.54	1
Acenaphthylene	ND		ug/l	2.0	0.66	1
Anthracene	ND		ug/l	2.0	0.64	1
Benzo(ghi)perylene	ND		ug/l	2.0	0.61	1
Fluorene	ND		ug/l	2.0	0.62	1
Phenanthrene	ND		ug/l	2.0	0.61	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.55	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.71	1
Pyrene	ND		ug/l	2.0	0.57	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	ND		ug/l	2.0	0.66	1
2-Methylnaphthalene	ND		ug/l	2.0	0.72	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Pentachlorophenol	ND		ug/l	10	3.4	1
Phenol	ND		ug/l	5.0	1.9	1
2-Methylphenol	ND		ug/l	5.0	1.0	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-16

Date Collected: 05/23/18 16:00

Client ID: FIELD BLANK

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Benzoic Acid	ND		ug/l	50	13.	1
Benzyl Alcohol	ND		ug/l	2.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		21-120
Phenol-d6	50		10-120
Nitrobenzene-d5	102		23-120
2-Fluorobiphenyl	91		15-120
2,4,6-Tribromophenol	81		10-120
4-Terphenyl-d14	87		41-149

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-18

Date Collected: 05/23/18 13:22

Client ID: S1-W (0-1)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270D

Extraction Date: 05/31/18 13:23

Analytical Date: 06/01/18 01:06

Analyst: SZ

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	35.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	42	J	ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	45	J	ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	67.	1
Butyl benzyl phthalate	ND		ug/kg	190	49.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	66.	1

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-18

Date Collected: 05/23/18 13:22

Client ID: S1-W (0-1)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	30	J	ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	150	47.	1
Benzo(b)fluoranthene	39	J	ug/kg	120	32.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	57	J	ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	150	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	ND		ug/kg	150	23.	1
Fluorene	ND		ug/kg	190	19.	1
Phenanthrene	120		ug/kg	120	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	27.	1
Pyrene	43	J	ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	45.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	80.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	74	J	ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	29.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	64.	1
2-Nitrophenol	ND		ug/kg	420	72.	1
4-Nitrophenol	ND		ug/kg	270	79.	1
2,4-Dinitrophenol	ND		ug/kg	920	90.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	92.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-18

Date Collected: 05/23/18 13:22

Client ID: S1-W (0-1)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Benzoic Acid	ND		ug/kg	620	200	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	ND		ug/kg	190	19.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		25-120
Phenol-d6	82		10-120
Nitrobenzene-d5	95		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	39		10-136
4-Terphenyl-d14	55		18-120

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 05/30/18 00:44
 Analyst: RC

Extraction Method: EPA 3510C
 Extraction Date: 05/26/18 02:20

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 16 Batch: WG1119764-1					
Acenaphthene	ND		ug/l	2.0	0.59
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.66
Hexachlorobenzene	ND		ug/l	2.0	0.58
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67
2-Chloronaphthalene	ND		ug/l	2.0	0.64
1,2-Dichlorobenzene	ND		ug/l	2.0	0.73
1,3-Dichlorobenzene	ND		ug/l	2.0	0.69
1,4-Dichlorobenzene	ND		ug/l	2.0	0.71
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1
Fluoranthene	ND		ug/l	2.0	0.57
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63
Hexachlorobutadiene	ND		ug/l	2.0	0.72
Hexachlorocyclopentadiene	ND		ug/l	20	7.8
Hexachloroethane	ND		ug/l	2.0	0.68
Isophorone	ND		ug/l	5.0	0.60
Naphthalene	ND		ug/l	2.0	0.68
Nitrobenzene	ND		ug/l	2.0	0.75
NDPA/DPA	ND		ug/l	2.0	0.64
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91
Butyl benzyl phthalate	ND		ug/l	5.0	1.3
Di-n-butylphthalate	ND		ug/l	5.0	0.69
Di-n-octylphthalate	ND		ug/l	5.0	1.1
Diethyl phthalate	ND		ug/l	5.0	0.63

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 05/30/18 00:44
 Analyst: RC

Extraction Method: EPA 3510C
 Extraction Date: 05/26/18 02:20

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 16 Batch: WG1119764-1					
Dimethyl phthalate	ND		ug/l	5.0	0.65
Benzo(a)anthracene	ND		ug/l	2.0	0.61
Benzo(a)pyrene	ND		ug/l	2.0	0.54
Benzo(b)fluoranthene	ND		ug/l	2.0	0.64
Benzo(k)fluoranthene	ND		ug/l	2.0	0.60
Chrysene	ND		ug/l	2.0	0.54
Acenaphthylene	ND		ug/l	2.0	0.66
Anthracene	ND		ug/l	2.0	0.64
Benzo(ghi)perylene	ND		ug/l	2.0	0.61
Fluorene	ND		ug/l	2.0	0.62
Phenanthrene	ND		ug/l	2.0	0.61
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.55
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.71
Pyrene	ND		ug/l	2.0	0.57
Biphenyl	ND		ug/l	2.0	0.76
4-Chloroaniline	ND		ug/l	5.0	0.63
2-Nitroaniline	ND		ug/l	5.0	1.1
3-Nitroaniline	ND		ug/l	5.0	1.2
4-Nitroaniline	ND		ug/l	5.0	1.3
Dibenzofuran	ND		ug/l	2.0	0.66
2-Methylnaphthalene	ND		ug/l	2.0	0.72
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67
Acetophenone	ND		ug/l	5.0	0.85
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68
p-Chloro-m-cresol	ND		ug/l	2.0	0.62
2-Chlorophenol	ND		ug/l	2.0	0.63
2,4-Dichlorophenol	ND		ug/l	5.0	0.77
2,4-Dimethylphenol	ND		ug/l	5.0	1.6
2-Nitrophenol	ND		ug/l	10	1.5

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 05/30/18 00:44
 Analyst: RC

Extraction Method: EPA 3510C
 Extraction Date: 05/26/18 02:20

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 16 Batch: WG1119764-1					
4-Nitrophenol	ND		ug/l	10	1.8
2,4-Dinitrophenol	ND		ug/l	20	5.5
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1
Pentachlorophenol	ND		ug/l	10	3.4
Phenol	ND		ug/l	5.0	1.9
2-Methylphenol	ND		ug/l	5.0	1.0
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72
Benzoic Acid	ND		ug/l	50	13.
Benzyl Alcohol	ND		ug/l	2.0	0.72
Carbazole	ND		ug/l	2.0	0.63

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/l

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	47		21-120
Phenol-d6	34		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	73		15-120
2,4,6-Tribromophenol	73		10-120
4-Terphenyl-d14	89		41-149



Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 05/30/18 01:57
 Analyst: RC

Extraction Method: EPA 3546
 Extraction Date: 05/27/18 01:13

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-12,14-15 Batch: WG1119963-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	18.
Hexachlorobenzene	ND		ug/kg	97	18.
Bis(2-chloroethyl)ether	ND		ug/kg	140	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	32.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	97	18.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	17.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	170	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	460	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	140	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	140	24.
NDPA/DPA	ND		ug/kg	130	18.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	55.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 05/30/18 01:57
 Analyst: RC

Extraction Method: EPA 3546
 Extraction Date: 05/27/18 01:13

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-12,14-15 Batch: WG1119963-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	97	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	97	27.
Benzo(k)fluoranthene	ND		ug/kg	97	26.
Chrysene	ND		ug/kg	97	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	97	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	97	20.
Dibenzo(a,h)anthracene	ND		ug/kg	97	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	22.
Pyrene	ND		ug/kg	97	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	29.
2-Nitroaniline	ND		ug/kg	160	31.
3-Nitroaniline	ND		ug/kg	160	30.
4-Nitroaniline	ND		ug/kg	160	67.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	190	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	97	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	140	26.
2,4-Dimethylphenol	ND		ug/kg	160	53.
2-Nitrophenol	ND		ug/kg	350	61.

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 05/30/18 01:57
 Analyst: RC

Extraction Method: EPA 3546
 Extraction Date: 05/27/18 01:13

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-12,14-15 Batch: WG1119963-1					
4-Nitrophenol	ND		ug/kg	230	66.
2,4-Dinitrophenol	ND		ug/kg	780	75.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	24.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	25.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	520	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.

Tentatively Identified Compounds

Total TIC Compounds	157	J	ug/kg
Aldol Condensates	157	J	ug/kg

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	66		10-136
4-Terphenyl-d14	71		18-120

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 05/31/18 07:47
 Analyst: PS

Extraction Method: EPA 3546
 Extraction Date: 05/30/18 17:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 13,18 Batch: WG1120801-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	170	19.
Hexachlorobenzene	ND		ug/kg	100	19.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	170	16.
1,2-Dichlorobenzene	ND		ug/kg	170	30.
1,3-Dichlorobenzene	ND		ug/kg	170	29.
1,4-Dichlorobenzene	ND		ug/kg	170	29.
3,3'-Dichlorobenzidine	ND		ug/kg	170	44.
2,4-Dinitrotoluene	ND		ug/kg	170	33.
2,6-Dinitrotoluene	ND		ug/kg	170	28.
Fluoranthene	ND		ug/kg	100	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.
4-Bromophenyl phenyl ether	ND		ug/kg	170	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.
Hexachlorobutadiene	ND		ug/kg	170	24.
Hexachlorocyclopentadiene	ND		ug/kg	480	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	22.
Naphthalene	ND		ug/kg	170	20.
Nitrobenzene	ND		ug/kg	150	25.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	58.
Butyl benzyl phthalate	ND		ug/kg	170	42.
Di-n-butylphthalate	ND		ug/kg	170	32.
Di-n-octylphthalate	ND		ug/kg	170	56.
Diethyl phthalate	ND		ug/kg	170	15.

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 05/31/18 07:47
 Analyst: PS

Extraction Method: EPA 3546
 Extraction Date: 05/30/18 17:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 13,18 Batch: WG1120801-1					
Dimethyl phthalate	ND		ug/kg	170	35.
Benzo(a)anthracene	ND		ug/kg	100	19.
Benzo(a)pyrene	ND		ug/kg	130	41.
Benzo(b)fluoranthene	ND		ug/kg	100	28.
Benzo(k)fluoranthene	ND		ug/kg	100	27.
Chrysene	ND		ug/kg	100	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	100	32.
Benzo(ghi)perylene	ND		ug/kg	130	20.
Fluorene	ND		ug/kg	170	16.
Phenanthrene	ND		ug/kg	100	20.
Dibenzo(a,h)anthracene	ND		ug/kg	100	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	100	16.
Biphenyl	ND		ug/kg	380	39.
4-Chloroaniline	ND		ug/kg	170	30.
2-Nitroaniline	ND		ug/kg	170	32.
3-Nitroaniline	ND		ug/kg	170	31.
4-Nitroaniline	ND		ug/kg	170	69.
Dibenzofuran	ND		ug/kg	170	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	17.
Acetophenone	ND		ug/kg	170	21.
2,4,6-Trichlorophenol	ND		ug/kg	100	32.
p-Chloro-m-cresol	ND		ug/kg	170	25.
2-Chlorophenol	ND		ug/kg	170	20.
2,4-Dichlorophenol	ND		ug/kg	150	27.
2,4-Dimethylphenol	ND		ug/kg	170	55.
2-Nitrophenol	ND		ug/kg	360	62.

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 05/31/18 07:47
 Analyst: PS

Extraction Method: EPA 3546
 Extraction Date: 05/30/18 17:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 13,18 Batch: WG1120801-1					
4-Nitrophenol	ND		ug/kg	230	68.
2,4-Dinitrophenol	ND		ug/kg	800	78.
4,6-Dinitro-o-cresol	ND		ug/kg	430	80.
Pentachlorophenol	ND		ug/kg	130	37.
Phenol	ND		ug/kg	170	25.
2-Methylphenol	ND		ug/kg	170	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	170	32.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	170	51.
Carbazole	ND		ug/kg	170	16.

Tentatively Identified Compounds

Total TIC Compounds	193	J	ug/kg
Aldol Condensates	193	J	ug/kg

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	75		25-120
Phenol-d6	75		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	81		30-120
2,4,6-Tribromophenol	88		10-136
4-Terphenyl-d14	86		18-120



Lab Control Sample Analysis

Batch Quality Control

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 16 Batch: WG1119764-2 WG1119764-3								
Acenaphthene	91		86		37-111	6		30
1,2,4-Trichlorobenzene	81		74		39-98	9		30
Hexachlorobenzene	91		86		40-140	6		30
Bis(2-chloroethyl)ether	82		74		40-140	10		30
2-Chloronaphthalene	90		85		40-140	6		30
1,2-Dichlorobenzene	78		70		40-140	11		30
1,3-Dichlorobenzene	76		67		40-140	13		30
1,4-Dichlorobenzene	75		68		36-97	10		30
3,3'-Dichlorobenzidine	80		84		40-140	5		30
2,4-Dinitrotoluene	106		99		48-143	7		30
2,6-Dinitrotoluene	106		99		40-140	7		30
Fluoranthene	99		96		40-140	3		30
4-Chlorophenyl phenyl ether	94		86		40-140	9		30
4-Bromophenyl phenyl ether	97		89		40-140	9		30
Bis(2-chloroisopropyl)ether	78		72		40-140	8		30
Bis(2-chloroethoxy)methane	89		83		40-140	7		30
Hexachlorobutadiene	77		71		40-140	8		30
Hexachlorocyclopentadiene	59		56		40-140	5		30
Hexachloroethane	78		71		40-140	9		30
Isophorone	93		86		40-140	8		30
Naphthalene	84		79		40-140	6		30
Nitrobenzene	89		84		40-140	6		30
NDPA/DPA	99		93		40-140	6		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 16 Batch: WG1119764-2 WG1119764-3								
n-Nitrosodi-n-propylamine	91		84		29-132	8		30
Bis(2-ethylhexyl)phthalate	127		126		40-140	1		30
Butyl benzyl phthalate	120		117		40-140	3		30
Di-n-butylphthalate	114		110		40-140	4		30
Di-n-octylphthalate	133		130		40-140	2		30
Diethyl phthalate	112		104		40-140	7		30
Dimethyl phthalate	106		100		40-140	6		30
Benzo(a)anthracene	99		96		40-140	3		30
Benzo(a)pyrene	102		96		40-140	6		30
Benzo(b)fluoranthene	107		102		40-140	5		30
Benzo(k)fluoranthene	97		90		40-140	7		30
Chrysene	96		92		40-140	4		30
Acenaphthylene	98		93		45-123	5		30
Anthracene	99		95		40-140	4		30
Benzo(ghi)perylene	99		94		40-140	5		30
Fluorene	95		93		40-140	2		30
Phenanthrene	93		90		40-140	3		30
Dibenzo(a,h)anthracene	102		97		40-140	5		30
Indeno(1,2,3-cd)pyrene	103		100		40-140	3		30
Pyrene	99		94		26-127	5		30
Biphenyl	98		90		40-140	9		30
4-Chloroaniline	72		70		40-140	3		30
2-Nitroaniline	107		104		52-143	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 16 Batch: WG1119764-2 WG1119764-3								
3-Nitroaniline	81		84		25-145	4		30
4-Nitroaniline	96		98		51-143	2		30
Dibenzofuran	96		90		40-140	6		30
2-Methylnaphthalene	90		84		40-140	7		30
1,2,4,5-Tetrachlorobenzene	86		80		2-134	7		30
Acetophenone	98		92		39-129	6		30
2,4,6-Trichlorophenol	95		91		30-130	4		30
p-Chloro-m-cresol	102	Q	102	Q	23-97	0		30
2-Chlorophenol	90		84		27-123	7		30
2,4-Dichlorophenol	99		92		30-130	7		30
2,4-Dimethylphenol	105		88		30-130	18		30
2-Nitrophenol	99		92		30-130	7		30
4-Nitrophenol	76		76		10-80	0		30
2,4-Dinitrophenol	85		82		20-130	4		30
4,6-Dinitro-o-cresol	105		101		20-164	4		30
Pentachlorophenol	77		66		9-103	15		30
Phenol	47		44		12-110	7		30
2-Methylphenol	83		77		30-130	8		30
3-Methylphenol/4-Methylphenol	90		83		30-130	8		30
2,4,5-Trichlorophenol	96		96		30-130	0		30
Benzoic Acid	39		32		10-164	20		30
Benzyl Alcohol	87		82		26-116	6		30
Carbazole	103		98		55-144	5		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

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): 16 Batch: WG1119764-2 WG1119764-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	64		60		21-120
Phenol-d6	47		47		10-120
Nitrobenzene-d5	93		84		23-120
2-Fluorobiphenyl	93		88		15-120
2,4,6-Tribromophenol	93		87		10-120
4-Terphenyl-d14	96		93		41-149

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-12,14-15 Batch: WG1119963-2 WG1119963-3								
Acenaphthene	72		62		31-137	15		50
1,2,4-Trichlorobenzene	66		61		38-107	8		50
Hexachlorobenzene	70		59		40-140	17		50
Bis(2-chloroethyl)ether	62		56		40-140	10		50
2-Chloronaphthalene	73		63		40-140	15		50
1,2-Dichlorobenzene	65		61		40-140	6		50
1,3-Dichlorobenzene	62		58		40-140	7		50
1,4-Dichlorobenzene	63		58		28-104	8		50
3,3'-Dichlorobenzidine	65		55		40-140	17		50
2,4-Dinitrotoluene	82		69		40-132	17		50
2,6-Dinitrotoluene	80		66		40-140	19		50
Fluoranthene	76		67		40-140	13		50
4-Chlorophenyl phenyl ether	74		62		40-140	18		50
4-Bromophenyl phenyl ether	75		63		40-140	17		50
Bis(2-chloroisopropyl)ether	60		53		40-140	12		50
Bis(2-chloroethoxy)methane	68		60		40-117	13		50
Hexachlorobutadiene	69		63		40-140	9		50
Hexachlorocyclopentadiene	55		46		40-140	18		50
Hexachloroethane	68		65		40-140	5		50
Isophorone	68		60		40-140	13		50
Naphthalene	70		63		40-140	11		50
Nitrobenzene	70		63		40-140	11		50
NDPA/DPA	78		65		36-157	18		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-12,14-15 Batch: WG1119963-2 WG1119963-3								
n-Nitrosodi-n-propylamine	67		59		32-121	13		50
Bis(2-ethylhexyl)phthalate	101		82		40-140	21		50
Butyl benzyl phthalate	92		81		40-140	13		50
Di-n-butylphthalate	87		76		40-140	13		50
Di-n-octylphthalate	105		87		40-140	19		50
Diethyl phthalate	86		72		40-140	18		50
Dimethyl phthalate	81		67		40-140	19		50
Benzo(a)anthracene	79		65		40-140	19		50
Benzo(a)pyrene	80		68		40-140	16		50
Benzo(b)fluoranthene	78		66		40-140	17		50
Benzo(k)fluoranthene	78		67		40-140	15		50
Chrysene	76		63		40-140	19		50
Acenaphthylene	79		68		40-140	15		50
Anthracene	77		67		40-140	14		50
Benzo(ghi)perylene	75		64		40-140	16		50
Fluorene	75		64		40-140	16		50
Phenanthrene	72		64		40-140	12		50
Dibenzo(a,h)anthracene	76		64		40-140	17		50
Indeno(1,2,3-cd)pyrene	79		66		40-140	18		50
Pyrene	75		65		35-142	14		50
Biphenyl	79		68		54-104	15		50
4-Chloroaniline	59		52		40-140	13		50
2-Nitroaniline	83		71		47-134	16		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-12,14-15 Batch: WG1119963-2 WG1119963-3								
3-Nitroaniline	66		57		26-129	15		50
4-Nitroaniline	77		68		41-125	12		50
Dibenzofuran	74		65		40-140	13		50
2-Methylnaphthalene	74		64		40-140	14		50
1,2,4,5-Tetrachlorobenzene	70		63		40-117	11		50
Acetophenone	75		68		14-144	10		50
2,4,6-Trichlorophenol	77		64		30-130	18		50
p-Chloro-m-cresol	86		70		26-103	21		50
2-Chlorophenol	72		66		25-102	9		50
2,4-Dichlorophenol	78		66		30-130	17		50
2,4-Dimethylphenol	84		73		30-130	14		50
2-Nitrophenol	73		67		30-130	9		50
4-Nitrophenol	84		68		11-114	21		50
2,4-Dinitrophenol	65		50		4-130	26		50
4,6-Dinitro-o-cresol	80		65		10-130	21		50
Pentachlorophenol	59		47		17-109	23		50
Phenol	65		59		26-90	10		50
2-Methylphenol	70		63		30-130.	11		50
3-Methylphenol/4-Methylphenol	78		68		30-130	14		50
2,4,5-Trichlorophenol	76		66		30-130	14		50
Benzoic Acid	58		38		10-110	42		50
Benzyl Alcohol	78		68		40-140	14		50
Carbazole	79		69		54-128	14		50

Lab Control Sample Analysis Batch Quality Control

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-12,14-15 Batch: WG1119963-2 WG1119963-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	74		68		25-120
Phenol-d6	77		67		10-120
Nitrobenzene-d5	77		69		23-120
2-Fluorobiphenyl	81		71		30-120
2,4,6-Tribromophenol	77		65		10-136
4-Terphenyl-d14	80		68		18-120

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 13,18 Batch: WG1120801-2 WG1120801-3								
Acenaphthene	79		78		31-137	1		50
1,2,4-Trichlorobenzene	84		80		38-107	5		50
Hexachlorobenzene	90		86		40-140	5		50
Bis(2-chloroethyl)ether	73		70		40-140	4		50
2-Chloronaphthalene	93		88		40-140	6		50
1,2-Dichlorobenzene	74		72		40-140	3		50
1,3-Dichlorobenzene	72		71		40-140	1		50
1,4-Dichlorobenzene	73		72		28-104	1		50
3,3'-Dichlorobenzidine	60		58		40-140	3		50
2,4-Dinitrotoluene	96		92		40-132	4		50
2,6-Dinitrotoluene	104		99		40-140	5		50
Fluoranthene	90		87		40-140	3		50
4-Chlorophenyl phenyl ether	88		86		40-140	2		50
4-Bromophenyl phenyl ether	91		88		40-140	3		50
Bis(2-chloroisopropyl)ether	68		67		40-140	1		50
Bis(2-chloroethoxy)methane	76		72		40-117	5		50
Hexachlorobutadiene	88		86		40-140	2		50
Hexachlorocyclopentadiene	66		65		40-140	2		50
Hexachloroethane	72		71		40-140	1		50
Isophorone	76		72		40-140	5		50
Naphthalene	79		77		40-140	3		50
Nitrobenzene	75		72		40-140	4		50
NDPA/DPA	87		85		36-157	2		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 13,18 Batch: WG1120801-2 WG1120801-3								
n-Nitrosodi-n-propylamine	74		71		32-121	4		50
Bis(2-ethylhexyl)phthalate	79		75		40-140	5		50
Butyl benzyl phthalate	83		81		40-140	2		50
Di-n-butylphthalate	84		82		40-140	2		50
Di-n-octylphthalate	78		75		40-140	4		50
Diethyl phthalate	87		84		40-140	4		50
Dimethyl phthalate	92		89		40-140	3		50
Benzo(a)anthracene	83		80		40-140	4		50
Benzo(a)pyrene	75		74		40-140	1		50
Benzo(b)fluoranthene	77		71		40-140	8		50
Benzo(k)fluoranthene	75		77		40-140	3		50
Chrysene	84		80		40-140	5		50
Acenaphthylene	93		88		40-140	6		50
Anthracene	83		80		40-140	4		50
Benzo(ghi)perylene	85		82		40-140	4		50
Fluorene	84		82		40-140	2		50
Phenanthrene	84		82		40-140	2		50
Dibenzo(a,h)anthracene	84		80		40-140	5		50
Indeno(1,2,3-cd)pyrene	86		80		40-140	7		50
Pyrene	90		86		35-142	5		50
Biphenyl	94		91		54-104	3		50
4-Chloroaniline	68		63		40-140	8		50
2-Nitroaniline	94		88		47-134	7		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 13,18 Batch: WG1120801-2 WG1120801-3								
3-Nitroaniline	77		76		26-129	1		50
4-Nitroaniline	84		81		41-125	4		50
Dibenzofuran	82		81		40-140	1		50
2-Methylnaphthalene	84		81		40-140	4		50
1,2,4,5-Tetrachlorobenzene	100		95		40-117	5		50
Acetophenone	80		76		14-144	5		50
2,4,6-Trichlorophenol	95		90		30-130	5		50
p-Chloro-m-cresol	87		84		26-103	4		50
2-Chlorophenol	82		78		25-102	5		50
2,4-Dichlorophenol	88		83		30-130	6		50
2,4-Dimethylphenol	86		81		30-130	6		50
2-Nitrophenol	87		83		30-130	5		50
4-Nitrophenol	83		80		11-114	4		50
2,4-Dinitrophenol	63		65		4-130	3		50
4,6-Dinitro-o-cresol	99		96		10-130	3		50
Pentachlorophenol	74		74		17-109	0		50
Phenol	81		76		26-90	6		50
2-Methylphenol	81		77		30-130	5		50
3-Methylphenol/4-Methylphenol	87		82		30-130	6		50
2,4,5-Trichlorophenol	98		93		30-130	5		50
Benzoic Acid	22		31		10-110	34		50
Benzyl Alcohol	78		76		40-140	3		50
Carbazole	84		80		54-128	5		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 13,18 Batch: WG1120801-2 WG1120801-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	77		75		25-120
Phenol-d6	79		76		10-120
Nitrobenzene-d5	73		71		23-120
2-Fluorobiphenyl	83		83		30-120
2,4,6-Tribromophenol	89		85		10-136
4-Terphenyl-d14	85		84		18-120

Matrix Spike Analysis

Batch Quality Control

Project Name: 2135 WESTCHESTER

Project Number: 2135 WESTCHESTER

Lab Number: L1819157

Report Date: 06/01/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Client ID: SB-4 (18-20)												
Associated sample(s): 01-12,14-15 QC Batch ID: WG1119963-4 WG1119963-5 QC Sample: L1819157-11												
Acenaphthene	ND	1460	1000	69		1000	68		31-137	0		50
1,2,4-Trichlorobenzene	ND	1460	950	65		970	66		38-107	2		50
Hexachlorobenzene	ND	1460	990	68		1000	68		40-140	1		50
Bis(2-chloroethyl)ether	ND	1460	880	60		880	60		40-140	0		50
2-Chloronaphthalene	ND	1460	1000	69		1000	68		40-140	0		50
1,2-Dichlorobenzene	ND	1460	960	66		940	64		40-140	2		50
1,3-Dichlorobenzene	ND	1460	910	62		900	61		40-140	1		50
1,4-Dichlorobenzene	ND	1460	900	62		910	62		28-104	1		50
3,3'-Dichlorobenzidine	ND	1460	1100	75		1100	74		40-140	0		50
2,4-Dinitrotoluene	ND	1460	1200	82		1200	81		40-132	0		50
2,6-Dinitrotoluene	ND	1460	1100	75		1200	81		40-140	9		50
Fluoranthene	ND	1460	1100	75		1200	81		40-140	9		50
4-Chlorophenyl phenyl ether	ND	1460	1000	69		1100	74		40-140	10		50
4-Bromophenyl phenyl ether	ND	1460	1000	69		1100	74		40-140	10		50
Bis(2-chloroisopropyl)ether	ND	1460	870	60		860	58		40-140	1		50
Bis(2-chloroethoxy)methane	ND	1460	960	66		950	64		40-117	1		50
Hexachlorobutadiene	ND	1460	980	67		1000	68		40-140	2		50
Hexachlorocyclopentadiene	ND	1460	760	52		760	51		40-140	0		50
Hexachloroethane	ND	1460	970	67		990	67		40-140	2		50
Isophorone	ND	1460	980	67		970	66		40-140	1		50
Naphthalene	ND	1460	1000	69		1000	68		40-140	0		50
Nitrobenzene	ND	1460	980	67		1000	68		40-140	2		50
NDPA/DPA	ND	1460	1100	75		1200	81		36-157	9		50

Matrix Spike Analysis

Batch Quality Control

Project Name: 2135 WESTCHESTER

Project Number: 2135 WESTCHESTER

Lab Number: L1819157

Report Date: 06/01/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-12,14-15 QC Batch ID: WG1119963-4 WG1119963-5 QC Sample: L1819157-11 Client ID: SB-4 (18-20)												
n-Nitrosodi-n-propylamine	ND	1460	980	67		1000	68		32-121	2		50
Bis(2-ethylhexyl)phthalate	ND	1460	1400	96		1400	95		40-140	0		50
Butyl benzyl phthalate	ND	1460	1400	96		1400	95		40-140	0		50
Di-n-butylphthalate	ND	1460	1300	89		1300	88		40-140	0		50
Di-n-octylphthalate	ND	1460	1500	100		1500	100		40-140	0		50
Diethyl phthalate	ND	1460	1200	82		1300	88		40-140	8		50
Dimethyl phthalate	ND	1460	1100	75		1200	81		40-140	9		50
Benzo(a)anthracene	ND	1460	1100	75		1100	74		40-140	0		50
Benzo(a)pyrene	ND	1460	1200	82		1200	81		40-140	0		50
Benzo(b)fluoranthene	ND	1460	1100	75		1100	74		40-140	0		50
Benzo(k)fluoranthene	ND	1460	1100	75		1200	81		40-140	9		50
Chrysene	ND	1460	1000	69		1100	74		40-140	10		50
Acenaphthylene	ND	1460	1100	75		1100	74		40-140	0		50
Anthracene	ND	1460	1100	75		1200	81		40-140	9		50
Benzo(ghi)perylene	ND	1460	1100	75		1100	74		40-140	0		50
Fluorene	ND	1460	1000	69		1100	74		40-140	10		50
Phenanthrene	ND	1460	1100	75		1100	74		40-140	0		50
Dibenzo(a,h)anthracene	ND	1460	1100	75		1200	81		40-140	9		50
Indeno(1,2,3-cd)pyrene	ND	1460	1200	82		1200	81		40-140	0		50
Pyrene	ND	1460	1100	75		1100	74		35-142	0		50
Biphenyl	ND	1460	1100	75		1100	74		54-104	0		50
4-Chloroaniline	ND	1460	790	54		890	60		40-140	12		50
2-Nitroaniline	ND	1460	1100	75		1200	81		47-134	9		50

Matrix Spike Analysis

Batch Quality Control

Project Name: 2135 WESTCHESTER

Project Number: 2135 WESTCHESTER

Lab Number: L1819157

Report Date: 06/01/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Client ID: SB-4 (18-20)												
Associated sample(s): 01-12,14-15 QC Batch ID: WG1119963-4 WG1119963-5 QC Sample: L1819157-11												
3-Nitroaniline	ND	1460	970	67		960	65		26-129	1		50
4-Nitroaniline	ND	1460	1100	75		1200	81		41-125	9		50
Dibenzofuran	ND	1460	1000	69		1100	74		40-140	10		50
2-Methylnaphthalene	ND	1460	1100	75		1100	74		40-140	0		50
1,2,4,5-Tetrachlorobenzene	ND	1460	1000	69		1000	68		40-117	0		50
Acetophenone	ND	1460	1100	75		1100	74		14-144	0		50
2,4,6-Trichlorophenol	ND	1460	1100	75		1100	74		30-130	0		50
p-Chloro-m-cresol	ND	1460	1200	82		1200	81		26-103	0		50
2-Chlorophenol	ND	1460	1000	69		1100	74		25-102	10		50
2,4-Dichlorophenol	ND	1460	1100	75		1100	74		30-130	0		50
2,4-Dimethylphenol	ND	1460	1200	82		1200	81		30-130	0		50
2-Nitrophenol	ND	1460	1100	75		1100	74		30-130	0		50
4-Nitrophenol	ND	1460	1200	82		1300	88		11-114	8		50
2,4-Dinitrophenol	ND	1460	540J	37		560J	38		4-130	4		50
4,6-Dinitro-o-cresol	ND	1460	1100	75		1100	74		10-130	0		50
Pentachlorophenol	ND	1460	880	60		930	63		17-109	6		50
Phenol	ND	1460	940	65		950	64		26-90	1		50
2-Methylphenol	ND	1460	1000	69		1000	68		30-130	0		50
3-Methylphenol/4-Methylphenol	ND	1460	1100	75		1100	74		30-130	0		50
2,4,5-Trichlorophenol	ND	1460	1000	69		1100	74		30-130	10		50
Benzoic Acid	ND	1460	ND	0	Q	ND	0	Q	10-110	NC		50
Benzyl Alcohol	ND	1460	1100	75		1100	74		40-140	0		50
Carbazole	ND	1460	1200	82		1200	81		54-128	0		50

Matrix Spike Analysis

Batch Quality Control

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
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Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-12,14-15 QC Batch ID: WG1119963-4 WG1119963-5 QC Sample: L1819157-11
Client ID: SB-4 (18-20)

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	76		76		10-136
2-Fluorobiphenyl	77		75		30-120
2-Fluorophenol	71		71		25-120
4-Terphenyl-d14	74		76		18-120
Nitrobenzene-d5	76		74		23-120
Phenol-d6	75		72		10-120

PCBS

Project Name: 2135 WESTCHESTER
Project Number: 2135 WESTCHESTER

Lab Number: L1819157
Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-01
Client ID: SB-5 (1-2)
Sample Location: BRONX, NY

Date Collected: 05/23/18 09:55
Date Received: 05/24/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 05/31/18 01:07
Analyst: HT
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 05/26/18 23:41
Cleanup Method: EPA 3665A
Cleanup Date: 05/27/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/27/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.1	4.32	1	A
Aroclor 1221	ND		ug/kg	38.1	5.80	1	A
Aroclor 1232	ND		ug/kg	38.1	3.75	1	A
Aroclor 1242	ND		ug/kg	38.1	4.67	1	A
Aroclor 1248	ND		ug/kg	38.1	4.28	1	A
Aroclor 1254	ND		ug/kg	38.1	3.11	1	A
Aroclor 1260	ND		ug/kg	38.1	3.98	1	A
Aroclor 1262	ND		ug/kg	38.1	3.14	1	A
Aroclor 1268	ND		ug/kg	38.1	2.70	1	A
PCBs, Total	ND		ug/kg	38.1	2.70	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	48		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	55		30-150	B

Project Name: 2135 WESTCHESTER
Project Number: 2135 WESTCHESTER

Lab Number: L1819157
Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-02
Client ID: SB-5 (15-17)
Sample Location: BRONX, NY

Date Collected: 05/23/18 10:00
Date Received: 05/24/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 05/31/18 01:20
Analyst: HT
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 05/26/18 23:41
Cleanup Method: EPA 3665A
Cleanup Date: 05/27/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/27/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.1	4.21	1	A
Aroclor 1221	ND		ug/kg	37.1	5.65	1	A
Aroclor 1232	ND		ug/kg	37.1	3.65	1	A
Aroclor 1242	ND		ug/kg	37.1	4.54	1	A
Aroclor 1248	ND		ug/kg	37.1	4.16	1	A
Aroclor 1254	ND		ug/kg	37.1	3.03	1	A
Aroclor 1260	ND		ug/kg	37.1	3.88	1	A
Aroclor 1262	ND		ug/kg	37.1	3.05	1	A
Aroclor 1268	ND		ug/kg	37.1	2.63	1	A
PCBs, Total	ND		ug/kg	37.1	2.63	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	98		30-150	B
Decachlorobiphenyl	78		30-150	B

Project Name: 2135 WESTCHESTER
Project Number: 2135 WESTCHESTER

Lab Number: L1819157
Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-03
Client ID: SB-2 (1-5)
Sample Location: BRONX, NY

Date Collected: 05/23/18 10:45
Date Received: 05/24/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 05/31/18 01:32
Analyst: HT
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 05/26/18 23:41
Cleanup Method: EPA 3665A
Cleanup Date: 05/27/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/27/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.5	4.25	1	A
Aroclor 1221	ND		ug/kg	37.5	5.70	1	A
Aroclor 1232	ND		ug/kg	37.5	3.69	1	A
Aroclor 1242	ND		ug/kg	37.5	4.59	1	A
Aroclor 1248	ND		ug/kg	37.5	4.20	1	A
Aroclor 1254	ND		ug/kg	37.5	3.06	1	A
Aroclor 1260	ND		ug/kg	37.5	3.91	1	A
Aroclor 1262	ND		ug/kg	37.5	3.08	1	A
Aroclor 1268	ND		ug/kg	37.5	2.65	1	A
PCBs, Total	ND		ug/kg	37.5	2.65	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		30-150	A
Decachlorobiphenyl	40		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	46		30-150	B

Project Name: 2135 WESTCHESTER
Project Number: 2135 WESTCHESTER

Lab Number: L1819157
Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-04
Client ID: SB-2 (13-14)
Sample Location: BRONX, NY

Date Collected: 05/23/18 11:05
Date Received: 05/24/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 05/31/18 01:45
Analyst: HT
Percent Solids: 79%

Extraction Method: EPA 3546
Extraction Date: 05/26/18 23:41
Cleanup Method: EPA 3665A
Cleanup Date: 05/27/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/27/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	42.0	4.76	1	A
Aroclor 1221	ND		ug/kg	42.0	6.39	1	A
Aroclor 1232	ND		ug/kg	42.0	4.13	1	A
Aroclor 1242	ND		ug/kg	42.0	5.14	1	A
Aroclor 1248	ND		ug/kg	42.0	4.71	1	A
Aroclor 1254	ND		ug/kg	42.0	3.43	1	A
Aroclor 1260	ND		ug/kg	42.0	4.38	1	A
Aroclor 1262	ND		ug/kg	42.0	3.45	1	A
Aroclor 1268	ND		ug/kg	42.0	2.97	1	A
PCBs, Total	ND		ug/kg	42.0	2.97	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: 2135 WESTCHESTER
Project Number: 2135 WESTCHESTER

Lab Number: L1819157
Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-05
Client ID: SB-3 (15-16)
Sample Location: BRONX, NY

Date Collected: 05/23/18 12:05
Date Received: 05/24/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 05/31/18 01:57
Analyst: HT
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 05/26/18 23:41
Cleanup Method: EPA 3665A
Cleanup Date: 05/27/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/27/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.2	4.34	1	A
Aroclor 1221	ND		ug/kg	38.2	5.82	1	A
Aroclor 1232	ND		ug/kg	38.2	3.76	1	A
Aroclor 1242	ND		ug/kg	38.2	4.68	1	A
Aroclor 1248	ND		ug/kg	38.2	4.29	1	A
Aroclor 1254	ND		ug/kg	38.2	3.12	1	A
Aroclor 1260	ND		ug/kg	38.2	3.99	1	A
Aroclor 1262	ND		ug/kg	38.2	3.14	1	A
Aroclor 1268	ND		ug/kg	38.2	2.71	1	A
PCBs, Total	ND		ug/kg	38.2	2.71	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	103		30-150	B
Decachlorobiphenyl	85		30-150	B

Project Name: 2135 WESTCHESTER
Project Number: 2135 WESTCHESTER

Lab Number: L1819157
Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-06
Client ID: SB-3 (1-5)
Sample Location: BRONX, NY

Date Collected: 05/23/18 12:00
Date Received: 05/24/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 05/31/18 02:10
Analyst: HT
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 05/26/18 23:41
Cleanup Method: EPA 3665A
Cleanup Date: 05/27/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/27/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.6	4.26	1	A
Aroclor 1221	ND		ug/kg	37.6	5.72	1	A
Aroclor 1232	ND		ug/kg	37.6	3.70	1	A
Aroclor 1242	ND		ug/kg	37.6	4.60	1	A
Aroclor 1248	ND		ug/kg	37.6	4.22	1	A
Aroclor 1254	ND		ug/kg	37.6	3.07	1	A
Aroclor 1260	ND		ug/kg	37.6	3.92	1	A
Aroclor 1262	ND		ug/kg	37.6	3.09	1	A
Aroclor 1268	ND		ug/kg	37.6	2.66	1	A
PCBs, Total	ND		ug/kg	37.6	2.66	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	41		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	47		30-150	B

Project Name: 2135 WESTCHESTER
Project Number: 2135 WESTCHESTER

Lab Number: L1819157
Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-07
Client ID: SB-1 (1-5)
Sample Location: BRONX, NY

Date Collected: 05/23/18 14:05
Date Received: 05/24/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 05/31/18 02:22
Analyst: HT
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 05/26/18 23:41
Cleanup Method: EPA 3665A
Cleanup Date: 05/27/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/27/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.2	4.22	1	A
Aroclor 1221	ND		ug/kg	37.2	5.67	1	A
Aroclor 1232	ND		ug/kg	37.2	3.67	1	A
Aroclor 1242	ND		ug/kg	37.2	4.56	1	A
Aroclor 1248	ND		ug/kg	37.2	4.18	1	A
Aroclor 1254	ND		ug/kg	37.2	3.04	1	A
Aroclor 1260	ND		ug/kg	37.2	3.89	1	A
Aroclor 1262	ND		ug/kg	37.2	3.06	1	A
Aroclor 1268	ND		ug/kg	37.2	2.64	1	A
PCBs, Total	ND		ug/kg	37.2	2.64	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	43		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	49		30-150	B

Project Name: 2135 WESTCHESTER
Project Number: 2135 WESTCHESTER

Lab Number: L1819157
Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-08
Client ID: SB-1 (20-21)
Sample Location: BRONX, NY

Date Collected: 05/23/18 14:50
Date Received: 05/24/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 05/31/18 02:35
Analyst: HT
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 05/26/18 23:41
Cleanup Method: EPA 3665A
Cleanup Date: 05/27/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/27/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.1	4.44	1	A
Aroclor 1221	ND		ug/kg	39.1	5.95	1	A
Aroclor 1232	ND		ug/kg	39.1	3.85	1	A
Aroclor 1242	ND		ug/kg	39.1	4.79	1	A
Aroclor 1248	ND		ug/kg	39.1	4.39	1	A
Aroclor 1254	ND		ug/kg	39.1	3.19	1	A
Aroclor 1260	ND		ug/kg	39.1	4.08	1	A
Aroclor 1262	ND		ug/kg	39.1	3.21	1	A
Aroclor 1268	ND		ug/kg	39.1	2.77	1	A
PCBs, Total	ND		ug/kg	39.1	2.77	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: 2135 WESTCHESTER
Project Number: 2135 WESTCHESTER

Lab Number: L1819157
Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-09
Client ID: SB-1 (20-21) DUP
Sample Location: BRONX, NY

Date Collected: 05/23/18 14:55
Date Received: 05/24/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 05/31/18 02:47
Analyst: HT
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 05/26/18 23:41
Cleanup Method: EPA 3665A
Cleanup Date: 05/27/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/27/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	40.6	4.60	1	A
Aroclor 1221	ND		ug/kg	40.6	6.18	1	A
Aroclor 1232	ND		ug/kg	40.6	4.00	1	A
Aroclor 1242	ND		ug/kg	40.6	4.97	1	A
Aroclor 1248	ND		ug/kg	40.6	4.56	1	A
Aroclor 1254	ND		ug/kg	40.6	3.31	1	A
Aroclor 1260	ND		ug/kg	40.6	4.24	1	A
Aroclor 1262	ND		ug/kg	40.6	3.34	1	A
Aroclor 1268	ND		ug/kg	40.6	2.87	1	A
PCBs, Total	ND		ug/kg	40.6	2.87	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	51		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	57		30-150	B

Project Name: 2135 WESTCHESTER
Project Number: 2135 WESTCHESTER

Lab Number: L1819157
Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-10
Client ID: SB-4 (0-5)
Sample Location: BRONX, NY

Date Collected: 05/23/18 15:25
Date Received: 05/24/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 05/31/18 03:00
Analyst: HT
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 05/26/18 23:41
Cleanup Method: EPA 3665A
Cleanup Date: 05/27/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/27/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.0	4.20	1	A
Aroclor 1221	ND		ug/kg	37.0	5.63	1	A
Aroclor 1232	ND		ug/kg	37.0	3.64	1	A
Aroclor 1242	ND		ug/kg	37.0	4.53	1	A
Aroclor 1248	ND		ug/kg	37.0	4.15	1	A
Aroclor 1254	ND		ug/kg	37.0	3.02	1	A
Aroclor 1260	ND		ug/kg	37.0	3.86	1	A
Aroclor 1262	ND		ug/kg	37.0	3.04	1	A
Aroclor 1268	ND		ug/kg	37.0	2.62	1	A
PCBs, Total	ND		ug/kg	37.0	2.62	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	99		30-150	B
Decachlorobiphenyl	78		30-150	B

Project Name: 2135 WESTCHESTER
Project Number: 2135 WESTCHESTER

Lab Number: L1819157
Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-11
Client ID: SB-4 (18-20)
Sample Location: BRONX, NY

Date Collected: 05/23/18 15:50
Date Received: 05/24/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 05/31/18 00:30
Analyst: HT
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 05/26/18 23:42
Cleanup Method: EPA 3665A
Cleanup Date: 05/27/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/27/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.2	4.11	1	A
Aroclor 1221	ND		ug/kg	36.2	5.52	1	A
Aroclor 1232	ND		ug/kg	36.2	3.56	1	A
Aroclor 1242	ND		ug/kg	36.2	4.44	1	A
Aroclor 1248	ND		ug/kg	36.2	4.07	1	A
Aroclor 1254	ND		ug/kg	36.2	2.96	1	A
Aroclor 1260	ND		ug/kg	36.2	3.78	1	A
Aroclor 1262	ND		ug/kg	36.2	2.98	1	A
Aroclor 1268	ND		ug/kg	36.2	2.56	1	A
PCBs, Total	ND		ug/kg	36.2	2.56	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	97		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: 2135 WESTCHESTER
Project Number: 2135 WESTCHESTER

Lab Number: L1819157
Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-12
Client ID: S1-S (0-0.5)
Sample Location: BRONX, NY

Date Collected: 05/23/18 13:36
Date Received: 05/24/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 05/31/18 03:12
Analyst: HT
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 05/26/18 23:42
Cleanup Method: EPA 3665A
Cleanup Date: 05/27/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/27/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.6	4.27	1	A
Aroclor 1221	ND		ug/kg	37.6	5.73	1	A
Aroclor 1232	ND		ug/kg	37.6	3.70	1	A
Aroclor 1242	ND		ug/kg	37.6	4.61	1	A
Aroclor 1248	ND		ug/kg	37.6	4.22	1	A
Aroclor 1254	ND		ug/kg	37.6	3.07	1	A
Aroclor 1260	ND		ug/kg	37.6	3.93	1	B
Aroclor 1262	ND		ug/kg	37.6	3.10	1	A
Aroclor 1268	3.56	J	ug/kg	37.6	2.66	1	B
PCBs, Total	3.56	J	ug/kg	37.6	2.66	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	95		30-150	B
Decachlorobiphenyl	80		30-150	B

Project Name: 2135 WESTCHESTER
Project Number: 2135 WESTCHESTER

Lab Number: L1819157
Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-13
Client ID: S1-E (0-0.5)
Sample Location: BRONX, NY

Date Collected: 05/23/18 13:44
Date Received: 05/24/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 05/31/18 03:25
Analyst: HT
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 05/26/18 23:42
Cleanup Method: EPA 3665A
Cleanup Date: 05/27/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/27/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.7	4.28	1	A
Aroclor 1221	ND		ug/kg	37.7	5.74	1	A
Aroclor 1232	ND		ug/kg	37.7	3.71	1	A
Aroclor 1242	ND		ug/kg	37.7	4.62	1	A
Aroclor 1248	ND		ug/kg	37.7	4.23	1	A
Aroclor 1254	ND		ug/kg	37.7	3.08	1	A
Aroclor 1260	ND		ug/kg	37.7	3.94	1	A
Aroclor 1262	ND		ug/kg	37.7	3.10	1	A
Aroclor 1268	ND		ug/kg	37.7	2.67	1	A
PCBs, Total	ND		ug/kg	37.7	2.67	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	63		30-150	B

Project Name: 2135 WESTCHESTER
Project Number: 2135 WESTCHESTER

Lab Number: L1819157
Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-14
Client ID: S1-C (0.5-1)
Sample Location: BRONX, NY

Date Collected: 05/23/18 13:57
Date Received: 05/24/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 05/31/18 03:37
Analyst: HT
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 05/26/18 23:42
Cleanup Method: EPA 3665A
Cleanup Date: 05/27/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/27/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.6	4.04	1	A
Aroclor 1221	ND		ug/kg	35.6	5.42	1	A
Aroclor 1232	ND		ug/kg	35.6	3.50	1	A
Aroclor 1242	ND		ug/kg	35.6	4.36	1	A
Aroclor 1248	ND		ug/kg	35.6	3.99	1	A
Aroclor 1254	ND		ug/kg	35.6	2.90	1	A
Aroclor 1260	ND		ug/kg	35.6	3.72	1	A
Aroclor 1262	ND		ug/kg	35.6	2.92	1	A
Aroclor 1268	ND		ug/kg	35.6	2.52	1	A
PCBs, Total	ND		ug/kg	35.6	2.52	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	93		30-150	B
Decachlorobiphenyl	78		30-150	B

Project Name: 2135 WESTCHESTER
Project Number: 2135 WESTCHESTER

Lab Number: L1819157
Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-15
Client ID: S1-N (0.5-1.5)
Sample Location: BRONX, NY

Date Collected: 05/23/18 14:07
Date Received: 05/24/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 05/31/18 03:49
Analyst: HT
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 05/26/18 23:42
Cleanup Method: EPA 3665A
Cleanup Date: 05/27/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/27/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.4	4.02	1	A
Aroclor 1221	ND		ug/kg	35.4	5.39	1	A
Aroclor 1232	ND		ug/kg	35.4	3.48	1	A
Aroclor 1242	ND		ug/kg	35.4	4.34	1	A
Aroclor 1248	ND		ug/kg	35.4	3.97	1	A
Aroclor 1254	ND		ug/kg	35.4	2.89	1	A
Aroclor 1260	ND		ug/kg	35.4	3.70	1	A
Aroclor 1262	ND		ug/kg	35.4	2.91	1	A
Aroclor 1268	ND		ug/kg	35.4	2.51	1	A
PCBs, Total	ND		ug/kg	35.4	2.51	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: 2135 WESTCHESTER
Project Number: 2135 WESTCHESTER

Lab Number: L1819157
Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-16
Client ID: FIELD BLANK
Sample Location: BRONX, NY

Date Collected: 05/23/18 16:00
Date Received: 05/24/18
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 05/30/18 17:18
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 05/28/18 10:04
Cleanup Method: EPA 3665A
Cleanup Date: 05/28/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/28/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.020	1	A
Aroclor 1221	ND		ug/l	0.083	0.032	1	A
Aroclor 1232	ND		ug/l	0.083	0.027	1	A
Aroclor 1242	ND		ug/l	0.083	0.030	1	A
Aroclor 1248	ND		ug/l	0.083	0.023	1	A
Aroclor 1254	0.294	B	ug/l	0.083	0.035	1	A
Aroclor 1260	ND		ug/l	0.083	0.020	1	A
Aroclor 1262	ND		ug/l	0.083	0.017	1	A
Aroclor 1268	ND		ug/l	0.083	0.027	1	A
PCBs, Total	0.294	B	ug/l	0.083	0.017	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	41		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	45		30-150	B

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-16 RE

Date Collected: 05/23/18 16:00

Client ID: FIELD BLANK

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 1,8082A

Extraction Date: 05/31/18 16:42

Analytical Date: 06/01/18 04:30

Cleanup Method: EPA 3665A

Analyst: WR

Cleanup Date: 05/31/18

Cleanup Method: EPA 3660B

Cleanup Date: 06/01/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.020	1	A
Aroclor 1221	ND		ug/l	0.083	0.032	1	A
Aroclor 1232	ND		ug/l	0.083	0.027	1	A
Aroclor 1242	ND		ug/l	0.083	0.030	1	A
Aroclor 1248	ND		ug/l	0.083	0.023	1	A
Aroclor 1254	ND		ug/l	0.083	0.035	1	A
Aroclor 1260	ND		ug/l	0.083	0.020	1	A
Aroclor 1262	ND		ug/l	0.083	0.017	1	A
Aroclor 1268	ND		ug/l	0.083	0.027	1	A
PCBs, Total	ND		ug/l	0.083	0.017	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	44		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	47		30-150	B

Project Name: 2135 WESTCHESTER
Project Number: 2135 WESTCHESTER

Lab Number: L1819157
Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-18
Client ID: S1-W (0-1)
Sample Location: BRONX, NY

Date Collected: 05/23/18 13:22
Date Received: 05/24/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 05/31/18 04:54
Analyst: HT
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 05/26/18 23:42
Cleanup Method: EPA 3665A
Cleanup Date: 05/27/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/27/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.3	4.35	1	A
Aroclor 1221	ND		ug/kg	38.3	5.84	1	A
Aroclor 1232	ND		ug/kg	38.3	3.77	1	A
Aroclor 1242	ND		ug/kg	38.3	4.69	1	A
Aroclor 1248	ND		ug/kg	38.3	4.30	1	A
Aroclor 1254	ND		ug/kg	38.3	3.13	1	A
Aroclor 1260	ND		ug/kg	38.3	4.00	1	A
Aroclor 1262	ND		ug/kg	38.3	3.15	1	A
Aroclor 1268	ND		ug/kg	38.3	2.71	1	A
PCBs, Total	ND		ug/kg	38.3	2.71	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 05/31/18 04:02
 Analyst: HT

Extraction Method: EPA 3546
 Extraction Date: 05/26/18 23:41
 Cleanup Method: EPA 3665A
 Cleanup Date: 05/27/18
 Cleanup Method: EPA 3660B
 Cleanup Date: 05/27/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-15,18 Batch: WG1119955-1						
Aroclor 1016	ND		ug/kg	32.7	3.71	A
Aroclor 1221	ND		ug/kg	32.7	4.98	A
Aroclor 1232	ND		ug/kg	32.7	3.22	A
Aroclor 1242	ND		ug/kg	32.7	4.01	A
Aroclor 1248	ND		ug/kg	32.7	3.67	A
Aroclor 1254	ND		ug/kg	32.7	2.67	A
Aroclor 1260	ND		ug/kg	32.7	3.42	A
Aroclor 1262	ND		ug/kg	32.7	2.69	A
Aroclor 1268	ND		ug/kg	32.7	2.32	A
PCBs, Total	ND		ug/kg	32.7	2.32	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	92		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	102		30-150	B
Decachlorobiphenyl	87		30-150	B

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 05/30/18 16:41
 Analyst: WR

Extraction Method: EPA 3510C
 Extraction Date: 05/28/18 10:04
 Cleanup Method: EPA 3665A
 Cleanup Date: 05/28/18
 Cleanup Method: EPA 3660B
 Cleanup Date: 05/28/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 16 Batch: WG1120074-1						
Aroclor 1016	ND		ug/l	0.083	0.020	A
Aroclor 1221	ND		ug/l	0.083	0.032	A
Aroclor 1232	ND		ug/l	0.083	0.027	A
Aroclor 1242	ND		ug/l	0.083	0.030	A
Aroclor 1248	ND		ug/l	0.083	0.023	A
Aroclor 1254	0.161		ug/l	0.083	0.035	A
Aroclor 1260	ND		ug/l	0.083	0.020	A
Aroclor 1262	ND		ug/l	0.083	0.017	A
Aroclor 1268	ND		ug/l	0.083	0.027	A
PCBs, Total	0.161		ug/l	0.083	0.017	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	68		30-150	B

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 06/01/18 03:37
 Analyst: WR

Extraction Method: EPA 3510C
 Extraction Date: 05/31/18 16:42
 Cleanup Method: EPA 3665A
 Cleanup Date: 05/31/18
 Cleanup Method: EPA 3660B
 Cleanup Date: 06/01/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 16 Batch: WG1121226-1						
Aroclor 1016	ND		ug/l	0.083	0.020	A
Aroclor 1221	ND		ug/l	0.083	0.032	A
Aroclor 1232	ND		ug/l	0.083	0.027	A
Aroclor 1242	ND		ug/l	0.083	0.030	A
Aroclor 1248	ND		ug/l	0.083	0.023	A
Aroclor 1254	ND		ug/l	0.083	0.035	A
Aroclor 1260	ND		ug/l	0.083	0.020	A
Aroclor 1262	ND		ug/l	0.083	0.017	A
Aroclor 1268	ND		ug/l	0.083	0.027	A
PCBs, Total	ND		ug/l	0.083	0.017	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	90		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-15,18 Batch: WG1119955-2 WG1119955-3									
Aroclor 1016	91		89		40-140	2		50	A
Aroclor 1260	84		85		40-140	1		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	94		90		30-150	A
Decachlorobiphenyl	77		78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	101		97		30-150	B
Decachlorobiphenyl	85		84		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 16 Batch: WG1120074-2 WG1120074-3									
Aroclor 1016	132		132		40-140	0		50	A
Aroclor 1260	120		118		40-140	2		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		92		30-150	A
Decachlorobiphenyl	68		76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		97		30-150	B
Decachlorobiphenyl	73		82		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 16 Batch: WG1121226-2 WG1121226-3									
Aroclor 1016	96		90		40-140	7		50	A
Aroclor 1260	84		87		40-140	4		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		82		30-150	A
Decachlorobiphenyl	79		81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		87		30-150	B
Decachlorobiphenyl	91		93		30-150	B

Matrix Spike Analysis*Batch Quality Control***Project Name:** 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-15,18 QC Batch ID: WG1119955-4 WG1119955-5 QC Sample: L1819157-11 Client ID: SB-4 (18-20)													
Aroclor 1016	ND	230	204	89		197	88		40-140	3		50	A
Aroclor 1260	ND	230	180	78		183	82		40-140	2		50	A

Surrogate	MS % Recovery	Qualifier	MSD % Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		88		30-150	A
Decachlorobiphenyl	69		71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	97		94		30-150	B
Decachlorobiphenyl	78		82		30-150	B

PESTICIDES

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-01

Date Collected: 05/23/18 09:55

Client ID: SB-5 (1-2)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8081B

Extraction Date: 05/27/18 00:13

Analytical Date: 05/30/18 19:37

Cleanup Method: EPA 3620B

Analyst: KEG

Cleanup Date: 05/27/18

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.80	0.352	1	A
Lindane	ND		ug/kg	0.749	0.335	1	A
Alpha-BHC	ND		ug/kg	0.749	0.213	1	A
Beta-BHC	ND		ug/kg	1.80	0.682	1	A
Heptachlor	ND		ug/kg	0.899	0.403	1	A
Aldrin	ND		ug/kg	1.80	0.633	1	A
Heptachlor epoxide	ND		ug/kg	3.37	1.01	1	A
Endrin	ND		ug/kg	0.749	0.307	1	A
Endrin aldehyde	ND		ug/kg	2.25	0.787	1	A
Endrin ketone	ND		ug/kg	1.80	0.463	1	A
Dieldrin	0.672	J	ug/kg	1.12	0.562	1	B
4,4'-DDE	1.23	J	ug/kg	1.80	0.416	1	B
4,4'-DDD	ND		ug/kg	1.80	0.642	1	A
4,4'-DDT	2.40	J	ug/kg	3.37	1.45	1	A
Endosulfan I	ND		ug/kg	1.80	0.425	1	A
Endosulfan II	ND		ug/kg	1.80	0.601	1	A
Endosulfan sulfate	ND		ug/kg	0.749	0.357	1	A
Methoxychlor	ND		ug/kg	3.37	1.05	1	A
Toxaphene	ND		ug/kg	33.7	9.44	1	A
cis-Chlordane	ND		ug/kg	2.25	0.626	1	A
trans-Chlordane	ND		ug/kg	2.25	0.594	1	A
Chlordane	ND		ug/kg	14.6	5.96	1	A

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-01

Date Collected: 05/23/18 09:55

Client ID: SB-5 (1-2)

Date Received: 05/24/18

Sample Location: BRONX, NY

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	68		30-150	B
Decachlorobiphenyl	67		30-150	B
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	85		30-150	A

Project Name: 2135 WESTCHESTER
Project Number: 2135 WESTCHESTER

Lab Number: L1819157
Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-01
Client ID: SB-5 (1-2)
Sample Location: BRONX, NY

Date Collected: 05/23/18 09:55
Date Received: 05/24/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 05/31/18 02:11
Analyst: KEG
Percent Solids: 87%
Methylation Date: 05/29/18 21:51

Extraction Method: EPA 8151A
Extraction Date: 05/28/18 01:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
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Chlorinated Herbicides by GC - Westborough Lab

2,4-D	ND		ug/kg	186	11.8	1	A
2,4,5-T	ND		ug/kg	186	5.78	1	A
2,4,5-TP (Silvex)	ND		ug/kg	186	4.96	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	112		30-150	A
DCAA	89		30-150	B

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-02

Date Collected: 05/23/18 10:00

Client ID: SB-5 (15-17)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8081B

Extraction Date: 05/27/18 00:13

Analytical Date: 05/30/18 19:50

Cleanup Method: EPA 3620B

Analyst: KEG

Cleanup Date: 05/27/18

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.75	0.344	1	A
Lindane	ND		ug/kg	0.731	0.327	1	A
Alpha-BHC	ND		ug/kg	0.731	0.208	1	A
Beta-BHC	ND		ug/kg	1.75	0.665	1	A
Heptachlor	ND		ug/kg	0.877	0.393	1	A
Aldrin	ND		ug/kg	1.75	0.618	1	A
Heptachlor epoxide	ND		ug/kg	3.29	0.987	1	A
Endrin	ND		ug/kg	0.731	0.300	1	A
Endrin aldehyde	ND		ug/kg	2.19	0.768	1	A
Endrin ketone	ND		ug/kg	1.75	0.452	1	A
Dieldrin	ND		ug/kg	1.10	0.548	1	A
4,4'-DDE	ND		ug/kg	1.75	0.406	1	A
4,4'-DDD	ND		ug/kg	1.75	0.626	1	A
4,4'-DDT	ND		ug/kg	3.29	1.41	1	A
Endosulfan I	ND		ug/kg	1.75	0.415	1	A
Endosulfan II	ND		ug/kg	1.75	0.586	1	A
Endosulfan sulfate	ND		ug/kg	0.731	0.348	1	A
Methoxychlor	ND		ug/kg	3.29	1.02	1	A
Toxaphene	ND		ug/kg	32.9	9.21	1	A
cis-Chlordane	ND		ug/kg	2.19	0.611	1	A
trans-Chlordane	ND		ug/kg	2.19	0.579	1	A
Chlordane	ND		ug/kg	14.2	5.81	1	A

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-02

Date Collected: 05/23/18 10:00

Client ID: SB-5 (15-17)

Date Received: 05/24/18

Sample Location: BRONX, NY

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	72		30-150	B
Decachlorobiphenyl	83		30-150	B
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	75		30-150	A

Project Name: 2135 WESTCHESTER
Project Number: 2135 WESTCHESTER

Lab Number: L1819157
Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-02
Client ID: SB-5 (15-17)
Sample Location: BRONX, NY

Date Collected: 05/23/18 10:00
Date Received: 05/24/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 05/31/18 02:30
Analyst: KEG
Percent Solids: 90%
Methylation Date: 05/29/18 21:51

Extraction Method: EPA 8151A
Extraction Date: 05/28/18 01:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
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Chlorinated Herbicides by GC - Westborough Lab

2,4-D	ND		ug/kg	184	11.6	1	A
2,4,5-T	ND		ug/kg	184	5.71	1	A
2,4,5-TP (Silvex)	ND		ug/kg	184	4.90	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	112		30-150	A
DCAA	102		30-150	B

Project Name: 2135 WESTCHESTER
Project Number: 2135 WESTCHESTER

Lab Number: L1819157
Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-03
Client ID: SB-2 (1-5)
Sample Location: BRONX, NY

Date Collected: 05/23/18 10:45
Date Received: 05/24/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 05/30/18 20:02
Analyst: KEG
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 05/27/18 00:13
Cleanup Method: EPA 3620B
Cleanup Date: 05/27/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.84	0.361	1	A
Lindane	ND		ug/kg	0.768	0.343	1	A
Alpha-BHC	ND		ug/kg	0.768	0.218	1	A
Beta-BHC	ND		ug/kg	1.84	0.699	1	A
Heptachlor	ND		ug/kg	0.921	0.413	1	A
Aldrin	ND		ug/kg	1.84	0.649	1	A
Heptachlor epoxide	ND		ug/kg	3.45	1.04	1	A
Endrin	ND		ug/kg	0.768	0.315	1	A
Endrin aldehyde	ND		ug/kg	2.30	0.806	1	A
Endrin ketone	ND		ug/kg	1.84	0.474	1	A
Dieldrin	ND		ug/kg	1.15	0.576	1	A
4,4'-DDE	0.951	J	ug/kg	1.84	0.426	1	B
4,4'-DDD	ND		ug/kg	1.84	0.657	1	A
4,4'-DDT	2.60	J	ug/kg	3.45	1.48	1	A
Endosulfan I	ND		ug/kg	1.84	0.435	1	A
Endosulfan II	ND		ug/kg	1.84	0.616	1	A
Endosulfan sulfate	ND		ug/kg	0.768	0.365	1	A
Methoxychlor	ND		ug/kg	3.45	1.07	1	A
Toxaphene	ND		ug/kg	34.5	9.67	1	A
cis-Chlordane	ND		ug/kg	2.30	0.642	1	A
trans-Chlordane	ND		ug/kg	2.30	0.608	1	A
Chlordane	ND		ug/kg	15.0	6.10	1	A

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-03

Date Collected: 05/23/18 10:45

Client ID: SB-2 (1-5)

Date Received: 05/24/18

Sample Location: BRONX, NY

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	73		30-150	B
Decachlorobiphenyl	67		30-150	B
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	81		30-150	A

Project Name: 2135 WESTCHESTER
Project Number: 2135 WESTCHESTER

Lab Number: L1819157
Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-03
Client ID: SB-2 (1-5)
Sample Location: BRONX, NY

Date Collected: 05/23/18 10:45
Date Received: 05/24/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 05/31/18 02:50
Analyst: KEG
Percent Solids: 85%
Methylation Date: 05/29/18 21:51

Extraction Method: EPA 8151A
Extraction Date: 05/28/18 01:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
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Chlorinated Herbicides by GC - Westborough Lab

2,4-D	ND		ug/kg	191	12.1	1	A
2,4,5-T	ND		ug/kg	191	5.93	1	A
2,4,5-TP (Silvex)	ND		ug/kg	191	5.09	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	121		30-150	A
DCAA	98		30-150	B

Project Name: 2135 WESTCHESTER
Project Number: 2135 WESTCHESTER

Lab Number: L1819157
Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-04
Client ID: SB-2 (13-14)
Sample Location: BRONX, NY

Date Collected: 05/23/18 11:05
Date Received: 05/24/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 05/30/18 20:15
Analyst: KEG
Percent Solids: 79%

Extraction Method: EPA 3546
Extraction Date: 05/27/18 00:13
Cleanup Method: EPA 3620B
Cleanup Date: 05/27/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.00	0.392	1	A
Lindane	ND		ug/kg	0.834	0.373	1	A
Alpha-BHC	ND		ug/kg	0.834	0.237	1	A
Beta-BHC	ND		ug/kg	2.00	0.759	1	A
Heptachlor	ND		ug/kg	1.00	0.449	1	A
Aldrin	ND		ug/kg	2.00	0.705	1	A
Heptachlor epoxide	ND		ug/kg	3.75	1.13	1	A
Endrin	ND		ug/kg	0.834	0.342	1	A
Endrin aldehyde	ND		ug/kg	2.50	0.876	1	A
Endrin ketone	ND		ug/kg	2.00	0.516	1	A
Dieldrin	ND		ug/kg	1.25	0.626	1	A
4,4'-DDE	ND		ug/kg	2.00	0.463	1	A
4,4'-DDD	ND		ug/kg	2.00	0.714	1	A
4,4'-DDT	ND		ug/kg	3.75	1.61	1	A
Endosulfan I	ND		ug/kg	2.00	0.473	1	A
Endosulfan II	ND		ug/kg	2.00	0.669	1	A
Endosulfan sulfate	ND		ug/kg	0.834	0.397	1	A
Methoxychlor	ND		ug/kg	3.75	1.17	1	A
Toxaphene	ND		ug/kg	37.5	10.5	1	A
cis-Chlordane	ND		ug/kg	2.50	0.698	1	A
trans-Chlordane	ND		ug/kg	2.50	0.661	1	A
Chlordane	ND		ug/kg	16.3	6.63	1	A

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-04

Date Collected: 05/23/18 11:05

Client ID: SB-2 (13-14)

Date Received: 05/24/18

Sample Location: BRONX, NY

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	78		30-150	B
Decachlorobiphenyl	81		30-150	B
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
Decachlorobiphenyl	84		30-150	A

Project Name: 2135 WESTCHESTER
Project Number: 2135 WESTCHESTER

Lab Number: L1819157
Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-04
Client ID: SB-2 (13-14)
Sample Location: BRONX, NY

Date Collected: 05/23/18 11:05
Date Received: 05/24/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 05/31/18 03:29
Analyst: KEG
Percent Solids: 79%
Methylation Date: 05/29/18 21:51

Extraction Method: EPA 8151A
Extraction Date: 05/28/18 01:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
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Chlorinated Herbicides by GC - Westborough Lab

2,4-D	ND		ug/kg	207	13.1	1	A
2,4,5-T	ND		ug/kg	207	6.43	1	A
2,4,5-TP (Silvex)	ND		ug/kg	207	5.52	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	119		30-150	A
DCAA	106		30-150	B

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-05

Date Collected: 05/23/18 12:05

Client ID: SB-3 (15-16)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8081B

Extraction Date: 05/27/18 00:13

Analytical Date: 05/30/18 20:28

Cleanup Method: EPA 3620B

Analyst: KEG

Cleanup Date: 05/27/18

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.84	0.360	1	A
Lindane	ND		ug/kg	0.766	0.342	1	A
Alpha-BHC	ND		ug/kg	0.766	0.218	1	A
Beta-BHC	ND		ug/kg	1.84	0.697	1	A
Heptachlor	ND		ug/kg	0.919	0.412	1	A
Aldrin	ND		ug/kg	1.84	0.647	1	A
Heptachlor epoxide	ND		ug/kg	3.45	1.03	1	A
Endrin	ND		ug/kg	0.766	0.314	1	A
Endrin aldehyde	ND		ug/kg	2.30	0.804	1	A
Endrin ketone	ND		ug/kg	1.84	0.473	1	A
Dieldrin	ND		ug/kg	1.15	0.574	1	B
4,4'-DDE	ND		ug/kg	1.84	0.425	1	A
4,4'-DDD	ND		ug/kg	1.84	0.656	1	A
4,4'-DDT	ND		ug/kg	3.45	1.48	1	A
Endosulfan I	ND		ug/kg	1.84	0.434	1	A
Endosulfan II	ND		ug/kg	1.84	0.614	1	A
Endosulfan sulfate	ND		ug/kg	0.766	0.364	1	A
Methoxychlor	ND		ug/kg	3.45	1.07	1	A
Toxaphene	ND		ug/kg	34.5	9.65	1	A
cis-Chlordane	ND		ug/kg	2.30	0.640	1	A
trans-Chlordane	ND		ug/kg	2.30	0.606	1	A
Chlordane	ND		ug/kg	14.9	6.09	1	A

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-05

Date Collected: 05/23/18 12:05

Client ID: SB-3 (15-16)

Date Received: 05/24/18

Sample Location: BRONX, NY

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	80		30-150	B
Decachlorobiphenyl	87		30-150	B
2,4,5,6-Tetrachloro-m-xylene	90		30-150	A
Decachlorobiphenyl	86		30-150	A

Project Name: 2135 WESTCHESTER
Project Number: 2135 WESTCHESTER

Lab Number: L1819157
Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-05
Client ID: SB-3 (15-16)
Sample Location: BRONX, NY

Date Collected: 05/23/18 12:05
Date Received: 05/24/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 05/31/18 03:49
Analyst: KEG
Percent Solids: 86%
Methylation Date: 05/29/18 21:51

Extraction Method: EPA 8151A
Extraction Date: 05/28/18 01:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
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Chlorinated Herbicides by GC - Westborough Lab

2,4-D	ND		ug/kg	188	11.9	1	A
2,4,5-T	ND		ug/kg	188	5.85	1	A
2,4,5-TP (Silvex)	ND		ug/kg	188	5.02	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	120		30-150	A
DCAA	107		30-150	B

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-06

Date Collected: 05/23/18 12:00

Client ID: SB-3 (1-5)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8081B

Extraction Date: 05/27/18 00:13

Analytical Date: 05/30/18 20:41

Cleanup Method: EPA 3620B

Analyst: KEG

Cleanup Date: 05/27/18

Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.82	0.357	1	A
Lindane	ND		ug/kg	0.759	0.339	1	A
Alpha-BHC	ND		ug/kg	0.759	0.216	1	A
Beta-BHC	ND		ug/kg	1.82	0.691	1	A
Heptachlor	ND		ug/kg	0.911	0.408	1	A
Aldrin	ND		ug/kg	1.82	0.642	1	A
Heptachlor epoxide	ND		ug/kg	3.42	1.02	1	A
Endrin	ND		ug/kg	0.759	0.311	1	A
Endrin aldehyde	ND		ug/kg	2.28	0.797	1	A
Endrin ketone	ND		ug/kg	1.82	0.469	1	A
Dieldrin	ND		ug/kg	1.14	0.570	1	A
4,4'-DDE	0.755	J	ug/kg	1.82	0.421	1	B
4,4'-DDD	ND		ug/kg	1.82	0.650	1	A
4,4'-DDT	2.50	J	ug/kg	3.42	1.46	1	A
Endosulfan I	ND		ug/kg	1.82	0.430	1	A
Endosulfan II	ND		ug/kg	1.82	0.609	1	A
Endosulfan sulfate	ND		ug/kg	0.759	0.361	1	A
Methoxychlor	ND		ug/kg	3.42	1.06	1	A
Toxaphene	ND		ug/kg	34.2	9.57	1	A
cis-Chlordane	ND		ug/kg	2.28	0.635	1	A
trans-Chlordane	ND		ug/kg	2.28	0.601	1	A
Chlordane	ND		ug/kg	14.8	6.04	1	A

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-06

Date Collected: 05/23/18 12:00

Client ID: SB-3 (1-5)

Date Received: 05/24/18

Sample Location: BRONX, NY

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	73		30-150	B
Decachlorobiphenyl	67		30-150	B
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	73		30-150	A

Project Name: 2135 WESTCHESTER
Project Number: 2135 WESTCHESTER

Lab Number: L1819157
Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-06
Client ID: SB-3 (1-5)
Sample Location: BRONX, NY

Date Collected: 05/23/18 12:00
Date Received: 05/24/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 05/31/18 04:09
Analyst: KEG
Percent Solids: 84%
Methylation Date: 05/29/18 21:51

Extraction Method: EPA 8151A
Extraction Date: 05/28/18 01:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
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Chlorinated Herbicides by GC - Westborough Lab

2,4-D	ND		ug/kg	193	12.2	1	A
2,4,5-T	ND		ug/kg	193	6.00	1	A
2,4,5-TP (Silvex)	ND		ug/kg	193	5.14	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	113		30-150	A
DCAA	103		30-150	B

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-07

Date Collected: 05/23/18 14:05

Client ID: SB-1 (1-5)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8081B

Extraction Date: 05/27/18 00:13

Analytical Date: 05/30/18 20:53

Cleanup Method: EPA 3620B

Analyst: KEG

Cleanup Date: 05/28/18

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.82	0.357	1	A
Lindane	ND		ug/kg	0.760	0.340	1	A
Alpha-BHC	ND		ug/kg	0.760	0.216	1	A
Beta-BHC	ND		ug/kg	1.82	0.692	1	A
Heptachlor	ND		ug/kg	0.912	0.409	1	A
Aldrin	ND		ug/kg	1.82	0.642	1	A
Heptachlor epoxide	ND		ug/kg	3.42	1.02	1	A
Endrin	ND		ug/kg	0.760	0.312	1	A
Endrin aldehyde	ND		ug/kg	2.28	0.798	1	A
Endrin ketone	ND		ug/kg	1.82	0.470	1	A
Dieldrin	ND		ug/kg	1.14	0.570	1	B
4,4'-DDE	0.594	J	ug/kg	1.82	0.422	1	B
4,4'-DDD	ND		ug/kg	1.82	0.650	1	A
4,4'-DDT	1.64	J	ug/kg	3.42	1.47	1	A
Endosulfan I	ND		ug/kg	1.82	0.431	1	A
Endosulfan II	ND		ug/kg	1.82	0.609	1	A
Endosulfan sulfate	ND		ug/kg	0.760	0.362	1	A
Methoxychlor	ND		ug/kg	3.42	1.06	1	A
Toxaphene	ND		ug/kg	34.2	9.58	1	A
cis-Chlordane	ND		ug/kg	2.28	0.635	1	A
trans-Chlordane	ND		ug/kg	2.28	0.602	1	A
Chlordane	ND		ug/kg	14.8	6.04	1	A

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-07

Date Collected: 05/23/18 14:05

Client ID: SB-1 (1-5)

Date Received: 05/24/18

Sample Location: BRONX, NY

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	54		30-150	B
Decachlorobiphenyl	46		30-150	B
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	59		30-150	A

Project Name: 2135 WESTCHESTER
Project Number: 2135 WESTCHESTER

Lab Number: L1819157
Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-07
Client ID: SB-1 (1-5)
Sample Location: BRONX, NY

Date Collected: 05/23/18 14:05
Date Received: 05/24/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 05/31/18 04:28
Analyst: KEG
Percent Solids: 87%
Methylation Date: 05/29/18 21:51

Extraction Method: EPA 8151A
Extraction Date: 05/28/18 01:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
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Chlorinated Herbicides by GC - Westborough Lab

2,4-D	ND		ug/kg	190	12.0	1	A
2,4,5-T	ND		ug/kg	190	5.89	1	A
2,4,5-TP (Silvex)	ND		ug/kg	190	5.06	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	114		30-150	A
DCAA	88		30-150	B

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-08

Date Collected: 05/23/18 14:50

Client ID: SB-1 (20-21)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8081B

Extraction Date: 05/27/18 00:13

Analytical Date: 05/30/18 21:06

Cleanup Method: EPA 3620B

Analyst: KEG

Cleanup Date: 05/28/18

Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.88	0.368	1	A
Lindane	ND		ug/kg	0.782	0.350	1	A
Alpha-BHC	ND		ug/kg	0.782	0.222	1	A
Beta-BHC	ND		ug/kg	1.88	0.712	1	A
Heptachlor	ND		ug/kg	0.939	0.421	1	A
Aldrin	ND		ug/kg	1.88	0.661	1	A
Heptachlor epoxide	ND		ug/kg	3.52	1.06	1	A
Endrin	ND		ug/kg	0.782	0.321	1	A
Endrin aldehyde	ND		ug/kg	2.35	0.821	1	A
Endrin ketone	ND		ug/kg	1.88	0.483	1	A
Dieldrin	ND		ug/kg	1.17	0.587	1	A
4,4'-DDE	ND		ug/kg	1.88	0.434	1	A
4,4'-DDD	ND		ug/kg	1.88	0.670	1	A
4,4'-DDT	ND		ug/kg	3.52	1.51	1	A
Endosulfan I	ND		ug/kg	1.88	0.444	1	A
Endosulfan II	ND		ug/kg	1.88	0.627	1	A
Endosulfan sulfate	ND		ug/kg	0.782	0.372	1	A
Methoxychlor	ND		ug/kg	3.52	1.10	1	A
Toxaphene	ND		ug/kg	35.2	9.86	1	A
cis-Chlordane	ND		ug/kg	2.35	0.654	1	A
trans-Chlordane	ND		ug/kg	2.35	0.619	1	A
Chlordane	ND		ug/kg	15.2	6.22	1	A

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-08

Date Collected: 05/23/18 14:50

Client ID: SB-1 (20-21)

Date Received: 05/24/18

Sample Location: BRONX, NY

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	61		30-150	B
Decachlorobiphenyl	58		30-150	B
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	60		30-150	A

Project Name: 2135 WESTCHESTER
Project Number: 2135 WESTCHESTER

Lab Number: L1819157
Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-08
Client ID: SB-1 (20-21)
Sample Location: BRONX, NY

Date Collected: 05/23/18 14:50
Date Received: 05/24/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 05/31/18 04:48
Analyst: KEG
Percent Solids: 82%
Methylation Date: 05/29/18 21:51

Extraction Method: EPA 8151A
Extraction Date: 05/28/18 01:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
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Chlorinated Herbicides by GC - Westborough Lab

2,4-D	ND		ug/kg	202	12.7	1	A
2,4,5-T	ND		ug/kg	202	6.27	1	A
2,4,5-TP (Silvex)	ND		ug/kg	202	5.38	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	120		30-150	A
DCAA	95		30-150	B

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-09
 Client ID: SB-1 (20-21) DUP
 Sample Location: BRONX, NY

Date Collected: 05/23/18 14:55
 Date Received: 05/24/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 05/30/18 21:19
 Analyst: KEG
 Percent Solids: 81%

Extraction Method: EPA 3546
 Extraction Date: 05/27/18 00:13
 Cleanup Method: EPA 3620B
 Cleanup Date: 05/28/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.97	0.386	1	A
Lindane	ND		ug/kg	0.822	0.367	1	A
Alpha-BHC	ND		ug/kg	0.822	0.233	1	A
Beta-BHC	ND		ug/kg	1.97	0.748	1	A
Heptachlor	ND		ug/kg	0.986	0.442	1	A
Aldrin	ND		ug/kg	1.97	0.694	1	A
Heptachlor epoxide	ND		ug/kg	3.70	1.11	1	A
Endrin	ND		ug/kg	0.822	0.337	1	A
Endrin aldehyde	ND		ug/kg	2.46	0.863	1	A
Endrin ketone	ND		ug/kg	1.97	0.508	1	A
Dieldrin	ND		ug/kg	1.23	0.616	1	A
4,4'-DDE	ND		ug/kg	1.97	0.456	1	A
4,4'-DDD	ND		ug/kg	1.97	0.703	1	A
4,4'-DDT	ND		ug/kg	3.70	1.59	1	A
Endosulfan I	ND		ug/kg	1.97	0.466	1	A
Endosulfan II	ND		ug/kg	1.97	0.659	1	A
Endosulfan sulfate	ND		ug/kg	0.822	0.391	1	A
Methoxychlor	ND		ug/kg	3.70	1.15	1	A
Toxaphene	ND		ug/kg	37.0	10.4	1	A
cis-Chlordane	ND		ug/kg	2.46	0.687	1	A
trans-Chlordane	ND		ug/kg	2.46	0.651	1	A
Chlordane	ND		ug/kg	16.0	6.53	1	A

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-09

Date Collected: 05/23/18 14:55

Client ID: SB-1 (20-21) DUP

Date Received: 05/24/18

Sample Location: BRONX, NY

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	56		30-150	B
Decachlorobiphenyl	58		30-150	B
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	66		30-150	A

Project Name: 2135 WESTCHESTER
Project Number: 2135 WESTCHESTER

Lab Number: L1819157
Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-09
Client ID: SB-1 (20-21) DUP
Sample Location: BRONX, NY

Date Collected: 05/23/18 14:55
Date Received: 05/24/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 05/31/18 05:07
Analyst: KEG
Percent Solids: 81%
Methylation Date: 05/29/18 21:51

Extraction Method: EPA 8151A
Extraction Date: 05/28/18 01:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
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Chlorinated Herbicides by GC - Westborough Lab

2,4-D	ND		ug/kg	204	12.9	1	A
2,4,5-T	ND		ug/kg	204	6.33	1	A
2,4,5-TP (Silvex)	ND		ug/kg	204	5.43	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	112		30-150	A
DCAA	99		30-150	B

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-10

Date Collected: 05/23/18 15:25

Client ID: SB-4 (0-5)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8081B

Extraction Date: 05/27/18 00:13

Analytical Date: 05/30/18 21:31

Cleanup Method: EPA 3620B

Analyst: KEG

Cleanup Date: 05/28/18

Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.80	0.353	1	A
Lindane	ND		ug/kg	0.751	0.336	1	A
Alpha-BHC	ND		ug/kg	0.751	0.213	1	A
Beta-BHC	ND		ug/kg	1.80	0.683	1	A
Heptachlor	ND		ug/kg	0.901	0.404	1	A
Aldrin	ND		ug/kg	1.80	0.634	1	A
Heptachlor epoxide	ND		ug/kg	3.38	1.01	1	A
Endrin	ND		ug/kg	0.751	0.308	1	A
Endrin aldehyde	ND		ug/kg	2.25	0.788	1	A
Endrin ketone	ND		ug/kg	1.80	0.464	1	A
Dieldrin	ND		ug/kg	1.12	0.563	1	A
4,4'-DDE	ND		ug/kg	1.80	0.417	1	A
4,4'-DDD	ND		ug/kg	1.80	0.642	1	A
4,4'-DDT	ND		ug/kg	3.38	1.45	1	A
Endosulfan I	ND		ug/kg	1.80	0.426	1	A
Endosulfan II	ND		ug/kg	1.80	0.602	1	A
Endosulfan sulfate	ND		ug/kg	0.751	0.357	1	A
Methoxychlor	ND		ug/kg	3.38	1.05	1	A
Toxaphene	ND		ug/kg	33.8	9.46	1	A
cis-Chlordane	ND		ug/kg	2.25	0.628	1	A
trans-Chlordane	ND		ug/kg	2.25	0.594	1	A
Chlordane	ND		ug/kg	14.6	5.97	1	A

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-10

Date Collected: 05/23/18 15:25

Client ID: SB-4 (0-5)

Date Received: 05/24/18

Sample Location: BRONX, NY

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	60		30-150	B
Decachlorobiphenyl	59		30-150	B
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	65		30-150	A

Project Name: 2135 WESTCHESTER
Project Number: 2135 WESTCHESTER

Lab Number: L1819157
Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-10
Client ID: SB-4 (0-5)
Sample Location: BRONX, NY

Date Collected: 05/23/18 15:25
Date Received: 05/24/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 05/31/18 05:27
Analyst: KEG
Percent Solids: 88%
Methylation Date: 05/29/18 21:51

Extraction Method: EPA 8151A
Extraction Date: 05/28/18 01:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
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Chlorinated Herbicides by GC - Westborough Lab

2,4-D	ND		ug/kg	183	11.5	1	A
2,4,5-T	ND		ug/kg	183	5.68	1	A
2,4,5-TP (Silvex)	ND		ug/kg	183	4.87	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	125		30-150	A
DCAA	115		30-150	B

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-11

Date Collected: 05/23/18 15:50

Client ID: SB-4 (18-20)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8081B

Extraction Date: 05/27/18 00:20

Analytical Date: 05/30/18 21:44

Cleanup Method: EPA 3620B

Analyst: KEG

Cleanup Date: 05/27/18

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.72	0.338	1	A
Lindane	ND		ug/kg	0.719	0.321	1	A
Alpha-BHC	ND		ug/kg	0.719	0.204	1	A
Beta-BHC	ND		ug/kg	1.72	0.654	1	A
Heptachlor	ND		ug/kg	0.863	0.387	1	A
Aldrin	ND		ug/kg	1.72	0.608	1	A
Heptachlor epoxide	ND		ug/kg	3.24	0.971	1	A
Endrin	ND		ug/kg	0.719	0.295	1	A
Endrin aldehyde	ND		ug/kg	2.16	0.755	1	A
Endrin ketone	ND		ug/kg	1.72	0.444	1	A
Dieldrin	ND		ug/kg	1.08	0.539	1	A
4,4'-DDE	ND		ug/kg	1.72	0.399	1	A
4,4'-DDD	ND		ug/kg	1.72	0.616	1	A
4,4'-DDT	ND		ug/kg	3.24	1.39	1	A
Endosulfan I	ND		ug/kg	1.72	0.408	1	A
Endosulfan II	ND		ug/kg	1.72	0.577	1	A
Endosulfan sulfate	ND		ug/kg	0.719	0.342	1	A
Methoxychlor	ND		ug/kg	3.24	1.01	1	A
Toxaphene	ND		ug/kg	32.4	9.06	1	A
cis-Chlordane	ND		ug/kg	2.16	0.601	1	A
trans-Chlordane	ND		ug/kg	2.16	0.570	1	A
Chlordane	ND		ug/kg	14.0	5.72	1	A

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-11

Date Collected: 05/23/18 15:50

Client ID: SB-4 (18-20)

Date Received: 05/24/18

Sample Location: BRONX, NY

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	73		30-150	B
Decachlorobiphenyl	76		30-150	B
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	73		30-150	A

Project Name: 2135 WESTCHESTER
Project Number: 2135 WESTCHESTER

Lab Number: L1819157
Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-11
Client ID: SB-4 (18-20)
Sample Location: BRONX, NY

Date Collected: 05/23/18 15:50
Date Received: 05/24/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 05/31/18 05:47
Analyst: KEG
Percent Solids: 90%
Methylation Date: 05/29/18 21:51

Extraction Method: EPA 8151A
Extraction Date: 05/28/18 01:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
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Chlorinated Herbicides by GC - Westborough Lab

2,4-D	ND		ug/kg	182	11.4	1	A
2,4,5-T	ND		ug/kg	182	5.63	1	A
2,4,5-TP (Silvex)	ND		ug/kg	182	4.83	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	109		30-150	A
DCAA	106		30-150	B

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-12

Date Collected: 05/23/18 13:36

Client ID: S1-S (0-0.5)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8081B

Extraction Date: 05/27/18 00:20

Analytical Date: 05/30/18 22:22

Cleanup Method: EPA 3620B

Analyst: KEG

Cleanup Date: 05/28/18

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.78	0.349	1	A
Lindane	ND		ug/kg	0.742	0.332	1	A
Alpha-BHC	ND		ug/kg	0.742	0.211	1	A
Beta-BHC	ND		ug/kg	1.78	0.675	1	A
Heptachlor	ND		ug/kg	0.890	0.399	1	A
Aldrin	ND		ug/kg	1.78	0.627	1	A
Heptachlor epoxide	ND		ug/kg	3.34	1.00	1	A
Endrin	ND		ug/kg	0.742	0.304	1	A
Endrin aldehyde	ND		ug/kg	2.22	0.779	1	A
Endrin ketone	ND		ug/kg	1.78	0.458	1	A
Dieldrin	ND		ug/kg	1.11	0.556	1	A
4,4'-DDE	1.72	J	ug/kg	1.78	0.412	1	B
4,4'-DDD	ND		ug/kg	1.78	0.635	1	A
4,4'-DDT	1.51	J	ug/kg	3.34	1.43	1	A
Endosulfan I	ND		ug/kg	1.78	0.421	1	A
Endosulfan II	ND		ug/kg	1.78	0.595	1	A
Endosulfan sulfate	ND		ug/kg	0.742	0.353	1	A
Methoxychlor	ND		ug/kg	3.34	1.04	1	A
Toxaphene	ND		ug/kg	33.4	9.35	1	A
cis-Chlordane	ND		ug/kg	2.22	0.620	1	A
trans-Chlordane	ND		ug/kg	2.22	0.588	1	A
Chlordane	ND		ug/kg	14.5	5.90	1	A

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-12

Date Collected: 05/23/18 13:36

Client ID: S1-S (0-0.5)

Date Received: 05/24/18

Sample Location: BRONX, NY

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	51		30-150	B
Decachlorobiphenyl	56		30-150	B
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	62		30-150	A

Project Name: 2135 WESTCHESTER
Project Number: 2135 WESTCHESTER

Lab Number: L1819157
Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-12
Client ID: S1-S (0-0.5)
Sample Location: BRONX, NY

Date Collected: 05/23/18 13:36
Date Received: 05/24/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 05/31/18 07:05
Analyst: KEG
Percent Solids: 87%
Methylation Date: 05/29/18 21:51

Extraction Method: EPA 8151A
Extraction Date: 05/28/18 01:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
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Chlorinated Herbicides by GC - Westborough Lab

2,4-D	ND		ug/kg	189	11.9	1	A
2,4,5-T	ND		ug/kg	189	5.86	1	A
2,4,5-TP (Silvex)	ND		ug/kg	189	5.02	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	105		30-150	A
DCAA	102		30-150	B

Project Name: 2135 WESTCHESTER
Project Number: 2135 WESTCHESTER

Lab Number: L1819157
Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-13
Client ID: S1-E (0-0.5)
Sample Location: BRONX, NY

Date Collected: 05/23/18 13:44
Date Received: 05/24/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 05/31/18 07:25
Analyst: KEG
Percent Solids: 87%
Methylation Date: 05/29/18 21:51

Extraction Method: EPA 8151A
Extraction Date: 05/28/18 01:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
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Chlorinated Herbicides by GC - Westborough Lab

2,4-D	ND		ug/kg	186	11.7	1	A
2,4,5-T	ND		ug/kg	186	5.75	1	A
2,4,5-TP (Silvex)	ND		ug/kg	186	4.94	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	103		30-150	A
DCAA	102		30-150	B

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-13 D

Date Collected: 05/23/18 13:44

Client ID: S1-E (0-0.5)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8081B

Extraction Date: 05/27/18 00:20

Analytical Date: 06/01/18 15:10

Cleanup Method: EPA 3620B

Analyst: KEG

Cleanup Date: 05/28/18

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	18.0	3.52	10	A
Lindane	ND		ug/kg	7.50	3.35	10	A
Alpha-BHC	ND		ug/kg	7.50	2.13	10	A
Beta-BHC	ND		ug/kg	18.0	6.82	10	A
Heptachlor	ND		ug/kg	9.00	4.03	10	A
Aldrin	ND		ug/kg	18.0	6.34	10	A
Heptachlor epoxide	ND		ug/kg	33.7	10.1	10	A
Endrin	ND		ug/kg	7.50	3.07	10	A
Endrin aldehyde	ND		ug/kg	22.5	7.87	10	A
Endrin ketone	ND		ug/kg	18.0	4.63	10	A
Dieldrin	ND		ug/kg	11.2	5.62	10	A
4,4'-DDE	ND		ug/kg	18.0	4.16	10	A
4,4'-DDD	ND		ug/kg	18.0	6.42	10	A
4,4'-DDT	ND		ug/kg	33.7	14.5	10	A
Endosulfan I	ND		ug/kg	18.0	4.25	10	A
Endosulfan II	ND		ug/kg	18.0	6.01	10	A
Endosulfan sulfate	ND		ug/kg	7.50	3.57	10	A
Methoxychlor	ND		ug/kg	33.7	10.5	10	A
Toxaphene	ND		ug/kg	337	94.5	10	A
cis-Chlordane	ND		ug/kg	22.5	6.27	10	A
trans-Chlordane	ND		ug/kg	22.5	5.94	10	A
Chlordane	ND		ug/kg	146	59.6	10	A

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-13 D

Date Collected: 05/23/18 13:44

Client ID: S1-E (0-0.5)

Date Received: 05/24/18

Sample Location: BRONX, NY

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	75		30-150	B
Decachlorobiphenyl	110		30-150	B
2,4,5,6-Tetrachloro-m-xylene	104		30-150	A
Decachlorobiphenyl	143		30-150	A

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-14

Date Collected: 05/23/18 13:57

Client ID: S1-C (0.5-1)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8081B

Extraction Date: 05/27/18 00:20

Analytical Date: 05/30/18 22:47

Cleanup Method: EPA 3620B

Analyst: KEG

Cleanup Date: 05/28/18

Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.68	0.330	1	A
Lindane	ND		ug/kg	0.702	0.314	1	A
Alpha-BHC	ND		ug/kg	0.702	0.199	1	A
Beta-BHC	ND		ug/kg	1.68	0.639	1	A
Heptachlor	ND		ug/kg	0.843	0.378	1	A
Aldrin	ND		ug/kg	1.68	0.593	1	A
Heptachlor epoxide	ND		ug/kg	3.16	0.948	1	A
Endrin	ND		ug/kg	0.702	0.288	1	A
Endrin aldehyde	ND		ug/kg	2.11	0.737	1	A
Endrin ketone	ND		ug/kg	1.68	0.434	1	A
Dieldrin	ND		ug/kg	1.05	0.527	1	A
4,4'-DDE	ND		ug/kg	1.68	0.390	1	B
4,4'-DDD	ND		ug/kg	1.68	0.601	1	A
4,4'-DDT	ND		ug/kg	3.16	1.36	1	A
Endosulfan I	ND		ug/kg	1.68	0.398	1	A
Endosulfan II	ND		ug/kg	1.68	0.563	1	A
Endosulfan sulfate	ND		ug/kg	0.702	0.334	1	A
Methoxychlor	ND		ug/kg	3.16	0.983	1	A
Toxaphene	ND		ug/kg	31.6	8.85	1	A
cis-Chlordane	ND		ug/kg	2.11	0.587	1	A
trans-Chlordane	ND		ug/kg	2.11	0.556	1	A
Chlordane	ND		ug/kg	13.7	5.58	1	A

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-14

Date Collected: 05/23/18 13:57

Client ID: S1-C (0.5-1)

Date Received: 05/24/18

Sample Location: BRONX, NY

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	54		30-150	B
Decachlorobiphenyl	56		30-150	B
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	64		30-150	A

Project Name: 2135 WESTCHESTER
Project Number: 2135 WESTCHESTER

Lab Number: L1819157
Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-14
Client ID: S1-C (0.5-1)
Sample Location: BRONX, NY

Date Collected: 05/23/18 13:57
Date Received: 05/24/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 05/31/18 07:45
Analyst: KEG
Percent Solids: 93%
Methylation Date: 05/29/18 21:51

Extraction Method: EPA 8151A
Extraction Date: 05/28/18 01:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
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Chlorinated Herbicides by GC - Westborough Lab

2,4-D	ND		ug/kg	177	11.1	1	A
2,4,5-T	ND		ug/kg	177	5.48	1	A
2,4,5-TP (Silvex)	ND		ug/kg	177	4.70	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	117		30-150	A
DCAA	104		30-150	B

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-15

Date Collected: 05/23/18 14:07

Client ID: S1-N (0.5-1.5)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8081B

Extraction Date: 05/27/18 00:20

Analytical Date: 05/30/18 23:00

Cleanup Method: EPA 3620B

Analyst: KEG

Cleanup Date: 05/28/18

Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.67	0.328	1	A
Lindane	ND		ug/kg	0.697	0.312	1	A
Alpha-BHC	ND		ug/kg	0.697	0.198	1	A
Beta-BHC	ND		ug/kg	1.67	0.634	1	A
Heptachlor	ND		ug/kg	0.836	0.375	1	A
Aldrin	ND		ug/kg	1.67	0.589	1	A
Heptachlor epoxide	ND		ug/kg	3.14	0.941	1	A
Endrin	ND		ug/kg	0.697	0.286	1	A
Endrin aldehyde	ND		ug/kg	2.09	0.732	1	A
Endrin ketone	ND		ug/kg	1.67	0.431	1	A
Dieldrin	ND		ug/kg	1.04	0.523	1	A
4,4'-DDE	0.493	J	ug/kg	1.67	0.387	1	B
4,4'-DDD	ND		ug/kg	1.67	0.597	1	A
4,4'-DDT	ND		ug/kg	3.14	1.34	1	B
Endosulfan I	ND		ug/kg	1.67	0.395	1	A
Endosulfan II	ND		ug/kg	1.67	0.559	1	A
Endosulfan sulfate	ND		ug/kg	0.697	0.332	1	A
Methoxychlor	ND		ug/kg	3.14	0.976	1	A
Toxaphene	ND		ug/kg	31.4	8.78	1	A
cis-Chlordane	ND		ug/kg	2.09	0.583	1	A
trans-Chlordane	ND		ug/kg	2.09	0.552	1	A
Chlordane	ND		ug/kg	13.6	5.54	1	A

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-15

Date Collected: 05/23/18 14:07

Client ID: S1-N (0.5-1.5)

Date Received: 05/24/18

Sample Location: BRONX, NY

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	54		30-150	B
Decachlorobiphenyl	53		30-150	B
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	64		30-150	A

Project Name: 2135 WESTCHESTER
Project Number: 2135 WESTCHESTER

Lab Number: L1819157
Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-15
Client ID: S1-N (0.5-1.5)
Sample Location: BRONX, NY

Date Collected: 05/23/18 14:07
Date Received: 05/24/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 05/31/18 08:04
Analyst: KEG
Percent Solids: 92%
Methylation Date: 05/29/18 21:51

Extraction Method: EPA 8151A
Extraction Date: 05/28/18 01:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
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Chlorinated Herbicides by GC - Westborough Lab

2,4-D	ND		ug/kg	179	11.3	1	A
2,4,5-T	ND		ug/kg	179	5.55	1	A
2,4,5-TP (Silvex)	ND		ug/kg	179	4.76	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	97		30-150	A
DCAA	98		30-150	B

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-16

Date Collected: 05/23/18 16:00

Client ID: FIELD BLANK

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 1,8081B

Extraction Date: 05/29/18 07:57

Analytical Date: 06/01/18 14:06

Analyst: KEG

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	0.018	J	ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-16

Date Collected: 05/23/18 16:00

Client ID: FIELD BLANK

Date Received: 05/24/18

Sample Location: BRONX, NY

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	106		30-150	A
Decachlorobiphenyl	124		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: 2135 WESTCHESTER
Project Number: 2135 WESTCHESTER

Lab Number: L1819157
Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-16
Client ID: FIELD BLANK
Sample Location: BRONX, NY

Date Collected: 05/23/18 16:00
Date Received: 05/24/18
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 05/30/18 21:55
Analyst: KEG

Extraction Method: EPA 8151A
Extraction Date: 05/25/18 07:28

Methylation Date: 05/25/18 22:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
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Chlorinated Herbicides by GC - Westborough Lab

2,4-D	ND		ug/l	12.3	0.615	1	A
2,4,5-T	ND		ug/l	2.47	0.656	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.47	0.665	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	95		30-150	A
DCAA	82		30-150	B

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-18

Date Collected: 05/23/18 13:22

Client ID: S1-W (0-1)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8081B

Extraction Date: 05/27/18 00:20

Analytical Date: 06/01/18 15:21

Cleanup Method: EPA 3620B

Analyst: KEG

Cleanup Date: 05/28/18

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	0.755	J	ug/kg	1.78	0.349	1	B
Lindane	ND		ug/kg	0.742	0.332	1	A
Alpha-BHC	ND		ug/kg	0.742	0.211	1	A
Beta-BHC	ND		ug/kg	1.78	0.675	1	A
Heptachlor	ND		ug/kg	0.890	0.399	1	A
Aldrin	ND		ug/kg	1.78	0.627	1	A
Heptachlor epoxide	ND		ug/kg	3.34	1.00	1	A
Endrin	ND		ug/kg	0.742	0.304	1	A
Endrin aldehyde	ND		ug/kg	2.23	0.779	1	A
Endrin ketone	ND		ug/kg	1.78	0.459	1	A
Dieldrin	ND		ug/kg	1.11	0.556	1	A
4,4'-DDE	1.60	J	ug/kg	1.78	0.412	1	A
4,4'-DDD	ND		ug/kg	1.78	0.635	1	A
4,4'-DDT	1.74	J	ug/kg	3.34	1.43	1	B
Endosulfan I	ND		ug/kg	1.78	0.421	1	A
Endosulfan II	ND		ug/kg	1.78	0.595	1	A
Endosulfan sulfate	ND		ug/kg	0.742	0.353	1	A
Methoxychlor	ND		ug/kg	3.34	1.04	1	A
Toxaphene	ND		ug/kg	33.4	9.35	1	A
cis-Chlordane	ND		ug/kg	2.23	0.620	1	A
trans-Chlordane	ND		ug/kg	2.23	0.588	1	A
Chlordane	ND		ug/kg	14.5	5.90	1	A

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-18

Date Collected: 05/23/18 13:22

Client ID: S1-W (0-1)

Date Received: 05/24/18

Sample Location: BRONX, NY

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	66		30-150	B
Decachlorobiphenyl	65		30-150	B
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	66		30-150	A

Project Name: 2135 WESTCHESTER
Project Number: 2135 WESTCHESTER

Lab Number: L1819157
Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-18
Client ID: S1-W (0-1)
Sample Location: BRONX, NY

Date Collected: 05/23/18 13:22
Date Received: 05/24/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 05/31/18 08:24
Analyst: KEG
Percent Solids: 86%
Methylation Date: 05/29/18 21:51

Extraction Method: EPA 8151A
Extraction Date: 05/28/18 01:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
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Chlorinated Herbicides by GC - Westborough Lab

2,4-D	ND		ug/kg	190	12.0	1	A
2,4,5-T	ND		ug/kg	190	5.90	1	A
2,4,5-TP (Silvex)	ND		ug/kg	190	5.06	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	103		30-150	A
DCAA	103		30-150	B

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8151A
 Analytical Date: 05/30/18 05:17
 Analyst: KEG

Extraction Method: EPA 8151A
 Extraction Date: 05/25/18 00:57

Methylation Date: 05/25/18 22:58

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 16 Batch: WG1119382-1						
2,4-D	ND		ug/l	10.0	0.498	A
2,4,5-T	ND		ug/l	2.00	0.531	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	115		30-150	A
DCAA	87		30-150	B

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 05/30/18 18:59
 Analyst: KEG

Extraction Method: EPA 3546
 Extraction Date: 05/27/18 00:13
 Cleanup Method: EPA 3620B
 Cleanup Date: 05/27/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-15,18 Batch: WG1119958-1						
Delta-BHC	ND		ug/kg	1.52	0.297	A
Lindane	ND		ug/kg	0.633	0.283	A
Alpha-BHC	ND		ug/kg	0.633	0.180	A
Beta-BHC	ND		ug/kg	1.52	0.576	A
Heptachlor	ND		ug/kg	0.759	0.340	A
Aldrin	ND		ug/kg	1.52	0.535	A
Heptachlor epoxide	ND		ug/kg	2.85	0.854	A
Endrin	ND		ug/kg	0.633	0.259	A
Endrin aldehyde	ND		ug/kg	1.90	0.664	A
Endrin ketone	ND		ug/kg	1.52	0.391	A
Dieldrin	ND		ug/kg	0.949	0.475	A
4,4'-DDE	ND		ug/kg	1.52	0.351	A
4,4'-DDD	ND		ug/kg	1.52	0.542	A
4,4'-DDT	ND		ug/kg	2.85	1.22	A
Endosulfan I	ND		ug/kg	1.52	0.359	A
Endosulfan II	ND		ug/kg	1.52	0.508	A
Endosulfan sulfate	ND		ug/kg	0.633	0.301	A
Methoxychlor	ND		ug/kg	2.85	0.886	A
Toxaphene	ND		ug/kg	28.5	7.97	A
cis-Chlordane	ND		ug/kg	1.90	0.529	A
trans-Chlordane	ND		ug/kg	1.90	0.501	A
Chlordane	ND		ug/kg	12.3	5.03	A

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 05/30/18 18:59
 Analyst: KEG

Extraction Method: EPA 3546
 Extraction Date: 05/27/18 00:13
 Cleanup Method: EPA 3620B
 Cleanup Date: 05/27/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-15,18 Batch: WG1119958-1						

Surrogate	%Recovery	Qualifier	Acceptance	
			Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	90		30-150	B
2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	91		30-150	A

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8151A
 Analytical Date: 05/30/18 19:33
 Analyst: KEG

Extraction Method: EPA 8151A
 Extraction Date: 05/28/18 01:31

Methylation Date: 05/29/18 21:51

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-15,18 Batch: WG1120035-1						
2,4-D	ND		ug/kg	162	10.2	A
2,4,5-T	ND		ug/kg	162	5.02	A
2,4,5-TP (Silvex)	ND		ug/kg	162	4.31	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	0	Q	30-150	A
DCAA	0	Q	30-150	B

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 06/01/18 13:14
 Analyst: KEG

Extraction Method: EPA 3510C
 Extraction Date: 05/29/18 07:57

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 16 Batch: WG1120151-1						
Delta-BHC	ND		ug/l	0.014	0.003	A
Lindane	ND		ug/l	0.014	0.003	A
Alpha-BHC	ND		ug/l	0.014	0.003	A
Beta-BHC	ND		ug/l	0.014	0.004	A
Heptachlor	ND		ug/l	0.014	0.002	A
Aldrin	ND		ug/l	0.014	0.002	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	A
Endrin	ND		ug/l	0.029	0.003	A
Endrin aldehyde	ND		ug/l	0.029	0.006	A
Endrin ketone	ND		ug/l	0.029	0.003	A
Dieldrin	ND		ug/l	0.029	0.003	A
4,4'-DDE	ND		ug/l	0.029	0.003	A
4,4'-DDD	ND		ug/l	0.029	0.003	A
4,4'-DDT	0.016	J	ug/l	0.029	0.003	A
Endosulfan I	ND		ug/l	0.014	0.002	A
Endosulfan II	ND		ug/l	0.029	0.004	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	A
Methoxychlor	ND		ug/l	0.143	0.005	A
Toxaphene	ND		ug/l	0.143	0.045	A
cis-Chlordane	ND		ug/l	0.014	0.005	A
trans-Chlordane	ND		ug/l	0.014	0.004	A
Chlordane	ND		ug/l	0.143	0.033	A

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 06/01/18 13:14
 Analyst: KEG

Extraction Method: EPA 3510C
 Extraction Date: 05/29/18 07:57

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 16 Batch: WG1120151-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		30-150	A
Decachlorobiphenyl	129		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	93		30-150	B

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 16 Batch: WG1119382-2 WG1119382-3									
2,4-D	127		123		30-150	3		25	A
2,4,5-T	102		100		30-150	2		25	A
2,4,5-TP (Silvex)	123		120		30-150	2		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	112		109		30-150	A
DCAA	101		94		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-15,18 Batch: WG1119958-2 WG1119958-3									
Delta-BHC	107		120		30-150	11		30	A
Lindane	108		115		30-150	6		30	A
Alpha-BHC	106		114		30-150	7		30	A
Beta-BHC	100		108		30-150	8		30	A
Heptachlor	112		122		30-150	9		30	A
Aldrin	105		113		30-150	7		30	A
Heptachlor epoxide	106		114		30-150	7		30	A
Endrin	127		137		30-150	8		30	A
Endrin aldehyde	77		84		30-150	9		30	A
Endrin ketone	104		112		30-150	7		30	A
Dieldrin	111		124		30-150	11		30	A
4,4'-DDE	100		107		30-150	7		30	A
4,4'-DDD	98		114		30-150	15		30	A
4,4'-DDT	122		131		30-150	7		30	A
Endosulfan I	98		105		30-150	7		30	A
Endosulfan II	98		113		30-150	14		30	A
Endosulfan sulfate	73		81		30-150	10		30	A
Methoxychlor	133		144		30-150	8		30	A
cis-Chlordane	89		96		30-150	8		30	A
trans-Chlordane	80		84		30-150	5		30	A

Lab Control Sample Analysis Batch Quality Control

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

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): 01-15,18 Batch: WG1119958-2 WG1119958-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		80		30-150	B
Decachlorobiphenyl	93		63		30-150	B
2,4,5,6-Tetrachloro-m-xylene	86		90		30-150	A
Decachlorobiphenyl	87		83		30-150	A

Lab Control Sample Analysis Batch Quality Control

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-15,18 Batch: WG1120035-2 WG1120035-3									
2,4-D	185	Q	106		30-150	54	Q	30	A
2,4,5-T	113		76		30-150	39	Q	30	A
2,4,5-TP (Silvex)	143		86		30-150	50	Q	30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	124		77		30-150	A
DCAA	117		86		30-150	B

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 16 Batch: WG1120151-2 WG1120151-3									
Delta-BHC	115		100		30-150	14		20	A
Lindane	105		90		30-150	15		20	A
Alpha-BHC	104		87		30-150	17		20	A
Beta-BHC	113		99		30-150	13		20	A
Heptachlor	108		86		30-150	22	Q	20	A
Aldrin	108		90		30-150	19		20	A
Heptachlor epoxide	134		114		30-150	16		20	A
Endrin	123		105		30-150	16		20	A
Endrin aldehyde	124		109		30-150	13		20	A
Endrin ketone	129		116		30-150	11		20	A
Dieldrin	128		116		30-150	10		20	A
4,4'-DDE	114		99		30-150	14		20	A
4,4'-DDD	123		106		30-150	15		20	A
4,4'-DDT	123		108		30-150	13		20	A
Endosulfan I	117		104		30-150	12		20	A
Endosulfan II	121		99		30-150	20		20	A
Endosulfan sulfate	115		90		30-150	24	Q	20	A
Methoxychlor	119		108		30-150	10		20	A
cis-Chlordane	108		92		30-150	16		20	A
trans-Chlordane	105		92		30-150	13		20	A

Lab Control Sample Analysis Batch Quality Control

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

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): 16 Batch: WG1120151-2 WG1120151-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	109		90		30-150	A
Decachlorobiphenyl	80		117		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		61		30-150	B
Decachlorobiphenyl	57		85		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: 2135 WESTCHESTER

Project Number: 2135 WESTCHESTER

Lab Number: L1819157

Report Date: 06/01/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-15,18 QC Batch ID: WG1119958-4 WG1119958-5 QC Sample: L1819157-11 Client ID: SB-4 (18-20)													
Delta-BHC	ND	34.9	33.7	97		34.5	95		30-150	2		50	A
Lindane	ND	34.9	33.8	97		34.4	95		30-150	2		50	A
Alpha-BHC	ND	34.9	33.3	95		33.5	93		30-150	1		50	A
Beta-BHC	ND	34.9	31.9	91		37.8	105		30-150	17		50	A
Heptachlor	ND	34.9	35.5	102		36.1	100		30-150	2		50	A
Aldrin	ND	34.9	32.3	93		32.7	90		30-150	1		50	A
Heptachlor epoxide	ND	34.9	32.5	93		33.5	93		30-150	3		50	A
Endrin	ND	34.9	39.1	112		39.8	110		30-150	2		50	A
Endrin aldehyde	ND	34.9	24.0	69		26.8	74		30-150	11		50	A
Endrin ketone	ND	34.9	32.0	92		34.0	94		30-150	6		50	A
Dieldrin	ND	34.9	34.1	98		35.4	98		30-150	4		50	A
4,4'-DDE	ND	34.9	30.4	87		31.8	88		30-150	5		50	A
4,4'-DDD	ND	34.9	32.7	94		34.4	95		30-150	5		50	A
4,4'-DDT	ND	34.9	39.8	114		40.7	113		30-150	2		50	A
Endosulfan I	ND	34.9	29.7	85		31.0	86		30-150	4		50	A
Endosulfan II	ND	34.9	30.3	87		31.6	87		30-150	4		50	A
Endosulfan sulfate	ND	34.9	22.2	64		24.6	68		30-150	10		50	A
Methoxychlor	ND	34.9	43.9	126		45.6	126		30-150	4		50	A
cis-Chlordane	ND	34.9	27.1	78		28.1	78		30-150	4		50	A
trans-Chlordane	ND	34.9	23.7	68		25.6	71		30-150	8		50	A

Matrix Spike Analysis

Batch Quality Control

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
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Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-15,18 QC Batch ID: WG1119958-4 WG1119958-5 QC Sample: L1819157-11
Client ID: SB-4 (18-20)

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		62		30-150	B
Decachlorobiphenyl	74		59		30-150	B
2,4,5,6-Tetrachloro-m-xylene	77		76		30-150	A
Decachlorobiphenyl	74		79		30-150	A

Matrix Spike Analysis*Batch Quality Control***Project Name:** 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>	<i>Column</i>
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-15,18 QC Batch ID: WG1120035-4 WG1120035-5 QC Sample: L1819157-11 Client ID: SB-4 (18-20)													
2,4-D	ND	184	219	119		202	111		30-150	8		30	A
2,4,5-T	ND	184	206	112		203	111		30-150	1		30	A
2,4,5-TP (Silvex)	ND	184	196	107		195	107		30-150	1		30	A

<i>Surrogate</i>	<i>MS % Recovery</i>	<i>Qualifier</i>	<i>MSD % Recovery</i>	<i>Qualifier</i>	<i>Acceptance Criteria</i>	<i>Column</i>
DCAA	98		97		30-150	A
DCAA	93		103		30-150	B

METALS

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-01

Date Collected: 05/23/18 09:55

Client ID: SB-5 (1-2)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	13500		mg/kg	9.05	2.44	2	05/30/18 12:40	05/30/18 23:14	EPA 3050B	1,6010C	AB
Antimony, Total	ND		mg/kg	4.53	0.344	2	05/30/18 12:40	05/30/18 23:14	EPA 3050B	1,6010C	AB
Arsenic, Total	3.44		mg/kg	0.905	0.188	2	05/30/18 12:40	05/30/18 23:14	EPA 3050B	1,6010C	AB
Barium, Total	53.7		mg/kg	0.905	0.158	2	05/30/18 12:40	05/30/18 23:14	EPA 3050B	1,6010C	AB
Beryllium, Total	0.353	J	mg/kg	0.453	0.030	2	05/30/18 12:40	05/30/18 23:14	EPA 3050B	1,6010C	AB
Cadmium, Total	0.434	J	mg/kg	0.905	0.089	2	05/30/18 12:40	05/30/18 23:14	EPA 3050B	1,6010C	AB
Calcium, Total	1250		mg/kg	9.05	3.17	2	05/30/18 12:40	05/30/18 23:14	EPA 3050B	1,6010C	AB
Chromium, Total	24.6		mg/kg	0.905	0.087	2	05/30/18 12:40	05/30/18 23:14	EPA 3050B	1,6010C	AB
Cobalt, Total	8.74		mg/kg	1.81	0.150	2	05/30/18 12:40	05/30/18 23:14	EPA 3050B	1,6010C	AB
Copper, Total	16.7		mg/kg	0.905	0.234	2	05/30/18 12:40	05/30/18 23:14	EPA 3050B	1,6010C	AB
Iron, Total	21200		mg/kg	4.53	0.818	2	05/30/18 12:40	05/30/18 23:14	EPA 3050B	1,6010C	AB
Lead, Total	32.5		mg/kg	4.53	0.243	2	05/30/18 12:40	05/30/18 23:14	EPA 3050B	1,6010C	AB
Magnesium, Total	2200		mg/kg	9.05	1.39	2	05/30/18 12:40	05/30/18 23:14	EPA 3050B	1,6010C	AB
Manganese, Total	239		mg/kg	0.905	0.144	2	05/30/18 12:40	05/30/18 23:14	EPA 3050B	1,6010C	AB
Mercury, Total	0.036	J	mg/kg	0.073	0.015	1	05/30/18 07:50	05/31/18 15:13	EPA 7471B	1,7471B	BV
Nickel, Total	11.2		mg/kg	2.26	0.219	2	05/30/18 12:40	05/30/18 23:14	EPA 3050B	1,6010C	AB
Potassium, Total	722		mg/kg	226	13.0	2	05/30/18 12:40	05/30/18 23:14	EPA 3050B	1,6010C	AB
Selenium, Total	1.43	J	mg/kg	1.81	0.234	2	05/30/18 12:40	05/30/18 23:14	EPA 3050B	1,6010C	AB
Silver, Total	ND		mg/kg	0.905	0.256	2	05/30/18 12:40	05/30/18 23:14	EPA 3050B	1,6010C	AB
Sodium, Total	657		mg/kg	181	2.85	2	05/30/18 12:40	05/30/18 23:14	EPA 3050B	1,6010C	AB
Thallium, Total	0.398	J	mg/kg	1.81	0.285	2	05/30/18 12:40	05/30/18 23:14	EPA 3050B	1,6010C	AB
Vanadium, Total	30.9		mg/kg	0.905	0.184	2	05/30/18 12:40	05/30/18 23:14	EPA 3050B	1,6010C	AB
Zinc, Total	37.6		mg/kg	4.53	0.265	2	05/30/18 12:40	05/30/18 23:14	EPA 3050B	1,6010C	AB



Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-02

Date Collected: 05/23/18 10:00

Client ID: SB-5 (15-17)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	20400		mg/kg	8.39	2.26	2	05/30/18 12:40	05/30/18 23:19	EPA 3050B	1,6010C	AB
Antimony, Total	0.377	J	mg/kg	4.19	0.319	2	05/30/18 12:40	05/30/18 23:19	EPA 3050B	1,6010C	AB
Arsenic, Total	ND		mg/kg	8.39	1.74	20	05/30/18 12:40	05/31/18 03:07	EPA 3050B	1,6010C	AB
Barium, Total	352		mg/kg	0.839	0.146	2	05/30/18 12:40	05/30/18 23:19	EPA 3050B	1,6010C	AB
Beryllium, Total	0.612		mg/kg	0.419	0.028	2	05/30/18 12:40	05/30/18 23:19	EPA 3050B	1,6010C	AB
Cadmium, Total	0.906		mg/kg	0.839	0.082	2	05/30/18 12:40	05/30/18 23:19	EPA 3050B	1,6010C	AB
Calcium, Total	1620		mg/kg	8.39	2.94	2	05/30/18 12:40	05/30/18 23:19	EPA 3050B	1,6010C	AB
Chromium, Total	57.9		mg/kg	0.839	0.081	2	05/30/18 12:40	05/30/18 23:19	EPA 3050B	1,6010C	AB
Cobalt, Total	25.1		mg/kg	1.68	0.139	2	05/30/18 12:40	05/30/18 23:19	EPA 3050B	1,6010C	AB
Copper, Total	42.2		mg/kg	0.839	0.216	2	05/30/18 12:40	05/30/18 23:19	EPA 3050B	1,6010C	AB
Iron, Total	41900		mg/kg	4.19	0.757	2	05/30/18 12:40	05/30/18 23:19	EPA 3050B	1,6010C	AB
Lead, Total	18.8		mg/kg	4.19	0.225	2	05/30/18 12:40	05/30/18 23:19	EPA 3050B	1,6010C	AB
Magnesium, Total	11600		mg/kg	8.39	1.29	2	05/30/18 12:40	05/30/18 23:19	EPA 3050B	1,6010C	AB
Manganese, Total	981		mg/kg	0.839	0.133	2	05/30/18 12:40	05/30/18 23:19	EPA 3050B	1,6010C	AB
Mercury, Total	ND		mg/kg	0.071	0.015	1	05/30/18 07:50	05/31/18 15:15	EPA 7471B	1,7471B	BV
Nickel, Total	41.9		mg/kg	2.10	0.203	2	05/30/18 12:40	05/30/18 23:19	EPA 3050B	1,6010C	AB
Potassium, Total	14800		mg/kg	210	12.1	2	05/30/18 12:40	05/30/18 23:19	EPA 3050B	1,6010C	AB
Selenium, Total	1.84		mg/kg	1.68	0.216	2	05/30/18 12:40	05/30/18 23:19	EPA 3050B	1,6010C	AB
Silver, Total	ND		mg/kg	0.839	0.237	2	05/30/18 12:40	05/30/18 23:19	EPA 3050B	1,6010C	AB
Sodium, Total	275		mg/kg	168	2.64	2	05/30/18 12:40	05/30/18 23:19	EPA 3050B	1,6010C	AB
Thallium, Total	ND		mg/kg	1.68	0.264	2	05/30/18 12:40	05/30/18 23:19	EPA 3050B	1,6010C	AB
Vanadium, Total	75.9		mg/kg	0.839	0.170	2	05/30/18 12:40	05/30/18 23:19	EPA 3050B	1,6010C	AB
Zinc, Total	82.6		mg/kg	4.19	0.246	2	05/30/18 12:40	05/30/18 23:19	EPA 3050B	1,6010C	AB



Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-03

Date Collected: 05/23/18 10:45

Client ID: SB-2 (1-5)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	11700		mg/kg	9.28	2.51	2	05/30/18 12:40	05/30/18 23:24	EPA 3050B	1,6010C	AB
Antimony, Total	ND		mg/kg	4.64	0.353	2	05/30/18 12:40	05/30/18 23:24	EPA 3050B	1,6010C	AB
Arsenic, Total	1.62		mg/kg	0.928	0.193	2	05/30/18 12:40	05/30/18 23:24	EPA 3050B	1,6010C	AB
Barium, Total	26.6		mg/kg	0.928	0.162	2	05/30/18 12:40	05/30/18 23:24	EPA 3050B	1,6010C	AB
Beryllium, Total	0.306	J	mg/kg	0.464	0.031	2	05/30/18 12:40	05/30/18 23:24	EPA 3050B	1,6010C	AB
Cadmium, Total	0.390	J	mg/kg	0.928	0.091	2	05/30/18 12:40	05/30/18 23:24	EPA 3050B	1,6010C	AB
Calcium, Total	765		mg/kg	9.28	3.25	2	05/30/18 12:40	05/30/18 23:24	EPA 3050B	1,6010C	AB
Chromium, Total	26.8		mg/kg	0.928	0.089	2	05/30/18 12:40	05/30/18 23:24	EPA 3050B	1,6010C	AB
Cobalt, Total	7.74		mg/kg	1.86	0.154	2	05/30/18 12:40	05/30/18 23:24	EPA 3050B	1,6010C	AB
Copper, Total	14.2		mg/kg	0.928	0.239	2	05/30/18 12:40	05/30/18 23:24	EPA 3050B	1,6010C	AB
Iron, Total	19800		mg/kg	4.64	0.838	2	05/30/18 12:40	05/30/18 23:24	EPA 3050B	1,6010C	AB
Lead, Total	10.4		mg/kg	4.64	0.249	2	05/30/18 12:40	05/30/18 23:24	EPA 3050B	1,6010C	AB
Magnesium, Total	2440		mg/kg	9.28	1.43	2	05/30/18 12:40	05/30/18 23:24	EPA 3050B	1,6010C	AB
Manganese, Total	232		mg/kg	0.928	0.148	2	05/30/18 12:40	05/30/18 23:24	EPA 3050B	1,6010C	AB
Mercury, Total	0.279		mg/kg	0.074	0.016	1	05/30/18 07:50	05/31/18 15:16	EPA 7471B	1,7471B	BV
Nickel, Total	12.9		mg/kg	2.32	0.225	2	05/30/18 12:40	05/30/18 23:24	EPA 3050B	1,6010C	AB
Potassium, Total	908		mg/kg	232	13.4	2	05/30/18 12:40	05/30/18 23:24	EPA 3050B	1,6010C	AB
Selenium, Total	1.11	J	mg/kg	1.86	0.239	2	05/30/18 12:40	05/30/18 23:24	EPA 3050B	1,6010C	AB
Silver, Total	ND		mg/kg	0.928	0.263	2	05/30/18 12:40	05/30/18 23:24	EPA 3050B	1,6010C	AB
Sodium, Total	300		mg/kg	186	2.92	2	05/30/18 12:40	05/30/18 23:24	EPA 3050B	1,6010C	AB
Thallium, Total	ND		mg/kg	1.86	0.292	2	05/30/18 12:40	05/30/18 23:24	EPA 3050B	1,6010C	AB
Vanadium, Total	35.8		mg/kg	0.928	0.188	2	05/30/18 12:40	05/30/18 23:24	EPA 3050B	1,6010C	AB
Zinc, Total	28.2		mg/kg	4.64	0.272	2	05/30/18 12:40	05/30/18 23:24	EPA 3050B	1,6010C	AB



Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-04

Date Collected: 05/23/18 11:05

Client ID: SB-2 (13-14)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	8200		mg/kg	9.66	2.61	2	05/30/18 12:40	05/30/18 23:28	EPA 3050B	1,6010C	AB
Antimony, Total	ND		mg/kg	4.83	0.367	2	05/30/18 12:40	05/30/18 23:28	EPA 3050B	1,6010C	AB
Arsenic, Total	ND		mg/kg	0.966	0.201	2	05/30/18 12:40	05/30/18 23:28	EPA 3050B	1,6010C	AB
Barium, Total	55.2		mg/kg	0.966	0.168	2	05/30/18 12:40	05/30/18 23:28	EPA 3050B	1,6010C	AB
Beryllium, Total	0.270	J	mg/kg	0.483	0.032	2	05/30/18 12:40	05/30/18 23:28	EPA 3050B	1,6010C	AB
Cadmium, Total	0.212	J	mg/kg	0.966	0.095	2	05/30/18 12:40	05/30/18 23:28	EPA 3050B	1,6010C	AB
Calcium, Total	1500		mg/kg	9.66	3.38	2	05/30/18 12:40	05/30/18 23:28	EPA 3050B	1,6010C	AB
Chromium, Total	10.4		mg/kg	0.966	0.093	2	05/30/18 12:40	05/30/18 23:28	EPA 3050B	1,6010C	AB
Cobalt, Total	13.8		mg/kg	1.93	0.160	2	05/30/18 12:40	05/30/18 23:28	EPA 3050B	1,6010C	AB
Copper, Total	ND		mg/kg	0.966	0.249	2	05/30/18 12:40	05/30/18 23:28	EPA 3050B	1,6010C	AB
Iron, Total	11000		mg/kg	4.83	0.872	2	05/30/18 12:40	05/30/18 23:28	EPA 3050B	1,6010C	AB
Lead, Total	10.3		mg/kg	4.83	0.259	2	05/30/18 12:40	05/30/18 23:28	EPA 3050B	1,6010C	AB
Magnesium, Total	3590		mg/kg	9.66	1.49	2	05/30/18 12:40	05/30/18 23:28	EPA 3050B	1,6010C	AB
Manganese, Total	636		mg/kg	0.966	0.154	2	05/30/18 12:40	05/30/18 23:28	EPA 3050B	1,6010C	AB
Mercury, Total	ND		mg/kg	0.080	0.017	1	05/30/18 07:50	05/31/18 15:18	EPA 7471B	1,7471B	BV
Nickel, Total	11.8		mg/kg	2.41	0.234	2	05/30/18 12:40	05/30/18 23:28	EPA 3050B	1,6010C	AB
Potassium, Total	4030		mg/kg	241	13.9	2	05/30/18 12:40	05/30/18 23:28	EPA 3050B	1,6010C	AB
Selenium, Total	0.483	J	mg/kg	1.93	0.249	2	05/30/18 12:40	05/30/18 23:28	EPA 3050B	1,6010C	AB
Silver, Total	ND		mg/kg	0.966	0.273	2	05/30/18 12:40	05/30/18 23:28	EPA 3050B	1,6010C	AB
Sodium, Total	62.0	J	mg/kg	193	3.04	2	05/30/18 12:40	05/30/18 23:28	EPA 3050B	1,6010C	AB
Thallium, Total	0.541	J	mg/kg	1.93	0.304	2	05/30/18 12:40	05/30/18 23:28	EPA 3050B	1,6010C	AB
Vanadium, Total	10.9		mg/kg	0.966	0.196	2	05/30/18 12:40	05/30/18 23:28	EPA 3050B	1,6010C	AB
Zinc, Total	33.4		mg/kg	4.83	0.283	2	05/30/18 12:40	05/30/18 23:28	EPA 3050B	1,6010C	AB



Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-05

Date Collected: 05/23/18 12:05

Client ID: SB-3 (15-16)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	31500		mg/kg	8.86	2.39	2	05/30/18 12:40	05/30/18 23:33	EPA 3050B	1,6010C	AB
Antimony, Total	0.470	J	mg/kg	4.43	0.337	2	05/30/18 12:40	05/30/18 23:33	EPA 3050B	1,6010C	AB
Arsenic, Total	ND		mg/kg	0.886	0.184	2	05/30/18 12:40	05/30/18 23:33	EPA 3050B	1,6010C	AB
Barium, Total	388		mg/kg	0.886	0.154	2	05/30/18 12:40	05/30/18 23:33	EPA 3050B	1,6010C	AB
Beryllium, Total	0.709		mg/kg	0.443	0.029	2	05/30/18 12:40	05/30/18 23:33	EPA 3050B	1,6010C	AB
Cadmium, Total	0.168	J	mg/kg	0.886	0.087	2	05/30/18 12:40	05/30/18 23:33	EPA 3050B	1,6010C	AB
Calcium, Total	1730		mg/kg	8.86	3.10	2	05/30/18 12:40	05/30/18 23:33	EPA 3050B	1,6010C	AB
Chromium, Total	15.1		mg/kg	0.886	0.085	2	05/30/18 12:40	05/30/18 23:33	EPA 3050B	1,6010C	AB
Cobalt, Total	6.45		mg/kg	1.77	0.147	2	05/30/18 12:40	05/30/18 23:33	EPA 3050B	1,6010C	AB
Copper, Total	ND		mg/kg	0.886	0.228	2	05/30/18 12:40	05/30/18 23:33	EPA 3050B	1,6010C	AB
Iron, Total	9780		mg/kg	4.43	0.800	2	05/30/18 12:40	05/30/18 23:33	EPA 3050B	1,6010C	AB
Lead, Total	1.12	J	mg/kg	4.43	0.237	2	05/30/18 12:40	05/30/18 23:33	EPA 3050B	1,6010C	AB
Magnesium, Total	1020		mg/kg	8.86	1.36	2	05/30/18 12:40	05/30/18 23:33	EPA 3050B	1,6010C	AB
Manganese, Total	320		mg/kg	0.886	0.141	2	05/30/18 12:40	05/30/18 23:33	EPA 3050B	1,6010C	AB
Mercury, Total	ND		mg/kg	0.073	0.015	1	05/30/18 07:50	05/31/18 15:20	EPA 7471B	1,7471B	BV
Nickel, Total	214		mg/kg	2.21	0.214	2	05/30/18 12:40	05/30/18 23:33	EPA 3050B	1,6010C	AB
Potassium, Total	491		mg/kg	221	12.8	2	05/30/18 12:40	05/30/18 23:33	EPA 3050B	1,6010C	AB
Selenium, Total	0.868	J	mg/kg	1.77	0.228	2	05/30/18 12:40	05/30/18 23:33	EPA 3050B	1,6010C	AB
Silver, Total	ND		mg/kg	0.886	0.251	2	05/30/18 12:40	05/30/18 23:33	EPA 3050B	1,6010C	AB
Sodium, Total	224		mg/kg	177	2.79	2	05/30/18 12:40	05/30/18 23:33	EPA 3050B	1,6010C	AB
Thallium, Total	0.549	J	mg/kg	1.77	0.279	2	05/30/18 12:40	05/30/18 23:33	EPA 3050B	1,6010C	AB
Vanadium, Total	14.1		mg/kg	0.886	0.180	2	05/30/18 12:40	05/30/18 23:33	EPA 3050B	1,6010C	AB
Zinc, Total	16.1		mg/kg	4.43	0.260	2	05/30/18 12:40	05/30/18 23:33	EPA 3050B	1,6010C	AB



Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-06

Date Collected: 05/23/18 12:00

Client ID: SB-3 (1-5)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	12900		mg/kg	9.09	2.45	2	05/30/18 12:40	05/30/18 23:37	EPA 3050B	1,6010C	AB
Antimony, Total	34.1		mg/kg	4.54	0.345	2	05/30/18 12:40	05/30/18 23:37	EPA 3050B	1,6010C	AB
Arsenic, Total	2.54	J	mg/kg	9.09	1.89	20	05/30/18 12:40	06/01/18 13:42	EPA 3050B	1,6010C	MC
Barium, Total	153		mg/kg	0.909	0.158	2	05/30/18 12:40	05/30/18 23:37	EPA 3050B	1,6010C	AB
Beryllium, Total	0.363	J	mg/kg	0.454	0.030	2	05/30/18 12:40	05/30/18 23:37	EPA 3050B	1,6010C	AB
Cadmium, Total	7.56		mg/kg	0.909	0.089	2	05/30/18 12:40	05/30/18 23:37	EPA 3050B	1,6010C	AB
Calcium, Total	2370		mg/kg	9.09	3.18	2	05/30/18 12:40	05/30/18 23:37	EPA 3050B	1,6010C	AB
Chromium, Total	30.8		mg/kg	0.909	0.087	2	05/30/18 12:40	05/30/18 23:37	EPA 3050B	1,6010C	AB
Cobalt, Total	161		mg/kg	1.82	0.151	2	05/30/18 12:40	05/30/18 23:37	EPA 3050B	1,6010C	AB
Copper, Total	37.5		mg/kg	0.909	0.234	2	05/30/18 12:40	05/30/18 23:37	EPA 3050B	1,6010C	AB
Iron, Total	24900		mg/kg	4.54	0.820	2	05/30/18 12:40	05/30/18 23:37	EPA 3050B	1,6010C	AB
Lead, Total	1110		mg/kg	4.54	0.244	2	05/30/18 12:40	05/30/18 23:37	EPA 3050B	1,6010C	AB
Magnesium, Total	4650		mg/kg	9.09	1.40	2	05/30/18 12:40	05/30/18 23:37	EPA 3050B	1,6010C	AB
Manganese, Total	585		mg/kg	0.909	0.144	2	05/30/18 12:40	05/30/18 23:37	EPA 3050B	1,6010C	AB
Mercury, Total	0.297		mg/kg	0.076	0.016	1	05/30/18 07:50	05/31/18 15:22	EPA 7471B	1,7471B	BV
Nickel, Total	276		mg/kg	2.27	0.220	2	05/30/18 12:40	05/30/18 23:37	EPA 3050B	1,6010C	AB
Potassium, Total	4730		mg/kg	227	13.1	2	05/30/18 12:40	05/30/18 23:37	EPA 3050B	1,6010C	AB
Selenium, Total	13.9		mg/kg	1.82	0.234	2	05/30/18 12:40	05/30/18 23:37	EPA 3050B	1,6010C	AB
Silver, Total	ND		mg/kg	0.909	0.257	2	05/30/18 12:40	05/30/18 23:37	EPA 3050B	1,6010C	AB
Sodium, Total	256		mg/kg	182	2.86	2	05/30/18 12:40	05/30/18 23:37	EPA 3050B	1,6010C	AB
Thallium, Total	ND		mg/kg	1.82	0.286	2	05/30/18 12:40	05/30/18 23:37	EPA 3050B	1,6010C	AB
Vanadium, Total	46.2		mg/kg	0.909	0.184	2	05/30/18 12:40	05/30/18 23:37	EPA 3050B	1,6010C	AB
Zinc, Total	1290		mg/kg	4.54	0.266	2	05/30/18 12:40	05/30/18 23:37	EPA 3050B	1,6010C	AB



Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-07

Date Collected: 05/23/18 14:05

Client ID: SB-1 (1-5)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	16700		mg/kg	9.03	2.44	2	05/30/18 12:40	05/31/18 01:09	EPA 3050B	1,6010C	AB
Antimony, Total	ND		mg/kg	4.51	0.343	2	05/30/18 12:40	05/31/18 01:09	EPA 3050B	1,6010C	AB
Arsenic, Total	0.442	J	mg/kg	0.903	0.188	2	05/30/18 12:40	05/31/18 01:09	EPA 3050B	1,6010C	AB
Barium, Total	192		mg/kg	0.903	0.157	2	05/30/18 12:40	05/31/18 01:09	EPA 3050B	1,6010C	AB
Beryllium, Total	0.406	J	mg/kg	0.451	0.030	2	05/30/18 12:40	05/31/18 01:09	EPA 3050B	1,6010C	AB
Cadmium, Total	0.686	J	mg/kg	0.903	0.089	2	05/30/18 12:40	05/31/18 01:09	EPA 3050B	1,6010C	AB
Calcium, Total	1760		mg/kg	9.03	3.16	2	05/30/18 12:40	05/31/18 01:09	EPA 3050B	1,6010C	AB
Chromium, Total	41.1		mg/kg	0.903	0.087	2	05/30/18 12:40	05/31/18 01:09	EPA 3050B	1,6010C	AB
Cobalt, Total	19.5		mg/kg	1.80	0.150	2	05/30/18 12:40	05/31/18 01:09	EPA 3050B	1,6010C	AB
Copper, Total	103		mg/kg	0.903	0.233	2	05/30/18 12:40	05/31/18 01:09	EPA 3050B	1,6010C	AB
Iron, Total	31200		mg/kg	4.51	0.815	2	05/30/18 12:40	05/31/18 01:09	EPA 3050B	1,6010C	AB
Lead, Total	64.0		mg/kg	4.51	0.242	2	05/30/18 12:40	05/31/18 01:09	EPA 3050B	1,6010C	AB
Magnesium, Total	6860		mg/kg	9.03	1.39	2	05/30/18 12:40	05/31/18 01:09	EPA 3050B	1,6010C	AB
Manganese, Total	630		mg/kg	0.903	0.144	2	05/30/18 12:40	05/31/18 01:09	EPA 3050B	1,6010C	AB
Mercury, Total	0.174		mg/kg	0.074	0.016	1	05/30/18 07:50	05/31/18 15:27	EPA 7471B	1,7471B	BV
Nickel, Total	34.2		mg/kg	2.26	0.218	2	05/30/18 12:40	05/31/18 01:09	EPA 3050B	1,6010C	AB
Potassium, Total	7720		mg/kg	226	13.0	2	05/30/18 12:40	05/31/18 01:09	EPA 3050B	1,6010C	AB
Selenium, Total	1.63	J	mg/kg	1.80	0.233	2	05/30/18 12:40	05/31/18 01:09	EPA 3050B	1,6010C	AB
Silver, Total	ND		mg/kg	0.903	0.256	2	05/30/18 12:40	05/31/18 01:09	EPA 3050B	1,6010C	AB
Sodium, Total	302		mg/kg	180	2.84	2	05/30/18 12:40	05/31/18 01:09	EPA 3050B	1,6010C	AB
Thallium, Total	ND		mg/kg	1.80	0.284	2	05/30/18 12:40	05/31/18 01:09	EPA 3050B	1,6010C	AB
Vanadium, Total	81.1		mg/kg	0.903	0.183	2	05/30/18 12:40	05/31/18 01:09	EPA 3050B	1,6010C	AB
Zinc, Total	88.4		mg/kg	4.51	0.264	2	05/30/18 12:40	05/31/18 01:09	EPA 3050B	1,6010C	AB



Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-08

Date Collected: 05/23/18 14:50

Client ID: SB-1 (20-21)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	18100		mg/kg	9.19	2.48	2	05/30/18 12:40	05/31/18 01:14	EPA 3050B	1,6010C	AB
Antimony, Total	ND		mg/kg	4.59	0.349	2	05/30/18 12:40	05/31/18 01:14	EPA 3050B	1,6010C	AB
Arsenic, Total	ND		mg/kg	0.919	0.191	2	05/30/18 12:40	05/31/18 01:14	EPA 3050B	1,6010C	AB
Barium, Total	257		mg/kg	0.919	0.160	2	05/30/18 12:40	05/31/18 01:14	EPA 3050B	1,6010C	AB
Beryllium, Total	0.533		mg/kg	0.459	0.030	2	05/30/18 12:40	05/31/18 01:14	EPA 3050B	1,6010C	AB
Cadmium, Total	0.680	J	mg/kg	0.919	0.090	2	05/30/18 12:40	05/31/18 01:14	EPA 3050B	1,6010C	AB
Calcium, Total	1990		mg/kg	9.19	3.22	2	05/30/18 12:40	05/31/18 01:14	EPA 3050B	1,6010C	AB
Chromium, Total	109		mg/kg	0.919	0.088	2	05/30/18 12:40	05/31/18 01:14	EPA 3050B	1,6010C	AB
Cobalt, Total	25.1		mg/kg	1.84	0.152	2	05/30/18 12:40	05/31/18 01:14	EPA 3050B	1,6010C	AB
Copper, Total	6.08		mg/kg	0.919	0.237	2	05/30/18 12:40	05/31/18 01:14	EPA 3050B	1,6010C	AB
Iron, Total	35500		mg/kg	4.59	0.830	2	05/30/18 12:40	05/31/18 01:14	EPA 3050B	1,6010C	AB
Lead, Total	2.06	J	mg/kg	4.59	0.246	2	05/30/18 12:40	05/31/18 01:14	EPA 3050B	1,6010C	AB
Magnesium, Total	13300		mg/kg	9.19	1.41	2	05/30/18 12:40	05/31/18 01:14	EPA 3050B	1,6010C	AB
Manganese, Total	1130		mg/kg	0.919	0.146	2	05/30/18 12:40	05/31/18 01:14	EPA 3050B	1,6010C	AB
Mercury, Total	ND		mg/kg	0.077	0.016	1	05/30/18 07:50	05/31/18 15:29	EPA 7471B	1,7471B	BV
Nickel, Total	78.0		mg/kg	2.30	0.222	2	05/30/18 12:40	05/31/18 01:14	EPA 3050B	1,6010C	AB
Potassium, Total	9690		mg/kg	230	13.2	2	05/30/18 12:40	05/31/18 01:14	EPA 3050B	1,6010C	AB
Selenium, Total	1.36	J	mg/kg	1.84	0.237	2	05/30/18 12:40	05/31/18 01:14	EPA 3050B	1,6010C	AB
Silver, Total	ND		mg/kg	0.919	0.260	2	05/30/18 12:40	05/31/18 01:14	EPA 3050B	1,6010C	AB
Sodium, Total	173	J	mg/kg	184	2.89	2	05/30/18 12:40	05/31/18 01:14	EPA 3050B	1,6010C	AB
Thallium, Total	ND		mg/kg	1.84	0.289	2	05/30/18 12:40	05/31/18 01:14	EPA 3050B	1,6010C	AB
Vanadium, Total	57.8		mg/kg	0.919	0.186	2	05/30/18 12:40	05/31/18 01:14	EPA 3050B	1,6010C	AB
Zinc, Total	51.9		mg/kg	4.59	0.269	2	05/30/18 12:40	05/31/18 01:14	EPA 3050B	1,6010C	AB



Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-09

Date Collected: 05/23/18 14:55

Client ID: SB-1 (20-21) DUP

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	22900		mg/kg	9.64	2.60	2	05/30/18 12:40	05/31/18 01:18	EPA 3050B	1,6010C	AB
Antimony, Total	ND		mg/kg	4.82	0.366	2	05/30/18 12:40	05/31/18 01:18	EPA 3050B	1,6010C	AB
Arsenic, Total	ND		mg/kg	0.964	0.200	2	05/30/18 12:40	05/31/18 01:18	EPA 3050B	1,6010C	AB
Barium, Total	348		mg/kg	0.964	0.168	2	05/30/18 12:40	05/31/18 01:18	EPA 3050B	1,6010C	AB
Beryllium, Total	0.655		mg/kg	0.482	0.032	2	05/30/18 12:40	05/31/18 01:18	EPA 3050B	1,6010C	AB
Cadmium, Total	0.761	J	mg/kg	0.964	0.095	2	05/30/18 12:40	05/31/18 01:18	EPA 3050B	1,6010C	AB
Calcium, Total	2320		mg/kg	9.64	3.37	2	05/30/18 12:40	05/31/18 01:18	EPA 3050B	1,6010C	AB
Chromium, Total	109		mg/kg	0.964	0.093	2	05/30/18 12:40	05/31/18 01:18	EPA 3050B	1,6010C	AB
Cobalt, Total	31.5		mg/kg	1.93	0.160	2	05/30/18 12:40	05/31/18 01:18	EPA 3050B	1,6010C	AB
Copper, Total	4.84		mg/kg	0.964	0.249	2	05/30/18 12:40	05/31/18 01:18	EPA 3050B	1,6010C	AB
Iron, Total	39000		mg/kg	4.82	0.870	2	05/30/18 12:40	05/31/18 01:18	EPA 3050B	1,6010C	AB
Lead, Total	2.24	J	mg/kg	4.82	0.258	2	05/30/18 12:40	05/31/18 01:18	EPA 3050B	1,6010C	AB
Magnesium, Total	16500		mg/kg	9.64	1.48	2	05/30/18 12:40	05/31/18 01:18	EPA 3050B	1,6010C	AB
Manganese, Total	1140		mg/kg	0.964	0.153	2	05/30/18 12:40	05/31/18 01:18	EPA 3050B	1,6010C	AB
Mercury, Total	ND		mg/kg	0.079	0.017	1	05/30/18 07:50	05/31/18 15:31	EPA 7471B	1,7471B	BV
Nickel, Total	92.9		mg/kg	2.41	0.233	2	05/30/18 12:40	05/31/18 01:18	EPA 3050B	1,6010C	AB
Potassium, Total	12400		mg/kg	241	13.9	2	05/30/18 12:40	05/31/18 01:18	EPA 3050B	1,6010C	AB
Selenium, Total	1.65	J	mg/kg	1.93	0.249	2	05/30/18 12:40	05/31/18 01:18	EPA 3050B	1,6010C	AB
Silver, Total	ND		mg/kg	0.964	0.273	2	05/30/18 12:40	05/31/18 01:18	EPA 3050B	1,6010C	AB
Sodium, Total	217		mg/kg	193	3.04	2	05/30/18 12:40	05/31/18 01:18	EPA 3050B	1,6010C	AB
Thallium, Total	ND		mg/kg	1.93	0.304	2	05/30/18 12:40	05/31/18 01:18	EPA 3050B	1,6010C	AB
Vanadium, Total	69.0		mg/kg	0.964	0.196	2	05/30/18 12:40	05/31/18 01:18	EPA 3050B	1,6010C	AB
Zinc, Total	61.6		mg/kg	4.82	0.282	2	05/30/18 12:40	05/31/18 01:18	EPA 3050B	1,6010C	AB



Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-10

Date Collected: 05/23/18 15:25

Client ID: SB-4 (0-5)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	11700		mg/kg	8.96	2.42	2	05/30/18 12:40	05/31/18 01:23	EPA 3050B	1,6010C	AB
Antimony, Total	ND		mg/kg	4.48	0.341	2	05/30/18 12:40	05/31/18 01:23	EPA 3050B	1,6010C	AB
Arsenic, Total	0.681	J	mg/kg	0.896	0.186	2	05/30/18 12:40	05/31/18 01:23	EPA 3050B	1,6010C	AB
Barium, Total	63.3		mg/kg	0.896	0.156	2	05/30/18 12:40	05/31/18 01:23	EPA 3050B	1,6010C	AB
Beryllium, Total	0.412	J	mg/kg	0.448	0.030	2	05/30/18 12:40	05/31/18 01:23	EPA 3050B	1,6010C	AB
Cadmium, Total	0.358	J	mg/kg	0.896	0.088	2	05/30/18 12:40	05/31/18 01:23	EPA 3050B	1,6010C	AB
Calcium, Total	1190		mg/kg	8.96	3.14	2	05/30/18 12:40	05/31/18 01:23	EPA 3050B	1,6010C	AB
Chromium, Total	20.7		mg/kg	0.896	0.086	2	05/30/18 12:40	05/31/18 01:23	EPA 3050B	1,6010C	AB
Cobalt, Total	8.59		mg/kg	1.79	0.149	2	05/30/18 12:40	05/31/18 01:23	EPA 3050B	1,6010C	AB
Copper, Total	25.8		mg/kg	0.896	0.231	2	05/30/18 12:40	05/31/18 01:23	EPA 3050B	1,6010C	AB
Iron, Total	17900		mg/kg	4.48	0.809	2	05/30/18 12:40	05/31/18 01:23	EPA 3050B	1,6010C	AB
Lead, Total	7.40		mg/kg	4.48	0.240	2	05/30/18 12:40	05/31/18 01:23	EPA 3050B	1,6010C	AB
Magnesium, Total	2730		mg/kg	8.96	1.38	2	05/30/18 12:40	05/31/18 01:23	EPA 3050B	1,6010C	AB
Manganese, Total	254		mg/kg	0.896	0.142	2	05/30/18 12:40	05/31/18 01:23	EPA 3050B	1,6010C	AB
Mercury, Total	0.042	J	mg/kg	0.072	0.015	1	05/30/18 07:50	05/31/18 15:33	EPA 7471B	1,7471B	BV
Nickel, Total	13.2		mg/kg	2.24	0.217	2	05/30/18 12:40	05/31/18 01:23	EPA 3050B	1,6010C	AB
Potassium, Total	1850		mg/kg	224	12.9	2	05/30/18 12:40	05/31/18 01:23	EPA 3050B	1,6010C	AB
Selenium, Total	1.11	J	mg/kg	1.79	0.231	2	05/30/18 12:40	05/31/18 01:23	EPA 3050B	1,6010C	AB
Silver, Total	ND		mg/kg	0.896	0.254	2	05/30/18 12:40	05/31/18 01:23	EPA 3050B	1,6010C	AB
Sodium, Total	196		mg/kg	179	2.82	2	05/30/18 12:40	05/31/18 01:23	EPA 3050B	1,6010C	AB
Thallium, Total	ND		mg/kg	1.79	0.282	2	05/30/18 12:40	05/31/18 01:23	EPA 3050B	1,6010C	AB
Vanadium, Total	28.7		mg/kg	0.896	0.182	2	05/30/18 12:40	05/31/18 01:23	EPA 3050B	1,6010C	AB
Zinc, Total	29.0		mg/kg	4.48	0.263	2	05/30/18 12:40	05/31/18 01:23	EPA 3050B	1,6010C	AB



Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-11

Date Collected: 05/23/18 15:50

Client ID: SB-4 (18-20)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	14800		mg/kg	8.48	2.29	2	05/30/18 12:40	05/30/18 22:20	EPA 3050B	1,6010C	AB
Antimony, Total	ND		mg/kg	4.24	0.322	2	05/30/18 12:40	05/30/18 22:20	EPA 3050B	1,6010C	AB
Arsenic, Total	ND		mg/kg	0.848	0.176	2	05/30/18 12:40	05/30/18 22:20	EPA 3050B	1,6010C	AB
Barium, Total	208		mg/kg	0.848	0.147	2	05/30/18 12:40	05/30/18 22:20	EPA 3050B	1,6010C	AB
Beryllium, Total	0.322	J	mg/kg	0.424	0.028	2	05/30/18 12:40	05/30/18 22:20	EPA 3050B	1,6010C	AB
Cadmium, Total	0.593	J	mg/kg	0.848	0.083	2	05/30/18 12:40	05/30/18 22:20	EPA 3050B	1,6010C	AB
Calcium, Total	1210		mg/kg	8.48	2.97	2	05/30/18 12:40	05/30/18 22:20	EPA 3050B	1,6010C	AB
Chromium, Total	24.2		mg/kg	0.848	0.081	2	05/30/18 12:40	05/30/18 22:20	EPA 3050B	1,6010C	AB
Cobalt, Total	18.9		mg/kg	1.70	0.141	2	05/30/18 12:40	05/30/18 22:20	EPA 3050B	1,6010C	AB
Copper, Total	4.42		mg/kg	0.848	0.219	2	05/30/18 12:40	05/30/18 22:20	EPA 3050B	1,6010C	AB
Iron, Total	28900		mg/kg	4.24	0.765	2	05/30/18 12:40	05/30/18 22:20	EPA 3050B	1,6010C	AB
Lead, Total	6.47		mg/kg	4.24	0.227	2	05/30/18 12:40	05/30/18 22:20	EPA 3050B	1,6010C	AB
Magnesium, Total	7710		mg/kg	8.48	1.30	2	05/30/18 12:40	05/30/18 22:20	EPA 3050B	1,6010C	AB
Manganese, Total	374		mg/kg	0.848	0.135	2	05/30/18 12:40	05/30/18 22:20	EPA 3050B	1,6010C	AB
Mercury, Total	ND		mg/kg	0.070	0.015	1	05/30/18 07:50	05/31/18 15:06	EPA 7471B	1,7471B	BV
Nickel, Total	21.5		mg/kg	2.12	0.205	2	05/30/18 12:40	05/30/18 22:20	EPA 3050B	1,6010C	AB
Potassium, Total	11000		mg/kg	212	12.2	2	05/30/18 12:40	05/30/18 22:20	EPA 3050B	1,6010C	AB
Selenium, Total	0.949	J	mg/kg	1.70	0.219	2	05/30/18 12:40	05/30/18 22:20	EPA 3050B	1,6010C	AB
Silver, Total	ND		mg/kg	0.848	0.240	2	05/30/18 12:40	05/30/18 22:20	EPA 3050B	1,6010C	AB
Sodium, Total	121	J	mg/kg	170	2.67	2	05/30/18 12:40	05/30/18 22:20	EPA 3050B	1,6010C	AB
Thallium, Total	ND		mg/kg	1.70	0.267	2	05/30/18 12:40	05/30/18 22:20	EPA 3050B	1,6010C	AB
Vanadium, Total	37.9		mg/kg	0.848	0.172	2	05/30/18 12:40	05/30/18 22:20	EPA 3050B	1,6010C	AB
Zinc, Total	78.0		mg/kg	4.24	0.248	2	05/30/18 12:40	05/30/18 22:20	EPA 3050B	1,6010C	AB



Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-12

Date Collected: 05/23/18 13:36

Client ID: S1-S (0-0.5)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	13500		mg/kg	9.15	2.47	2	05/30/18 12:40	05/31/18 01:27	EPA 3050B	1,6010C	AB
Antimony, Total	0.705	J	mg/kg	4.58	0.348	2	05/30/18 12:40	05/31/18 01:27	EPA 3050B	1,6010C	AB
Arsenic, Total	6.39		mg/kg	0.915	0.190	2	05/30/18 12:40	05/31/18 01:27	EPA 3050B	1,6010C	AB
Barium, Total	292		mg/kg	0.915	0.159	2	05/30/18 12:40	05/31/18 01:27	EPA 3050B	1,6010C	AB
Beryllium, Total	0.540		mg/kg	0.458	0.030	2	05/30/18 12:40	05/31/18 01:27	EPA 3050B	1,6010C	AB
Cadmium, Total	0.558	J	mg/kg	0.915	0.090	2	05/30/18 12:40	05/31/18 01:27	EPA 3050B	1,6010C	AB
Calcium, Total	9180		mg/kg	9.15	3.20	2	05/30/18 12:40	05/31/18 01:27	EPA 3050B	1,6010C	AB
Chromium, Total	34.2		mg/kg	0.915	0.088	2	05/30/18 12:40	05/31/18 01:27	EPA 3050B	1,6010C	AB
Cobalt, Total	13.4		mg/kg	1.83	0.152	2	05/30/18 12:40	05/31/18 01:27	EPA 3050B	1,6010C	AB
Copper, Total	39.6		mg/kg	0.915	0.236	2	05/30/18 12:40	05/31/18 01:27	EPA 3050B	1,6010C	AB
Iron, Total	19400		mg/kg	4.58	0.827	2	05/30/18 12:40	05/31/18 01:27	EPA 3050B	1,6010C	AB
Lead, Total	53.8		mg/kg	4.58	0.245	2	05/30/18 12:40	05/31/18 01:27	EPA 3050B	1,6010C	AB
Magnesium, Total	7560		mg/kg	9.15	1.41	2	05/30/18 12:40	05/31/18 01:27	EPA 3050B	1,6010C	AB
Manganese, Total	281		mg/kg	0.915	0.146	2	05/30/18 12:40	05/31/18 01:27	EPA 3050B	1,6010C	AB
Mercury, Total	0.047	J	mg/kg	0.072	0.015	1	05/30/18 07:50	05/31/18 15:34	EPA 7471B	1,7471B	BV
Nickel, Total	32.7		mg/kg	2.29	0.222	2	05/30/18 12:40	05/31/18 01:27	EPA 3050B	1,6010C	AB
Potassium, Total	5080		mg/kg	229	13.2	2	05/30/18 12:40	05/31/18 01:27	EPA 3050B	1,6010C	AB
Selenium, Total	1.99		mg/kg	1.83	0.236	2	05/30/18 12:40	05/31/18 01:27	EPA 3050B	1,6010C	AB
Silver, Total	ND		mg/kg	0.915	0.259	2	05/30/18 12:40	05/31/18 01:27	EPA 3050B	1,6010C	AB
Sodium, Total	232		mg/kg	183	2.88	2	05/30/18 12:40	05/31/18 01:27	EPA 3050B	1,6010C	AB
Thallium, Total	ND		mg/kg	1.83	0.288	2	05/30/18 12:40	05/31/18 01:27	EPA 3050B	1,6010C	AB
Vanadium, Total	84.8		mg/kg	0.915	0.186	2	05/30/18 12:40	05/31/18 01:27	EPA 3050B	1,6010C	AB
Zinc, Total	108		mg/kg	4.58	0.268	2	05/30/18 12:40	05/31/18 01:27	EPA 3050B	1,6010C	AB



Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-13

Date Collected: 05/23/18 13:44

Client ID: S1-E (0-0.5)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7150		mg/kg	9.07	2.45	2	05/30/18 12:40	05/31/18 01:32	EPA 3050B	1,6010C	AB
Antimony, Total	0.771	J	mg/kg	4.54	0.345	2	05/30/18 12:40	05/31/18 01:32	EPA 3050B	1,6010C	AB
Arsenic, Total	8.66		mg/kg	0.907	0.189	2	05/30/18 12:40	05/31/18 01:32	EPA 3050B	1,6010C	AB
Barium, Total	349		mg/kg	0.907	0.158	2	05/30/18 12:40	05/31/18 01:32	EPA 3050B	1,6010C	AB
Beryllium, Total	0.290	J	mg/kg	0.454	0.030	2	05/30/18 12:40	05/31/18 01:32	EPA 3050B	1,6010C	AB
Cadmium, Total	0.581	J	mg/kg	0.907	0.089	2	05/30/18 12:40	05/31/18 01:32	EPA 3050B	1,6010C	AB
Calcium, Total	16400		mg/kg	9.07	3.18	2	05/30/18 12:40	05/31/18 01:32	EPA 3050B	1,6010C	AB
Chromium, Total	25.8		mg/kg	0.907	0.087	2	05/30/18 12:40	05/31/18 01:32	EPA 3050B	1,6010C	AB
Cobalt, Total	9.87		mg/kg	1.81	0.151	2	05/30/18 12:40	05/31/18 01:32	EPA 3050B	1,6010C	AB
Copper, Total	51.7		mg/kg	0.907	0.234	2	05/30/18 12:40	05/31/18 01:32	EPA 3050B	1,6010C	AB
Iron, Total	11400		mg/kg	4.54	0.819	2	05/30/18 12:40	05/31/18 01:32	EPA 3050B	1,6010C	AB
Lead, Total	111		mg/kg	4.54	0.243	2	05/30/18 12:40	05/31/18 01:32	EPA 3050B	1,6010C	AB
Magnesium, Total	7130		mg/kg	9.07	1.40	2	05/30/18 12:40	05/31/18 01:32	EPA 3050B	1,6010C	AB
Manganese, Total	185		mg/kg	0.907	0.144	2	05/30/18 12:40	05/31/18 01:32	EPA 3050B	1,6010C	AB
Mercury, Total	0.045	J	mg/kg	0.072	0.015	1	05/30/18 07:50	05/31/18 15:36	EPA 7471B	1,7471B	BV
Nickel, Total	30.4		mg/kg	2.27	0.220	2	05/30/18 12:40	05/31/18 01:32	EPA 3050B	1,6010C	AB
Potassium, Total	3020		mg/kg	227	13.1	2	05/30/18 12:40	05/31/18 01:32	EPA 3050B	1,6010C	AB
Selenium, Total	2.01		mg/kg	1.81	0.234	2	05/30/18 12:40	05/31/18 01:32	EPA 3050B	1,6010C	AB
Silver, Total	ND		mg/kg	0.907	0.257	2	05/30/18 12:40	05/31/18 01:32	EPA 3050B	1,6010C	AB
Sodium, Total	256		mg/kg	181	2.86	2	05/30/18 12:40	05/31/18 01:32	EPA 3050B	1,6010C	AB
Thallium, Total	0.327	J	mg/kg	1.81	0.286	2	05/30/18 12:40	05/31/18 01:32	EPA 3050B	1,6010C	AB
Vanadium, Total	85.9		mg/kg	0.907	0.184	2	05/30/18 12:40	05/31/18 01:32	EPA 3050B	1,6010C	AB
Zinc, Total	146		mg/kg	4.54	0.266	2	05/30/18 12:40	05/31/18 01:32	EPA 3050B	1,6010C	AB



Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-14

Date Collected: 05/23/18 13:57

Client ID: S1-C (0.5-1)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	28700		mg/kg	8.46	2.28	2	05/30/18 12:40	05/31/18 01:36	EPA 3050B	1,6010C	AB
Antimony, Total	0.347	J	mg/kg	4.23	0.321	2	05/30/18 12:40	05/31/18 01:36	EPA 3050B	1,6010C	AB
Arsenic, Total	ND		mg/kg	0.846	0.176	2	05/30/18 12:40	05/31/18 01:36	EPA 3050B	1,6010C	AB
Barium, Total	598		mg/kg	0.846	0.147	2	05/30/18 12:40	05/31/18 01:36	EPA 3050B	1,6010C	AB
Beryllium, Total	0.516		mg/kg	0.423	0.028	2	05/30/18 12:40	05/31/18 01:36	EPA 3050B	1,6010C	AB
Cadmium, Total	0.888		mg/kg	0.846	0.083	2	05/30/18 12:40	05/31/18 01:36	EPA 3050B	1,6010C	AB
Calcium, Total	3130		mg/kg	8.46	2.96	2	05/30/18 12:40	05/31/18 01:36	EPA 3050B	1,6010C	AB
Chromium, Total	127		mg/kg	0.846	0.081	2	05/30/18 12:40	05/31/18 01:36	EPA 3050B	1,6010C	AB
Cobalt, Total	39.5		mg/kg	1.69	0.140	2	05/30/18 12:40	05/31/18 01:36	EPA 3050B	1,6010C	AB
Copper, Total	13.5		mg/kg	0.846	0.218	2	05/30/18 12:40	05/31/18 01:36	EPA 3050B	1,6010C	AB
Iron, Total	44600		mg/kg	4.23	0.764	2	05/30/18 12:40	05/31/18 01:36	EPA 3050B	1,6010C	AB
Lead, Total	22.1		mg/kg	4.23	0.227	2	05/30/18 12:40	05/31/18 01:36	EPA 3050B	1,6010C	AB
Magnesium, Total	21100		mg/kg	8.46	1.30	2	05/30/18 12:40	05/31/18 01:36	EPA 3050B	1,6010C	AB
Manganese, Total	1050		mg/kg	0.846	0.134	2	05/30/18 12:40	05/31/18 01:36	EPA 3050B	1,6010C	AB
Mercury, Total	ND		mg/kg	0.068	0.014	1	05/30/18 07:50	05/31/18 15:38	EPA 7471B	1,7471B	BV
Nickel, Total	101		mg/kg	2.11	0.205	2	05/30/18 12:40	05/31/18 01:36	EPA 3050B	1,6010C	AB
Potassium, Total	17200		mg/kg	211	12.2	2	05/30/18 12:40	05/31/18 01:36	EPA 3050B	1,6010C	AB
Selenium, Total	1.53	J	mg/kg	1.69	0.218	2	05/30/18 12:40	05/31/18 01:36	EPA 3050B	1,6010C	AB
Silver, Total	ND		mg/kg	0.846	0.239	2	05/30/18 12:40	05/31/18 01:36	EPA 3050B	1,6010C	AB
Sodium, Total	358		mg/kg	169	2.66	2	05/30/18 12:40	05/31/18 01:36	EPA 3050B	1,6010C	AB
Thallium, Total	ND		mg/kg	1.69	0.266	2	05/30/18 12:40	05/31/18 01:36	EPA 3050B	1,6010C	AB
Vanadium, Total	87.4		mg/kg	0.846	0.172	2	05/30/18 12:40	05/31/18 01:36	EPA 3050B	1,6010C	AB
Zinc, Total	78.2		mg/kg	4.23	0.248	2	05/30/18 12:40	05/31/18 01:36	EPA 3050B	1,6010C	AB



Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-15

Date Collected: 05/23/18 14:07

Client ID: S1-N (0.5-1.5)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	17000		mg/kg	8.66	2.34	2	05/30/18 12:40	05/31/18 01:41	EPA 3050B	1,6010C	AB
Antimony, Total	0.364	J	mg/kg	4.33	0.329	2	05/30/18 12:40	05/31/18 01:41	EPA 3050B	1,6010C	AB
Arsenic, Total	ND		mg/kg	0.866	0.180	2	05/30/18 12:40	05/31/18 01:41	EPA 3050B	1,6010C	AB
Barium, Total	273		mg/kg	0.866	0.151	2	05/30/18 12:40	05/31/18 01:41	EPA 3050B	1,6010C	AB
Beryllium, Total	0.268	J	mg/kg	0.433	0.029	2	05/30/18 12:40	05/31/18 01:41	EPA 3050B	1,6010C	AB
Cadmium, Total	0.476	J	mg/kg	0.866	0.085	2	05/30/18 12:40	05/31/18 01:41	EPA 3050B	1,6010C	AB
Calcium, Total	4800		mg/kg	8.66	3.03	2	05/30/18 12:40	05/31/18 01:41	EPA 3050B	1,6010C	AB
Chromium, Total	65.1		mg/kg	0.866	0.083	2	05/30/18 12:40	05/31/18 01:41	EPA 3050B	1,6010C	AB
Cobalt, Total	17.8		mg/kg	1.73	0.144	2	05/30/18 12:40	05/31/18 01:41	EPA 3050B	1,6010C	AB
Copper, Total	42.6		mg/kg	0.866	0.224	2	05/30/18 12:40	05/31/18 01:41	EPA 3050B	1,6010C	AB
Iron, Total	23600		mg/kg	4.33	0.782	2	05/30/18 12:40	05/31/18 01:41	EPA 3050B	1,6010C	AB
Lead, Total	8.92		mg/kg	4.33	0.232	2	05/30/18 12:40	05/31/18 01:41	EPA 3050B	1,6010C	AB
Magnesium, Total	10800		mg/kg	8.66	1.33	2	05/30/18 12:40	05/31/18 01:41	EPA 3050B	1,6010C	AB
Manganese, Total	427		mg/kg	0.866	0.138	2	05/30/18 12:40	05/31/18 01:41	EPA 3050B	1,6010C	AB
Mercury, Total	ND		mg/kg	0.069	0.015	1	05/30/18 07:50	05/31/18 15:40	EPA 7471B	1,7471B	BV
Nickel, Total	57.1		mg/kg	2.17	0.210	2	05/30/18 12:40	05/31/18 01:41	EPA 3050B	1,6010C	AB
Potassium, Total	6980		mg/kg	217	12.5	2	05/30/18 12:40	05/31/18 01:41	EPA 3050B	1,6010C	AB
Selenium, Total	1.08	J	mg/kg	1.73	0.224	2	05/30/18 12:40	05/31/18 01:41	EPA 3050B	1,6010C	AB
Silver, Total	ND		mg/kg	0.866	0.245	2	05/30/18 12:40	05/31/18 01:41	EPA 3050B	1,6010C	AB
Sodium, Total	283		mg/kg	173	2.73	2	05/30/18 12:40	05/31/18 01:41	EPA 3050B	1,6010C	AB
Thallium, Total	ND		mg/kg	1.73	0.273	2	05/30/18 12:40	05/31/18 01:41	EPA 3050B	1,6010C	AB
Vanadium, Total	45.1		mg/kg	0.866	0.176	2	05/30/18 12:40	05/31/18 01:41	EPA 3050B	1,6010C	AB
Zinc, Total	42.9		mg/kg	4.33	0.254	2	05/30/18 12:40	05/31/18 01:41	EPA 3050B	1,6010C	AB



Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-16

Date Collected: 05/23/18 16:00

Client ID: FIELD BLANK

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.100	0.032	1	05/31/18 10:50	05/31/18 15:31	EPA 3005A	1,6010C	LC
Antimony, Total	0.031	J	mg/l	0.050	0.007	1	05/31/18 10:50	05/31/18 15:31	EPA 3005A	1,6010C	LC
Arsenic, Total	ND		mg/l	0.005	0.002	1	05/31/18 10:50	05/31/18 15:31	EPA 3005A	1,6010C	LC
Barium, Total	0.003	J	mg/l	0.010	0.002	1	05/31/18 10:50	05/31/18 15:31	EPA 3005A	1,6010C	LC
Beryllium, Total	ND		mg/l	0.005	0.001	1	05/31/18 10:50	05/31/18 15:31	EPA 3005A	1,6010C	LC
Cadmium, Total	ND		mg/l	0.005	0.001	1	05/31/18 10:50	05/31/18 15:31	EPA 3005A	1,6010C	LC
Calcium, Total	0.074	J	mg/l	0.100	0.035	1	05/31/18 10:50	05/31/18 15:31	EPA 3005A	1,6010C	LC
Chromium, Total	ND		mg/l	0.010	0.002	1	05/31/18 10:50	05/31/18 15:31	EPA 3005A	1,6010C	LC
Cobalt, Total	ND		mg/l	0.020	0.002	1	05/31/18 10:50	05/31/18 15:31	EPA 3005A	1,6010C	LC
Copper, Total	ND		mg/l	0.010	0.002	1	05/31/18 10:50	05/31/18 15:31	EPA 3005A	1,6010C	LC
Iron, Total	0.012	J	mg/l	0.050	0.009	1	05/31/18 10:50	05/31/18 15:31	EPA 3005A	1,6010C	LC
Lead, Total	ND		mg/l	0.010	0.003	1	05/31/18 10:50	05/31/18 15:31	EPA 3005A	1,6010C	LC
Magnesium, Total	ND		mg/l	0.100	0.015	1	05/31/18 10:50	05/31/18 15:31	EPA 3005A	1,6010C	LC
Manganese, Total	ND		mg/l	0.010	0.002	1	05/31/18 10:50	05/31/18 15:31	EPA 3005A	1,6010C	LC
Mercury, Total	ND		mg/l	0.00020	0.00006	1	05/25/18 10:36	05/29/18 21:14	EPA 7470A	1,7470A	EA
Nickel, Total	ND		mg/l	0.025	0.002	1	05/31/18 10:50	05/31/18 15:31	EPA 3005A	1,6010C	LC
Potassium, Total	ND		mg/l	2.50	0.237	1	05/31/18 10:50	05/31/18 15:31	EPA 3005A	1,6010C	LC
Selenium, Total	ND		mg/l	0.010	0.004	1	05/31/18 10:50	05/31/18 15:31	EPA 3005A	1,6010C	LC
Silver, Total	ND		mg/l	0.007	0.003	1	05/31/18 10:50	05/31/18 15:31	EPA 3005A	1,6010C	LC
Sodium, Total	ND		mg/l	2.00	0.120	1	05/31/18 10:50	05/31/18 15:31	EPA 3005A	1,6010C	LC
Thallium, Total	ND		mg/l	0.020	0.003	1	05/31/18 10:50	05/31/18 15:31	EPA 3005A	1,6010C	LC
Vanadium, Total	ND		mg/l	0.010	0.002	1	05/31/18 10:50	05/31/18 15:31	EPA 3005A	1,6010C	LC
Zinc, Total	ND		mg/l	0.050	0.002	1	05/31/18 10:50	05/31/18 15:31	EPA 3005A	1,6010C	LC



Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**SAMPLE RESULTS**

Lab ID: L1819157-18

Date Collected: 05/23/18 13:22

Client ID: S1-W (0-1)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4890		mg/kg	9.24	2.50	2	05/30/18 12:40	05/31/18 01:46	EPA 3050B	1,6010C	AB
Antimony, Total	0.573	J	mg/kg	4.62	0.351	2	05/30/18 12:40	05/31/18 01:46	EPA 3050B	1,6010C	AB
Arsenic, Total	5.44		mg/kg	0.924	0.192	2	05/30/18 12:40	05/31/18 01:46	EPA 3050B	1,6010C	AB
Barium, Total	190		mg/kg	0.924	0.161	2	05/30/18 12:40	05/31/18 01:46	EPA 3050B	1,6010C	AB
Beryllium, Total	0.370	J	mg/kg	0.462	0.031	2	05/30/18 12:40	05/31/18 01:46	EPA 3050B	1,6010C	AB
Cadmium, Total	0.472	J	mg/kg	0.924	0.091	2	05/30/18 12:40	05/31/18 01:46	EPA 3050B	1,6010C	AB
Calcium, Total	8120		mg/kg	9.24	3.24	2	05/30/18 12:40	05/31/18 01:46	EPA 3050B	1,6010C	AB
Chromium, Total	11.1		mg/kg	0.924	0.089	2	05/30/18 12:40	05/31/18 01:46	EPA 3050B	1,6010C	AB
Cobalt, Total	6.85		mg/kg	1.85	0.153	2	05/30/18 12:40	05/31/18 01:46	EPA 3050B	1,6010C	AB
Copper, Total	41.3		mg/kg	0.924	0.238	2	05/30/18 12:40	05/31/18 01:46	EPA 3050B	1,6010C	AB
Iron, Total	13000		mg/kg	4.62	0.835	2	05/30/18 12:40	05/31/18 01:46	EPA 3050B	1,6010C	AB
Lead, Total	56.6		mg/kg	4.62	0.248	2	05/30/18 12:40	05/31/18 01:46	EPA 3050B	1,6010C	AB
Magnesium, Total	3390		mg/kg	9.24	1.42	2	05/30/18 12:40	05/31/18 01:46	EPA 3050B	1,6010C	AB
Manganese, Total	149		mg/kg	0.924	0.147	2	05/30/18 12:40	05/31/18 01:46	EPA 3050B	1,6010C	AB
Mercury, Total	0.064	J	mg/kg	0.076	0.016	1	05/30/18 07:50	05/31/18 15:42	EPA 7471B	1,7471B	BV
Nickel, Total	15.7		mg/kg	2.31	0.224	2	05/30/18 12:40	05/31/18 01:46	EPA 3050B	1,6010C	AB
Potassium, Total	1570		mg/kg	231	13.3	2	05/30/18 12:40	05/31/18 01:46	EPA 3050B	1,6010C	AB
Selenium, Total	1.28	J	mg/kg	1.85	0.238	2	05/30/18 12:40	05/31/18 01:46	EPA 3050B	1,6010C	AB
Silver, Total	ND		mg/kg	0.924	0.262	2	05/30/18 12:40	05/31/18 01:46	EPA 3050B	1,6010C	AB
Sodium, Total	206		mg/kg	185	2.91	2	05/30/18 12:40	05/31/18 01:46	EPA 3050B	1,6010C	AB
Thallium, Total	0.324	J	mg/kg	1.85	0.291	2	05/30/18 12:40	05/31/18 01:46	EPA 3050B	1,6010C	AB
Vanadium, Total	36.8		mg/kg	0.924	0.188	2	05/30/18 12:40	05/31/18 01:46	EPA 3050B	1,6010C	AB
Zinc, Total	90.0		mg/kg	4.62	0.271	2	05/30/18 12:40	05/31/18 01:46	EPA 3050B	1,6010C	AB



Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

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): 16 Batch: WG1119542-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	05/25/18 10:36	05/29/18 20:52	1,7470A	EA

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-15,18 Batch: WG1120483-1										
Mercury, Total	ND		mg/kg	0.083	0.018	1	05/30/18 07:50	05/31/18 14:58	1,7471B	BV

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): 01-15,18 Batch: WG1120672-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	05/30/18 12:40	05/30/18 22:11	1,6010C	AB
Antimony, Total	ND		mg/kg	2.00	0.152	1	05/30/18 12:40	05/30/18 22:11	1,6010C	AB
Arsenic, Total	ND		mg/kg	0.400	0.083	1	05/30/18 12:40	05/30/18 22:11	1,6010C	AB
Barium, Total	ND		mg/kg	0.400	0.070	1	05/30/18 12:40	05/30/18 22:11	1,6010C	AB
Beryllium, Total	ND		mg/kg	0.200	0.013	1	05/30/18 12:40	05/30/18 22:11	1,6010C	AB
Cadmium, Total	ND		mg/kg	0.400	0.039	1	05/30/18 12:40	05/30/18 22:11	1,6010C	AB
Calcium, Total	ND		mg/kg	4.00	1.40	1	05/30/18 12:40	05/30/18 22:11	1,6010C	AB
Chromium, Total	ND		mg/kg	0.400	0.038	1	05/30/18 12:40	05/30/18 22:11	1,6010C	AB
Cobalt, Total	ND		mg/kg	0.800	0.066	1	05/30/18 12:40	05/30/18 22:11	1,6010C	AB
Copper, Total	ND		mg/kg	0.400	0.103	1	05/30/18 12:40	05/30/18 22:11	1,6010C	AB
Iron, Total	2.74		mg/kg	2.00	0.361	1	05/30/18 12:40	05/30/18 22:11	1,6010C	AB
Lead, Total	ND		mg/kg	2.00	0.107	1	05/30/18 12:40	05/30/18 22:11	1,6010C	AB
Magnesium, Total	ND		mg/kg	4.00	0.616	1	05/30/18 12:40	05/30/18 22:11	1,6010C	AB
Manganese, Total	ND		mg/kg	0.400	0.064	1	05/30/18 12:40	05/30/18 22:11	1,6010C	AB
Nickel, Total	ND		mg/kg	1.00	0.097	1	05/30/18 12:40	05/30/18 22:11	1,6010C	AB
Potassium, Total	ND		mg/kg	100	5.76	1	05/30/18 12:40	05/30/18 22:11	1,6010C	AB



Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

Method Blank Analysis Batch Quality Control

Selenium, Total	ND	mg/kg	0.800	0.103	1	05/30/18 12:40	05/30/18 22:11	1,6010C	AB
Silver, Total	ND	mg/kg	0.400	0.113	1	05/30/18 12:40	05/30/18 22:11	1,6010C	AB
Sodium, Total	ND	mg/kg	80.0	1.26	1	05/30/18 12:40	05/30/18 22:11	1,6010C	AB
Thallium, Total	ND	mg/kg	0.800	0.126	1	05/30/18 12:40	05/30/18 22:11	1,6010C	AB
Vanadium, Total	ND	mg/kg	0.400	0.081	1	05/30/18 12:40	05/30/18 22:11	1,6010C	AB
Zinc, Total	ND	mg/kg	2.00	0.117	1	05/30/18 12:40	05/30/18 22:11	1,6010C	AB

Prep Information

Digestion Method: EPA 3050B

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 16 Batch: WG1121011-1									
Aluminum, Total	ND	mg/l	0.100	0.032	1	05/31/18 10:50	05/31/18 14:57	1,6010C	LC
Antimony, Total	ND	mg/l	0.050	0.007	1	05/31/18 10:50	05/31/18 14:57	1,6010C	LC
Arsenic, Total	ND	mg/l	0.005	0.002	1	05/31/18 10:50	05/31/18 14:57	1,6010C	LC
Barium, Total	ND	mg/l	0.010	0.002	1	05/31/18 10:50	05/31/18 14:57	1,6010C	LC
Beryllium, Total	ND	mg/l	0.005	0.001	1	05/31/18 10:50	05/31/18 14:57	1,6010C	LC
Cadmium, Total	ND	mg/l	0.005	0.001	1	05/31/18 10:50	05/31/18 14:57	1,6010C	LC
Calcium, Total	ND	mg/l	0.100	0.035	1	05/31/18 10:50	05/31/18 14:57	1,6010C	LC
Chromium, Total	ND	mg/l	0.010	0.002	1	05/31/18 10:50	05/31/18 14:57	1,6010C	LC
Cobalt, Total	ND	mg/l	0.020	0.002	1	05/31/18 10:50	05/31/18 14:57	1,6010C	LC
Copper, Total	ND	mg/l	0.010	0.002	1	05/31/18 10:50	05/31/18 14:57	1,6010C	LC
Iron, Total	ND	mg/l	0.050	0.009	1	05/31/18 10:50	05/31/18 14:57	1,6010C	LC
Lead, Total	ND	mg/l	0.010	0.003	1	05/31/18 10:50	05/31/18 14:57	1,6010C	LC
Magnesium, Total	ND	mg/l	0.100	0.015	1	05/31/18 10:50	05/31/18 14:57	1,6010C	LC
Manganese, Total	ND	mg/l	0.010	0.002	1	05/31/18 10:50	05/31/18 14:57	1,6010C	LC
Nickel, Total	ND	mg/l	0.025	0.002	1	05/31/18 10:50	05/31/18 14:57	1,6010C	LC
Potassium, Total	ND	mg/l	2.50	0.237	1	05/31/18 10:50	05/31/18 14:57	1,6010C	LC
Selenium, Total	ND	mg/l	0.010	0.004	1	05/31/18 10:50	05/31/18 14:57	1,6010C	LC
Silver, Total	ND	mg/l	0.007	0.003	1	05/31/18 10:50	05/31/18 14:57	1,6010C	LC
Sodium, Total	ND	mg/l	2.00	0.120	1	05/31/18 10:50	05/31/18 14:57	1,6010C	LC
Thallium, Total	ND	mg/l	0.020	0.003	1	05/31/18 10:50	05/31/18 14:57	1,6010C	LC
Vanadium, Total	ND	mg/l	0.010	0.002	1	05/31/18 10:50	05/31/18 14:57	1,6010C	LC
Zinc, Total	ND	mg/l	0.050	0.002	1	05/31/18 10:50	05/31/18 14:57	1,6010C	LC

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2135 WESTCHESTER

Project Number: 2135 WESTCHESTER

Lab Number: L1819157

Report Date: 06/01/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 16 Batch: WG1119542-2								
Mercury, Total	87		-		80-120	-		
Total Metals - Mansfield Lab Associated sample(s): 01-15,18 Batch: WG1120483-2 SRM Lot Number: D098-540								
Mercury, Total	78		-		50-149	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-15,18 Batch: WG1120672-2 SRM Lot Number: D098-540					
Aluminum, Total	86	-	47-153	-	
Antimony, Total	163	-	6-194	-	
Arsenic, Total	103	-	83-117	-	
Barium, Total	100	-	82-118	-	
Beryllium, Total	102	-	83-117	-	
Cadmium, Total	98	-	82-117	-	
Calcium, Total	96	-	81-118	-	
Chromium, Total	102	-	83-119	-	
Cobalt, Total	97	-	84-116	-	
Copper, Total	102	-	84-116	-	
Iron, Total	115	-	60-140	-	
Lead, Total	104	-	82-117	-	
Magnesium, Total	96	-	76-124	-	
Manganese, Total	104	-	82-118	-	
Nickel, Total	96	-	82-117	-	
Potassium, Total	96	-	69-131	-	
Selenium, Total	103	-	78-121	-	
Silver, Total	105	-	80-120	-	
Sodium, Total	96	-	74-126	-	
Thallium, Total	103	-	80-119	-	
Vanadium, Total	105	-	79-121	-	

Lab Control Sample Analysis
Batch Quality Control**Project Name:** 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-15,18 Batch: WG1120672-2 SRM Lot Number: D098-540					
Zinc, Total	100	-	81-119	-	

Lab Control Sample Analysis Batch Quality Control

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 16 Batch: WG1121011-2					
Aluminum, Total	108	-	80-120	-	
Antimony, Total	92	-	80-120	-	
Arsenic, Total	112	-	80-120	-	
Barium, Total	102	-	80-120	-	
Beryllium, Total	98	-	80-120	-	
Cadmium, Total	105	-	80-120	-	
Calcium, Total	100	-	80-120	-	
Chromium, Total	97	-	80-120	-	
Cobalt, Total	100	-	80-120	-	
Copper, Total	98	-	80-120	-	
Iron, Total	108	-	80-120	-	
Lead, Total	107	-	80-120	-	
Magnesium, Total	102	-	80-120	-	
Manganese, Total	98	-	80-120	-	
Nickel, Total	99	-	80-120	-	
Potassium, Total	109	-	80-120	-	
Selenium, Total	112	-	80-120	-	
Silver, Total	97	-	80-120	-	
Sodium, Total	110	-	80-120	-	
Thallium, Total	108	-	80-120	-	
Vanadium, Total	102	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control**Project Name:** 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 16 Batch: WG1121011-2					
Zinc, Total	105	-	80-120	-	

Matrix Spike Analysis

Batch Quality Control

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
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Total Metals - Mansfield Lab Associated sample(s): 16 QC Batch ID: WG1119542-3 QC Sample: L1818962-01 Client ID: MS Sample

Mercury, Total	ND	0.005	0.00429	86		-	-		75-125	-		20
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Total Metals - Mansfield Lab Associated sample(s): 01-15,18 QC Batch ID: WG1120483-3 WG1120483-4 QC Sample: L1819157-11 Client ID: SB-4 (18-20)

Mercury, Total	ND	0.14	0.152	109		0.156	112		80-120	3		20
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Matrix Spike Analysis

Batch Quality Control

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

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): 01-15,18 QC Batch ID: WG1120672-3 WG1120672-4 QC Sample: L1819157-11 Client ID: SB-4 (18-20)											
Aluminum, Total	14800	168	14500	0	Q	14700	0	Q	75-125	1	20
Antimony, Total	ND	42	36.3	86		38.3	87		75-125	5	20
Arsenic, Total	ND	10.1	8.15	81		8.36	79		75-125	3	20
Barium, Total	208.	168	354	87		372	93		75-125	5	20
Beryllium, Total	0.322J	4.2	4.17	99		4.44	100		75-125	6	20
Cadmium, Total	0.593J	4.29	4.51	105		4.72	105		75-125	5	20
Calcium, Total	1210	840	1780	68	Q	1740	60	Q	75-125	2	20
Chromium, Total	24.2	16.8	37.1	77		38.3	80		75-125	3	20
Cobalt, Total	18.9	42	56.6	90		59.6	92		75-125	5	20
Copper, Total	4.42	21	23.1	89		24.2	90		75-125	5	20
Iron, Total	28900	84	26300	0	Q	25900	0	Q	75-125	2	20
Lead, Total	6.47	42.9	47.0	94		50.1	97		75-125	6	20
Magnesium, Total	7710	840	8050	40	Q	8340	71	Q	75-125	4	20
Manganese, Total	374.	42	348	0	Q	333	0	Q	75-125	4	20
Nickel, Total	21.5	42	58.2	87		61.4	90		75-125	5	20
Potassium, Total	11000	840	11100	12	Q	11500	56	Q	75-125	4	20
Selenium, Total	0.949J	10.1	10.4	103		11.2	106		75-125	7	20
Silver, Total	ND	25.2	24.0	95		25.7	97		75-125	7	20
Sodium, Total	121.J	840	926	110		981	111		75-125	6	20
Thallium, Total	ND	10.1	9.60	95		9.86	93		75-125	3	20
Vanadium, Total	37.9	42	73.6	85		76.9	88		75-125	4	20

Matrix Spike Analysis Batch Quality Control

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

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): 01-15,18 QC Batch ID: WG1120672-3 WG1120672-4 QC Sample: L1819157-11 Client ID: SB-4 (18-20)									
Zinc, Total	78.0	42	110	76	114	81	75-125	4	20

Matrix Spike Analysis **Batch Quality Control**

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

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): 16 QC Batch ID: WG1121011-3 QC Sample: L1819166-07 Client ID: MS Sample									
Aluminum, Total	ND	2	2.20	110	-	-	75-125	-	20
Antimony, Total	0.024J	0.5	0.515	103	-	-	75-125	-	20
Arsenic, Total	ND	0.12	0.136	113	-	-	75-125	-	20
Barium, Total	0.025	2	2.10	104	-	-	75-125	-	20
Beryllium, Total	ND	0.05	0.049	98	-	-	75-125	-	20
Cadmium, Total	ND	0.051	0.054	105	-	-	75-125	-	20
Calcium, Total	17.4	10	26.7	93	-	-	75-125	-	20
Chromium, Total	ND	0.2	0.196	98	-	-	75-125	-	20
Cobalt, Total	ND	0.5	0.502	100	-	-	75-125	-	20
Copper, Total	ND	0.25	0.249	100	-	-	75-125	-	20
Iron, Total	1.38	1	2.44	106	-	-	75-125	-	20
Lead, Total	ND	0.51	0.539	106	-	-	75-125	-	20
Magnesium, Total	8.13	10	17.5	94	-	-	75-125	-	20
Manganese, Total	0.093	0.5	0.580	97	-	-	75-125	-	20
Nickel, Total	ND	0.5	0.496	99	-	-	75-125	-	20
Potassium, Total	2.01J	10	13.0	130	Q	-	75-125	-	20
Selenium, Total	ND	0.12	0.138	115	-	-	75-125	-	20
Silver, Total	ND	0.05	0.048	96	-	-	75-125	-	20
Sodium, Total	5.66	10	16.5	108	-	-	75-125	-	20
Thallium, Total	ND	0.12	0.125	104	-	-	75-125	-	20
Vanadium, Total	ND	0.5	0.511	102	-	-	75-125	-	20

Matrix Spike Analysis

Batch Quality Control

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

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): 16 QC Batch ID: WG1121011-3 QC Sample: L1819166-07 Client ID: MS Sample									
Zinc, Total	ND	0.5	0.523	105	-	-	75-125	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 2135 WESTCHESTER

Project Number: 2135 WESTCHESTER

Lab Number: L1819157

Report Date: 06/01/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 16 QC Batch ID: WG1119542-4 QC Sample: L1818962-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20
Total Metals - Mansfield Lab Associated sample(s): 16 QC Batch ID: WG1121011-4 QC Sample: L1819166-07 Client ID: DUP Sample						
Antimony, Total	0.024J	0.018J	mg/l	NC		20
Arsenic, Total	ND	ND	mg/l	NC		20
Barium, Total	0.025	0.025	mg/l	1		20
Chromium, Total	ND	ND	mg/l	NC		20
Iron, Total	1.38	1.35	mg/l	2		20
Lead, Total	ND	0.003J	mg/l	NC		20
Manganese, Total	0.093	0.090	mg/l	3		20
Nickel, Total	ND	ND	mg/l	NC		20
Selenium, Total	ND	ND	mg/l	NC		20
Silver, Total	ND	ND	mg/l	NC		20

INORGANICS & MISCELLANEOUS

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-01

Date Collected: 05/23/18 09:55

Client ID: SB-5 (1-2)

Date Received: 05/24/18

Sample Location: BRONX, NY

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	86.7		%	0.100	NA	1	-	05/26/18 05:26	121,2540G	FN
Cyanide, Total	ND		mg/kg	1.1	0.23	1	05/26/18 10:59	05/29/18 13:40	1,9010C/9012B	ML
Chromium, Hexavalent	ND		mg/kg	0.923	0.184	1	05/25/18 21:40	05/29/18 22:30	1,7196A	AJ



Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-02

Date Collected: 05/23/18 10:00

Client ID: SB-5 (15-17)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.5		%	0.100	NA	1	-	05/26/18 05:26	121,2540G	FN
Cyanide, Total	ND		mg/kg	1.1	0.23	1	05/26/18 10:59	05/29/18 13:41	1,9010C/9012B	ML
Chromium, Hexavalent	ND		mg/kg	0.894	0.179	1	05/25/18 21:40	05/29/18 22:30	1,7196A	AJ



Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-03

Date Collected: 05/23/18 10:45

Client ID: SB-2 (1-5)

Date Received: 05/24/18

Sample Location: BRONX, NY

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	85.3		%	0.100	NA	1	-	05/26/18 05:26	121,2540G	FN
Cyanide, Total	ND		mg/kg	1.1	0.24	1	05/26/18 10:59	05/29/18 13:42	1,9010C/9012B	ML
Chromium, Hexavalent	ND		mg/kg	0.938	0.188	1	05/25/18 21:40	05/29/18 22:30	1,7196A	AJ



Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-04

Date Collected: 05/23/18 11:05

Client ID: SB-2 (13-14)

Date Received: 05/24/18

Sample Location: BRONX, NY

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	78.8		%	0.100	NA	1	-	05/26/18 05:26	121,2540G	FN
Cyanide, Total	ND		mg/kg	1.2	0.25	1	05/26/18 10:59	05/29/18 13:43	1,9010C/9012B	ML
Chromium, Hexavalent	ND		mg/kg	1.02	0.203	1	05/25/18 21:40	05/29/18 22:30	1,7196A	AJ



Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-05

Date Collected: 05/23/18 12:05

Client ID: SB-3 (15-16)

Date Received: 05/24/18

Sample Location: BRONX, NY

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	86.3		%	0.100	NA	1	-	05/26/18 05:26	121,2540G	FN
Cyanide, Total	ND		mg/kg	1.1	0.24	1	05/26/18 10:59	05/29/18 13:44	1,9010C/9012B	ML
Chromium, Hexavalent	ND		mg/kg	0.927	0.185	1	05/25/18 21:40	05/29/18 22:30	1,7196A	AJ



Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-06

Date Collected: 05/23/18 12:00

Client ID: SB-3 (1-5)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.2		%	0.100	NA	1	-	05/26/18 05:26	121,2540G	FN
Cyanide, Total	ND		mg/kg	1.2	0.25	1	05/26/18 10:59	05/29/18 13:45	1,9010C/9012B	ML
Chromium, Hexavalent	ND		mg/kg	0.950	0.190	1	05/25/18 21:40	05/29/18 22:30	1,7196A	AJ



Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-07

Date Collected: 05/23/18 14:05

Client ID: SB-1 (1-5)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.8		%	0.100	NA	1	-	05/26/18 05:26	121,2540G	FN
Cyanide, Total	ND		mg/kg	1.1	0.23	1	05/26/18 10:59	05/29/18 13:46	1,9010C/9012B	ML
Chromium, Hexavalent	ND		mg/kg	0.922	0.184	1	05/25/18 21:40	05/29/18 22:30	1,7196A	AJ



Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-08

Date Collected: 05/23/18 14:50

Client ID: SB-1 (20-21)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.9		%	0.100	NA	1	-	05/26/18 05:26	121,2540G	FN
Cyanide, Total	ND		mg/kg	1.2	0.25	1	05/26/18 10:59	05/29/18 13:47	1,9010C/9012B	ML
Chromium, Hexavalent	ND		mg/kg	0.977	0.195	1	05/25/18 21:40	05/29/18 22:30	1,7196A	AJ



Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-09

Date Collected: 05/23/18 14:55

Client ID: SB-1 (20-21) DUP

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.8		%	0.100	NA	1	-	05/26/18 05:26	121,2540G	FN
Cyanide, Total	ND		mg/kg	1.2	0.26	1	05/26/18 10:59	05/29/18 13:54	1,9010C/9012B	ML
Chromium, Hexavalent	ND		mg/kg	0.990	0.198	1	05/25/18 21:40	05/29/18 22:30	1,7196A	AJ



Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-10

Date Collected: 05/23/18 15:25

Client ID: SB-4 (0-5)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.4		%	0.100	NA	1	-	05/26/18 05:26	121,2540G	FN
Cyanide, Total	ND		mg/kg	1.1	0.23	1	05/26/18 10:59	05/29/18 13:55	1,9010C/9012B	ML
Chromium, Hexavalent	ND		mg/kg	0.905	0.181	1	05/25/18 21:40	05/29/18 22:30	1,7196A	AJ



Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-11

Date Collected: 05/23/18 15:50

Client ID: SB-4 (18-20)

Date Received: 05/24/18

Sample Location: BRONX, NY

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	90.0		%	0.100	NA	1	-	05/26/18 05:26	121,2540G	FN
Cyanide, Total	ND		mg/kg	1.1	0.22	1	05/26/18 10:59	05/29/18 13:56	1,9010C/9012B	ML
Chromium, Hexavalent	ND		mg/kg	0.889	0.178	1	05/25/18 21:40	05/29/18 22:30	1,7196A	AJ



Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-12

Date Collected: 05/23/18 13:36

Client ID: S1-S (0-0.5)

Date Received: 05/24/18

Sample Location: BRONX, NY

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	86.9		%	0.100	NA	1	-	05/26/18 05:26	121,2540G	FN
Cyanide, Total	ND		mg/kg	1.1	0.23	1	05/26/18 10:59	05/29/18 14:00	1,9010C/9012B	ML
Chromium, Hexavalent	ND		mg/kg	0.920	0.184	1	05/25/18 21:40	05/29/18 22:30	1,7196A	AJ



Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-13

Date Collected: 05/23/18 13:44

Client ID: S1-E (0-0.5)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.4		%	0.100	NA	1	-	05/26/18 05:26	121,2540G	FN
Cyanide, Total	ND		mg/kg	1.1	0.22	1	05/26/18 10:59	05/29/18 14:01	1,9010C/9012B	ML
Chromium, Hexavalent	ND		mg/kg	0.915	0.183	1	05/25/18 21:40	05/29/18 22:30	1,7196A	AJ



Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-14

Date Collected: 05/23/18 13:57

Client ID: S1-C (0.5-1)

Date Received: 05/24/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.3		%	0.100	NA	1	-	05/26/18 05:26	121,2540G	FN
Cyanide, Total	ND		mg/kg	1.0	0.22	1	05/26/18 10:59	05/29/18 14:04	1,9010C/9012B	ML
Chromium, Hexavalent	ND		mg/kg	0.857	0.171	1	05/25/18 21:40	05/29/18 22:30	1,7196A	AJ



Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-15

Date Collected: 05/23/18 14:07

Client ID: S1-N (0.5-1.5)

Date Received: 05/24/18

Sample Location: BRONX, NY

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	-	05/26/18 05:26	121,2540G	FN
Cyanide, Total	ND		mg/kg	1.0	0.21	1	05/26/18 10:59	05/29/18 14:05	1,9010C/9012B	ML
Chromium, Hexavalent	ND		mg/kg	0.873	0.175	1	05/25/18 21:40	05/29/18 22:30	1,7196A	AJ



Project Name: 2135 WESTCHESTER

Project Number: 2135 WESTCHESTER

Lab Number: L1819157

Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-16

Client ID: FIELD BLANK

Sample Location: BRONX, NY

Date Collected: 05/23/18 16:00

Date Received: 05/24/18

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	05/29/18 10:40	05/29/18 15:42	1,9010C/9012B	ML
Chromium, Hexavalent	0.007	J	mg/l	0.010	0.003	1	05/25/18 03:22	05/25/18 03:47	1,7196A	UN



Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

SAMPLE RESULTS

Lab ID: L1819157-18

Date Collected: 05/23/18 13:22

Client ID: S1-W (0-1)

Date Received: 05/24/18

Sample Location: BRONX, NY

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	85.5		%	0.100	NA	1	-	05/26/18 05:26	121,2540G	FN
Cyanide, Total	ND		mg/kg	1.1	0.23	1	05/26/18 10:59	05/29/18 14:06	1,9010C/9012B	ML
Chromium, Hexavalent	ND		mg/kg	0.936	0.187	1	05/25/18 21:40	05/29/18 22:30	1,7196A	AJ



Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 16 Batch: WG1119405-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	05/25/18 03:22	05/25/18 03:46	1,7196A	UN
General Chemistry - Westborough Lab for sample(s): 01-08 Batch: WG1119672-1										
Cyanide, Total	ND		mg/kg	0.93	0.20	1	05/26/18 10:59	05/29/18 13:26	1,9010C/9012B	ML
General Chemistry - Westborough Lab for sample(s): 09-15,18 Batch: WG1119679-1										
Cyanide, Total	ND		mg/kg	0.93	0.20	1	05/26/18 10:59	05/29/18 13:27	1,9010C/9012B	ML
General Chemistry - Westborough Lab for sample(s): 01-10 Batch: WG1120041-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	05/25/18 21:40	05/29/18 22:30	1,7196A	AJ
General Chemistry - Westborough Lab for sample(s): 11-15,18 Batch: WG1120042-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	05/25/18 21:40	05/29/18 22:30	1,7196A	AJ
General Chemistry - Westborough Lab for sample(s): 16 Batch: WG1120116-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	05/29/18 10:40	05/29/18 15:26	1,9010C/9012B	ML

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2135 WESTCHESTER

Project Number: 2135 WESTCHESTER

Lab Number: L1819157

Report Date: 06/01/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 16 Batch: WG1119405-2								
Chromium, Hexavalent	93		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-08 Batch: WG1119672-2 WG1119672-3								
Cyanide, Total	81		73	Q	80-120	9		35
General Chemistry - Westborough Lab Associated sample(s): 09-15,18 Batch: WG1119679-2 WG1119679-3								
Cyanide, Total	85		74	Q	80-120	15		35
General Chemistry - Westborough Lab Associated sample(s): 01-10 Batch: WG1120041-2								
Chromium, Hexavalent	95		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 11-15,18 Batch: WG1120042-2								
Chromium, Hexavalent	95		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 16 Batch: WG1120116-2 WG1120116-3								
Cyanide, Total	94		95		85-115	1		20

Matrix Spike Analysis

Batch Quality Control

Project Name: 2135 WESTCHESTER

Lab Number: L1819157

Project Number: 2135 WESTCHESTER

Report Date: 06/01/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 16 QC Batch ID: WG1119405-4 QC Sample: L1819157-16 Client ID: FIELD BLANK												
Chromium, Hexavalent	0.007J	0.1	0.099	99		-	-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1119672-4 WG1119672-5 QC Sample: L1819170-02 Client ID: MS Sample												
Cyanide, Total	ND	10	7.4	74	Q	10	96		75-125	30		35
General Chemistry - Westborough Lab Associated sample(s): 09-15,18 QC Batch ID: WG1119679-4 WG1119679-5 QC Sample: L1819157-11 Client ID: SB-4 (18-20)												
Cyanide, Total	ND	11	10	94		9.5	91		75-125	5		35
General Chemistry - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG1120041-4 QC Sample: L1819157-04 Client ID: SB-2 (13-14)												
Chromium, Hexavalent	ND	971	1060	109		-	-		75-125	-		20
General Chemistry - Westborough Lab Associated sample(s): 11-15,18 QC Batch ID: WG1120042-4 WG1120042-5 QC Sample: L1819157-11 Client ID: SB-4 (18-20)												
Chromium, Hexavalent	ND	890	663	74	Q	758	92		75-125	13		20
General Chemistry - Westborough Lab Associated sample(s): 16 QC Batch ID: WG1120116-4 WG1120116-5 QC Sample: L1819388-01 Client ID: MS Sample												
Cyanide, Total	ND	0.2	0.183	92		0.182	91		80-120	1		20

Lab Duplicate Analysis *Batch Quality Control*

Project Name: 2135 WESTCHESTER

Project Number: 2135 WESTCHESTER

Lab Number: L1819157

Report Date: 06/01/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 16 QC Batch ID: WG1119405-3 QC Sample: L1819157-16 Client ID: FIELD BLANK						
Chromium, Hexavalent	0.007J	0.006J	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-15,18 QC Batch ID: WG1119777-1 QC Sample: L1819157-11 Client ID: SB-4 (18-20)						
Solids, Total	90.0	88.6	%	2		20
General Chemistry - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG1120041-6 QC Sample: L1819157-04 Client ID: SB-2 (13-14)						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 11-15,18 QC Batch ID: WG1120042-7 QC Sample: L1819157-11 Client ID: SB-4 (18-20)						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20

Project Name: 2135 WESTCHESTER**Lab Number:** L1819157**Project Number:** 2135 WESTCHESTER**Report Date:** 06/01/18**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information**Cooler Custody Seal**

A	Absent
B	Absent
C	Absent
D	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1819157-01A	5 gram Encore Sampler	A	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1819157-01B	5 gram Encore Sampler	A	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1819157-01C	5 gram Encore Sampler	A	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1819157-01D	Plastic 2oz unpreserved for TS	A	NA		2.3	Y	Absent		TS(7)
L1819157-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.3	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)
L1819157-01F	Glass 120ml/4oz unpreserved	A	NA		2.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1819157-01G	Glass 120ml/4oz unpreserved	A	NA		2.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1819157-01X	Vial MeOH preserved split	A	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1819157-01Y	Vial Water preserved split	A	NA		2.3	Y	Absent	25-MAY-18 07:14	NYTCL-8260HLW(14)
L1819157-01Z	Vial Water preserved split	A	NA		2.3	Y	Absent	25-MAY-18 07:14	NYTCL-8260HLW(14)
L1819157-02A	5 gram Encore Sampler	A	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1819157-02B	5 gram Encore Sampler	A	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1819157-02C	5 gram Encore Sampler	A	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1819157-02D	Plastic 2oz unpreserved for TS	A	NA		2.3	Y	Absent		TS(7)

Project Name: 2135 WESTCHESTER
Project Number: 2135 WESTCHESTER

Serial_No:06011818:59
Lab Number: L1819157
Report Date: 06/01/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1819157-02E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.3	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)
L1819157-02F	Glass 120ml/4oz unpreserved	A	NA		2.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1819157-02G	Glass 500ml/16oz unpreserved	A	NA		2.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1819157-02X	Vial MeOH preserved split	A	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1819157-02Y	Vial Water preserved split	A	NA		2.3	Y	Absent	25-MAY-18 07:14	NYTCL-8260HLW(14)
L1819157-02Z	Vial Water preserved split	A	NA		2.3	Y	Absent	25-MAY-18 07:14	NYTCL-8260HLW(14)
L1819157-03A	5 gram Encore Sampler	A	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1819157-03B	5 gram Encore Sampler	A	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1819157-03C	5 gram Encore Sampler	A	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1819157-03D	Plastic 2oz unpreserved for TS	A	NA		2.3	Y	Absent		TS(7)
L1819157-03E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.3	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)
L1819157-03F	Glass 120ml/4oz unpreserved	A	NA		2.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1819157-03G	Glass 500ml/16oz unpreserved	A	NA		2.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1819157-03X	Vial MeOH preserved split	A	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1819157-03Y	Vial Water preserved split	A	NA		2.3	Y	Absent	25-MAY-18 07:14	NYTCL-8260HLW(14)
L1819157-03Z	Vial Water preserved split	A	NA		2.3	Y	Absent	25-MAY-18 07:14	NYTCL-8260HLW(14)
L1819157-04A	5 gram Encore Sampler	A	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1819157-04B	5 gram Encore Sampler	A	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1819157-04C	5 gram Encore Sampler	A	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1819157-04D	Plastic 2oz unpreserved for TS	A	NA		2.3	Y	Absent		TS(7)

Project Name: 2135 WESTCHESTER
Project Number: 2135 WESTCHESTER

Serial_No:06011818:59
Lab Number: L1819157
Report Date: 06/01/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1819157-04E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.3	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)
L1819157-04F	Glass 120ml/4oz unpreserved	A	NA		2.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1819157-04G	Glass 500ml/16oz unpreserved	A	NA		2.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1819157-04X	Vial MeOH preserved split	A	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1819157-04Y	Vial Water preserved split	A	NA		2.3	Y	Absent	25-MAY-18 07:14	NYTCL-8260HLW(14)
L1819157-04Z	Vial Water preserved split	A	NA		2.3	Y	Absent	25-MAY-18 07:14	NYTCL-8260HLW(14)
L1819157-05A	5 gram Encore Sampler	A	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1819157-05B	5 gram Encore Sampler	A	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1819157-05C	5 gram Encore Sampler	A	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1819157-05D	Plastic 2oz unpreserved for TS	A	NA		2.3	Y	Absent		TS(7)
L1819157-05E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.3	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)
L1819157-05F	Glass 120ml/4oz unpreserved	A	NA		2.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1819157-05G	Glass 500ml/16oz unpreserved	A	NA		2.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1819157-05X	Vial MeOH preserved split	A	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1819157-05Y	Vial Water preserved split	A	NA		2.3	Y	Absent	25-MAY-18 07:14	NYTCL-8260HLW(14)
L1819157-05Z	Vial Water preserved split	A	NA		2.3	Y	Absent	25-MAY-18 07:14	NYTCL-8260HLW(14)
L1819157-06A	5 gram Encore Sampler	A	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1819157-06B	5 gram Encore Sampler	A	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1819157-06C	5 gram Encore Sampler	A	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1819157-06D	Plastic 2oz unpreserved for TS	A	NA		2.3	Y	Absent		TS(7)

Project Name: 2135 WESTCHESTER
Project Number: 2135 WESTCHESTER

Serial_No:06011818:59
Lab Number: L1819157
Report Date: 06/01/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1819157-06E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.3	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)
L1819157-06F	Glass 120ml/4oz unpreserved	A	NA		2.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1819157-06G	Glass 500ml/16oz unpreserved	A	NA		2.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1819157-06X	Vial MeOH preserved split	A	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1819157-06Y	Vial Water preserved split	A	NA		2.3	Y	Absent	25-MAY-18 07:14	NYTCL-8260HLW(14)
L1819157-06Z	Vial Water preserved split	A	NA		2.3	Y	Absent	25-MAY-18 07:14	NYTCL-8260HLW(14)
L1819157-07A	5 gram Encore Sampler	B	NA		2.5	Y	Absent		NYTCL-8260HLW(14)
L1819157-07B	5 gram Encore Sampler	B	NA		2.5	Y	Absent		NYTCL-8260HLW(14)
L1819157-07C	5 gram Encore Sampler	B	NA		2.5	Y	Absent		NYTCL-8260HLW(14)
L1819157-07D	Plastic 2oz unpreserved for TS	B	NA		2.5	Y	Absent		TS(7)
L1819157-07E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.5	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),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)
L1819157-07F	Glass 120ml/4oz unpreserved	B	NA		2.5	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1819157-07G	Glass 500ml/16oz unpreserved	B	NA		2.5	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1819157-07X	Vial MeOH preserved split	B	NA		2.5	Y	Absent		NYTCL-8260HLW(14)
L1819157-07Y	Vial Water preserved split	B	NA		2.5	Y	Absent	25-MAY-18 09:55	NYTCL-8260HLW(14)
L1819157-07Z	Vial Water preserved split	B	NA		2.5	Y	Absent	25-MAY-18 09:55	NYTCL-8260HLW(14)
L1819157-08A	5 gram Encore Sampler	B	NA		2.5	Y	Absent		NYTCL-8260HLW(14)
L1819157-08B	5 gram Encore Sampler	B	NA		2.5	Y	Absent		NYTCL-8260HLW(14)
L1819157-08C	5 gram Encore Sampler	B	NA		2.5	Y	Absent		NYTCL-8260HLW(14)
L1819157-08D	Plastic 2oz unpreserved for TS	B	NA		2.5	Y	Absent		TS(7)

Project Name: 2135 WESTCHESTER
Project Number: 2135 WESTCHESTER

Serial_No:06011818:59
Lab Number: L1819157
Report Date: 06/01/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1819157-08E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.5	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),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)
L1819157-08F	Glass 120ml/4oz unpreserved	B	NA		2.5	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1819157-08G	Glass 500ml/16oz unpreserved	B	NA		2.5	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1819157-08X	Vial MeOH preserved split	B	NA		2.5	Y	Absent		NYTCL-8260HLW(14)
L1819157-08Y	Vial Water preserved split	B	NA		2.5	Y	Absent	25-MAY-18 09:55	NYTCL-8260HLW(14)
L1819157-08Z	Vial Water preserved split	B	NA		2.5	Y	Absent	25-MAY-18 09:55	NYTCL-8260HLW(14)
L1819157-09A	5 gram Encore Sampler	B	NA		2.5	Y	Absent		NYTCL-8260HLW(14)
L1819157-09B	5 gram Encore Sampler	B	NA		2.5	Y	Absent		NYTCL-8260HLW(14)
L1819157-09C	5 gram Encore Sampler	B	NA		2.5	Y	Absent		NYTCL-8260HLW(14)
L1819157-09D	Plastic 2oz unpreserved for TS	B	NA		2.5	Y	Absent		TS(7)
L1819157-09E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.5	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),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)
L1819157-09F	Glass 120ml/4oz unpreserved	B	NA		2.5	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1819157-09G	Glass 500ml/16oz unpreserved	B	NA		2.5	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1819157-09X	Vial MeOH preserved split	B	NA		2.5	Y	Absent		NYTCL-8260HLW(14)
L1819157-09Y	Vial Water preserved split	B	NA		2.5	Y	Absent	25-MAY-18 09:55	NYTCL-8260HLW(14)
L1819157-09Z	Vial Water preserved split	B	NA		2.5	Y	Absent	25-MAY-18 09:55	NYTCL-8260HLW(14)
L1819157-10A	5 gram Encore Sampler	C	NA		4.0	Y	Absent		NYTCL-8260HLW(14)
L1819157-10B	5 gram Encore Sampler	C	NA		4.0	Y	Absent		NYTCL-8260HLW(14)
L1819157-10C	5 gram Encore Sampler	C	NA		4.0	Y	Absent		NYTCL-8260HLW(14)
L1819157-10D	Plastic 2oz unpreserved for TS	C	NA		4.0	Y	Absent		TS(7)

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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1819157-10E	Metals Only-Glass 60mL/2oz unpreserved	C	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)
L1819157-10F	Glass 120ml/4oz unpreserved	C	NA		4.0	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1819157-10G	Glass 500ml/16oz unpreserved	C	NA		4.0	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1819157-10X	Vial MeOH preserved split	C	NA		4.0	Y	Absent		NYTCL-8260HLW(14)
L1819157-10Y	Vial Water preserved split	C	NA		4.0	Y	Absent	25-MAY-18 09:55	NYTCL-8260HLW(14)
L1819157-10Z	Vial Water preserved split	C	NA		4.0	Y	Absent	25-MAY-18 09:55	NYTCL-8260HLW(14)
L1819157-11A	5 gram Encore Sampler	B	NA		2.5	Y	Absent		NYTCL-8260HLW(14)
L1819157-11A1	5 gram Encore Sampler	B	NA		2.5	Y	Absent		NYTCL-8260HLW(14)
L1819157-11A2	5 gram Encore Sampler	B	NA		2.5	Y	Absent		NYTCL-8260HLW(14)
L1819157-11B	5 gram Encore Sampler	B	NA		2.5	Y	Absent		NYTCL-8260HLW(14)
L1819157-11B1	5 gram Encore Sampler	B	NA		2.5	Y	Absent		NYTCL-8260HLW(14)
L1819157-11B2	5 gram Encore Sampler	B	NA		2.5	Y	Absent		NYTCL-8260HLW(14)
L1819157-11C	5 gram Encore Sampler	B	NA		2.5	Y	Absent		NYTCL-8260HLW(14)
L1819157-11C1	5 gram Encore Sampler	B	NA		2.5	Y	Absent		NYTCL-8260HLW(14)
L1819157-11C2	5 gram Encore Sampler	B	NA		2.5	Y	Absent		NYTCL-8260HLW(14)
L1819157-11D	Plastic 2oz unpreserved for TS	B	NA		2.5	Y	Absent		TS(7)
L1819157-11D1	Plastic 2oz unpreserved for TS	B	NA		2.5	Y	Absent		TS(7)
L1819157-11D2	Plastic 2oz unpreserved for TS	B	NA		2.5	Y	Absent		TS(7)
L1819157-11E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.5	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),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)

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Container Information

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L1819157-11E1	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.5	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),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)
L1819157-11E2	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.5	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),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)
L1819157-11F	Glass 120ml/4oz unpreserved	B	NA		2.5	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1819157-11F1	Glass 120ml/4oz unpreserved	B	NA		2.5	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1819157-11F2	Glass 120ml/4oz unpreserved	B	NA		2.5	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1819157-11G	Glass 500ml/16oz unpreserved	B	NA		2.5	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1819157-11G1	Glass 500ml/16oz unpreserved	B	NA		2.5	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1819157-11G2	Glass 500ml/16oz unpreserved	B	NA		2.5	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1819157-11X	Vial MeOH preserved split	B	NA		2.5	Y	Absent		NYTCL-8260HLW(14)
L1819157-11X1	Vial MeOH preserved split	B	NA		2.5	Y	Absent		NYTCL-8260HLW(14)
L1819157-11X2	Vial MeOH preserved split	B	NA		2.5	Y	Absent		NYTCL-8260HLW(14)
L1819157-11Y	Vial Water preserved split	B	NA		2.5	Y	Absent	25-MAY-18 07:14	NYTCL-8260HLW(14)
L1819157-11Y1	Vial Water preserved split	B	NA		2.5	Y	Absent	25-MAY-18 07:14	NYTCL-8260HLW(14)
L1819157-11Y2	Vial Water preserved split	B	NA		2.5	Y	Absent	25-MAY-18 07:14	NYTCL-8260HLW(14)
L1819157-11Z	Vial Water preserved split	B	NA		2.5	Y	Absent	25-MAY-18 07:14	NYTCL-8260HLW(14)
L1819157-11Z1	Vial Water preserved split	B	NA		2.5	Y	Absent	25-MAY-18 07:14	NYTCL-8260HLW(14)
L1819157-11Z2	Vial Water preserved split	B	NA		2.5	Y	Absent	25-MAY-18 07:14	NYTCL-8260HLW(14)
L1819157-12A	5 gram Encore Sampler	C	NA		4.0	Y	Absent		NYTCL-8260HLW(14)
L1819157-12B	5 gram Encore Sampler	C	NA		4.0	Y	Absent		NYTCL-8260HLW(14)
L1819157-12C	5 gram Encore Sampler	C	NA		4.0	Y	Absent		NYTCL-8260HLW(14)

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L1819157-12D	Plastic 2oz unpreserved for TS	C	NA		4.0	Y	Absent		TS(7)
L1819157-12E	Metals Only-Glass 60mL/2oz unpreserved	C	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)
L1819157-12F	Glass 120ml/4oz unpreserved	C	NA		4.0	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1819157-12G	Glass 500ml/16oz unpreserved	C	NA		4.0	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1819157-12X	Vial MeOH preserved split	C	NA		4.0	Y	Absent		NYTCL-8260HLW(14)
L1819157-12Y	Vial Water preserved split	C	NA		4.0	Y	Absent	25-MAY-18 09:55	NYTCL-8260HLW(14)
L1819157-12Z	Vial Water preserved split	C	NA		4.0	Y	Absent	25-MAY-18 09:55	NYTCL-8260HLW(14)
L1819157-13A	5 gram Encore Sampler	C	NA		4.0	Y	Absent		NYTCL-8260HLW(14)
L1819157-13B	5 gram Encore Sampler	C	NA		4.0	Y	Absent		NYTCL-8260HLW(14)
L1819157-13C	5 gram Encore Sampler	C	NA		4.0	Y	Absent		NYTCL-8260HLW(14)
L1819157-13D	Plastic 2oz unpreserved for TS	C	NA		4.0	Y	Absent		TS(7)
L1819157-13E	Metals Only-Glass 60mL/2oz unpreserved	C	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)
L1819157-13F	Glass 120ml/4oz unpreserved	C	NA		4.0	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1819157-13G	Glass 500ml/16oz unpreserved	C	NA		4.0	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1819157-13X	Vial MeOH preserved split	C	NA		4.0	Y	Absent		NYTCL-8260HLW(14)
L1819157-13Y	Vial Water preserved split	C	NA		4.0	Y	Absent	25-MAY-18 09:55	NYTCL-8260HLW(14)
L1819157-13Z	Vial Water preserved split	C	NA		4.0	Y	Absent	25-MAY-18 09:55	NYTCL-8260HLW(14)
L1819157-14A	5 gram Encore Sampler	C	NA		4.0	Y	Absent		NYTCL-8260HLW(14)
L1819157-14B	5 gram Encore Sampler	C	NA		4.0	Y	Absent		NYTCL-8260HLW(14)
L1819157-14C	5 gram Encore Sampler	C	NA		4.0	Y	Absent		NYTCL-8260HLW(14)

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Container Information

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L1819157-14D	Plastic 2oz unpreserved for TS	C	NA		4.0	Y	Absent		TS(7)
L1819157-14E	Metals Only-Glass 60mL/2oz unpreserved	C	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)
L1819157-14F	Glass 120ml/4oz unpreserved	C	NA		4.0	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1819157-14G	Glass 500ml/16oz unpreserved	C	NA		4.0	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1819157-14X	Vial MeOH preserved split	C	NA		4.0	Y	Absent		NYTCL-8260HLW(14)
L1819157-14Y	Vial Water preserved split	C	NA		4.0	Y	Absent	25-MAY-18 09:55	NYTCL-8260HLW(14)
L1819157-14Z	Vial Water preserved split	C	NA		4.0	Y	Absent	25-MAY-18 09:55	NYTCL-8260HLW(14)
L1819157-15A	5 gram Encore Sampler	C	NA		4.0	Y	Absent		NYTCL-8260HLW(14)
L1819157-15B	5 gram Encore Sampler	C	NA		4.0	Y	Absent		NYTCL-8260HLW(14)
L1819157-15C	5 gram Encore Sampler	C	NA		4.0	Y	Absent		NYTCL-8260HLW(14)
L1819157-15D	Plastic 2oz unpreserved for TS	C	NA		4.0	Y	Absent		TS(7)
L1819157-15E	Metals Only-Glass 60mL/2oz unpreserved	C	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)
L1819157-15F	Glass 120ml/4oz unpreserved	C	NA		4.0	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1819157-15G	Glass 500ml/16oz unpreserved	C	NA		4.0	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1819157-15X	Vial MeOH preserved split	C	NA		4.0	Y	Absent		NYTCL-8260HLW(14)
L1819157-15Y	Vial Water preserved split	C	NA		4.0	Y	Absent	25-MAY-18 09:55	NYTCL-8260HLW(14)
L1819157-15Z	Vial Water preserved split	C	NA		4.0	Y	Absent	25-MAY-18 09:55	NYTCL-8260HLW(14)
L1819157-16A	Vial HCl preserved	D	NA		3.1	Y	Absent		NYTCL-8260(14)
L1819157-16B	Vial HCl preserved	D	NA		3.1	Y	Absent		NYTCL-8260(14)
L1819157-16C	Vial HCl preserved	D	NA		3.1	Y	Absent		NYTCL-8260(14)

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Container Information

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L1819157-16D	Plastic 250ml HNO3 preserved	D	<2	<2	3.1	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)
L1819157-16E	Plastic 250ml unpreserved	D	7	7	3.1	Y	Absent		HEXCR-7196(1)
L1819157-16F	Plastic 250ml NaOH preserved	D	>12	>12	3.1	Y	Absent		TCN-9010(14)
L1819157-16G	Amber 120ml unpreserved	D	7	7	3.1	Y	Absent		NYTCL-8081(7)
L1819157-16H	Amber 120ml unpreserved	D	7	7	3.1	Y	Absent		NYTCL-8081(7)
L1819157-16I	Amber 1000ml unpreserved	D	7	7	3.1	Y	Absent		NYTCL-8270(7)
L1819157-16J	Amber 1000ml unpreserved	D	7	7	3.1	Y	Absent		NYTCL-8270(7)
L1819157-16K	Amber 1000ml unpreserved	D	7	7	3.1	Y	Absent		HERB-APA(7)
L1819157-16L	Amber 1000ml unpreserved	D	7	7	3.1	Y	Absent		HERB-APA(7)
L1819157-16M	Amber 1000ml unpreserved	D	7	7	3.1	Y	Absent		NYTCL-8082-1200ML(7)
L1819157-16N	Amber 1000ml unpreserved	D	7	7	3.1	Y	Absent		NYTCL-8082-1200ML(7)
L1819157-17A	Vial HCl preserved	D	NA		3.1	Y	Absent		NYTCL-8260(14)
L1819157-17B	Vial HCl preserved	D	NA		3.1	Y	Absent		NYTCL-8260(14)
L1819157-18A	5 gram Encore Sampler	A	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1819157-18B	5 gram Encore Sampler	A	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1819157-18C	5 gram Encore Sampler	A	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1819157-18D	Plastic 2oz unpreserved for TS	A	NA		2.3	Y	Absent		TS(7)
L1819157-18E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.3	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)
L1819157-18F	Glass 120ml/4oz unpreserved	A	NA		2.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1819157-18G	Glass 500ml/16oz unpreserved	A	NA		2.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1819157-18X	Vial MeOH preserved split	A	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1819157-18Y	Vial Water preserved split	A	NA		2.3	Y	Absent	25-MAY-18 07:14	NYTCL-8260HLW(14)

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L1819157-18Z	Vial Water preserved split	A	NA		2.3	Y	Absent	25-MAY-18 07:14	NYTCL-8260HLW(14)

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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).
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.
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.

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

Report Format: DU Report with 'J' Qualifiers



Project Name: 2135 WESTCHESTER
Project Number: 2135 WESTCHESTER

Lab Number: L1819157
Report Date: 06/01/18

Data Qualifiers

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.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- 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.
- 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).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: 2135 WESTCHESTER
Project Number: 2135 WESTCHESTER

Lab Number: L1819157
Report Date: 06/01/18

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

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



Certification Information

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

Westborough Facility

EPA 624: 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 300: DW: Bromide

EPA 6860: SCM: Perchlorate

EPA 9010: NPW and SCM: Amenable Cyanide Distillation

SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; 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, **EPA 351.1, 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 624: Volatile Halocarbons & Aromatics,

EPA 608: 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: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water

EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, 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, Pb, Mn, Ni, Se, Ag, TL, Zn.

EPA 245.1 Hg.

SM2340B

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

 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193		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 5/24/18		ALPHA Job # 1819157			
Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288		Project Information Project Name: 2135 Westchester Project Location: Bronx Project # (Use Project name as Project #) ☒ Project Manager: Matt Carroll ALPHAQuote #: Turn-Around Time Standard ☒ Rush (only if pre approved) ☐ Due Date: # of Days:				Deliverables ☐ ASP-A ☒ ASP-B ☐ EQuIS (1 File) ☐ EQuIS (4 File) ☐ Other		Billing Information ☒ Same as Client Info PO #			
Client Information Client: Tenen Envi Address: Phone: Fax: Email: mcarroll@tenen-envi.com		Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge				Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☐ NY ☐ Other:					
These samples have been previously analyzed by Alpha ☐ Other project specific requirements/comments: Please specify Metals or TAL.						ANALYSIS VOC SVOC Hex CR Herb/Res/P/B Total Metals TS		Sample Filtration ☐ Done ☐ Lab to do Preservation ☐ Lab to do (Please Specify below)			
ALPHA Lab ID (Lab Use Only)		Sample ID		Collection Date Time		Sample Matrix		Sampler's Initials		Sample Specific Comments	
18157-01		SB-5(1-2)		5/23/18 0955		S		CZ		X X X X X X X X X X	
02		SB-5(13-17)		1000		1		1		X X X X X X X X X X	
03		SB-2(1-5)		1045		1		1		X X X X X X X X X X	
04		SB-2(13-14)		1105		1		1		X X X X X X X X X X	
05		SB-3(15-16)		1205		1		1		X X X X X X X X X X	
06		SB-3(1-5)		1200		1		1		X X X X X X X X X X	
07		SB-1(1-5)		1405		1		1		X X X X X X X X X X	
08		SB-1(20-21)		1450		1		1		X X X X X X X X X X	
09		SB-1(20-21) DUP		1455		1		1		X X X X X X X X X X	
10		SB-4(1-4)		1525		1		1		X X X X X X X X X X	
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other		Container Code: P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type Preservative		E A A A A P A A 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: George Wagner Daniel Santos AAL		Date/Time 5/24/18 1030 5/24/18 1830 5/24/18 2320		Received By: George Wagner Daniel Santos AAL Daniel Santos AAL		Date/Time 5/24/18 1050 5/24/18 1830 5/24/18 2320					

 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193 Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page 2 of 2		Date Rec'd In Lab 5/24/18		ALPHA Job # L1819157																																																																																																	
		Project Information Project Name: <u>2135 Westchester</u> Project Location: <u>Bra-x</u> Project # _____ (Use Project name as Project #) ☒ Project Manager: <u>Matt Carroll</u> ALPHAQuote #: _____ Turn-Around Time _____		Deliverables ☐ ASP-A ☒ ASP-B ☐ EQUIS (1 File) ☐ EQUIS (4 File) ☐ Other _____		Billing Information ☒ Same as Client Info PO # _____																																																																																																			
Client Information Client: <u>Tenen Envi</u> Address: _____ Phone: _____ Fax: _____ Email: <u>mcarroll@tenen-envi.com</u>		Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other _____ ☐ NY Unrestricted Use ☐ NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: _____ ☐ NJ ☐ NY ☐ Other: _____																																																																																																					
These samples have been previously analyzed by Alpha ☐ Other project specific requirements/comments: _____ Please specify Metals or TAL. _____		ANALYSIS <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>ALPHA Lab ID (Lab Use Only)</th> <th>Sample ID</th> <th>Collection Date</th> <th>Collection Time</th> <th>Sample Matrix</th> <th>Sampler's Initials</th> <th>NOV</th> <th>SVOC</th> <th>HexChl</th> <th>Herb/Pest/PCB</th> <th>Total Metals</th> <th>TS</th> <th></th> <th></th> </tr> <tr> <td>19157-11</td> <td>SI-B-4 (18-20)</td> <td>5/23/18</td> <td>1550</td> <td>S</td> <td>CZ</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>12</td> <td>SI-S (0-0.5)</td> <td rowspan="5">I</td> <td>1336</td> <td>I</td> <td rowspan="5">I</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>13</td> <td>SI-E (0-0.5)</td> <td>1344</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>14</td> <td>SI-C (0.5-1)</td> <td>1357</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>15</td> <td>SI-N (0.5-1.5)</td> <td>1407</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>16</td> <td>Field Blank</td> <td>1600</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>17</td> <td>Trip Blank</td> <td></td> <td></td> <td>W</td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> </tr> </table>		ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NOV	SVOC	HexChl	Herb/Pest/PCB	Total Metals	TS			19157-11	SI-B-4 (18-20)	5/23/18	1550	S	CZ	X	X	X	X	X	X			12	SI-S (0-0.5)	I	1336	I	I	X	X	X	X	X	X			13	SI-E (0-0.5)	1344	X	X	X	X	X	X			14	SI-C (0.5-1)	1357	X	X	X	X	X	X			15	SI-N (0.5-1.5)	1407	X	X	X	X	X	X			16	Field Blank	1600	X	X	X	X	X	X			17	Trip Blank			W		X	X	X	X	X	X			Sample Filtration ☐ Done ☐ Lab to do Preservation ☐ Lab to do (Please Specify below) _____ Sample Specific Comments _____	
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NOV	SVOC	HexChl	Herb/Pest/PCB	Total Metals	TS																																																																																														
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Relinquished By: <u>George Wagner</u> <u>Daniel Santos</u>		Date/Time: <u>5/24/18 1030</u> <u>5/24/18 1830</u> <u>5/24/18 2320</u>		Received By: <u>George Wagner</u> <u>Daniel Santos</u> <u>George Wagner</u>		Date/Time: <u>5/24/18 1050</u> <u>5/24/18 1830</u> <u>5/24/18 2320</u>		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.)																																																																																																	



ANALYTICAL REPORT

Lab Number:	L1826620
Client:	Tenen Environmental, LLC 121 West 27th Street Suite 702 New York City, NY 10001
ATTN:	Matt Carroll
Phone:	(646) 606-2332
Project Name:	2135 WESTCHESTER
Project Number:	2133 WESTCHESTER
Report Date:	07/19/18

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: 2135 WESTCHESTER
Project Number: 2133 WESTCHESTER

Lab Number: L1826620
Report Date: 07/19/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1826620-01	SV-1	SOIL_VAPOR	BRONX	07/12/18 15:08	07/12/18
L1826620-02	SV-2	SOIL_VAPOR	BRONX	07/12/18 15:29	07/12/18
L1826620-03	SV-4	SOIL_VAPOR	BRONX	07/12/18 15:12	07/12/18
L1826620-04	SV-3	SOIL_VAPOR	BRONX	07/12/18 15:45	07/12/18
L1826620-05	SV-5	SOIL_VAPOR	BRONX	07/12/18 15:48	07/12/18
L1826620-06	SV-6	SOIL_VAPOR	BRONX	07/12/18 16:00	07/12/18
L1826620-07	SV-7	SOIL_VAPOR	BRONX	07/12/18 16:03	07/12/18
L1826620-08	SS-2	SOIL_VAPOR	BRONX	07/12/18 15:06	07/12/18
L1826620-09	IA-2	AIR	BRONX	07/12/18 14:50	07/12/18
L1826620-10	AMBIENT	AIR	BRONX	07/12/18 14:46	07/12/18

Project Name: 2135 WESTCHESTER
Project Number: 2133 WESTCHESTER

Lab Number: L1826620
Report Date: 07/19/18

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. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated 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.

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 table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

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 Client Service Representative 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 Client Services at 800-624-9220 with any questions.

Project Name: 2135 WESTCHESTER
Project Number: 2133 WESTCHESTER

Lab Number: L1826620
Report Date: 07/19/18

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on July 12, 2018. The canister certification results are provided as an addendum.

L1826620-01 through -08: The samples have elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in these samples.

L1826620-09 and -10 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: 07/19/18

AIR

Project Name: 2135 WESTCHESTER**Project Number:** 2133 WESTCHESTER**Lab Number:** L1826620**Report Date:** 07/19/18**SAMPLE RESULTS**

Lab ID: L1826620-01 D

Client ID: SV-1

Sample Location: BRONX

Date Collected: 07/12/18 15:08

Date Received: 07/12/18

Field Prep: Not Specified

Sample Depth:

Matrix: Soil_Vapor

Analytical Method: 48,TO-15

Analytical Date: 07/16/18 21:45

Analyst: GJ

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.414	0.400	--	2.05	1.98	--		2
Chloromethane	1.75	0.400	--	3.61	0.826	--		2
Freon-114	ND	0.400	--	ND	2.80	--		2
Vinyl chloride	ND	0.400	--	ND	1.02	--		2
1,3-Butadiene	ND	0.400	--	ND	0.885	--		2
Bromomethane	ND	0.400	--	ND	1.55	--		2
Chloroethane	ND	0.400	--	ND	1.06	--		2
Ethanol	166	10.0	--	313	18.8	--		2
Vinyl bromide	ND	0.400	--	ND	1.75	--		2
Acetone	330	2.00	--	784	4.75	--		2
Trichlorofluoromethane	ND	0.400	--	ND	2.25	--		2
Isopropanol	6.08	1.00	--	14.9	2.46	--		2
1,1-Dichloroethene	ND	0.400	--	ND	1.59	--		2
Tertiary butyl Alcohol	32.4	1.00	--	98.2	3.03	--		2
Methylene chloride	ND	1.00	--	ND	3.47	--		2
3-Chloropropene	ND	0.400	--	ND	1.25	--		2
Carbon disulfide	3.72	0.400	--	11.6	1.25	--		2
Freon-113	ND	0.400	--	ND	3.07	--		2
trans-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--		2
1,1-Dichloroethane	ND	0.400	--	ND	1.62	--		2
Methyl tert butyl ether	ND	0.400	--	ND	1.44	--		2
2-Butanone	34.6	1.00	--	102	2.95	--		2
cis-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--		2



Project Name: 2135 WESTCHESTER**Lab Number:** L1826620**Project Number:** 2133 WESTCHESTER**Report Date:** 07/19/18**SAMPLE RESULTS**

Lab ID: L1826620-01 D

Client ID: SV-1

Sample Location: BRONX

Date Collected: 07/12/18 15:08

Date Received: 07/12/18

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	1.00	--	ND	3.60	--		2
Chloroform	ND	0.400	--	ND	1.95	--		2
Tetrahydrofuran	ND	1.00	--	ND	2.95	--		2
1,2-Dichloroethane	ND	0.400	--	ND	1.62	--		2
n-Hexane	0.650	0.400	--	2.29	1.41	--		2
1,1,1-Trichloroethane	ND	0.400	--	ND	2.18	--		2
Benzene	5.05	0.400	--	16.1	1.28	--		2
Carbon tetrachloride	ND	0.400	--	ND	2.52	--		2
Cyclohexane	ND	0.400	--	ND	1.38	--		2
1,2-Dichloropropane	ND	0.400	--	ND	1.85	--		2
Bromodichloromethane	ND	0.400	--	ND	2.68	--		2
1,4-Dioxane	ND	0.400	--	ND	1.44	--		2
Trichloroethene	0.566	0.400	--	3.04	2.15	--		2
2,2,4-Trimethylpentane	ND	0.400	--	ND	1.87	--		2
Heptane	0.614	0.400	--	2.52	1.64	--		2
cis-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--		2
4-Methyl-2-pentanone	1.02	1.00	--	4.18	4.10	--		2
trans-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--		2
1,1,2-Trichloroethane	ND	0.400	--	ND	2.18	--		2
Toluene	1.25	0.400	--	4.71	1.51	--		2
2-Hexanone	4.65	0.400	--	19.1	1.64	--		2
Dibromochloromethane	ND	0.400	--	ND	3.41	--		2
1,2-Dibromoethane	ND	0.400	--	ND	3.07	--		2
Tetrachloroethene	ND	0.400	--	ND	2.71	--		2
Chlorobenzene	ND	0.400	--	ND	1.84	--		2
Ethylbenzene	ND	0.400	--	ND	1.74	--		2



Project Name: 2135 WESTCHESTER**Lab Number:** L1826620**Project Number:** 2133 WESTCHESTER**Report Date:** 07/19/18**SAMPLE RESULTS**

Lab ID: L1826620-01 D

Client ID: SV-1

Sample Location: BRONX

Date Collected: 07/12/18 15:08

Date Received: 07/12/18

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	0.800	--	ND	3.47	--		2
Bromoform	ND	0.400	--	ND	4.14	--		2
Styrene	ND	0.400	--	ND	1.70	--		2
1,1,2,2-Tetrachloroethane	ND	0.400	--	ND	2.75	--		2
o-Xylene	ND	0.400	--	ND	1.74	--		2
4-Ethyltoluene	ND	0.400	--	ND	1.97	--		2
1,3,5-Trimethylbenzene	ND	0.400	--	ND	1.97	--		2
1,2,4-Trimethylbenzene	ND	0.400	--	ND	1.97	--		2
Benzyl chloride	ND	0.400	--	ND	2.07	--		2
1,3-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,4-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,2-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,2,4-Trichlorobenzene	ND	0.400	--	ND	2.97	--		2
Hexachlorobutadiene	ND	0.400	--	ND	4.27	--		2

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	85		60-140
chlorobenzene-d5	89		60-140



Project Name: 2135 WESTCHESTER**Project Number:** 2133 WESTCHESTER**Lab Number:** L1826620**Report Date:** 07/19/18**SAMPLE RESULTS**

Lab ID: L1826620-02 D

Client ID: SV-2

Sample Location: BRONX

Date Collected: 07/12/18 15:29

Date Received: 07/12/18

Field Prep: Not Specified

Sample Depth:

Matrix: Soil_Vapor

Analytical Method: 48,TO-15

Analytical Date: 07/16/18 22:20

Analyst: GJ

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	1.00	--	ND	4.94	--		5
Chloromethane	ND	1.00	--	ND	2.07	--		5
Freon-114	ND	1.00	--	ND	6.99	--		5
Vinyl chloride	ND	1.00	--	ND	2.56	--		5
1,3-Butadiene	ND	1.00	--	ND	2.21	--		5
Bromomethane	ND	1.00	--	ND	3.88	--		5
Chloroethane	ND	1.00	--	ND	2.64	--		5
Ethanol	233	25.0	--	439	47.1	--		5
Vinyl bromide	ND	1.00	--	ND	4.37	--		5
Acetone	146	5.00	--	347	11.9	--		5
Trichlorofluoromethane	ND	1.00	--	ND	5.62	--		5
Isopropanol	3.08	2.50	--	7.57	6.15	--		5
1,1-Dichloroethene	ND	1.00	--	ND	3.96	--		5
Tertiary butyl Alcohol	13.2	2.50	--	40.0	7.58	--		5
Methylene chloride	ND	2.50	--	ND	8.69	--		5
3-Chloropropene	ND	1.00	--	ND	3.13	--		5
Carbon disulfide	1.52	1.00	--	4.73	3.11	--		5
Freon-113	ND	1.00	--	ND	7.66	--		5
trans-1,2-Dichloroethene	ND	1.00	--	ND	3.96	--		5
1,1-Dichloroethane	ND	1.00	--	ND	4.05	--		5
Methyl tert butyl ether	ND	1.00	--	ND	3.61	--		5
2-Butanone	68.6	2.50	--	202	7.37	--		5
cis-1,2-Dichloroethene	ND	1.00	--	ND	3.96	--		5



Project Name: 2135 WESTCHESTER**Lab Number:** L1826620**Project Number:** 2133 WESTCHESTER**Report Date:** 07/19/18**SAMPLE RESULTS**

Lab ID: L1826620-02 D

Client ID: SV-2

Sample Location: BRONX

Date Collected: 07/12/18 15:29

Date Received: 07/12/18

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	2.50	--	ND	9.01	--		5
Chloroform	ND	1.00	--	ND	4.88	--		5
Tetrahydrofuran	ND	2.50	--	ND	7.37	--		5
1,2-Dichloroethane	ND	1.00	--	ND	4.05	--		5
n-Hexane	ND	1.00	--	ND	3.52	--		5
1,1,1-Trichloroethane	ND	1.00	--	ND	5.46	--		5
Benzene	3.04	1.00	--	9.71	3.19	--		5
Carbon tetrachloride	ND	1.00	--	ND	6.29	--		5
Cyclohexane	ND	1.00	--	ND	3.44	--		5
1,2-Dichloropropane	ND	1.00	--	ND	4.62	--		5
Bromodichloromethane	ND	1.00	--	ND	6.70	--		5
1,4-Dioxane	ND	1.00	--	ND	3.60	--		5
Trichloroethene	ND	1.00	--	ND	5.37	--		5
2,2,4-Trimethylpentane	ND	1.00	--	ND	4.67	--		5
Heptane	ND	1.00	--	ND	4.10	--		5
cis-1,3-Dichloropropene	ND	1.00	--	ND	4.54	--		5
4-Methyl-2-pentanone	ND	2.50	--	ND	10.2	--		5
trans-1,3-Dichloropropene	ND	1.00	--	ND	4.54	--		5
1,1,2-Trichloroethane	ND	1.00	--	ND	5.46	--		5
Toluene	1.08	1.00	--	4.07	3.77	--		5
2-Hexanone	3.15	1.00	--	12.9	4.10	--		5
Dibromochloromethane	ND	1.00	--	ND	8.52	--		5
1,2-Dibromoethane	ND	1.00	--	ND	7.69	--		5
Tetrachloroethene	ND	1.00	--	ND	6.78	--		5
Chlorobenzene	ND	1.00	--	ND	4.61	--		5
Ethylbenzene	ND	1.00	--	ND	4.34	--		5



Project Name: 2135 WESTCHESTER**Lab Number:** L1826620**Project Number:** 2133 WESTCHESTER**Report Date:** 07/19/18**SAMPLE RESULTS**

Lab ID: L1826620-02 D

Client ID: SV-2

Sample Location: BRONX

Date Collected: 07/12/18 15:29

Date Received: 07/12/18

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	2.00	--	ND	8.69	--		5
Bromoform	ND	1.00	--	ND	10.3	--		5
Styrene	ND	1.00	--	ND	4.26	--		5
1,1,2,2-Tetrachloroethane	ND	1.00	--	ND	6.87	--		5
o-Xylene	ND	1.00	--	ND	4.34	--		5
4-Ethyltoluene	ND	1.00	--	ND	4.92	--		5
1,3,5-Trimethylbenzene	ND	1.00	--	ND	4.92	--		5
1,2,4-Trimethylbenzene	ND	1.00	--	ND	4.92	--		5
Benzyl chloride	ND	1.00	--	ND	5.18	--		5
1,3-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,4-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,2-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,2,4-Trichlorobenzene	ND	1.00	--	ND	7.42	--		5
Hexachlorobutadiene	ND	1.00	--	ND	10.7	--		5

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	85		60-140
Bromochloromethane	82		60-140
chlorobenzene-d5	84		60-140



Project Name: 2135 WESTCHESTER**Project Number:** 2133 WESTCHESTER**Lab Number:** L1826620**Report Date:** 07/19/18**SAMPLE RESULTS**

Lab ID: L1826620-03 D

Client ID: SV-4

Sample Location: BRONX

Date Collected: 07/12/18 15:12

Date Received: 07/12/18

Field Prep: Not Specified

Sample Depth:

Matrix: Soil_Vapor

Analytical Method: 48,TO-15

Analytical Date: 07/16/18 22:55

Analyst: GJ

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	1.00	--	ND	4.94	--		5
Chloromethane	ND	1.00	--	ND	2.07	--		5
Freon-114	ND	1.00	--	ND	6.99	--		5
Vinyl chloride	ND	1.00	--	ND	2.56	--		5
1,3-Butadiene	ND	1.00	--	ND	2.21	--		5
Bromomethane	ND	1.00	--	ND	3.88	--		5
Chloroethane	ND	1.00	--	ND	2.64	--		5
Ethanol	34.8	25.0	--	65.6	47.1	--		5
Vinyl bromide	ND	1.00	--	ND	4.37	--		5
Acetone	100	5.00	--	238	11.9	--		5
Trichlorofluoromethane	ND	1.00	--	ND	5.62	--		5
Isopropanol	ND	2.50	--	ND	6.15	--		5
1,1-Dichloroethene	ND	1.00	--	ND	3.96	--		5
Tertiary butyl Alcohol	8.14	2.50	--	24.7	7.58	--		5
Methylene chloride	ND	2.50	--	ND	8.69	--		5
3-Chloropropene	ND	1.00	--	ND	3.13	--		5
Carbon disulfide	ND	1.00	--	ND	3.11	--		5
Freon-113	ND	1.00	--	ND	7.66	--		5
trans-1,2-Dichloroethene	ND	1.00	--	ND	3.96	--		5
1,1-Dichloroethane	ND	1.00	--	ND	4.05	--		5
Methyl tert butyl ether	ND	1.00	--	ND	3.61	--		5
2-Butanone	46.4	2.50	--	137	7.37	--		5
cis-1,2-Dichloroethene	ND	1.00	--	ND	3.96	--		5



Project Name: 2135 WESTCHESTER**Lab Number:** L1826620**Project Number:** 2133 WESTCHESTER**Report Date:** 07/19/18**SAMPLE RESULTS**

Lab ID: L1826620-03 D

Client ID: SV-4

Sample Location: BRONX

Date Collected: 07/12/18 15:12

Date Received: 07/12/18

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	2.50	--	ND	9.01	--		5
Chloroform	ND	1.00	--	ND	4.88	--		5
Tetrahydrofuran	ND	2.50	--	ND	7.37	--		5
1,2-Dichloroethane	ND	1.00	--	ND	4.05	--		5
n-Hexane	ND	1.00	--	ND	3.52	--		5
1,1,1-Trichloroethane	ND	1.00	--	ND	5.46	--		5
Benzene	2.03	1.00	--	6.49	3.19	--		5
Carbon tetrachloride	ND	1.00	--	ND	6.29	--		5
Cyclohexane	ND	1.00	--	ND	3.44	--		5
1,2-Dichloropropane	ND	1.00	--	ND	4.62	--		5
Bromodichloromethane	ND	1.00	--	ND	6.70	--		5
1,4-Dioxane	ND	1.00	--	ND	3.60	--		5
Trichloroethene	ND	1.00	--	ND	5.37	--		5
2,2,4-Trimethylpentane	ND	1.00	--	ND	4.67	--		5
Heptane	ND	1.00	--	ND	4.10	--		5
cis-1,3-Dichloropropene	ND	1.00	--	ND	4.54	--		5
4-Methyl-2-pentanone	ND	2.50	--	ND	10.2	--		5
trans-1,3-Dichloropropene	ND	1.00	--	ND	4.54	--		5
1,1,2-Trichloroethane	ND	1.00	--	ND	5.46	--		5
Toluene	ND	1.00	--	ND	3.77	--		5
2-Hexanone	2.92	1.00	--	12.0	4.10	--		5
Dibromochloromethane	ND	1.00	--	ND	8.52	--		5
1,2-Dibromoethane	ND	1.00	--	ND	7.69	--		5
Tetrachloroethene	ND	1.00	--	ND	6.78	--		5
Chlorobenzene	ND	1.00	--	ND	4.61	--		5
Ethylbenzene	ND	1.00	--	ND	4.34	--		5



Project Name: 2135 WESTCHESTER**Lab Number:** L1826620**Project Number:** 2133 WESTCHESTER**Report Date:** 07/19/18**SAMPLE RESULTS**

Lab ID: L1826620-03 D

Client ID: SV-4

Sample Location: BRONX

Date Collected: 07/12/18 15:12

Date Received: 07/12/18

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	2.00	--	ND	8.69	--		5
Bromoform	ND	1.00	--	ND	10.3	--		5
Styrene	ND	1.00	--	ND	4.26	--		5
1,1,2,2-Tetrachloroethane	ND	1.00	--	ND	6.87	--		5
o-Xylene	ND	1.00	--	ND	4.34	--		5
4-Ethyltoluene	ND	1.00	--	ND	4.92	--		5
1,3,5-Trimethylbenzene	ND	1.00	--	ND	4.92	--		5
1,2,4-Trimethylbenzene	ND	1.00	--	ND	4.92	--		5
Benzyl chloride	ND	1.00	--	ND	5.18	--		5
1,3-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,4-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,2-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,2,4-Trichlorobenzene	ND	1.00	--	ND	7.42	--		5
Hexachlorobutadiene	ND	1.00	--	ND	10.7	--		5

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	88		60-140
chlorobenzene-d5	87		60-140



Project Name: 2135 WESTCHESTER**Project Number:** 2133 WESTCHESTER**Lab Number:** L1826620**Report Date:** 07/19/18**SAMPLE RESULTS**

Lab ID: L1826620-04 D

Client ID: SV-3

Sample Location: BRONX

Date Collected: 07/12/18 15:45

Date Received: 07/12/18

Field Prep: Not Specified

Sample Depth:

Matrix: Soil_Vapor

Analytical Method: 48,TO-15

Analytical Date: 07/16/18 23:30

Analyst: GJ

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	1.00	--	ND	4.94	--		5
Chloromethane	5.68	1.00	--	11.7	2.07	--		5
Freon-114	ND	1.00	--	ND	6.99	--		5
Vinyl chloride	ND	1.00	--	ND	2.56	--		5
1,3-Butadiene	ND	1.00	--	ND	2.21	--		5
Bromomethane	ND	1.00	--	ND	3.88	--		5
Chloroethane	ND	1.00	--	ND	2.64	--		5
Ethanol	302	25.0	--	569	47.1	--		5
Vinyl bromide	ND	1.00	--	ND	4.37	--		5
Acetone	516	5.00	--	1230	11.9	--		5
Trichlorofluoromethane	ND	1.00	--	ND	5.62	--		5
Isopropanol	9.12	2.50	--	22.4	6.15	--		5
1,1-Dichloroethene	ND	1.00	--	ND	3.96	--		5
Tertiary butyl Alcohol	30.3	2.50	--	91.9	7.58	--		5
Methylene chloride	ND	2.50	--	ND	8.69	--		5
3-Chloropropene	ND	1.00	--	ND	3.13	--		5
Carbon disulfide	2.92	1.00	--	9.09	3.11	--		5
Freon-113	ND	1.00	--	ND	7.66	--		5
trans-1,2-Dichloroethene	ND	1.00	--	ND	3.96	--		5
1,1-Dichloroethane	ND	1.00	--	ND	4.05	--		5
Methyl tert butyl ether	ND	1.00	--	ND	3.61	--		5
2-Butanone	35.9	2.50	--	106	7.37	--		5
cis-1,2-Dichloroethene	ND	1.00	--	ND	3.96	--		5



Project Name: 2135 WESTCHESTER**Lab Number:** L1826620**Project Number:** 2133 WESTCHESTER**Report Date:** 07/19/18**SAMPLE RESULTS**

Lab ID: L1826620-04 D

Client ID: SV-3

Sample Location: BRONX

Date Collected: 07/12/18 15:45

Date Received: 07/12/18

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	2.50	--	ND	9.01	--		5
Chloroform	1.72	1.00	--	8.40	4.88	--		5
Tetrahydrofuran	ND	2.50	--	ND	7.37	--		5
1,2-Dichloroethane	ND	1.00	--	ND	4.05	--		5
n-Hexane	ND	1.00	--	ND	3.52	--		5
1,1,1-Trichloroethane	ND	1.00	--	ND	5.46	--		5
Benzene	2.80	1.00	--	8.95	3.19	--		5
Carbon tetrachloride	ND	1.00	--	ND	6.29	--		5
Cyclohexane	ND	1.00	--	ND	3.44	--		5
1,2-Dichloropropane	ND	1.00	--	ND	4.62	--		5
Bromodichloromethane	ND	1.00	--	ND	6.70	--		5
1,4-Dioxane	ND	1.00	--	ND	3.60	--		5
Trichloroethene	ND	1.00	--	ND	5.37	--		5
2,2,4-Trimethylpentane	ND	1.00	--	ND	4.67	--		5
Heptane	ND	1.00	--	ND	4.10	--		5
cis-1,3-Dichloropropene	ND	1.00	--	ND	4.54	--		5
4-Methyl-2-pentanone	ND	2.50	--	ND	10.2	--		5
trans-1,3-Dichloropropene	ND	1.00	--	ND	4.54	--		5
1,1,2-Trichloroethane	ND	1.00	--	ND	5.46	--		5
Toluene	ND	1.00	--	ND	3.77	--		5
2-Hexanone	3.98	1.00	--	16.3	4.10	--		5
Dibromochloromethane	ND	1.00	--	ND	8.52	--		5
1,2-Dibromoethane	ND	1.00	--	ND	7.69	--		5
Tetrachloroethene	1.68	1.00	--	11.4	6.78	--		5
Chlorobenzene	ND	1.00	--	ND	4.61	--		5
Ethylbenzene	ND	1.00	--	ND	4.34	--		5



Project Name: 2135 WESTCHESTER**Lab Number:** L1826620**Project Number:** 2133 WESTCHESTER**Report Date:** 07/19/18**SAMPLE RESULTS**

Lab ID: L1826620-04 D

Client ID: SV-3

Sample Location: BRONX

Date Collected: 07/12/18 15:45

Date Received: 07/12/18

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	2.00	--	ND	8.69	--		5
Bromoform	ND	1.00	--	ND	10.3	--		5
Styrene	ND	1.00	--	ND	4.26	--		5
1,1,2,2-Tetrachloroethane	ND	1.00	--	ND	6.87	--		5
o-Xylene	ND	1.00	--	ND	4.34	--		5
4-Ethyltoluene	ND	1.00	--	ND	4.92	--		5
1,3,5-Trimethylbenzene	ND	1.00	--	ND	4.92	--		5
1,2,4-Trimethylbenzene	ND	1.00	--	ND	4.92	--		5
Benzyl chloride	ND	1.00	--	ND	5.18	--		5
1,3-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,4-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,2-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,2,4-Trichlorobenzene	ND	1.00	--	ND	7.42	--		5
Hexachlorobutadiene	ND	1.00	--	ND	10.7	--		5

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	88		60-140



Project Name: 2135 WESTCHESTER**Project Number:** 2133 WESTCHESTER**Lab Number:** L1826620**Report Date:** 07/19/18**SAMPLE RESULTS**

Lab ID: L1826620-05 D

Client ID: SV-5

Sample Location: BRONX

Date Collected: 07/12/18 15:48

Date Received: 07/12/18

Field Prep: Not Specified

Sample Depth:

Matrix: Soil_Vapor

Analytical Method: 48,TO-15

Analytical Date: 07/17/18 00:05

Analyst: GJ

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	1.00	--	ND	4.94	--		5
Chloromethane	1.41	1.00	--	2.91	2.07	--		5
Freon-114	ND	1.00	--	ND	6.99	--		5
Vinyl chloride	ND	1.00	--	ND	2.56	--		5
1,3-Butadiene	ND	1.00	--	ND	2.21	--		5
Bromomethane	ND	1.00	--	ND	3.88	--		5
Chloroethane	ND	1.00	--	ND	2.64	--		5
Ethanol	159	25.0	--	300	47.1	--		5
Vinyl bromide	ND	1.00	--	ND	4.37	--		5
Acetone	333	5.00	--	791	11.9	--		5
Trichlorofluoromethane	ND	1.00	--	ND	5.62	--		5
Isopropanol	3.13	2.50	--	7.69	6.15	--		5
1,1-Dichloroethene	ND	1.00	--	ND	3.96	--		5
Tertiary butyl Alcohol	17.4	2.50	--	52.7	7.58	--		5
Methylene chloride	ND	2.50	--	ND	8.69	--		5
3-Chloropropene	ND	1.00	--	ND	3.13	--		5
Carbon disulfide	44.4	1.00	--	138	3.11	--		5
Freon-113	ND	1.00	--	ND	7.66	--		5
trans-1,2-Dichloroethene	ND	1.00	--	ND	3.96	--		5
1,1-Dichloroethane	ND	1.00	--	ND	4.05	--		5
Methyl tert butyl ether	ND	1.00	--	ND	3.61	--		5
2-Butanone	29.8	2.50	--	87.9	7.37	--		5
cis-1,2-Dichloroethene	ND	1.00	--	ND	3.96	--		5



Project Name: 2135 WESTCHESTER**Lab Number:** L1826620**Project Number:** 2133 WESTCHESTER**Report Date:** 07/19/18**SAMPLE RESULTS**

Lab ID: L1826620-05 D

Client ID: SV-5

Sample Location: BRONX

Date Collected: 07/12/18 15:48

Date Received: 07/12/18

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	2.50	--	ND	9.01	--		5
Chloroform	7.10	1.00	--	34.7	4.88	--		5
Tetrahydrofuran	ND	2.50	--	ND	7.37	--		5
1,2-Dichloroethane	ND	1.00	--	ND	4.05	--		5
n-Hexane	ND	1.00	--	ND	3.52	--		5
1,1,1-Trichloroethane	ND	1.00	--	ND	5.46	--		5
Benzene	16.2	1.00	--	51.8	3.19	--		5
Carbon tetrachloride	ND	1.00	--	ND	6.29	--		5
Cyclohexane	ND	1.00	--	ND	3.44	--		5
1,2-Dichloropropane	ND	1.00	--	ND	4.62	--		5
Bromodichloromethane	ND	1.00	--	ND	6.70	--		5
1,4-Dioxane	ND	1.00	--	ND	3.60	--		5
Trichloroethene	ND	1.00	--	ND	5.37	--		5
2,2,4-Trimethylpentane	1.11	1.00	--	5.18	4.67	--		5
Heptane	1.06	1.00	--	4.34	4.10	--		5
cis-1,3-Dichloropropene	ND	1.00	--	ND	4.54	--		5
4-Methyl-2-pentanone	ND	2.50	--	ND	10.2	--		5
trans-1,3-Dichloropropene	ND	1.00	--	ND	4.54	--		5
1,1,2-Trichloroethane	ND	1.00	--	ND	5.46	--		5
Toluene	1.29	1.00	--	4.86	3.77	--		5
2-Hexanone	3.22	1.00	--	13.2	4.10	--		5
Dibromochloromethane	ND	1.00	--	ND	8.52	--		5
1,2-Dibromoethane	ND	1.00	--	ND	7.69	--		5
Tetrachloroethene	3.16	1.00	--	21.4	6.78	--		5
Chlorobenzene	ND	1.00	--	ND	4.61	--		5
Ethylbenzene	ND	1.00	--	ND	4.34	--		5



Project Name: 2135 WESTCHESTER**Lab Number:** L1826620**Project Number:** 2133 WESTCHESTER**Report Date:** 07/19/18**SAMPLE RESULTS**

Lab ID: L1826620-05 D

Client ID: SV-5

Sample Location: BRONX

Date Collected: 07/12/18 15:48

Date Received: 07/12/18

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	2.00	--	ND	8.69	--		5
Bromoform	ND	1.00	--	ND	10.3	--		5
Styrene	ND	1.00	--	ND	4.26	--		5
1,1,2,2-Tetrachloroethane	ND	1.00	--	ND	6.87	--		5
o-Xylene	ND	1.00	--	ND	4.34	--		5
4-Ethyltoluene	ND	1.00	--	ND	4.92	--		5
1,3,5-Trimethylbenzene	ND	1.00	--	ND	4.92	--		5
1,2,4-Trimethylbenzene	ND	1.00	--	ND	4.92	--		5
Benzyl chloride	ND	1.00	--	ND	5.18	--		5
1,3-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,4-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,2-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,2,4-Trichlorobenzene	ND	1.00	--	ND	7.42	--		5
Hexachlorobutadiene	ND	1.00	--	ND	10.7	--		5

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	88		60-140



Project Name: 2135 WESTCHESTER**Project Number:** 2133 WESTCHESTER**Lab Number:** L1826620**Report Date:** 07/19/18**SAMPLE RESULTS**

Lab ID: L1826620-06 D

Client ID: SV-6

Sample Location: BRONX

Date Collected: 07/12/18 16:00

Date Received: 07/12/18

Field Prep: Not Specified

Sample Depth:

Matrix: Soil_Vapor

Analytical Method: 48,TO-15

Analytical Date: 07/17/18 00:41

Analyst: GJ

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	2.00	--	ND	9.89	--		10
Chloromethane	9.21	2.00	--	19.0	4.13	--		10
Freon-114	ND	2.00	--	ND	14.0	--		10
Vinyl chloride	ND	2.00	--	ND	5.11	--		10
1,3-Butadiene	ND	2.00	--	ND	4.42	--		10
Bromomethane	ND	2.00	--	ND	7.77	--		10
Chloroethane	ND	2.00	--	ND	5.28	--		10
Ethanol	137	50.0	--	258	94.2	--		10
Vinyl bromide	ND	2.00	--	ND	8.74	--		10
Acetone	1610	10.0	--	3820	23.8	--		10
Trichlorofluoromethane	ND	2.00	--	ND	11.2	--		10
Isopropanol	8.48	5.00	--	20.8	12.3	--		10
1,1-Dichloroethene	ND	2.00	--	ND	7.93	--		10
Tertiary butyl Alcohol	18.4	5.00	--	55.8	15.2	--		10
Methylene chloride	ND	5.00	--	ND	17.4	--		10
3-Chloropropene	ND	2.00	--	ND	6.26	--		10
Carbon disulfide	123	2.00	--	383	6.23	--		10
Freon-113	ND	2.00	--	ND	15.3	--		10
trans-1,2-Dichloroethene	ND	2.00	--	ND	7.93	--		10
1,1-Dichloroethane	ND	2.00	--	ND	8.09	--		10
Methyl tert butyl ether	ND	2.00	--	ND	7.21	--		10
2-Butanone	46.4	5.00	--	137	14.7	--		10
cis-1,2-Dichloroethene	ND	2.00	--	ND	7.93	--		10



Project Name: 2135 WESTCHESTER**Lab Number:** L1826620**Project Number:** 2133 WESTCHESTER**Report Date:** 07/19/18**SAMPLE RESULTS**

Lab ID: L1826620-06 D

Client ID: SV-6

Sample Location: BRONX

Date Collected: 07/12/18 16:00

Date Received: 07/12/18

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	5.00	--	ND	18.0	--		10
Chloroform	ND	2.00	--	ND	9.77	--		10
Tetrahydrofuran	ND	5.00	--	ND	14.7	--		10
1,2-Dichloroethane	ND	2.00	--	ND	8.09	--		10
n-Hexane	15.1	2.00	--	53.2	7.05	--		10
1,1,1-Trichloroethane	ND	2.00	--	ND	10.9	--		10
Benzene	4.56	2.00	--	14.6	6.39	--		10
Carbon tetrachloride	ND	2.00	--	ND	12.6	--		10
Cyclohexane	7.24	2.00	--	24.9	6.88	--		10
1,2-Dichloropropane	ND	2.00	--	ND	9.24	--		10
Bromodichloromethane	ND	2.00	--	ND	13.4	--		10
1,4-Dioxane	ND	2.00	--	ND	7.21	--		10
Trichloroethene	ND	2.00	--	ND	10.7	--		10
2,2,4-Trimethylpentane	7.56	2.00	--	35.3	9.34	--		10
Heptane	3.85	2.00	--	15.8	8.20	--		10
cis-1,3-Dichloropropene	ND	2.00	--	ND	9.08	--		10
4-Methyl-2-pentanone	ND	5.00	--	ND	20.5	--		10
trans-1,3-Dichloropropene	ND	2.00	--	ND	9.08	--		10
1,1,2-Trichloroethane	ND	2.00	--	ND	10.9	--		10
Toluene	ND	2.00	--	ND	7.54	--		10
2-Hexanone	4.97	2.00	--	20.4	8.20	--		10
Dibromochloromethane	ND	2.00	--	ND	17.0	--		10
1,2-Dibromoethane	ND	2.00	--	ND	15.4	--		10
Tetrachloroethene	ND	2.00	--	ND	13.6	--		10
Chlorobenzene	ND	2.00	--	ND	9.21	--		10
Ethylbenzene	ND	2.00	--	ND	8.69	--		10



Project Name: 2135 WESTCHESTER**Lab Number:** L1826620**Project Number:** 2133 WESTCHESTER**Report Date:** 07/19/18**SAMPLE RESULTS**

Lab ID: L1826620-06 D

Client ID: SV-6

Sample Location: BRONX

Date Collected: 07/12/18 16:00

Date Received: 07/12/18

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	4.00	--	ND	17.4	--		10
Bromoform	ND	2.00	--	ND	20.7	--		10
Styrene	ND	2.00	--	ND	8.52	--		10
1,1,2,2-Tetrachloroethane	ND	2.00	--	ND	13.7	--		10
o-Xylene	ND	2.00	--	ND	8.69	--		10
4-Ethyltoluene	ND	2.00	--	ND	9.83	--		10
1,3,5-Trimethylbenzene	ND	2.00	--	ND	9.83	--		10
1,2,4-Trimethylbenzene	ND	2.00	--	ND	9.83	--		10
Benzyl chloride	ND	2.00	--	ND	10.4	--		10
1,3-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,4-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,2-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,2,4-Trichlorobenzene	ND	2.00	--	ND	14.8	--		10
Hexachlorobutadiene	ND	2.00	--	ND	21.3	--		10

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	90		60-140



Project Name: 2135 WESTCHESTER**Project Number:** 2133 WESTCHESTER**Lab Number:** L1826620**Report Date:** 07/19/18**SAMPLE RESULTS**

Lab ID: L1826620-07 D

Client ID: SV-7

Sample Location: BRONX

Date Collected: 07/12/18 16:03

Date Received: 07/12/18

Field Prep: Not Specified

Sample Depth:

Matrix: Soil_Vapor

Analytical Method: 48,TO-15

Analytical Date: 07/17/18 01:16

Analyst: GJ

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	1.00	--	ND	4.94	--		5
Chloromethane	1.02	1.00	--	2.11	2.07	--		5
Freon-114	ND	1.00	--	ND	6.99	--		5
Vinyl chloride	ND	1.00	--	ND	2.56	--		5
1,3-Butadiene	ND	1.00	--	ND	2.21	--		5
Bromomethane	ND	1.00	--	ND	3.88	--		5
Chloroethane	ND	1.00	--	ND	2.64	--		5
Ethanol	133	25.0	--	251	47.1	--		5
Vinyl bromide	ND	1.00	--	ND	4.37	--		5
Acetone	579	5.00	--	1380	11.9	--		5
Trichlorofluoromethane	ND	1.00	--	ND	5.62	--		5
Isopropanol	3.26	2.50	--	8.01	6.15	--		5
1,1-Dichloroethene	ND	1.00	--	ND	3.96	--		5
Tertiary butyl Alcohol	8.28	2.50	--	25.1	7.58	--		5
Methylene chloride	ND	2.50	--	ND	8.69	--		5
3-Chloropropene	ND	1.00	--	ND	3.13	--		5
Carbon disulfide	29.8	1.00	--	92.8	3.11	--		5
Freon-113	ND	1.00	--	ND	7.66	--		5
trans-1,2-Dichloroethene	ND	1.00	--	ND	3.96	--		5
1,1-Dichloroethane	ND	1.00	--	ND	4.05	--		5
Methyl tert butyl ether	ND	1.00	--	ND	3.61	--		5
2-Butanone	24.8	2.50	--	73.1	7.37	--		5
cis-1,2-Dichloroethene	ND	1.00	--	ND	3.96	--		5



Project Name: 2135 WESTCHESTER**Lab Number:** L1826620**Project Number:** 2133 WESTCHESTER**Report Date:** 07/19/18**SAMPLE RESULTS**

Lab ID: L1826620-07 D

Client ID: SV-7

Sample Location: BRONX

Date Collected: 07/12/18 16:03

Date Received: 07/12/18

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	2.50	--	ND	9.01	--		5
Chloroform	16.5	1.00	--	80.6	4.88	--		5
Tetrahydrofuran	ND	2.50	--	ND	7.37	--		5
1,2-Dichloroethane	ND	1.00	--	ND	4.05	--		5
n-Hexane	ND	1.00	--	ND	3.52	--		5
1,1,1-Trichloroethane	ND	1.00	--	ND	5.46	--		5
Benzene	2.28	1.00	--	7.28	3.19	--		5
Carbon tetrachloride	ND	1.00	--	ND	6.29	--		5
Cyclohexane	1.78	1.00	--	6.13	3.44	--		5
1,2-Dichloropropane	ND	1.00	--	ND	4.62	--		5
Bromodichloromethane	ND	1.00	--	ND	6.70	--		5
1,4-Dioxane	ND	1.00	--	ND	3.60	--		5
Trichloroethene	ND	1.00	--	ND	5.37	--		5
2,2,4-Trimethylpentane	2.19	1.00	--	10.2	4.67	--		5
Heptane	ND	1.00	--	ND	4.10	--		5
cis-1,3-Dichloropropene	ND	1.00	--	ND	4.54	--		5
4-Methyl-2-pentanone	ND	2.50	--	ND	10.2	--		5
trans-1,3-Dichloropropene	ND	1.00	--	ND	4.54	--		5
1,1,2-Trichloroethane	ND	1.00	--	ND	5.46	--		5
Toluene	1.24	1.00	--	4.67	3.77	--		5
2-Hexanone	2.84	1.00	--	11.6	4.10	--		5
Dibromochloromethane	ND	1.00	--	ND	8.52	--		5
1,2-Dibromoethane	ND	1.00	--	ND	7.69	--		5
Tetrachloroethene	4.96	1.00	--	33.6	6.78	--		5
Chlorobenzene	ND	1.00	--	ND	4.61	--		5
Ethylbenzene	ND	1.00	--	ND	4.34	--		5



Project Name: 2135 WESTCHESTER**Lab Number:** L1826620**Project Number:** 2133 WESTCHESTER**Report Date:** 07/19/18**SAMPLE RESULTS**

Lab ID: L1826620-07 D

Client ID: SV-7

Sample Location: BRONX

Date Collected: 07/12/18 16:03

Date Received: 07/12/18

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	2.00	--	ND	8.69	--		5
Bromoform	ND	1.00	--	ND	10.3	--		5
Styrene	ND	1.00	--	ND	4.26	--		5
1,1,2,2-Tetrachloroethane	ND	1.00	--	ND	6.87	--		5
o-Xylene	ND	1.00	--	ND	4.34	--		5
4-Ethyltoluene	ND	1.00	--	ND	4.92	--		5
1,3,5-Trimethylbenzene	ND	1.00	--	ND	4.92	--		5
1,2,4-Trimethylbenzene	ND	1.00	--	ND	4.92	--		5
Benzyl chloride	ND	1.00	--	ND	5.18	--		5
1,3-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,4-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,2-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,2,4-Trichlorobenzene	ND	1.00	--	ND	7.42	--		5
Hexachlorobutadiene	ND	1.00	--	ND	10.7	--		5

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	93		60-140



Project Name: 2135 WESTCHESTER**Project Number:** 2133 WESTCHESTER**Lab Number:** L1826620**Report Date:** 07/19/18**SAMPLE RESULTS**

Lab ID: L1826620-08

Client ID: SS-2

Sample Location: BRONX

Date Collected: 07/12/18 15:06

Date Received: 07/12/18

Field Prep: Not Specified

Sample Depth:

Matrix: Soil_Vapor

Analytical Method: 48,TO-15

Analytical Date: 07/17/18 01:54

Analyst: GJ

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.518	0.200	--	2.56	0.989	--		1
Chloromethane	0.535	0.200	--	1.10	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	161	5.00	--	303	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	42.0	1.00	--	99.8	2.38	--		1
Trichlorofluoromethane	0.323	0.200	--	1.82	1.12	--		1
Isopropanol	13.4	0.500	--	32.9	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	0.964	0.500	--	2.92	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	2.26	0.500	--	6.67	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: 2135 WESTCHESTER**Lab Number:** L1826620**Project Number:** 2133 WESTCHESTER**Report Date:** 07/19/18**SAMPLE RESULTS**

Lab ID: L1826620-08

Client ID: SS-2

Sample Location: BRONX

Date Collected: 07/12/18 15:06

Date Received: 07/12/18

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	5.92	0.200	--	28.9	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.370	0.200	--	1.30	0.705	--		1
1,1,1-Trichloroethane	5.41	0.200	--	29.5	1.09	--		1
Benzene	0.498	0.200	--	1.59	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	0.370	0.200	--	1.99	1.07	--		1
2,2,4-Trimethylpentane	0.317	0.200	--	1.48	0.934	--		1
Heptane	0.286	0.200	--	1.17	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	0.513	0.500	--	2.10	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	1.11	0.200	--	4.18	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	0.291	0.200	--	1.97	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1



Project Name: 2135 WESTCHESTER**Lab Number:** L1826620**Project Number:** 2133 WESTCHESTER**Report Date:** 07/19/18**SAMPLE RESULTS**

Lab ID: L1826620-08

Client ID: SS-2

Sample Location: BRONX

Date Collected: 07/12/18 15:06

Date Received: 07/12/18

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	0.490	0.400	--	2.13	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.278	0.200	--	1.18	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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	93		60-140



Project Name: 2135 WESTCHESTER**Project Number:** 2133 WESTCHESTER**Lab Number:** L1826620**Report Date:** 07/19/18**SAMPLE RESULTS**

Lab ID: L1826620-09

Client ID: IA-2

Sample Location: BRONX

Date Collected: 07/12/18 14:50

Date Received: 07/12/18

Field Prep: Not Specified

Sample Depth:

Matrix: Air

Analytical Method: 48,TO-15

Analytical Date: 07/16/18 17:24

Analyst: GJ

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.420	0.200	--	2.08	0.989	--		1
Chloromethane	0.955	0.200	--	1.97	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	158	5.00	--	298	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	9.84	1.00	--	23.4	2.38	--		1
Trichlorofluoromethane	0.206	0.200	--	1.16	1.12	--		1
Isopropanol	4.72	0.500	--	11.6	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
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	2.98	0.200	--	14.6	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1



Project Name: 2135 WESTCHESTER**Lab Number:** L1826620**Project Number:** 2133 WESTCHESTER**Report Date:** 07/19/18**SAMPLE RESULTS**

Lab ID: L1826620-09

Client ID: IA-2

Sample Location: BRONX

Date Collected: 07/12/18 14:50

Date Received: 07/12/18

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	ND	0.200	--	ND	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	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	0.275	0.200	--	1.04	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: 2135 WESTCHESTER**Lab Number:** L1826620**Project Number:** 2133 WESTCHESTER**Report Date:** 07/19/18**SAMPLE RESULTS**

Lab ID: L1826620-09

Client ID: IA-2

Sample Location: BRONX

Date Collected: 07/12/18 14:50

Date Received: 07/12/18

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	85		60-140
Bromochloromethane	84		60-140
chlorobenzene-d5	84		60-140



Project Name: 2135 WESTCHESTER**Lab Number:** L1826620**Project Number:** 2133 WESTCHESTER**Report Date:** 07/19/18**SAMPLE RESULTS**

Lab ID: L1826620-09

Client ID: IA-2

Sample Location: BRONX

Date Collected: 07/12/18 14:50

Date Received: 07/12/18

Field Prep: Not Specified

Sample Depth:

Matrix: Air

Analytical Method: 48,TO-15-SIM

Analytical Date: 07/16/18 17:24

Analyst: GJ

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	0.050	0.020	--	0.128	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	0.102	0.020	--	0.642	0.126	--		1
Trichloroethene	0.700	0.020	--	3.76	0.107	--		1
Tetrachloroethene	0.236	0.020	--	1.60	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	85		60-140
bromochloromethane	84		60-140
chlorobenzene-d5	85		60-140

Project Name: 2135 WESTCHESTER**Project Number:** 2133 WESTCHESTER**Lab Number:** L1826620**Report Date:** 07/19/18**SAMPLE RESULTS**

Lab ID: L1826620-10

Client ID: AMBIENT

Sample Location: BRONX

Date Collected: 07/12/18 14:46

Date Received: 07/12/18

Field Prep: Not Specified

Sample Depth:

Matrix: Air

Analytical Method: 48,TO-15

Analytical Date: 07/16/18 16:45

Analyst: GJ

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.401	0.200	--	1.98	0.989	--		1
Chloromethane	0.421	0.200	--	0.869	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	5.56	5.00	--	10.5	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.81	1.00	--	9.05	2.38	--		1
Trichlorofluoromethane	0.201	0.200	--	1.13	1.12	--		1
Isopropanol	0.727	0.500	--	1.79	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: 2135 WESTCHESTER**Lab Number:** L1826620**Project Number:** 2133 WESTCHESTER**Report Date:** 07/19/18**SAMPLE RESULTS**

Lab ID: L1826620-10

Client ID: AMBIENT

Sample Location: BRONX

Date Collected: 07/12/18 14:46

Date Received: 07/12/18

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	ND	0.200	--	ND	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	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	0.220	0.200	--	0.829	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-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: 2135 WESTCHESTER**Lab Number:** L1826620**Project Number:** 2133 WESTCHESTER**Report Date:** 07/19/18**SAMPLE RESULTS**

Lab ID: L1826620-10

Client ID: AMBIENT

Sample Location: BRONX

Date Collected: 07/12/18 14:46

Date Received: 07/12/18

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	88		60-140
Bromochloromethane	88		60-140
chlorobenzene-d5	89		60-140



Project Name: 2135 WESTCHESTER**Lab Number:** L1826620**Project Number:** 2133 WESTCHESTER**Report Date:** 07/19/18**SAMPLE RESULTS**

Lab ID: L1826620-10

Client ID: AMBIENT

Sample Location: BRONX

Date Collected: 07/12/18 14:46

Date Received: 07/12/18

Field Prep: Not Specified

Sample Depth:

Matrix: Air

Analytical Method: 48,TO-15-SIM

Analytical Date: 07/16/18 16:45

Analyst: GJ

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	0.074	0.020	--	0.465	0.126	--		1
Trichloroethene	0.636	0.020	--	3.42	0.107	--		1
Tetrachloroethene	0.037	0.020	--	0.251	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	87		60-140
bromochloromethane	87		60-140
chlorobenzene-d5	90		60-140



Project Name: 2135 WESTCHESTER

Lab Number: L1826620

Project Number: 2133 WESTCHESTER

Report Date: 07/19/18

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 07/16/18 14:30

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-10 Batch: WG1136163-4								
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: 2135 WESTCHESTER

Lab Number: L1826620

Project Number: 2133 WESTCHESTER

Report Date: 07/19/18

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 07/16/18 14:30

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-10 Batch: WG1136163-4								
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: 2135 WESTCHESTER

Lab Number: L1826620

Project Number: 2133 WESTCHESTER

Report Date: 07/19/18

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 07/16/18 14:30

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-10 Batch: WG1136163-4								
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: 2135 WESTCHESTER

Lab Number: L1826620

Project Number: 2133 WESTCHESTER

Report Date: 07/19/18

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15-SIM

Analytical Date: 07/16/18 14:30

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 09-10 Batch: WG1136165-4								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2135 WESTCHESTER

Lab Number: L1826620

Project Number: 2133 WESTCHESTER

Report Date: 07/19/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-10 Batch: WG1136163-3								
Chlorodifluoromethane	82		-		70-130	-		
Propylene	83		-		70-130	-		
Propane	72		-		70-130	-		
Dichlorodifluoromethane	98		-		70-130	-		
Chloromethane	94		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	104		-		70-130	-		
Methanol	78		-		70-130	-		
Vinyl chloride	95		-		70-130	-		
1,3-Butadiene	106		-		70-130	-		
Butane	84		-		70-130	-		
Bromomethane	102		-		70-130	-		
Chloroethane	93		-		70-130	-		
Ethyl Alcohol	85		-		70-130	-		
Dichlorofluoromethane	119		-		70-130	-		
Vinyl bromide	107		-		70-130	-		
Acrolein	92		-		70-130	-		
Acetone	76		-		70-130	-		
Acetonitrile	82		-		70-130	-		
Trichlorofluoromethane	100		-		70-130	-		
iso-Propyl Alcohol	80		-		70-130	-		
Acrylonitrile	96		-		70-130	-		
Pentane	84		-		70-130	-		
Ethyl ether	101		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2135 WESTCHESTER

Project Number: 2133 WESTCHESTER

Lab Number: L1826620

Report Date: 07/19/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-10 Batch: WG1136163-3								
1,1-Dichloroethene	97		-		70-130	-		
tert-Butyl Alcohol	92		-		70-130	-		
Methylene chloride	102		-		70-130	-		
3-Chloropropene	101		-		70-130	-		
Carbon disulfide	104		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	109		-		70-130	-		
trans-1,2-Dichloroethene	102		-		70-130	-		
1,1-Dichloroethane	93		-		70-130	-		
Methyl tert butyl ether	93		-		70-130	-		
Vinyl acetate	88		-		70-130	-		
2-Butanone	98		-		70-130	-		
cis-1,2-Dichloroethene	85		-		70-130	-		
Ethyl Acetate	97		-		70-130	-		
Chloroform	102		-		70-130	-		
Tetrahydrofuran	96		-		70-130	-		
2,2-Dichloropropane	100		-		70-130	-		
1,2-Dichloroethane	96		-		70-130	-		
n-Hexane	90		-		70-130	-		
Isopropyl Ether	86		-		70-130	-		
Ethyl-Tert-Butyl-Ether	80		-		70-130	-		
1,1,1-Trichloroethane	103		-		70-130	-		
1,1-Dichloropropene	94		-		70-130	-		
Benzene	90		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2135 WESTCHESTER

Lab Number: L1826620

Project Number: 2133 WESTCHESTER

Report Date: 07/19/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-10 Batch: WG1136163-3								
Carbon tetrachloride	110		-		70-130	-		
Cyclohexane	90		-		70-130	-		
Tertiary-Amyl Methyl Ether	88		-		70-130	-		
Dibromomethane	85		-		70-130	-		
1,2-Dichloropropane	86		-		70-130	-		
Bromodichloromethane	103		-		70-130	-		
1,4-Dioxane	99		-		70-130	-		
Trichloroethene	97		-		70-130	-		
2,2,4-Trimethylpentane	90		-		70-130	-		
Methyl Methacrylate	74		-		70-130	-		
Heptane	92		-		70-130	-		
cis-1,3-Dichloropropene	98		-		70-130	-		
4-Methyl-2-pentanone	94		-		70-130	-		
trans-1,3-Dichloropropene	89		-		70-130	-		
1,1,2-Trichloroethane	90		-		70-130	-		
Toluene	98		-		70-130	-		
1,3-Dichloropropane	93		-		70-130	-		
2-Hexanone	100		-		70-130	-		
Dibromochloromethane	119		-		70-130	-		
1,2-Dibromoethane	100		-		70-130	-		
Butyl Acetate	96		-		70-130	-		
Octane	89		-		70-130	-		
Tetrachloroethene	102		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2135 WESTCHESTER

Lab Number: L1826620

Project Number: 2133 WESTCHESTER

Report Date: 07/19/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-10 Batch: WG1136163-3								
1,1,1,2-Tetrachloroethane	102		-		70-130	-		
Chlorobenzene	97		-		70-130	-		
Ethylbenzene	98		-		70-130	-		
p/m-Xylene	100		-		70-130	-		
Bromoform	119		-		70-130	-		
Styrene	97		-		70-130	-		
1,1,2,2-Tetrachloroethane	100		-		70-130	-		
o-Xylene	102		-		70-130	-		
1,2,3-Trichloropropane	94		-		70-130	-		
Nonane (C9)	88		-		70-130	-		
Isopropylbenzene	99		-		70-130	-		
Bromobenzene	92		-		70-130	-		
o-Chlorotoluene	95		-		70-130	-		
n-Propylbenzene	96		-		70-130	-		
p-Chlorotoluene	95		-		70-130	-		
4-Ethyltoluene	107		-		70-130	-		
1,3,5-Trimethylbenzene	109		-		70-130	-		
tert-Butylbenzene	104		-		70-130	-		
1,2,4-Trimethylbenzene	113		-		70-130	-		
Decane (C10)	94		-		70-130	-		
Benzyl chloride	134	Q	-		70-130	-		
1,3-Dichlorobenzene	110		-		70-130	-		
1,4-Dichlorobenzene	106		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2135 WESTCHESTER

Lab Number: L1826620

Project Number: 2133 WESTCHESTER

Report Date: 07/19/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-10 Batch: WG1136163-3								
sec-Butylbenzene	100		-		70-130	-		
p-Isopropyltoluene	96		-		70-130	-		
1,2-Dichlorobenzene	108		-		70-130	-		
n-Butylbenzene	103		-		70-130	-		
1,2-Dibromo-3-chloropropane	108		-		70-130	-		
Undecane	91		-		70-130	-		
Dodecane (C12)	86		-		70-130	-		
1,2,4-Trichlorobenzene	105		-		70-130	-		
Naphthalene	98		-		70-130	-		
1,2,3-Trichlorobenzene	95		-		70-130	-		
Hexachlorobutadiene	109		-		70-130	-		

Lab Control Sample Analysis Batch Quality Control

Project Name: 2135 WESTCHESTER

Lab Number: L1826620

Project Number: 2133 WESTCHESTER

Report Date: 07/19/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 09-10 Batch: WG1136165-3								
Vinyl chloride	91		-		70-130	-		25
1,1-Dichloroethene	91		-		70-130	-		25
cis-1,2-Dichloroethene	83		-		70-130	-		25
1,1,1-Trichloroethane	96		-		70-130	-		25
Carbon tetrachloride	105		-		70-130	-		25
Trichloroethene	90		-		70-130	-		25
Tetrachloroethene	96		-		70-130	-		25

Lab Duplicate Analysis Batch Quality Control

Project Name: 2135 WESTCHESTER

Project Number: 2133 WESTCHESTER

Lab Number: L1826620

Report Date: 07/19/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-10 QC Batch ID: WG1136163-5 QC Sample: L1826620-09 Client ID: IA-2						
Dichlorodifluoromethane	0.420	0.430	ppbV	2		25
Chloromethane	0.955	0.965	ppbV	1		25
Freon-114	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethanol	158	160	ppbV	1		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	9.84	10.0	ppbV	2		25
Trichlorofluoromethane	0.206	0.215	ppbV	4		25
Isopropanol	4.72	4.76	ppbV	1		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	ND	ND	ppbV	NC		25
Freon-113	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25
2-Butanone	ND	ND	ppbV	NC		25
Ethyl Acetate	ND	ND	ppbV	NC		25

Lab Duplicate Analysis Batch Quality Control

Project Name: 2135 WESTCHESTER

Project Number: 2133 WESTCHESTER

Lab Number: L1826620

Report Date: 07/19/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-10 QC Batch ID: WG1136163-5 QC Sample: L1826620-09 Client ID: IA-2						
Chloroform	2.98	2.99	ppbV	0		25
Tetrahydrofuran	ND	ND	ppbV	NC		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
n-Hexane	ND	ND	ppbV	NC		25
Benzene	ND	ND	ppbV	NC		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	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
Toluene	0.275	0.282	ppbV	3		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: 2135 WESTCHESTER

Project Number: 2133 WESTCHESTER

Lab Number: L1826620

Report Date: 07/19/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-10 QC Batch ID: WG1136163-5 QC Sample: L1826620-09 Client ID: IA-2						
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
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 09-10 QC Batch ID: WG1136165-5 QC Sample: L1826620-09 Client ID: IA-2						
Vinyl chloride	0.050	0.055	ppbV	10		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	0.102	0.100	ppbV	2		25
Trichloroethene	0.700	0.724	ppbV	3		25
Tetrachloroethene	0.236	0.240	ppbV	2		25

Project Name: 2135 WESTCHESTER

Project Number: 2133 WESTCHESTER

Serial_No:07191815:50
Lab Number: L1826620

Report Date: 07/19/18

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
L1826620-01	SV-1	0437	Flow 5	07/12/18	269797		-	-	-	Pass	4.5	4.6	2
L1826620-01	SV-1	553	2.7L Can	07/12/18	269797	L1825341-01	Pass	-29.3	-5.6	-	-	-	-
L1826620-02	SV-2	0340	Flow 5	07/12/18	269797		-	-	-	Pass	4.5	4.7	4
L1826620-02	SV-2	241	2.7L Can	07/12/18	269797	L1825594-01	Pass	-29.0	-5.9	-	-	-	-
L1826620-03	SV-4	0951	Flow 4	07/12/18	269797		-	-	-	Pass	4.5	4.9	9
L1826620-03	SV-4	345	2.7L Can	07/12/18	269797	L1825594-01	Pass	-29.5	-2.3	-	-	-	-
L1826620-04	SV-3	0948	Flow 5	07/12/18	269797		-	-	-	Pass	4.5	5.0	11
L1826620-04	SV-3	1739	2.7L Can	07/12/18	269797	L1825594-02	Pass	-29.5	-8.8	-	-	-	-
L1826620-05	SV-5	0959	Flow 5	07/12/18	269797		-	-	-	Pass	4.4	5.0	13
L1826620-05	SV-5	2209	2.7L Can	07/12/18	269797	L1825594-01	Pass	-29.5	-7.7	-	-	-	-
L1826620-06	SV-6	0904	Flow 4	07/12/18	269797		-	-	-	Pass	4.5	5.2	14
L1826620-06	SV-6	414	2.7L Can	07/12/18	269797	L1825594-01	Pass	-29.5	-11.6	-	-	-	-
L1826620-07	SV-7	0341	Flow 5	07/12/18	269797		-	-	-	Pass	4.5	4.6	2
L1826620-07	SV-7	457	2.7L Can	07/12/18	269797	L1825594-01	Pass	-29.5	-5.1	-	-	-	-
L1826620-08	SS-2	01072	Flow 5	07/12/18	269797		-	-	-	Pass	4.4	5.2	17

Project Name: 2135 WESTCHESTER

Project Number: 2133 WESTCHESTER

Serial_No:07191815:50
Lab Number: L1826620

Report Date: 07/19/18

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
L1826620-08	SS-2	172	2.7L Can	07/12/18	269797	L1825594-01	Pass	-29.5	-6.6	-	-	-	-
L1826620-09	IA-2	0406	Flow 5	07/12/18	269797		-	-	-	Pass	4.4	4.7	7
L1826620-09	IA-2	2200	2.7L Can	07/12/18	269797	L1825594-01	Pass	-28.6	-5.1	-	-	-	-
L1826620-10	AMBIENT	0342	Flow 5	07/12/18	269797		-	-	-	Pass	4.5	5.7	24
L1826620-10	AMBIENT	400	2.7L Can	07/12/18	269797	L1825341-01	Pass	-29.0	-2.8	-	-	-	-

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

Lab Number: L1825341
Report Date: 07/19/18

Air Canister Certification Results

Lab ID: L1825341-01
Client ID: CAN 252 SHELF 1
Sample Location:

Date Collected: 07/02/18 16:00
Date Received: 07/03/18
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 07/04/18 00:18
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: L1825341
Report Date: 07/19/18

Air Canister Certification Results

Lab ID: L1825341-01
Client ID: CAN 252 SHELF 1
Sample Location:

Date Collected: 07/02/18 16:00
Date Received: 07/03/18
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
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
1,1,1-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
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1



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

Lab Number: L1825341
Report Date: 07/19/18

Air Canister Certification Results

Lab ID: L1825341-01
Client ID: CAN 252 SHELF 1
Sample Location:

Date Collected: 07/02/18 16:00
Date Received: 07/03/18
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								
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
1,1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1825341**Project Number:** CANISTER QC BAT**Report Date:** 07/19/18**Air Canister Certification Results**

Lab ID: L1825341-01

Date Collected: 07/02/18 16:00

Client ID: CAN 252 SHELF 1

Date Received: 07/03/18

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								
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:** L1825341**Project Number:** CANISTER QC BAT**Report Date:** 07/19/18**Air Canister Certification Results**

Lab ID: L1825341-01

Date Collected: 07/02/18 16:00

Client ID: CAN 252 SHELF 1

Date Received: 07/03/18

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	90		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	90		60-140

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

Lab Number: L1825341
Report Date: 07/19/18

Air Canister Certification Results

Lab ID: L1825341-01
Client ID: CAN 252 SHELF 1
Sample Location:

Date Collected: 07/02/18 16:00
Date Received: 07/03/18
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 07/03/18 17:08
Analyst: MB

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: L1825341
Report Date: 07/19/18

Air Canister Certification Results

Lab ID: L1825341-01
Client ID: CAN 252 SHELF 1
Sample Location:

Date Collected: 07/02/18 16:00
Date Received: 07/03/18
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:** L1825341**Project Number:** CANISTER QC BAT**Report Date:** 07/19/18**Air Canister Certification Results**

Lab ID: L1825341-01

Date Collected: 07/02/18 16:00

Client ID: CAN 252 SHELF 1

Date Received: 07/03/18

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	94		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	94		60-140



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

Lab Number: L1825594
Report Date: 07/19/18

Air Canister Certification Results

Lab ID: L1825594-01
Client ID: CAN 260 SHELF 2
Sample Location:

Date Collected: 07/05/18 16:00
Date Received: 07/06/18
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 07/06/18 21:13
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: L1825594
Report Date: 07/19/18

Air Canister Certification Results

Lab ID: L1825594-01
Client ID: CAN 260 SHELF 2
Sample Location:

Date Collected: 07/05/18 16:00
Date Received: 07/06/18
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
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
1,1,1-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
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1825594**Project Number:** CANISTER QC BAT**Report Date:** 07/19/18**Air Canister Certification Results**

Lab ID: L1825594-01

Date Collected: 07/05/18 16:00

Client ID: CAN 260 SHELF 2

Date Received: 07/06/18

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								
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
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1825594**Project Number:** CANISTER QC BAT**Report Date:** 07/19/18**Air Canister Certification Results**

Lab ID: L1825594-01

Date Collected: 07/05/18 16:00

Client ID: CAN 260 SHELF 2

Date Received: 07/06/18

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								
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:** L1825594**Project Number:** CANISTER QC BAT**Report Date:** 07/19/18**Air Canister Certification Results**

Lab ID: L1825594-01

Date Collected: 07/05/18 16:00

Client ID: CAN 260 SHELF 2

Date Received: 07/06/18

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	97		60-140
Bromochloromethane	100		60-140
chlorobenzene-d5	93		60-140

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

Lab Number: L1825594
Report Date: 07/19/18

Air Canister Certification Results

Lab ID: L1825594-01
Client ID: CAN 260 SHELF 2
Sample Location:

Date Collected: 07/05/18 16:00
Date Received: 07/06/18
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 07/07/18 18:28
Analyst: MB

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: L1825594
Report Date: 07/19/18

Air Canister Certification Results

Lab ID: L1825594-01
Client ID: CAN 260 SHELF 2
Sample Location:

Date Collected: 07/05/18 16:00
Date Received: 07/06/18
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:** L1825594**Project Number:** CANISTER QC BAT**Report Date:** 07/19/18**Air Canister Certification Results**

Lab ID: L1825594-01

Date Collected: 07/05/18 16:00

Client ID: CAN 260 SHELF 2

Date Received: 07/06/18

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	86		60-140
bromochloromethane	87		60-140
chlorobenzene-d5	82		60-140



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

Lab Number: L1825594
Report Date: 07/19/18

Air Canister Certification Results

Lab ID: L1825594-02
Client ID: CAN 1739 SHELF 3
Sample Location:

Date Collected: 07/05/18 16:00
Date Received: 07/06/18
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 07/06/18 21:51
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: L1825594
Report Date: 07/19/18

Air Canister Certification Results

Lab ID: L1825594-02
Client ID: CAN 1739 SHELF 3
Sample Location:

Date Collected: 07/05/18 16:00
Date Received: 07/06/18
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
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
1,1,1-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
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1825594**Project Number:** CANISTER QC BAT**Report Date:** 07/19/18**Air Canister Certification Results**

Lab ID: L1825594-02

Date Collected: 07/05/18 16:00

Client ID: CAN 1739 SHELF 3

Date Received: 07/06/18

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								
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
1,1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1



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

Lab Number: L1825594
Report Date: 07/19/18

Air Canister Certification Results

Lab ID: L1825594-02
Client ID: CAN 1739 SHELF 3
Sample Location:

Date Collected: 07/05/18 16:00
Date Received: 07/06/18
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								
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:** L1825594**Project Number:** CANISTER QC BAT**Report Date:** 07/19/18**Air Canister Certification Results**

Lab ID: L1825594-02

Date Collected: 07/05/18 16:00

Client ID: CAN 1739 SHELF 3

Date Received: 07/06/18

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	93		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	89		60-140

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

Lab Number: L1825594
Report Date: 07/19/18

Air Canister Certification Results

Lab ID: L1825594-02
Client ID: CAN 1739 SHELF 3
Sample Location:

Date Collected: 07/05/18 16:00
Date Received: 07/06/18
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 07/07/18 19:03
Analyst: MB

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: L1825594
Report Date: 07/19/18

Air Canister Certification Results

Lab ID: L1825594-02
Client ID: CAN 1739 SHELF 3
Sample Location:

Date Collected: 07/05/18 16:00
Date Received: 07/06/18
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:** L1825594**Project Number:** CANISTER QC BAT**Report Date:** 07/19/18**Air Canister Certification Results**

Lab ID: L1825594-02

Date Collected: 07/05/18 16:00

Client ID: CAN 1739 SHELF 3

Date Received: 07/06/18

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	85		60-140
bromochloromethane	86		60-140
chlorobenzene-d5	80		60-140

Project Name: 2135 WESTCHESTER**Lab Number:** L1826620**Project Number:** 2133 WESTCHESTER**Report Date:** 07/19/18**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(*)
L1826620-01A	Canister - 2.7 Liter	N/A	NA			Y	Absent		TO15-LL(30)
L1826620-02A	Canister - 2.7 Liter	N/A	NA			Y	Absent		TO15-LL(30)
L1826620-03A	Canister - 2.7 Liter	N/A	NA			Y	Absent		TO15-LL(30)
L1826620-04A	Canister - 2.7 Liter	N/A	NA			Y	Absent		TO15-LL(30)
L1826620-05A	Canister - 2.7 Liter	N/A	NA			Y	Absent		TO15-LL(30)
L1826620-06A	Canister - 2.7 Liter	N/A	NA			Y	Absent		TO15-LL(30)
L1826620-07A	Canister - 2.7 Liter	N/A	NA			Y	Absent		TO15-LL(30)
L1826620-08A	Canister - 2.7 Liter	N/A	NA			Y	Absent		TO15-LL(30)
L1826620-09A	Canister - 2.7 Liter	N/A	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L1826620-10A	Canister - 2.7 Liter	N/A	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)

Project Name: 2135 WESTCHESTER
Project Number: 2133 WESTCHESTER

Lab Number: L1826620
Report Date: 07/19/18

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.

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.

Report Format: Data Usability Report



Project Name: 2135 WESTCHESTER
Project Number: 2133 WESTCHESTER

Lab Number: L1826620
Report Date: 07/19/18

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.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- 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.
- J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the reporting limit (RL) for the sample.

Project Name: 2135 WESTCHESTER
Project Number: 2133 WESTCHESTER

Lab Number: L1826620
Report Date: 07/19/18

REFERENCES

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

LIMITATION OF LIABILITIES

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

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



Certification Information

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

Westborough Facility

EPA 624: 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 300: DW: Bromide

EPA 6860: SCM: Perchlorate

EPA 9010: NPW and SCM: Amenable Cyanide Distillation

SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; 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, **EPA 351.1, 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 624: Volatile Halocarbons & Aromatics,

EPA 608: 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: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water

EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, 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, Pb, Mn, Ni, Se, Ag, 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

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

Client Information

Client: Tenen Envi

Address:

Phone:

Fax:

Email: mccorroll@tenen-env.com

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

PAGE _____ OF _____

Date Rec'd in Lab: 7/13/18

ALPHA Job #: L1826620

Project Information

Project Name: 2135 Westchester

Project Location: Bronx

Project #: 2135 Westchester

Project Manager: Math Carroll

ALPHA Quote #:

Turn-Around Time

☒ Standard

☐ RUSH (only confirmed if pre-approved)

Date Due:

Time:

Report Information - Data Deliverables

☐ FAX

☐ ADEx

Criteria Checker:

(Default based on Regulatory Criteria Indicated)

Other Formats:

☒ EMAIL (standard pdf report)

☐ Additional Deliverables:

Report to: (if different than Project Manager)

Billing Information

☒ Same as Client info

PO #:

Regulatory Requirements/Report Limits

State/Fed Program Res / Comm

ANALYSIS

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	ID Can	ID - Flow Controller	TO-15 TO-15 SIM	APH	Fixed Gases	Sulfides	Sample Comments (i.e. PID)
		End Date	Start Time	End Time	Initial Vacuum	Final Vacuum											
6620-01	SV-1	7/12/18	0719	1508	30.01	4.54	SV	CZ	2.7	553	0457	X					
-02	SV-2		0729	1529	30.05	5.02					241	0340	X				
-03	SV-4		0740	1512	30.33	1.50					345	0951	X				
-04	SV-3		0745	1545	30.26	8.56					1739	0948	X				
-05	SV-5		0750	1548	30.12	4.93					2209	0959	X				
-06	SV-6		0755	1600	30.29	10.93					414	0904	X				
-07	SV-7		0800	1603	30.29	4.18	±				457	0341	X				
-08	SS-2		0706	1506	30.13	6.55					172	01072	X				
-09	IA-2		0703	1450	29.19	4.73	AA				2200	0406	X				
-10	Ambient		0659	1446	29.94	1.62	AA				400	0342	X				

*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)

SV = Soil Vapor/Landfill Gas/SVE

Other = Please Specify

Container Type

Date/Time:

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:	L1826668
Client:	Tenen Environmental, LLC 121 West 27th Street Suite 702 New York City, NY 10001
ATTN:	Matt Carroll
Phone:	(646) 606-2332
Project Name:	2135 WESTCHESTER AVE.
Project Number:	2135 WESTCHESTER AVE
Report Date:	07/23/18

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: 2135 WESTCHESTER AVE.
Project Number: 2135 WESTCHESTER AVE

Lab Number: L1826668
Report Date: 07/23/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1826668-01	MW-3S	WATER	BRONX, NY	07/12/18 13:20	07/12/18
L1826668-02	MW-2	WATER	BRONX, NY	07/12/18 11:25	07/12/18
L1826668-03	MW-4B	WATER	BRONX, NY	07/12/18 13:25	07/12/18
L1826668-04	MW-4B DUP	WATER	BRONX, NY	07/12/18 13:40	07/12/18
L1826668-05	MW-4S	WATER	BRONX, NY	07/12/18 15:00	07/12/18
L1826668-06	FIELD BLANK	WATER	BRONX, NY	07/12/18 14:10	07/12/18
L1826668-07	MW-1B	WATER	BRONX, NY	07/12/18 09:35	07/12/18
L1826668-08	MW-1	WATER	BRONX, NY	07/12/18 11:20	07/12/18
L1826668-09	TRIP BLANK	WATER	BRONX, NY	07/12/18 00:00	07/12/18

Project Name: 2135 WESTCHESTER AVE.
Project Number: 2135 WESTCHESTER AVE

Lab Number: L1826668
Report Date: 07/23/18

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. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated 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.

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 table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

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 Client Service Representative 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 Client Services at 800-624-9220 with any questions.

Project Name: 2135 WESTCHESTER AVE.
Project Number: 2135 WESTCHESTER AVE

Lab Number: L1826668
Report Date: 07/23/18

Case Narrative (continued)

Report Submission

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

Sample Receipt

L1826668-07 and -08: Containers for Total Cyanide were received for the "MW-1B" and "MW-1" samples, but were not listed on the chain of custody. The analysis was performed at the client's request.

Volatile Organics

The WG1136642-8/-9 MS/MSD recoveries, performed on L1826668-07, are outside the acceptance criteria for trichloroethene (0%/0%). The unacceptable percent recoveries are attributed to the elevated concentration of target compound present in the native sample.

Perfluorinated Alkyl Acids by Isotope Dilution

L1826668-01 through -08 and WG1135994QC: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

The WG1135994-2/-3 LCS/LCSD RPD, associated with L1826668-01 through -08, is above the acceptance criteria for perfluorooctanesulfonamide (fosa) (32%).

The continuing calibration standard WG1136327-2, associated with L1826668 as well as the associated QC, had the response for Perfluorodecanesulfonic Acid (PFDS) (69.1%D) outside the acceptance criteria for the method. These compounds represented less than 10% of the total analytes evaluated, and the %D were within 60-140%; therefore, analysis proceeded.

CCALS: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Since the associated target analytes were within acceptance criteria, no actions were taken and analysis proceeded.

Total Metals

The WG1136849-3/-4 MS/MSD recoveries for calcium (71%/66%) and manganese (43%/34%), performed on

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Case Narrative (continued)

L1826668-07, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG1136849-4 MSD recovery, performed on L1826668-07, is outside the acceptance criteria for sodium (64%). A post digestion spike was performed and was within acceptance criteria.

Dissolved Metals

The WG1136581-1 Method Blank, associated with L1826668-07 and -08, has a concentration above the reporting limit for aluminum. Since the samples were non-detect to the RL for this target analyte, no further actions were taken. The results of the original analysis are reported.

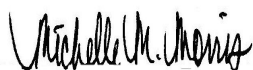
The WG1136581-3 MS recovery for calcium (67%), performed on L1826668-07, does not apply because the sample concentration is greater than four times the spike amount added.

The WG1136581-3 MS recovery, performed on L1826668-07, is outside the acceptance criteria for iron (127%). A post digestion spike was performed and was within acceptance criteria.

The WG1136581-4 MSD recovery, performed on L1826668-07, is outside the acceptance criteria for sodium (171%). A post digestion spike was performed and was within acceptance criteria.

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

Authorized Signature:



Michelle M. Morris

Title: Technical Director/Representative

Date: 07/23/18

ORGANICS

VOLATILES

Project Name: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER A**Report Date:** 07/23/18**SAMPLE RESULTS**

Lab ID: L1826668-01

Date Collected: 07/12/18 13:20

Client ID: MW-3S

Date Received: 07/12/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 07/16/18 16:58

Analyst: AD

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	0.71	J	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	5.6		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: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER AVE**Report Date:** 07/23/18**SAMPLE RESULTS**

Lab ID: L1826668-01

Date Collected: 07/12/18 13:20

Client ID: MW-3S

Date Received: 07/12/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	0.48	J	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	7.8		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: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER A**Report Date:** 07/23/18**SAMPLE RESULTS****Lab ID:** L1826668-01**Date Collected:** 07/12/18 13:20**Client ID:** MW-3S**Date Received:** 07/12/18**Sample Location:** BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	105		70-130

Project Name: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER A**Report Date:** 07/23/18**SAMPLE RESULTS**

Lab ID: L1826668-02

Date Collected: 07/12/18 11:25

Client ID: MW-2

Date Received: 07/12/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 07/16/18 17:35

Analyst: AD

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	8.0		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	0.47	J	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	1.1		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: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER AVE**Report Date:** 07/23/18**SAMPLE RESULTS****Lab ID:** L1826668-02**Date Collected:** 07/12/18 11:25**Client ID:** MW-2**Date Received:** 07/12/18**Sample Location:** BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	27		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	5.0		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	46		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	46		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	2.3	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER A**Report Date:** 07/23/18**SAMPLE RESULTS****Lab ID:** L1826668-02**Date Collected:** 07/12/18 11:25**Client ID:** MW-2**Date Received:** 07/12/18**Sample Location:** BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	106		70-130

Project Name: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER A**Report Date:** 07/23/18**SAMPLE RESULTS**

Lab ID: L1826668-03

Date Collected: 07/12/18 13:25

Client ID: MW-4B

Date Received: 07/12/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 07/16/18 18:13

Analyst: AD

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: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER AVE**Report Date:** 07/23/18**SAMPLE RESULTS****Lab ID:** L1826668-03**Date Collected:** 07/12/18 13:25**Client ID:** MW-4B**Date Received:** 07/12/18**Sample Location:** BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	0.20	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	1.9	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	0.82	J	ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER A**Report Date:** 07/23/18**SAMPLE RESULTS****Lab ID:** L1826668-03**Date Collected:** 07/12/18 13:25**Client ID:** MW-4B**Date Received:** 07/12/18**Sample Location:** BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	106		70-130

Project Name: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER A**Report Date:** 07/23/18**SAMPLE RESULTS**

Lab ID: L1826668-04

Date Collected: 07/12/18 13:40

Client ID: MW-4B DUP

Date Received: 07/12/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 07/16/18 18:51

Analyst: AD

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: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER AVE**Report Date:** 07/23/18**SAMPLE RESULTS**

Lab ID: L1826668-04

Date Collected: 07/12/18 13:40

Client ID: MW-4B DUP

Date Received: 07/12/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	3.0	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	0.85	J	ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER A**Report Date:** 07/23/18**SAMPLE RESULTS**

Lab ID: L1826668-04

Date Collected: 07/12/18 13:40

Client ID: MW-4B DUP

Date Received: 07/12/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	106		70-130

Project Name: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER A**Report Date:** 07/23/18**SAMPLE RESULTS**

Lab ID: L1826668-05

Date Collected: 07/12/18 15:00

Client ID: MW-4S

Date Received: 07/12/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 07/16/18 19:29

Analyst: AD

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: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER AVE**Report Date:** 07/23/18**SAMPLE RESULTS**

Lab ID: L1826668-05

Date Collected: 07/12/18 15:00

Client ID: MW-4S

Date Received: 07/12/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	3.3	J	ug/l	5.0	1.5	1
Carbon disulfide	1.1	J	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: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER A**Report Date:** 07/23/18**SAMPLE RESULTS****Lab ID:** L1826668-05**Date Collected:** 07/12/18 15:00**Client ID:** MW-4S**Date Received:** 07/12/18**Sample Location:** BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	105		70-130

Project Name: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER A**Report Date:** 07/23/18**SAMPLE RESULTS**

Lab ID: L1826668-07 D

Date Collected: 07/12/18 09:35

Client ID: MW-1B

Date Received: 07/12/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 07/17/18 12:09

Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	50	14.	20
1,1-Dichloroethane	ND		ug/l	50	14.	20
Chloroform	ND		ug/l	50	14.	20
Carbon tetrachloride	ND		ug/l	10	2.7	20
1,2-Dichloropropane	ND		ug/l	20	2.7	20
Dibromochloromethane	ND		ug/l	10	3.0	20
1,1,2-Trichloroethane	ND		ug/l	30	10.	20
Tetrachloroethene	800		ug/l	10	3.6	20
Chlorobenzene	ND		ug/l	50	14.	20
Trichlorofluoromethane	ND		ug/l	50	14.	20
1,2-Dichloroethane	ND		ug/l	10	2.6	20
1,1,1-Trichloroethane	ND		ug/l	50	14.	20
Bromodichloromethane	ND		ug/l	10	3.8	20
trans-1,3-Dichloropropene	ND		ug/l	10	3.3	20
cis-1,3-Dichloropropene	ND		ug/l	10	2.9	20
1,3-Dichloropropene, Total	ND		ug/l	10	2.9	20
1,1-Dichloropropene	ND		ug/l	50	14.	20
Bromoform	ND		ug/l	40	13.	20
1,1,2,2-Tetrachloroethane	ND		ug/l	10	3.3	20
Benzene	ND		ug/l	10	3.2	20
Toluene	ND		ug/l	50	14.	20
Ethylbenzene	ND		ug/l	50	14.	20
Chloromethane	ND		ug/l	50	14.	20
Bromomethane	ND		ug/l	50	14.	20
Vinyl chloride	2.9	J	ug/l	20	1.4	20
Chloroethane	ND		ug/l	50	14.	20
1,1-Dichloroethene	ND		ug/l	10	3.4	20
trans-1,2-Dichloroethene	76		ug/l	50	14.	20

Project Name: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER AVE**Report Date:** 07/23/18**SAMPLE RESULTS**

Lab ID: L1826668-07 D

Date Collected: 07/12/18 09:35

Client ID: MW-1B

Date Received: 07/12/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	1900		ug/l	10	3.5	20
1,2-Dichlorobenzene	ND		ug/l	50	14.	20
1,3-Dichlorobenzene	ND		ug/l	50	14.	20
1,4-Dichlorobenzene	ND		ug/l	50	14.	20
Methyl tert butyl ether	ND		ug/l	50	14.	20
p/m-Xylene	ND		ug/l	50	14.	20
o-Xylene	ND		ug/l	50	14.	20
Xylenes, Total	ND		ug/l	50	14.	20
cis-1,2-Dichloroethene	420		ug/l	50	14.	20
1,2-Dichloroethene, Total	500		ug/l	50	14.	20
Dibromomethane	ND		ug/l	100	20.	20
1,2,3-Trichloropropane	ND		ug/l	50	14.	20
Acrylonitrile	ND		ug/l	100	30.	20
Styrene	ND		ug/l	50	14.	20
Dichlorodifluoromethane	ND		ug/l	100	20.	20
Acetone	ND		ug/l	100	29.	20
Carbon disulfide	ND		ug/l	100	20.	20
2-Butanone	ND		ug/l	100	39.	20
Vinyl acetate	ND		ug/l	100	20.	20
4-Methyl-2-pentanone	ND		ug/l	100	20.	20
2-Hexanone	ND		ug/l	100	20.	20
Bromochloromethane	ND		ug/l	50	14.	20
2,2-Dichloropropane	ND		ug/l	50	14.	20
1,2-Dibromoethane	ND		ug/l	40	13.	20
1,3-Dichloropropane	ND		ug/l	50	14.	20
1,1,1,2-Tetrachloroethane	ND		ug/l	50	14.	20
Bromobenzene	ND		ug/l	50	14.	20
n-Butylbenzene	ND		ug/l	50	14.	20
sec-Butylbenzene	ND		ug/l	50	14.	20
tert-Butylbenzene	ND		ug/l	50	14.	20
o-Chlorotoluene	ND		ug/l	50	14.	20
p-Chlorotoluene	ND		ug/l	50	14.	20
1,2-Dibromo-3-chloropropane	ND		ug/l	50	14.	20
Hexachlorobutadiene	ND		ug/l	50	14.	20
Isopropylbenzene	ND		ug/l	50	14.	20
p-Isopropyltoluene	ND		ug/l	50	14.	20
Naphthalene	ND		ug/l	50	14.	20

Project Name: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER A**Report Date:** 07/23/18**SAMPLE RESULTS**

Lab ID: L1826668-07 D

Date Collected: 07/12/18 09:35

Client ID: MW-1B

Date Received: 07/12/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	50	14.	20
1,2,3-Trichlorobenzene	ND		ug/l	50	14.	20
1,2,4-Trichlorobenzene	ND		ug/l	50	14.	20
1,3,5-Trimethylbenzene	ND		ug/l	50	14.	20
1,2,4-Trimethylbenzene	ND		ug/l	50	14.	20
1,4-Dioxane	ND		ug/l	5000	1200	20
p-Diethylbenzene	ND		ug/l	40	14.	20
p-Ethyltoluene	ND		ug/l	40	14.	20
1,2,4,5-Tetramethylbenzene	ND		ug/l	40	11.	20
Ethyl ether	ND		ug/l	50	14.	20
trans-1,4-Dichloro-2-butene	ND		ug/l	50	14.	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	107		70-130

Project Name: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER A**Report Date:** 07/23/18**SAMPLE RESULTS**

Lab ID: L1826668-08 D

Date Collected: 07/12/18 11:20

Client ID: MW-1

Date Received: 07/12/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 07/16/18 20:06

Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	50	14.	20
1,1-Dichloroethane	ND		ug/l	50	14.	20
Chloroform	ND		ug/l	50	14.	20
Carbon tetrachloride	ND		ug/l	10	2.7	20
1,2-Dichloropropane	ND		ug/l	20	2.7	20
Dibromochloromethane	ND		ug/l	10	3.0	20
1,1,2-Trichloroethane	ND		ug/l	30	10.	20
Tetrachloroethene	1300		ug/l	10	3.6	20
Chlorobenzene	ND		ug/l	50	14.	20
Trichlorofluoromethane	ND		ug/l	50	14.	20
1,2-Dichloroethane	ND		ug/l	10	2.6	20
1,1,1-Trichloroethane	ND		ug/l	50	14.	20
Bromodichloromethane	ND		ug/l	10	3.8	20
trans-1,3-Dichloropropene	ND		ug/l	10	3.3	20
cis-1,3-Dichloropropene	ND		ug/l	10	2.9	20
1,3-Dichloropropene, Total	ND		ug/l	10	2.9	20
1,1-Dichloropropene	ND		ug/l	50	14.	20
Bromoform	ND		ug/l	40	13.	20
1,1,2,2-Tetrachloroethane	ND		ug/l	10	3.3	20
Benzene	ND		ug/l	10	3.2	20
Toluene	ND		ug/l	50	14.	20
Ethylbenzene	ND		ug/l	50	14.	20
Chloromethane	ND		ug/l	50	14.	20
Bromomethane	ND		ug/l	50	14.	20
Vinyl chloride	ND		ug/l	20	1.4	20
Chloroethane	ND		ug/l	50	14.	20
1,1-Dichloroethene	ND		ug/l	10	3.4	20
trans-1,2-Dichloroethene	ND		ug/l	50	14.	20

Project Name: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER AVE**Report Date:** 07/23/18**SAMPLE RESULTS**

Lab ID: L1826668-08 D

Date Collected: 07/12/18 11:20

Client ID: MW-1

Date Received: 07/12/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	170		ug/l	10	3.5	20
1,2-Dichlorobenzene	ND		ug/l	50	14.	20
1,3-Dichlorobenzene	ND		ug/l	50	14.	20
1,4-Dichlorobenzene	ND		ug/l	50	14.	20
Methyl tert butyl ether	ND		ug/l	50	14.	20
p/m-Xylene	ND		ug/l	50	14.	20
o-Xylene	ND		ug/l	50	14.	20
Xylenes, Total	ND		ug/l	50	14.	20
cis-1,2-Dichloroethene	47	J	ug/l	50	14.	20
1,2-Dichloroethene, Total	47	J	ug/l	50	14.	20
Dibromomethane	ND		ug/l	100	20.	20
1,2,3-Trichloropropane	ND		ug/l	50	14.	20
Acrylonitrile	ND		ug/l	100	30.	20
Styrene	ND		ug/l	50	14.	20
Dichlorodifluoromethane	ND		ug/l	100	20.	20
Acetone	ND		ug/l	100	29.	20
Carbon disulfide	ND		ug/l	100	20.	20
2-Butanone	ND		ug/l	100	39.	20
Vinyl acetate	ND		ug/l	100	20.	20
4-Methyl-2-pentanone	ND		ug/l	100	20.	20
2-Hexanone	ND		ug/l	100	20.	20
Bromochloromethane	ND		ug/l	50	14.	20
2,2-Dichloropropane	ND		ug/l	50	14.	20
1,2-Dibromoethane	ND		ug/l	40	13.	20
1,3-Dichloropropane	ND		ug/l	50	14.	20
1,1,1,2-Tetrachloroethane	ND		ug/l	50	14.	20
Bromobenzene	ND		ug/l	50	14.	20
n-Butylbenzene	ND		ug/l	50	14.	20
sec-Butylbenzene	ND		ug/l	50	14.	20
tert-Butylbenzene	ND		ug/l	50	14.	20
o-Chlorotoluene	ND		ug/l	50	14.	20
p-Chlorotoluene	ND		ug/l	50	14.	20
1,2-Dibromo-3-chloropropane	ND		ug/l	50	14.	20
Hexachlorobutadiene	ND		ug/l	50	14.	20
Isopropylbenzene	ND		ug/l	50	14.	20
p-Isopropyltoluene	ND		ug/l	50	14.	20
Naphthalene	ND		ug/l	50	14.	20

Project Name: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER A**Report Date:** 07/23/18**SAMPLE RESULTS**

Lab ID: L1826668-08 D

Date Collected: 07/12/18 11:20

Client ID: MW-1

Date Received: 07/12/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	50	14.	20
1,2,3-Trichlorobenzene	ND		ug/l	50	14.	20
1,2,4-Trichlorobenzene	ND		ug/l	50	14.	20
1,3,5-Trimethylbenzene	ND		ug/l	50	14.	20
1,2,4-Trimethylbenzene	ND		ug/l	50	14.	20
1,4-Dioxane	ND		ug/l	5000	1200	20
p-Diethylbenzene	ND		ug/l	40	14.	20
p-Ethyltoluene	ND		ug/l	40	14.	20
1,2,4,5-Tetramethylbenzene	ND		ug/l	40	11.	20
Ethyl ether	ND		ug/l	50	14.	20
trans-1,4-Dichloro-2-butene	ND		ug/l	50	14.	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	106		70-130

Project Name: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER A**Report Date:** 07/23/18**SAMPLE RESULTS**

Lab ID: L1826668-09

Date Collected: 07/12/18 00:00

Client ID: TRIP BLANK

Date Received: 07/12/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 07/17/18 11:31

Analyst: AD

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: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER AVE**Report Date:** 07/23/18**SAMPLE RESULTS****Lab ID:** L1826668-09**Date Collected:** 07/12/18 00:00**Client ID:** TRIP BLANK**Date Received:** 07/12/18**Sample Location:** BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	3.0	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER A**Report Date:** 07/23/18**SAMPLE RESULTS****Lab ID:** L1826668-09**Date Collected:** 07/12/18 00:00**Client ID:** TRIP BLANK**Date Received:** 07/12/18**Sample Location:** BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	106		70-130

Project Name: 2135 WESTCHESTER AVE.

Lab Number: L1826668

Project Number: 2135 WESTCHESTER AVE

Report Date: 07/23/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/16/18 10:43
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05,08 Batch: WG1136462-5					
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: 2135 WESTCHESTER AVE.

Lab Number: L1826668

Project Number: 2135 WESTCHESTER AVE

Report Date: 07/23/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/16/18 10:43
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05,08 Batch: WG1136462-5					
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: 2135 WESTCHESTER AVE.

Lab Number: L1826668

Project Number: 2135 WESTCHESTER AVE

Report Date: 07/23/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/16/18 10:43
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05,08 Batch: WG1136462-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	105		70-130

Project Name: 2135 WESTCHESTER AVE.

Lab Number: L1826668

Project Number: 2135 WESTCHESTER AVE

Report Date: 07/23/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/17/18 09:37
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07,09 Batch: WG1136642-5					
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: 2135 WESTCHESTER AVE.

Lab Number: L1826668

Project Number: 2135 WESTCHESTER AVE

Report Date: 07/23/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/17/18 09:37
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07,09 Batch: WG1136642-5					
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: 2135 WESTCHESTER AVE.

Lab Number: L1826668

Project Number: 2135 WESTCHESTER AVE

Report Date: 07/23/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/17/18 09:37
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07,09 Batch: WG1136642-5					
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	110		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	105		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2135 WESTCHESTER AVE.

Lab Number: L1826668

Project Number: 2135 WESTCHESTER AVE

Report Date: 07/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05,08 Batch: WG1136462-3 WG1136462-4								
Methylene chloride	100		110		70-130	10		20
1,1-Dichloroethane	96		96		70-130	0		20
Chloroform	99		100		70-130	1		20
Carbon tetrachloride	92		98		63-132	6		20
1,2-Dichloropropane	95		96		70-130	1		20
Dibromochloromethane	85		92		63-130	8		20
1,1,2-Trichloroethane	95		100		70-130	5		20
Tetrachloroethene	82		86		70-130	5		20
Chlorobenzene	89		93		75-130	4		20
Trichlorofluoromethane	90		95		62-150	5		20
1,2-Dichloroethane	97		100		70-130	3		20
1,1,1-Trichloroethane	93		98		67-130	5		20
Bromodichloromethane	100		100		67-130	0		20
trans-1,3-Dichloropropene	94		97		70-130	3		20
cis-1,3-Dichloropropene	100		100		70-130	0		20
1,1-Dichloropropene	96		97		70-130	1		20
Bromoform	83		89		54-136	7		20
1,1,2,2-Tetrachloroethane	100		110		67-130	10		20
Benzene	100		100		70-130	0		20
Toluene	89		94		70-130	5		20
Ethylbenzene	95		100		70-130	5		20
Chloromethane	120		120		64-130	0		20
Bromomethane	120		130		39-139	8		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2135 WESTCHESTER AVE.

Lab Number: L1826668

Project Number: 2135 WESTCHESTER AVE

Report Date: 07/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05,08 Batch: WG1136462-3 WG1136462-4								
Vinyl chloride	110		110		55-140	0		20
Chloroethane	100		100		55-138	0		20
1,1-Dichloroethene	93		95		61-145	2		20
trans-1,2-Dichloroethene	94		100		70-130	6		20
Trichloroethene	98		100		70-130	2		20
1,2-Dichlorobenzene	89		94		70-130	5		20
1,3-Dichlorobenzene	90		94		70-130	4		20
1,4-Dichlorobenzene	89		93		70-130	4		20
Methyl tert butyl ether	100		110		63-130	10		20
p/m-Xylene	95		100		70-130	5		20
o-Xylene	100		105		70-130	5		20
cis-1,2-Dichloroethene	100		99		70-130	1		20
Dibromomethane	100		100		70-130	0		20
1,2,3-Trichloropropane	96		100		64-130	4		20
Acrylonitrile	110		120		70-130	9		20
Styrene	100		110		70-130	10		20
Dichlorodifluoromethane	96		100		36-147	4		20
Acetone	120		120		58-148	0		20
Carbon disulfide	100		110		51-130	10		20
2-Butanone	120		130		63-138	8		20
Vinyl acetate	110		120		70-130	9		20
4-Methyl-2-pentanone	95		100		59-130	5		20
2-Hexanone	100		110		57-130	10		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 2135 WESTCHESTER AVE.

Lab Number: L1826668

Project Number: 2135 WESTCHESTER AVE

Report Date: 07/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05,08 Batch: WG1136462-3 WG1136462-4								
Bromochloromethane	94		98		70-130	4		20
2,2-Dichloropropane	96		98		63-133	2		20
1,2-Dibromoethane	91		98		70-130	7		20
1,3-Dichloropropane	93		99		70-130	6		20
1,1,1,2-Tetrachloroethane	85		92		64-130	8		20
Bromobenzene	83		86		70-130	4		20
n-Butylbenzene	100		110		53-136	10		20
sec-Butylbenzene	95		100		70-130	5		20
tert-Butylbenzene	91		96		70-130	5		20
o-Chlorotoluene	97		100		70-130	3		20
p-Chlorotoluene	99		100		70-130	1		20
1,2-Dibromo-3-chloropropane	85		94		41-144	10		20
Hexachlorobutadiene	100		110		63-130	10		20
Isopropylbenzene	96		100		70-130	4		20
p-Isopropyltoluene	93		99		70-130	6		20
Naphthalene	130		160	Q	70-130	21	Q	20
n-Propylbenzene	99		100		69-130	1		20
1,2,3-Trichlorobenzene	200	Q	240	Q	70-130	18		20
1,2,4-Trichlorobenzene	100		120		70-130	18		20
1,3,5-Trimethylbenzene	98		100		64-130	2		20
1,2,4-Trimethylbenzene	99		100		70-130	1		20
1,4-Dioxane	138		166	Q	56-162	18		20
p-Diethylbenzene	96		100		70-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2135 WESTCHESTER AVE.

Lab Number: L1826668

Project Number: 2135 WESTCHESTER AVE

Report Date: 07/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05,08 Batch: WG1136462-3 WG1136462-4								
p-Ethyltoluene	98		100		70-130	2		20
1,2,4,5-Tetramethylbenzene	94		100		70-130	6		20
Ethyl ether	100		110		59-134	10		20
trans-1,4-Dichloro-2-butene	94		100		70-130	6		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	108		105		70-130
Toluene-d8	100		99		70-130
4-Bromofluorobenzene	111		108		70-130
Dibromofluoromethane	106		107		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 2135 WESTCHESTER AVE.

Lab Number: L1826668

Project Number: 2135 WESTCHESTER AVE

Report Date: 07/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07,09 Batch: WG1136642-3 WG1136642-4								
Methylene chloride	100		110		70-130	10		20
1,1-Dichloroethane	98		96		70-130	2		20
Chloroform	99		100		70-130	1		20
Carbon tetrachloride	100		100		63-132	0		20
1,2-Dichloropropane	95		98		70-130	3		20
Dibromochloromethane	88		89		63-130	1		20
1,1,2-Trichloroethane	99		99		70-130	0		20
Tetrachloroethene	88		84		70-130	5		20
Chlorobenzene	92		91		75-130	1		20
Trichlorofluoromethane	100		99		62-150	1		20
1,2-Dichloroethane	100		100		70-130	0		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	100		100		67-130	0		20
trans-1,3-Dichloropropene	98		95		70-130	3		20
cis-1,3-Dichloropropene	100		100		70-130	0		20
1,1-Dichloropropene	100		100		70-130	0		20
Bromoform	89		88		54-136	1		20
1,1,2,2-Tetrachloroethane	110		110		67-130	0		20
Benzene	100		100		70-130	0		20
Toluene	91		90		70-130	1		20
Ethylbenzene	98		98		70-130	0		20
Chloromethane	130		120		64-130	8		20
Bromomethane	110		120		39-139	9		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2135 WESTCHESTER AVE.

Project Number: 2135 WESTCHESTER AVE

Lab Number: L1826668

Report Date: 07/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07,09 Batch: WG1136642-3 WG1136642-4								
Vinyl chloride	110		110		55-140	0		20
Chloroethane	100		100		55-138	0		20
1,1-Dichloroethene	98		96		61-145	2		20
trans-1,2-Dichloroethene	99		97		70-130	2		20
Trichloroethene	100		100		70-130	0		20
1,2-Dichlorobenzene	92		94		70-130	2		20
1,3-Dichlorobenzene	91		92		70-130	1		20
1,4-Dichlorobenzene	91		91		70-130	0		20
Methyl tert butyl ether	110		110		63-130	0		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Dibromomethane	110		110		70-130	0		20
1,2,3-Trichloropropane	100		100		64-130	0		20
Acrylonitrile	120		120		70-130	0		20
Styrene	105		105		70-130	0		20
Dichlorodifluoromethane	120		110		36-147	9		20
Acetone	130		120		58-148	8		20
Carbon disulfide	110		110		51-130	0		20
2-Butanone	140	Q	140	Q	63-138	0		20
Vinyl acetate	120		120		70-130	0		20
4-Methyl-2-pentanone	100		100		59-130	0		20
2-Hexanone	110		110		57-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2135 WESTCHESTER AVE.

Lab Number: L1826668

Project Number: 2135 WESTCHESTER AVE

Report Date: 07/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07,09 Batch: WG1136642-3 WG1136642-4								
Bromochloromethane	96		99		70-130	3		20
2,2-Dichloropropane	100		100		63-133	0		20
1,2-Dibromoethane	96		97		70-130	1		20
1,3-Dichloropropane	98		98		70-130	0		20
1,1,1,2-Tetrachloroethane	89		89		64-130	0		20
Bromobenzene	83		84		70-130	1		20
n-Butylbenzene	100		110		53-136	10		20
sec-Butylbenzene	100		100		70-130	0		20
tert-Butylbenzene	94		95		70-130	1		20
o-Chlorotoluene	98		98		70-130	0		20
p-Chlorotoluene	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	91		97		41-144	6		20
Hexachlorobutadiene	110		120		63-130	9		20
Isopropylbenzene	98		99		70-130	1		20
p-Isopropyltoluene	95		98		70-130	3		20
Naphthalene	160	Q	170	Q	70-130	6		20
n-Propylbenzene	100		100		69-130	0		20
1,2,3-Trichlorobenzene	240	Q	260	Q	70-130	8		20
1,2,4-Trichlorobenzene	110		120		70-130	9		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,2,4-Trimethylbenzene	100		100		70-130	0		20
1,4-Dioxane	80		132		56-162	49	Q	20
p-Diethylbenzene	98		100		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2135 WESTCHESTER AVE.

Project Number: 2135 WESTCHESTER AVE

Lab Number: L1826668

Report Date: 07/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07,09 Batch: WG1136642-3 WG1136642-4								
p-Ethyltoluene	100		100		70-130	0		20
1,2,4,5-Tetramethylbenzene	99		100		70-130	1		20
Ethyl ether	110		110		59-134	0		20
trans-1,4-Dichloro-2-butene	94		99		70-130	5		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	109		110		70-130
Toluene-d8	99		96		70-130
4-Bromofluorobenzene	111		110		70-130
Dibromofluoromethane	106		107		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: 2135 WESTCHESTER AVE.

Project Number: 2135 WESTCHESTER AVE

Lab Number: L1826668

Report Date: 07/23/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07,09 QC Batch ID: WG1136642-8 WG1136642-9 QC Sample: L1826668-07 Client ID: MW-1B												
Methylene chloride	ND	200	230	115		240	120		70-130	4		20
1,1-Dichloroethane	ND	200	210	105		220	110		70-130	5		20
Chloroform	ND	200	220	110		230	115		70-130	4		20
Carbon tetrachloride	ND	200	220	110		210	105		63-132	5		20
1,2-Dichloropropane	ND	200	210	105		210	105		70-130	0		20
Dibromochloromethane	ND	200	180	90		180	90		63-130	0		20
1,1,2-Trichloroethane	ND	200	210	105		220	110		70-130	5		20
Tetrachloroethene	800	200	1800	500	Q	1800	500	Q	70-130	0		20
Chlorobenzene	ND	200	190	95		190	95		75-130	0		20
Trichlorofluoromethane	ND	200	230	115		220	110		62-150	4		20
1,2-Dichloroethane	ND	200	220	110		220	110		70-130	0		20
1,1,1-Trichloroethane	ND	200	220	110		220	110		67-130	0		20
Bromodichloromethane	ND	200	220	110		220	110		67-130	0		20
trans-1,3-Dichloropropene	ND	200	190	95		190	95		70-130	0		20
cis-1,3-Dichloropropene	ND	200	210	105		210	105		70-130	0		20
1,1-Dichloropropene	ND	200	220	110		220	110		70-130	0		20
Bromoform	ND	200	160	80		170	85		54-136	6		20
1,1,2,2-Tetrachloroethane	ND	200	230	115		230	115		67-130	0		20
Benzene	ND	200	230	115		230	115		70-130	0		20
Toluene	ND	200	190	95		190	95		70-130	0		20
Ethylbenzene	ND	200	200	100		200	100		70-130	0		20
Chloromethane	ND	200	220	110		230	115		64-130	4		20
Bromomethane	ND	200	190	95		210	105		39-139	10		20

Matrix Spike Analysis

Batch Quality Control

Project Name: 2135 WESTCHESTER AVE.

Project Number: 2135 WESTCHESTER AVE

Lab Number: L1826668

Report Date: 07/23/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07,09 QC Batch ID: WG1136642-8 WG1136642-9 QC Sample: L1826668-07 Client ID: MW-1B												
Vinyl chloride	2.9J	200	240	120		240	120		55-140	0		20
Chloroethane	ND	200	230	115		230	115		55-138	0		20
1,1-Dichloroethene	ND	200	220	110		220	110		61-145	0		20
trans-1,2-Dichloroethene	76	200	240	82		240	82		70-130	0		20
Trichloroethene	1900	200	1200	0	Q	1200	0	Q	70-130	0		20
1,2-Dichlorobenzene	ND	200	190	95		190	95		70-130	0		20
1,3-Dichlorobenzene	ND	200	180	90		190	95		70-130	5		20
1,4-Dichlorobenzene	ND	200	180	90		190	95		70-130	5		20
Methyl tert butyl ether	ND	200	240	120		240	120		63-130	0		20
p/m-Xylene	ND	400	400	100		410	103		70-130	2		20
o-Xylene	ND	400	420	105		420	105		70-130	0		20
cis-1,2-Dichloroethene	420	200	630	105		640	110		70-130	2		20
Dibromomethane	ND	200	230	115		230	115		70-130	0		20
1,2,3-Trichloropropane	ND	200	210	105		220	110		64-130	5		20
Acrylonitrile	ND	200	250	125		260	130		70-130	4		20
Styrene	ND	400	430	108		430	108		70-130	0		20
Dichlorodifluoromethane	ND	200	260	130		250	125		36-147	4		20
Acetone	ND	200	250	125		260	130		58-148	4		20
Carbon disulfide	ND	200	240	120		240	120		51-130	0		20
2-Butanone	ND	200	270	135		280	140	Q	63-138	4		20
Vinyl acetate	ND	200	260	130		260	130		70-130	0		20
4-Methyl-2-pentanone	ND	200	210	105		220	110		59-130	5		20
2-Hexanone	ND	200	240	120		240	120		57-130	0		20

Matrix Spike Analysis

Batch Quality Control

Project Name: 2135 WESTCHESTER AVE.

Project Number: 2135 WESTCHESTER AVE

Lab Number: L1826668

Report Date: 07/23/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07,09 QC Batch ID: WG1136642-8 WG1136642-9 QC Sample: L1826668-07 Client ID: MW-1B												
Bromochloromethane	ND	200	210	105		220	110		70-130	5		20
2,2-Dichloropropane	ND	200	170	85		170	85		63-133	0		20
1,2-Dibromoethane	ND	200	210	105		210	105		70-130	0		20
1,3-Dichloropropane	ND	200	210	105		210	105		70-130	0		20
1,1,1,2-Tetrachloroethane	ND	200	180	90		180	90		64-130	0		20
Bromobenzene	ND	200	170	85		180	90		70-130	6		20
n-Butylbenzene	ND	200	200	100		200	100		53-136	0		20
sec-Butylbenzene	ND	200	200	100		200	100		70-130	0		20
tert-Butylbenzene	ND	200	190	95		190	95		70-130	0		20
o-Chlorotoluene	ND	200	200	100		200	100		70-130	0		20
p-Chlorotoluene	ND	200	200	100		200	100		70-130	0		20
1,2-Dibromo-3-chloropropane	ND	200	180	90		190	95		41-144	5		20
Hexachlorobutadiene	ND	200	210	105		210	105		63-130	0		20
Isopropylbenzene	ND	200	200	100		200	100		70-130	0		20
p-Isopropyltoluene	ND	200	190	95		190	95		70-130	0		20
Naphthalene	ND	200	360	180	Q	360	180	Q	70-130	0		20
n-Propylbenzene	ND	200	200	100		200	100		69-130	0		20
1,2,3-Trichlorobenzene	ND	200	570	285	Q	540	270	Q	70-130	5		20
1,2,4-Trichlorobenzene	ND	200	240	120		240	120		70-130	0		20
1,3,5-Trimethylbenzene	ND	200	200	100		200	100		64-130	0		20
1,2,4-Trimethylbenzene	ND	200	200	100		200	100		70-130	0		20
1,4-Dioxane	ND	10000	13000	130		13000	130		56-162	0		20
p-Diethylbenzene	ND	200	190	95		190	95		70-130	0		20

Matrix Spike Analysis*Batch Quality Control***Project Name:** 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER AVE**Report Date:** 07/23/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07,09 QC Batch ID: WG1136642-8 WG1136642-9 QC Sample: L1826668-07 Client ID: MW-1B												
p-Ethyltoluene	ND	200	200	100		200	100		70-130	0		20
1,2,4,5-Tetramethylbenzene	ND	200	200	100		200	100		70-130	0		20
Ethyl ether	ND	200	230	115		230	115		59-134	0		20
trans-1,4-Dichloro-2-butene	ND	200	170	85		170	85		70-130	0		20

Surrogate	MS % Recovery	Qualifier	MSD % Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		108		70-130
4-Bromofluorobenzene	109		108		70-130
Dibromofluoromethane	107		105		70-130
Toluene-d8	97		97		70-130

SEMIVOLATILES

Project Name: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER A**Report Date:** 07/23/18**SAMPLE RESULTS**

Lab ID: L1826668-01

Date Collected: 07/12/18 13:20

Client ID: MW-3S

Date Received: 07/12/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 537

Analytical Method: 122,537(M)

Extraction Date: 07/16/18 10:30

Analytical Date: 07/17/18 13:41

Analyst: AJ

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	20.0		ng/l	2.00	0.131	1
Perfluoropentanoic Acid (PFPeA)	38.9		ng/l	2.00	0.086	1
Perfluorobutanesulfonic Acid (PFBS)	9.13		ng/l	2.00	0.110	1
Perfluorohexanoic Acid (PFHxA)	36.2		ng/l	2.00	0.126	1
Perfluoroheptanoic Acid (PFHpA)	19.8		ng/l	2.00	0.092	1
Perfluorohexanesulfonic Acid (PFHxS)	2.67		ng/l	2.00	0.108	1
Perfluorooctanoic Acid (PFOA)	45.4		ng/l	2.00	0.050	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	4.05		ng/l	2.00	0.194	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.155	1
Perfluorononanoic Acid (PFNA)	5.34		ng/l	2.00	0.101	1
Perfluorooctanesulfonic Acid (PFOS)	22.9		ng/l	2.00	0.112	1
Perfluorodecanoic Acid (PFDA)	2.45		ng/l	2.00	0.190	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	0.291	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.250	1
Perfluoroundecanoic Acid (PFUnA)	0.376	J	ng/l	2.00	0.191	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.222	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.227	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.728	J	ng/l	2.00	0.373	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.092	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.090	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.072	1

Project Name: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER A**Report Date:** 07/23/18**SAMPLE RESULTS**

Lab ID: L1826668-01

Date Collected: 07/12/18 13:20

Client ID: MW-3S

Date Received: 07/12/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	50		50-150
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	59		50-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	92		50-150
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	50		50-150
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	58		50-150
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	96		50-150
Perfluoro[13C8]Octanoic Acid (M8PFOA)	64		50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	177	Q	50-150
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	64		50-150
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	89		50-150
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	71		50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	115		50-150
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	121		50-150
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	71		50-150
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	7	Q	50-150
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	112		50-150
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	53		50-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	79		50-150

Project Name: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER A**Report Date:** 07/23/18**SAMPLE RESULTS**

Lab ID: L1826668-02

Date Collected: 07/12/18 11:25

Client ID: MW-2

Date Received: 07/12/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 1,8270D-SIM

Extraction Date: 07/19/18 10:30

Analytical Date: 07/23/18 12:26

Analyst: TJ

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	ND		ug/l	0.156	0.0781	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
1,4-Dioxane-d8	24			15-110		

Project Name: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER A**Report Date:** 07/23/18**SAMPLE RESULTS**

Lab ID: L1826668-02

Date Collected: 07/12/18 11:25

Client ID: MW-2

Date Received: 07/12/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 537

Analytical Method: 122,537(M)

Extraction Date: 07/16/18 10:30

Analytical Date: 07/17/18 13:58

Analyst: AJ

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	12.0		ng/l	1.85	0.121	1
Perfluoropentanoic Acid (PFPeA)	15.5		ng/l	1.85	0.079	1
Perfluorobutanesulfonic Acid (PFBS)	2.72		ng/l	1.85	0.102	1
Perfluorohexanoic Acid (PFHxA)	16.1		ng/l	1.85	0.117	1
Perfluoroheptanoic Acid (PFHpA)	9.78		ng/l	1.85	0.086	1
Perfluorohexanesulfonic Acid (PFHxS)	15.4		ng/l	1.85	0.100	1
Perfluorooctanoic Acid (PFOA)	32.4		ng/l	1.85	0.047	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	4.37		ng/l	1.85	0.180	1
Perfluoroheptanesulfonic Acid (PFHpS)	1.34	J	ng/l	1.85	0.144	1
Perfluorononanoic Acid (PFNA)	4.98		ng/l	1.85	0.093	1
Perfluorooctanesulfonic Acid (PFOS)	95.9		ng/l	1.85	0.103	1
Perfluorodecanoic Acid (PFDA)	4.27		ng/l	1.85	0.176	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	2.32		ng/l	1.85	0.269	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	18.6		ng/l	1.85	0.232	1
Perfluoroundecanoic Acid (PFUnA)	0.804	J	ng/l	1.85	0.177	1
Perfluorodecanesulfonic Acid (PFDS)	0.804	J	ng/l	1.85	0.206	1
Perfluorooctanesulfonamide (FOSA)	3.77		ng/l	1.85	0.210	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	4.41		ng/l	1.85	0.345	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.85	0.085	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.85	0.084	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.85	0.067	1

Project Name: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER A**Report Date:** 07/23/18**SAMPLE RESULTS**

Lab ID: L1826668-02

Date Collected: 07/12/18 11:25

Client ID: MW-2

Date Received: 07/12/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	93		50-150
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	194	Q	50-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	97		50-150
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	91		50-150
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	98		50-150
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	98		50-150
Perfluoro[13C8]Octanoic Acid (M8PFOA)	98		50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	166	Q	50-150
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	94		50-150
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	83		50-150
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	83		50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	354	Q	50-150
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	72		50-150
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	67		50-150
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	28	Q	50-150
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	69		50-150
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	58		50-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	43	Q	50-150

Project Name: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER A**Report Date:** 07/23/18**SAMPLE RESULTS**

Lab ID: L1826668-03

Date Collected: 07/12/18 13:25

Client ID: MW-4B

Date Received: 07/12/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 1,8270D-SIM

Extraction Date: 07/19/18 10:30

Analytical Date: 07/23/18 12:57

Analyst: TJ

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	ND		ug/l	0.150	0.0750	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
1,4-Dioxane-d8	22			15-110		

Project Name: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER A**Report Date:** 07/23/18**SAMPLE RESULTS**

Lab ID: L1826668-03

Date Collected: 07/12/18 13:25

Client ID: MW-4B

Date Received: 07/12/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 537

Analytical Method: 122,537(M)

Extraction Date: 07/16/18 10:30

Analytical Date: 07/17/18 14:14

Analyst: AJ

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	19.4		ng/l	1.92	0.126	1
Perfluoropentanoic Acid (PFPeA)	20.9		ng/l	1.92	0.082	1
Perfluorobutanesulfonic Acid (PFBS)	6.99		ng/l	1.92	0.106	1
Perfluorohexanoic Acid (PFHxA)	24.7		ng/l	1.92	0.122	1
Perfluoroheptanoic Acid (PFHpA)	18.8		ng/l	1.92	0.089	1
Perfluorohexanesulfonic Acid (PFHxS)	9.28		ng/l	1.92	0.103	1
Perfluorooctanoic Acid (PFOA)	69.4		ng/l	1.92	0.049	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	2.29		ng/l	1.92	0.186	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.92	0.149	1
Perfluorononanoic Acid (PFNA)	1.41	J	ng/l	1.92	0.097	1
Perfluorooctanesulfonic Acid (PFOS)	10.9		ng/l	1.92	0.107	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.92	0.183	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.92	0.280	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.92	0.241	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.92	0.184	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.92	0.214	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.92	0.218	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.92	0.358	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.92	0.088	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.92	0.087	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.92	0.069	1

Project Name: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER A**Report Date:** 07/23/18**SAMPLE RESULTS**

Lab ID: L1826668-03

Date Collected: 07/12/18 13:25

Client ID: MW-4B

Date Received: 07/12/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Surrogate	% Recovery			Qualifier	Acceptance Criteria	
Perfluoro[13C4]Butanoic Acid (MPFBA)	89				50-150	
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	102				50-150	
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	84				50-150	
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	82				50-150	
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	84				50-150	
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	89				50-150	
Perfluoro[13C8]Octanoic Acid (M8PFOA)	88				50-150	
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	147				50-150	
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	83				50-150	
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	73				50-150	
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	77				50-150	
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	295			Q	50-150	
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	118				50-150	
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	68				50-150	
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	18			Q	50-150	
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	76				50-150	
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	63				50-150	
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	55				50-150	

Project Name: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER A**Report Date:** 07/23/18**SAMPLE RESULTS**

Lab ID: L1826668-04

Date Collected: 07/12/18 13:40

Client ID: MW-4B DUP

Date Received: 07/12/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 1,8270D-SIM

Extraction Date: 07/19/18 10:30

Analytical Date: 07/23/18 13:27

Analyst: TJ

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	ND		ug/l	0.156	0.0781	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
1,4-Dioxane-d8	28			15-110		

Project Name: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER A**Report Date:** 07/23/18**SAMPLE RESULTS**

Lab ID: L1826668-04

Date Collected: 07/12/18 13:40

Client ID: MW-4B DUP

Date Received: 07/12/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 537

Analytical Method: 122,537(M)

Extraction Date: 07/16/18 10:30

Analytical Date: 07/17/18 14:31

Analyst: AJ

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	19.5		ng/l	1.92	0.126	1
Perfluoropentanoic Acid (PFPeA)	21.1		ng/l	1.92	0.082	1
Perfluorobutanesulfonic Acid (PFBS)	6.65		ng/l	1.92	0.106	1
Perfluorohexanoic Acid (PFHxA)	25.5		ng/l	1.92	0.122	1
Perfluoroheptanoic Acid (PFHpA)	18.6		ng/l	1.92	0.089	1
Perfluorohexanesulfonic Acid (PFHxS)	9.62		ng/l	1.92	0.103	1
Perfluorooctanoic Acid (PFOA)	70.4		ng/l	1.92	0.049	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	1.82	J	ng/l	1.92	0.186	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.92	0.149	1
Perfluorononanoic Acid (PFNA)	1.78	J	ng/l	1.92	0.097	1
Perfluorooctanesulfonic Acid (PFOS)	10.6		ng/l	1.92	0.107	1
Perfluorodecanoic Acid (PFDA)	0.496	J	ng/l	1.92	0.183	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.92	0.280	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	0.688	J	ng/l	1.92	0.241	1
Perfluoroundecanoic Acid (PFUnA)	0.673	J	ng/l	1.92	0.184	1
Perfluorodecanesulfonic Acid (PFDS)	0.665	J	ng/l	1.92	0.214	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.92	0.218	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.865	J	ng/l	1.92	0.358	1
Perfluorododecanoic Acid (PFDoA)	0.723	J	ng/l	1.92	0.088	1
Perfluorotridecanoic Acid (PFTrDA)	0.827	J	ng/l	1.92	0.087	1
Perfluorotetradecanoic Acid (PFTA)	1.31	J	ng/l	1.92	0.069	1

Project Name: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER A**Report Date:** 07/23/18**SAMPLE RESULTS**

Lab ID: L1826668-04

Date Collected: 07/12/18 13:40

Client ID: MW-4B DUP

Date Received: 07/12/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	92		50-150
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	100		50-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	93		50-150
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	77		50-150
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	85		50-150
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	97		50-150
Perfluoro[13C8]Octanoic Acid (M8PFOA)	89		50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	173	Q	50-150
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	94		50-150
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	87		50-150
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	98		50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	276	Q	50-150
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	116		50-150
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	79		50-150
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	41	Q	50-150
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	82		50-150
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	81		50-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	78		50-150

Project Name: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER A**Report Date:** 07/23/18**SAMPLE RESULTS**

Lab ID: L1826668-05

Date Collected: 07/12/18 15:00

Client ID: MW-4S

Date Received: 07/12/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 1,8270D-SIM

Extraction Date: 07/19/18 10:30

Analytical Date: 07/20/18 22:19

Analyst: TJ

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	ND		ug/l	0.150	0.0750	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
1,4-Dioxane-d8	22			15-110		

Project Name: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER A**Report Date:** 07/23/18**SAMPLE RESULTS**

Lab ID: L1826668-05

Date Collected: 07/12/18 15:00

Client ID: MW-4S

Date Received: 07/12/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 537

Analytical Method: 122,537(M)

Extraction Date: 07/16/18 10:30

Analytical Date: 07/17/18 14:48

Analyst: AJ

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	8.04		ng/l	1.85	0.121	1
Perfluoropentanoic Acid (PFPeA)	15.6		ng/l	1.85	0.079	1
Perfluorobutanesulfonic Acid (PFBS)	2.74		ng/l	1.85	0.102	1
Perfluorohexanoic Acid (PFHxA)	15.4		ng/l	1.85	0.117	1
Perfluoroheptanoic Acid (PFHpA)	11.8		ng/l	1.85	0.086	1
Perfluorohexanesulfonic Acid (PFHxS)	1.74	J	ng/l	1.85	0.100	1
Perfluorooctanoic Acid (PFOA)	15.3		ng/l	1.85	0.047	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	5.48		ng/l	1.85	0.180	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.85	0.144	1
Perfluorononanoic Acid (PFNA)	2.91		ng/l	1.85	0.093	1
Perfluorooctanesulfonic Acid (PFOS)	4.30		ng/l	1.85	0.103	1
Perfluorodecanoic Acid (PFDA)	0.715	J	ng/l	1.85	0.176	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.85	0.269	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.85	0.232	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.85	0.177	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.85	0.206	1
Perfluorooctanesulfonamide (FOSA)	0.218	J	ng/l	1.85	0.210	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.85	0.345	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.85	0.085	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.85	0.084	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.85	0.067	1

Project Name: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER A**Report Date:** 07/23/18**SAMPLE RESULTS**

Lab ID: L1826668-05

Date Collected: 07/12/18 15:00

Client ID: MW-4S

Date Received: 07/12/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Surrogate	% Recovery			Qualifier	Acceptance Criteria	
Perfluoro[13C4]Butanoic Acid (MPFBA)	90				50-150	
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	107				50-150	
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	96				50-150	
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	81				50-150	
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	84				50-150	
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	98				50-150	
Perfluoro[13C8]Octanoic Acid (M8PFOA)	86				50-150	
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	182			Q	50-150	
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	92				50-150	
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	92				50-150	
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	99				50-150	
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	173			Q	50-150	
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	106				50-150	
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	89				50-150	
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	43			Q	50-150	
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	98				50-150	
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	84				50-150	
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	101				50-150	

Project Name: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER A**Report Date:** 07/23/18**SAMPLE RESULTS**

Lab ID: L1826668-06

Date Collected: 07/12/18 14:10

Client ID: FIELD BLANK

Date Received: 07/12/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 537

Analytical Method: 122,537(M)

Extraction Date: 07/16/18 10:30

Analytical Date: 07/17/18 12:02

Analyst: AJ

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.236	J	ng/l	1.78	0.117	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.78	0.076	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.78	0.098	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.78	0.113	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.78	0.083	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.78	0.096	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.78	0.045	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	0.289	J	ng/l	1.78	0.173	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.78	0.138	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.78	0.090	1
Perfluorooctanesulfonic Acid (PFOS)	0.193	J	ng/l	1.78	0.100	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.78	0.170	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.78	0.260	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	0.554	J	ng/l	1.78	0.224	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.78	0.171	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.78	0.198	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.78	0.202	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.404	J	ng/l	1.78	0.333	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.78	0.082	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.78	0.081	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.78	0.064	1

Project Name: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER A**Report Date:** 07/23/18**SAMPLE RESULTS**

Lab ID: L1826668-06

Date Collected: 07/12/18 14:10

Client ID: FIELD BLANK

Date Received: 07/12/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	92		50-150
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	113		50-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	95		50-150
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	86		50-150
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	87		50-150
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	100		50-150
Perfluoro[13C8]Octanoic Acid (M8PFOA)	88		50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	122		50-150
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	90		50-150
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	92		50-150
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	100		50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	186	Q	50-150
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	166	Q	50-150
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	104		50-150
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	18	Q	50-150
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	173	Q	50-150
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	79		50-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	78		50-150

Project Name: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER A**Report Date:** 07/23/18**SAMPLE RESULTS**

Lab ID: L1826668-07

Date Collected: 07/12/18 09:35

Client ID: MW-1B

Date Received: 07/12/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 1,8270D

Extraction Date: 07/17/18 20:42

Analytical Date: 07/18/18 18:47

Analyst: SZ

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

Project Name: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER A**Report Date:** 07/23/18**SAMPLE RESULTS**

Lab ID: L1826668-07

Date Collected: 07/12/18 09:35

Client ID: MW-1B

Date Received: 07/12/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	21.	J	ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		21-120
Phenol-d6	54		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	85		15-120
2,4,6-Tribromophenol	107		10-120
4-Terphenyl-d14	106		41-149

Project Name: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER A**Report Date:** 07/23/18**SAMPLE RESULTS**

Lab ID: L1826668-07

Date Collected: 07/12/18 09:35

Client ID: MW-1B

Date Received: 07/12/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 1,8270D-SIM

Extraction Date: 07/17/18 20:50

Analytical Date: 07/18/18 20:12

Analyst: DV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.22		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.24		ug/l	0.10	0.05	1
Benzo(a)anthracene	0.06	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	0.05	J	ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	0.03	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	0.04	J	ug/l	0.10	0.01	1
Phenanthrene	0.14		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	0.24		ug/l	0.10	0.02	1
2-Methylnaphthalene	0.07	J	ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER A**Report Date:** 07/23/18**SAMPLE RESULTS**

Lab ID: L1826668-07

Date Collected: 07/12/18 09:35

Client ID: MW-1B

Date Received: 07/12/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		21-120
Phenol-d6	50		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	79		15-120
2,4,6-Tribromophenol	94		10-120
4-Terphenyl-d14	111		41-149

Project Name: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER A**Report Date:** 07/23/18**SAMPLE RESULTS**

Lab ID: L1826668-07

Date Collected: 07/12/18 09:35

Client ID: MW-1B

Date Received: 07/12/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 1,8270D-SIM

Extraction Date: 07/19/18 10:30

Analytical Date: 07/20/18 22:40

Analyst: TJ

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	ND		ug/l	0.156	0.0781	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
1,4-Dioxane-d8	24			15-110		

Project Name: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER A**Report Date:** 07/23/18**SAMPLE RESULTS**

Lab ID: L1826668-07

Date Collected: 07/12/18 09:35

Client ID: MW-1B

Date Received: 07/12/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 537

Analytical Method: 122,537(M)

Extraction Date: 07/16/18 10:30

Analytical Date: 07/17/18 15:04

Analyst: AJ

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	8.99		ng/l	1.92	0.126	1
Perfluoropentanoic Acid (PFPeA)	13.1		ng/l	1.92	0.082	1
Perfluorobutanesulfonic Acid (PFBS)	7.15		ng/l	1.92	0.106	1
Perfluorohexanoic Acid (PFHxA)	14.7		ng/l	1.92	0.122	1
Perfluoroheptanoic Acid (PFHpA)	12.2		ng/l	1.92	0.089	1
Perfluorohexanesulfonic Acid (PFHxS)	13.5		ng/l	1.92	0.103	1
Perfluorooctanoic Acid (PFOA)	56.5		ng/l	1.92	0.049	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	6.78		ng/l	1.92	0.186	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.873	J	ng/l	1.92	0.149	1
Perfluorononanoic Acid (PFNA)	2.04		ng/l	1.92	0.097	1
Perfluorooctanesulfonic Acid (PFOS)	20.5		ng/l	1.92	0.107	1
Perfluorodecanoic Acid (PFDA)	0.327	J	ng/l	1.92	0.183	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.92	0.280	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.92	0.241	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.92	0.184	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.92	0.214	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.92	0.218	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.92	0.358	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.92	0.088	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.92	0.087	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.92	0.069	1

Project Name: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER A**Report Date:** 07/23/18**SAMPLE RESULTS**

Lab ID: L1826668-07

Date Collected: 07/12/18 09:35

Client ID: MW-1B

Date Received: 07/12/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Surrogate	% Recovery			Qualifier	Acceptance Criteria	
Perfluoro[13C4]Butanoic Acid (MPFBA)	87				50-150	
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	104				50-150	
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	92				50-150	
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	81				50-150	
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	84				50-150	
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	92				50-150	
Perfluoro[13C8]Octanoic Acid (M8PFOA)	86				50-150	
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	145				50-150	
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	96				50-150	
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	89				50-150	
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	99				50-150	
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	137				50-150	
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	109				50-150	
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	99				50-150	
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	35			Q	50-150	
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	90				50-150	
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	90				50-150	
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	95				50-150	

Project Name: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER A**Report Date:** 07/23/18**SAMPLE RESULTS**

Lab ID: L1826668-08

Date Collected: 07/12/18 11:20

Client ID: MW-1

Date Received: 07/12/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 1,8270D

Extraction Date: 07/17/18 20:42

Analytical Date: 07/18/18 17:04

Analyst: SZ

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

Project Name: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER A**Report Date:** 07/23/18**SAMPLE RESULTS**

Lab ID: L1826668-08

Date Collected: 07/12/18 11:20

Client ID: MW-1

Date Received: 07/12/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		21-120
Phenol-d6	51		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	84		15-120
2,4,6-Tribromophenol	103		10-120
4-Terphenyl-d14	103		41-149

Project Name: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER A**Report Date:** 07/23/18**SAMPLE RESULTS**

Lab ID: L1826668-08

Date Collected: 07/12/18 11:20

Client ID: MW-1

Date Received: 07/12/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 1,8270D-SIM

Extraction Date: 07/17/18 20:50

Analytical Date: 07/18/18 20:38

Analyst: DV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	0.18		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER A**Report Date:** 07/23/18**SAMPLE RESULTS**

Lab ID: L1826668-08

Date Collected: 07/12/18 11:20

Client ID: MW-1

Date Received: 07/12/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		21-120
Phenol-d6	48		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	79		15-120
2,4,6-Tribromophenol	93		10-120
4-Terphenyl-d14	109		41-149

Project Name: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER A**Report Date:** 07/23/18**SAMPLE RESULTS**

Lab ID: L1826668-08

Date Collected: 07/12/18 11:20

Client ID: MW-1

Date Received: 07/12/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 1,8270D-SIM

Extraction Date: 07/19/18 10:30

Analytical Date: 07/20/18 23:46

Analyst: TJ

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	ND		ug/l	0.156	0.0781	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
1,4-Dioxane-d8	24			15-110		

Project Name: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER A**Report Date:** 07/23/18**SAMPLE RESULTS**

Lab ID: L1826668-08

Date Collected: 07/12/18 11:20

Client ID: MW-1

Date Received: 07/12/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 537

Analytical Method: 122,537(M)

Extraction Date: 07/16/18 10:30

Analytical Date: 07/17/18 15:54

Analyst: AJ

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	15.8		ng/l	1.78	0.117	1
Perfluoropentanoic Acid (PFPeA)	28.7		ng/l	1.78	0.076	1
Perfluorobutanesulfonic Acid (PFBS)	13.6		ng/l	1.78	0.098	1
Perfluorohexanoic Acid (PFHxA)	27.6		ng/l	1.78	0.113	1
Perfluoroheptanoic Acid (PFHpA)	18.3		ng/l	1.78	0.083	1
Perfluorohexanesulfonic Acid (PFHxS)	22.3		ng/l	1.78	0.096	1
Perfluorooctanoic Acid (PFOA)	57.3		ng/l	1.78	0.045	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	0.464	J	ng/l	1.78	0.173	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.832	J	ng/l	1.78	0.138	1
Perfluorononanoic Acid (PFNA)	1.49	J	ng/l	1.78	0.090	1
Perfluorooctanesulfonic Acid (PFOS)	13.6		ng/l	1.78	0.100	1
Perfluorodecanoic Acid (PFDA)	0.378	J	ng/l	1.78	0.170	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.78	0.260	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.78	0.224	1
Perfluoroundecanoic Acid (PFUnA)	0.446	J	ng/l	1.78	0.171	1
Perfluorodecanesulfonic Acid (PFDS)	0.421	J	ng/l	1.78	0.198	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.78	0.202	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.839	J	ng/l	1.78	0.333	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.78	0.082	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.78	0.081	1
Perfluorotetradecanoic Acid (PFTA)	0.525	J	ng/l	1.78	0.064	1

Project Name: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER A**Report Date:** 07/23/18**SAMPLE RESULTS**

Lab ID: L1826668-08

Date Collected: 07/12/18 11:20

Client ID: MW-1

Date Received: 07/12/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Surrogate	% Recovery			Qualifier	Acceptance Criteria	
Perfluoro[13C4]Butanoic Acid (MPFBA)	83				50-150	
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	99				50-150	
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	87				50-150	
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	75				50-150	
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	81				50-150	
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	90				50-150	
Perfluoro[13C8]Octanoic Acid (M8PFOA)	83				50-150	
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	102				50-150	
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	83				50-150	
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	85				50-150	
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	94				50-150	
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	94				50-150	
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	112				50-150	
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	104				50-150	
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	42			Q	50-150	
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	117				50-150	
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	108				50-150	
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	104				50-150	

Project Name: 2135 WESTCHESTER AVE.

Lab Number: L1826668

Project Number: 2135 WESTCHESTER AVE

Report Date: 07/23/18

Method Blank Analysis Batch Quality Control

Analytical Method: 122,537(M)
 Analytical Date: 07/17/18 10:39
 Analyst: AJ

Extraction Method: EPA 537
 Extraction Date: 07/16/18 10:30

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-08 Batch: WG1135994-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.131
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.086
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.110
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	0.126
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.092
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.108
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.050
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	0.194
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.155
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.101
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.112
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.190
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	0.291
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	0.956	J	ng/l	2.00	0.250
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.191
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.222
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.227
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.373
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.092
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.090
Perfluorotetradecanoic Acid (PFTA)	0.300	J	ng/l	2.00	0.072

Project Name: 2135 WESTCHESTER AVE.

Lab Number: L1826668

Project Number: 2135 WESTCHESTER AVE

Report Date: 07/23/18

Method Blank Analysis Batch Quality Control

Analytical Method: 122,537(M)
 Analytical Date: 07/17/18 10:39
 Analyst: AJ

Extraction Method: EPA 537
 Extraction Date: 07/16/18 10:30

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-08 Batch: WG1135994-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	90		50-150
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	109		50-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	102		50-150
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	94		50-150
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	92		50-150
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	102		50-150
Perfluoro[13C8]Octanoic Acid (M8PFOA)	97		50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	96		50-150
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	97		50-150
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	97		50-150
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	104		50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	82		50-150
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	75		50-150
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	95		50-150
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	3	Q	50-150
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	81		50-150
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	75		50-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	90		50-150

Project Name: 2135 WESTCHESTER AVE.

Lab Number: L1826668

Project Number: 2135 WESTCHESTER AVE

Report Date: 07/23/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 07/19/18 12:03
 Analyst: SZ

Extraction Method: EPA 3510C
 Extraction Date: 07/17/18 20:42

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07-08 Batch: WG1136670-1					
Acenaphthene	ND		ug/l	2.0	0.44
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50
Hexachlorobenzene	ND		ug/l	2.0	0.46
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
2-Chloronaphthalene	ND		ug/l	2.0	0.44
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
Fluoranthene	ND		ug/l	2.0	0.26
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorobutadiene	ND		ug/l	2.0	0.66
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Hexachloroethane	ND		ug/l	2.0	0.58
Isophorone	ND		ug/l	5.0	1.2
Naphthalene	ND		ug/l	2.0	0.46
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38

Project Name: 2135 WESTCHESTER AVE.

Lab Number: L1826668

Project Number: 2135 WESTCHESTER AVE

Report Date: 07/23/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 07/19/18 12:03
 Analyst: SZ

Extraction Method: EPA 3510C
 Extraction Date: 07/17/18 20:42

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07-08 Batch: WG1136670-1					
Dimethyl phthalate	ND		ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.41
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37
Chrysene	ND		ug/l	2.0	0.34
Acenaphthylene	ND		ug/l	2.0	0.46
Anthracene	ND		ug/l	2.0	0.33
Benzo(ghi)perylene	ND		ug/l	2.0	0.30
Fluorene	ND		ug/l	2.0	0.41
Phenanthrene	ND		ug/l	2.0	0.33
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40
Pyrene	ND		ug/l	2.0	0.28
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
2-Methylnaphthalene	ND		ug/l	2.0	0.45
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85

Project Name: 2135 WESTCHESTER AVE.

Lab Number: L1826668

Project Number: 2135 WESTCHESTER AVE

Report Date: 07/23/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 07/19/18 12:03
 Analyst: SZ

Extraction Method: EPA 3510C
 Extraction Date: 07/17/18 20:42

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07-08 Batch: WG1136670-1					
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Pentachlorophenol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.59
Carbazole	ND		ug/l	2.0	0.49

Tentatively Identified Compounds

Total TIC Compounds	55.4	J	ug/l
Aldol Condensates	49.8	J	ug/l
Unknown	5.56	J	ug/l

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		21-120
Phenol-d6	45		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	68		15-120
2,4,6-Tribromophenol	78		10-120
4-Terphenyl-d14	91		41-149



Project Name: 2135 WESTCHESTER AVE.

Lab Number: L1826668

Project Number: 2135 WESTCHESTER AVE

Report Date: 07/23/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D-SIM
 Analytical Date: 07/18/18 11:00
 Analyst: DV

Extraction Method: EPA 3510C
 Extraction Date: 07/17/18 20:50

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 07-08 Batch: WG1136671-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER AVE**Report Date:** 07/23/18**Method Blank Analysis**
Batch Quality ControlAnalytical Method: 1,8270D-SIM
Analytical Date: 07/18/18 11:00
Analyst: DVExtraction Method: EPA 3510C
Extraction Date: 07/17/18 20:50

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 07-08 Batch: WG1136671-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		21-120
Phenol-d6	46		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	66		15-120
2,4,6-Tribromophenol	81		10-120
4-Terphenyl-d14	102		41-149

Project Name: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER AVE**Report Date:** 07/23/18**Method Blank Analysis**
Batch Quality ControlAnalytical Method: 1,8270D-SIM
Analytical Date: 07/20/18 16:49
Analyst: TJExtraction Method: EPA 3510C
Extraction Date: 07/19/18 10:30

Parameter	Result	Qualifier	Units	RL	MDL
1,4 Dioxane by 8270D-SIM - Mansfield Lab for sample(s): 02-05,07-08 Batch: WG1137308-1					
1,4-Dioxane	ND		ug/l	0.150	0.0750

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	30		15-110

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2135 WESTCHESTER AVE.

Lab Number: L1826668

Project Number: 2135 WESTCHESTER AVE

Report Date: 07/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-08 Batch: WG1135994-2 WG1135994-3								
Perfluorobutanoic Acid (PFBA)	109		116		50-150	6		30
Perfluoropentanoic Acid (PFPeA)	116		122		50-150	5		30
Perfluorobutanesulfonic Acid (PFBS)	117		121		50-150	3		30
Perfluorohexanoic Acid (PFHxA)	120		128		50-150	6		30
Perfluoroheptanoic Acid (PFHpA)	107		107		50-150	0		30
Perfluorohexanesulfonic Acid (PFHxS)	125		125		50-150	0		30
Perfluorooctanoic Acid (PFOA)	110		113		50-150	3		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	123		122		50-150	1		30
Perfluoroheptanesulfonic Acid (PFHpS)	115		126		50-150	9		30
Perfluorononanoic Acid (PFNA)	115		126		50-150	9		30
Perfluorooctanesulfonic Acid (PFOS)	106		113		50-150	6		30
Perfluorodecanoic Acid (PFDA)	120		130		50-150	8		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	122		131		50-150	7		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	111		121		50-150	9		30
Perfluoroundecanoic Acid (PFUnA)	122		117		50-150	4		30
Perfluorodecanesulfonic Acid (PFDS)	105		79		50-150	28		30
Perfluorooctanesulfonamide (FOSA)	88		121		50-150	32	Q	30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	109		119		50-150	9		30
Perfluorododecanoic Acid (PFDoA)	119		117		50-150	2		30
Perfluorotridecanoic Acid (PFTrDA)	98		94		50-150	4		30
Perfluorotetradecanoic Acid (PFTA)	109		120		50-150	10		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2135 WESTCHESTER AVE.

Lab Number: L1826668

Project Number: 2135 WESTCHESTER AVE

Report Date: 07/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-08 Batch: WG1135994-2 WG1135994-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	54		69		50-150
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	71		88		50-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	91		90		50-150
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	64		76		50-150
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	69		79		50-150
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	93		95		50-150
Perfluoro[13C8]Octanoic Acid (M8PFOA)	76		85		50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	82		94		50-150
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	76		82		50-150
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	89		84		50-150
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	87		85		50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	140		95		50-150
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	118		175	Q	50-150
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	72		93		50-150
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	5	Q	6	Q	50-150
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	60		164	Q	50-150
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	68		82		50-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	70		68		50-150

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 2135 WESTCHESTER AVE.

Lab Number: L1826668

Project Number: 2135 WESTCHESTER AVE

Report Date: 07/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG1136670-2 WG1136670-3								
Acenaphthene	74		67		37-111	10		30
1,2,4-Trichlorobenzene	68		61		39-98	11		30
Hexachlorobenzene	88		77		40-140	13		30
Bis(2-chloroethyl)ether	64		55		40-140	15		30
2-Chloronaphthalene	76		69		40-140	10		30
1,2-Dichlorobenzene	61		54		40-140	12		30
1,3-Dichlorobenzene	60		53		40-140	12		30
1,4-Dichlorobenzene	61		54		36-97	12		30
3,3'-Dichlorobenzidine	78		78		40-140	0		30
2,4-Dinitrotoluene	85		76		48-143	11		30
2,6-Dinitrotoluene	88		77		40-140	13		30
Fluoranthene	84		79		40-140	6		30
4-Chlorophenyl phenyl ether	82		72		40-140	13		30
4-Bromophenyl phenyl ether	90		78		40-140	14		30
Bis(2-chloroisopropyl)ether	54		48		40-140	12		30
Bis(2-chloroethoxy)methane	66		60		40-140	10		30
Hexachlorobutadiene	72		61		40-140	17		30
Hexachlorocyclopentadiene	64		59		40-140	8		30
Hexachloroethane	60		52		40-140	14		30
Isophorone	69		61		40-140	12		30
Naphthalene	67		60		40-140	11		30
Nitrobenzene	64		56		40-140	13		30
NDPA/DPA	84		77		40-140	9		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 2135 WESTCHESTER AVE.

Lab Number: L1826668

Project Number: 2135 WESTCHESTER AVE

Report Date: 07/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG1136670-2 WG1136670-3								
n-Nitrosodi-n-propylamine	70		61		29-132	14		30
Bis(2-ethylhexyl)phthalate	76		79		40-140	4		30
Butyl benzyl phthalate	83		83		40-140	0		30
Di-n-butylphthalate	79		76		40-140	4		30
Di-n-octylphthalate	84		87		40-140	4		30
Diethyl phthalate	85		75		40-140	13		30
Dimethyl phthalate	86		80		40-140	7		30
Benzo(a)anthracene	84		78		40-140	7		30
Benzo(a)pyrene	92		85		40-140	8		30
Benzo(b)fluoranthene	81		79		40-140	3		30
Benzo(k)fluoranthene	91		78		40-140	15		30
Chrysene	79		74		40-140	7		30
Acenaphthylene	82		73		45-123	12		30
Anthracene	80		73		40-140	9		30
Benzo(ghi)perylene	82		78		40-140	5		30
Fluorene	81		73		40-140	10		30
Phenanthrene	75		69		40-140	8		30
Dibenzo(a,h)anthracene	84		81		40-140	4		30
Indeno(1,2,3-cd)pyrene	81		85		40-140	5		30
Pyrene	80		76		26-127	5		30
Biphenyl	78		71		40-140	9		30
4-Chloroaniline	49		46		40-140	6		30
2-Nitroaniline	82		75		52-143	9		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2135 WESTCHESTER AVE.

Lab Number: L1826668

Project Number: 2135 WESTCHESTER AVE

Report Date: 07/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG1136670-2 WG1136670-3								
3-Nitroaniline	73		66		25-145	10		30
4-Nitroaniline	79		74		51-143	7		30
Dibenzofuran	78		69		40-140	12		30
2-Methylnaphthalene	76		67		40-140	13		30
1,2,4,5-Tetrachlorobenzene	77		70		2-134	10		30
Acetophenone	71		62		39-129	14		30
2,4,6-Trichlorophenol	90		83		30-130	8		30
p-Chloro-m-cresol	82		77		23-97	6		30
2-Chlorophenol	68		61		27-123	11		30
2,4-Dichlorophenol	81		73		30-130	10		30
2,4-Dimethylphenol	66		62		30-130	6		30
2-Nitrophenol	75		66		30-130	13		30
4-Nitrophenol	72		63		10-80	13		30
2,4-Dinitrophenol	62		56		20-130	10		30
4,6-Dinitro-o-cresol	81		74		20-164	9		30
Pentachlorophenol	79		74		9-103	7		30
Phenol	48		44		12-110	9		30
2-Methylphenol	66		61		30-130	8		30
3-Methylphenol/4-Methylphenol	73		65		30-130	12		30
2,4,5-Trichlorophenol	92		90		30-130	2		30
Benzoic Acid	34		30		10-164	13		30
Benzyl Alcohol	43		38		26-116	12		30
Carbazole	81		76		55-144	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2135 WESTCHESTER AVE.

Lab Number: L1826668

Project Number: 2135 WESTCHESTER AVE

Report Date: 07/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG1136670-2 WG1136670-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	56		48		21-120
Phenol-d6	48		43		10-120
Nitrobenzene-d5	67		55		23-120
2-Fluorobiphenyl	81		60		15-120
2,4,6-Tribromophenol	101		89		10-120
4-Terphenyl-d14	90		84		41-149

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 2135 WESTCHESTER AVE.

Project Number: 2135 WESTCHESTER AVE

Lab Number: L1826668

Report Date: 07/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 07-08 Batch: WG1136671-2 WG1136671-3								
Acenaphthene	73		77		40-140	5		40
2-Chloronaphthalene	75		79		40-140	5		40
Fluoranthene	86		97		40-140	12		40
Hexachlorobutadiene	71		75		40-140	5		40
Naphthalene	65		70		40-140	7		40
Benzo(a)anthracene	84		83		40-140	1		40
Benzo(a)pyrene	92		91		40-140	1		40
Benzo(b)fluoranthene	90		89		40-140	1		40
Benzo(k)fluoranthene	87		82		40-140	6		40
Chrysene	79		79		40-140	0		40
Acenaphthylene	90		93		40-140	3		40
Anthracene	81		84		40-140	4		40
Benzo(ghi)perylene	103		104		40-140	1		40
Fluorene	84		86		40-140	2		40
Phenanthrene	73		78		40-140	7		40
Dibenzo(a,h)anthracene	101		101		40-140	0		40
Indeno(1,2,3-cd)pyrene	99		98		40-140	1		40
Pyrene	88		93		40-140	6		40
2-Methylnaphthalene	73		78		40-140	7		40
Pentachlorophenol	83		83		40-140	0		40
Hexachlorobenzene	78		89		40-140	13		40
Hexachloroethane	67		72		40-140	7		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2135 WESTCHESTER AVE.

Lab Number: L1826668

Project Number: 2135 WESTCHESTER AVE

Report Date: 07/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 07-08 Batch: WG1136671-2 WG1136671-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	55		61		21-120
Phenol-d6	44		49		10-120
Nitrobenzene-d5	80		86		23-120
2-Fluorobiphenyl	71		73		15-120
2,4,6-Tribromophenol	88		86		10-120
4-Terphenyl-d14	94		97		41-149

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER AVE**Report Date:** 07/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270D-SIM - Mansfield Lab Associated sample(s): 02-05,07-08 Batch: WG1137308-2 WG1137308-3								
1,4-Dioxane	104		108		40-140	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,4-Dioxane-d8	31		30		15-110

Matrix Spike Analysis

Batch Quality Control

Project Name: 2135 WESTCHESTER AVE.

Project Number: 2135 WESTCHESTER AVE

Lab Number: L1826668

Report Date: 07/23/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1135994-6 WG1135994-7 QC Sample: L1826668-07 Client ID: MW-1B												
Perfluorobutanoic Acid (PFBA)	8.99	40	55.0	115		55.8	117		50-150	1		30
Perfluoropentanoic Acid (PFPeA)	13.1	40	61.0	120		61.8	122		50-150	1		30
Perfluorobutanesulfonic Acid (PFBS)	7.15	40	55.4	121		53.8	117		50-150	3		30
Perfluorohexanoic Acid (PFHxA)	14.7	40	63.4	122		64.2	124		50-150	1		30
Perfluoroheptanoic Acid (PFHpA)	12.2	40	56.7	111		57.1	112		50-150	1		30
Perfluorohexanesulfonic Acid (PFHxS)	13.5	40	66.5	133		65.9	131		50-150	1		30
Perfluorooctanoic Acid (PFOA)	56.5	40	101	111		98.0	104		50-150	3		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	6.78	40	56.3	124		57.6	127		50-150	2		30
Perfluoroheptanesulfonic Acid (PFHpS)	0.873J	40	49.9	125		44.0	110		50-150	13		30
Perfluorononanoic Acid (PFNA)	2.04	40	52.0	125		50.7	122		50-150	3		30
Perfluorooctanesulfonic Acid (PFOS)	20.5	40	63.8	108		60.7	101		50-150	5		30
Perfluorodecanoic Acid (PFDA)	0.327J	40	51.1	128		48.7	122		50-150	5		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	40	43.4	109		54.6	137		50-150	23		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	40	46.7	117		51.8	130		50-150	10		30
Perfluoroundecanoic Acid (PFUnA)	ND	40	44.2	111		40.5	101		50-150	9		30
Perfluorodecanesulfonic Acid (PFDS)	ND	40	35.6	89		37.2	93		50-150	4		30
Perfluorooctanesulfonamide (FOSA)	ND	40	44.2	111		44.6	112		50-150	1		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	40	40.1	100		45.4	114		50-150	12		30
Perfluorododecanoic Acid (PFDoA)	ND	40	48.8	122		47.2	118		50-150	3		30
Perfluorotridecanoic Acid (PFTrDA)	ND	40	47.2	118		45.0	113		50-150	5		30
Perfluorotetradecanoic Acid (PFTA)	ND	40	45.6	114		43.9	110		50-150	4		30

Matrix Spike Analysis**Batch Quality Control****Project Name:** 2135 WESTCHESTER AVE.**Project Number:** 2135 WESTCHESTER AVE**Lab Number:** L1826668**Report Date:** 07/23/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1135994-6 WG1135994-7 QC Sample: L1826668-07 Client ID: MW-1B												

Surrogate	MS % Recovery	Qualifier	MSD % Recovery	Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	113		84		50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	170	Q	244	Q	50-150
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	104		94		50-150
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	110		99		50-150
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	103		93		50-150
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	98		96		50-150
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	80		74		50-150
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	83		76		50-150
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	98		92		50-150
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	88		85		50-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	103		91		50-150
Perfluoro[13C4]Butanoic Acid (MPFBA)	93		86		50-150
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	112		103		50-150
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	41	Q	34	Q	50-150
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	93		97		50-150
Perfluoro[13C8]Octanoic Acid (M8PFOA)	90		85		50-150
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	97		90		50-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	93		91		50-150

Matrix Spike Analysis

Batch Quality Control

Project Name: 2135 WESTCHESTER AVE.

Project Number: 2135 WESTCHESTER AVE

Lab Number: L1826668

Report Date: 07/23/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 QC Batch ID: WG1136670-4 WG1136670-5 QC Sample: L1826668-07 Client ID: MW-1B												
1,2,4-Trichlorobenzene	ND	18.2	13	72		13	72		39-98	0		30
Bis(2-chloroethyl)ether	ND	18.2	12	66		12	66		40-140	0		30
1,2-Dichlorobenzene	ND	18.2	12	66		12	66		40-140	0		30
1,3-Dichlorobenzene	ND	18.2	12	66		12	66		40-140	0		30
1,4-Dichlorobenzene	ND	18.2	12	66		12	66		36-97	0		30
3,3'-Dichlorobenzidine	ND	18.2	11	61		7.4	41		40-140	39	Q	30
2,4-Dinitrotoluene	ND	18.2	17	94		17	94		48-143	0		30
2,6-Dinitrotoluene	ND	18.2	17	94		18	99		40-140	6		30
4-Chlorophenyl phenyl ether	ND	18.2	15	83		15	83		40-140	0		30
4-Bromophenyl phenyl ether	ND	18.2	16	88		17	94		40-140	6		30
Bis(2-chloroisopropyl)ether	ND	18.2	10	55		9.7	53		40-140	3		30
Bis(2-chloroethoxy)methane	ND	18.2	13	72		12	66		40-140	8		30
Hexachlorocyclopentadiene	ND	18.2	14J	77		14.J	77		40-140	0		30
Isophorone	ND	18.2	14	77		13	72		40-140	7		30
Nitrobenzene	ND	18.2	12	66		12	66		40-140	0		30
NDPA/DPA	ND	18.2	16	88		16	88		40-140	0		30
n-Nitrosodi-n-propylamine	ND	18.2	14	77		13	72		29-132	7		30
Bis(2-ethylhexyl)phthalate	ND	18.2	15	83		18	99		40-140	18		30
Butyl benzyl phthalate	ND	18.2	17	94		19	100		40-140	11		30
Di-n-butylphthalate	ND	18.2	16	88		17	94		40-140	6		30
Di-n-octylphthalate	ND	18.2	19	100		20	110		40-140	5		30
Diethyl phthalate	ND	18.2	15	83		16	88		40-140	6		30
Dimethyl phthalate	ND	18.2	17	94		17	94		40-140	0		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 2135 WESTCHESTER AVE.

Project Number: 2135 WESTCHESTER AVE

Lab Number: L1826668

Report Date: 07/23/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 QC Batch ID: WG1136670-4 WG1136670-5 QC Sample: L1826668-07 Client ID: MW-1B												
Biphenyl	ND	18.2	15	83		15	83		40-140	0		30
4-Chloroaniline	ND	18.2	8.3	46		5.7	31	Q	40-140	37	Q	30
2-Nitroaniline	ND	18.2	17	94		17	94		52-143	0		30
3-Nitroaniline	ND	18.2	12	66		12	66		25-145	0		30
4-Nitroaniline	ND	18.2	14	77		15	83		51-143	7		30
Dibenzofuran	ND	18.2	14	77		14	77		40-140	0		30
1,2,4,5-Tetrachlorobenzene	ND	18.2	15	83		15	83		2-134	0		30
Acetophenone	ND	18.2	14	77		13	72		39-129	7		30
2,4,6-Trichlorophenol	ND	18.2	19	100		19	100		30-130	0		30
p-Chloro-m-cresol	ND	18.2	17	94		17	94		23-97	0		30
2-Chlorophenol	ND	18.2	13	72		13	72		27-123	0		30
2,4-Dichlorophenol	ND	18.2	16	88		16	88		30-130	0		30
2,4-Dimethylphenol	ND	18.2	14	77		13	72		30-130	7		30
2-Nitrophenol	ND	18.2	16	88		15	83		30-130	6		30
4-Nitrophenol	ND	18.2	16	88	Q	16	88	Q	10-80	0		30
2,4-Dinitrophenol	ND	18.2	17J	94		17.J	94		20-130	0		30
4,6-Dinitro-o-cresol	ND	18.2	19	100		19	100		20-164	0		30
Phenol	ND	18.2	9.8	54		9.9	54		12-110	1		30
2-Methylphenol	ND	18.2	14	77		13	72		30-130	7		30
3-Methylphenol/4-Methylphenol	ND	18.2	14	77		13	72		30-130	7		30
2,4,5-Trichlorophenol	ND	18.2	19	100		20	110		30-130	5		30
Benzoic Acid	21.J	18.2	43J	240	Q	52	290	Q	10-164	19		30
Benzyl Alcohol	ND	18.2	11	61		10	55		26-116	10		30

Matrix Spike Analysis**Batch Quality Control****Project Name:** 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER AVE**Report Date:** 07/23/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 QC Batch ID: WG1136670-4 WG1136670-5 QC Sample: L1826668-07 Client ID: MW-1B												
Carbazole	ND	18.2	15	83		16	88		55-144	6		30

Surrogate	MS % Recovery	Qualifier	MSD % Recovery	Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	106		109		10-120
2-Fluorobiphenyl	79		83		15-120
2-Fluorophenol	62		61		21-120
4-Terphenyl-d14	94		100		41-149
Nitrobenzene-d5	72		71		23-120
Phenol-d6	55		54		10-120

Matrix Spike Analysis

Batch Quality Control

Project Name: 2135 WESTCHESTER AVE.

Project Number: 2135 WESTCHESTER AVE

Lab Number: L1826668

Report Date: 07/23/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 07-08 QC Batch ID: WG1136671-4 WG1136671-5 QC Sample: L1826668-07 Client ID: MW-1B												
Acenaphthene	ND	18.2	13	72		13	72		40-140	0		40
2-Chloronaphthalene	ND	18.2	14	77		14	77		40-140	0		40
Fluoranthene	0.22	18.2	16	87		16	87		40-140	0		40
Hexachlorobutadiene	ND	18.2	12	66		13	72		40-140	8		40
Naphthalene	0.24	18.2	12	65		12	65		40-140	0		40
Benzo(a)anthracene	0.06J	18.2	15	83		15	83		40-140	0		40
Benzo(a)pyrene	ND	18.2	16	88		17	94		40-140	6		40
Benzo(b)fluoranthene	ND	18.2	16	88		16	88		40-140	0		40
Benzo(k)fluoranthene	ND	18.2	14	77		15	83		40-140	7		40
Chrysene	0.05J	18.2	14	77		14	77		40-140	0		40
Acenaphthylene	ND	18.2	16	88		16	88		40-140	0		40
Anthracene	0.03J	18.2	15	83		15	83		40-140	0		40
Benzo(ghi)perylene	ND	18.2	13	72		12	66		40-140	8		40
Fluorene	0.04J	18.2	14	77		14	77		40-140	0		40
Phenanthrene	0.14	18.2	14	76		13	71		40-140	7		40
Dibenzo(a,h)anthracene	ND	18.2	14	77		13	72		40-140	7		40
Indeno(1,2,3-cd)pyrene	ND	18.2	15	83		14	77		40-140	7		40
Pyrene	0.24	18.2	16	87		16	87		40-140	0		40
2-Methylnaphthalene	0.07J	18.2	13	72		13	72		40-140	0		40
Pentachlorophenol	ND	18.2	17	94		18	99		40-140	6		40
Hexachlorobenzene	ND	18.2	14	77		14	77		40-140	0		40
Hexachloroethane	ND	18.2	13	72		12	66		40-140	8		40

Matrix Spike Analysis**Batch Quality Control****Project Name:** 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER AVE**Report Date:** 07/23/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 07-08 QC Batch ID: WG1136671-4 WG1136671-5 QC Sample: L1826668-07 Client ID: MW-1B												

Surrogate	MS % Recovery		Qualifier	MSD % Recovery		Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	90			90			10-120
2-Fluorobiphenyl	75			76			15-120
2-Fluorophenol	74			62			21-120
4-Terphenyl-d14	102			104			41-149
Nitrobenzene-d5	86			83			23-120
Phenol-d6	55			52			10-120

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270D-SIM - Mansfield Lab Associated sample(s): 02-05,07-08 QC Batch ID: WG1137308-4 WG1137308-5 QC Sample: L1826668-07 Client ID: MW-1B												
1,4-Dioxane	ND	5.1	6.25	123		5.53	113		40-140	12		30

Surrogate	MS % Recovery		Qualifier	MSD % Recovery		Qualifier	Acceptance Criteria
1,4-Dioxane-d8	21			24			15-110

PCBS

Project Name: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER A**Report Date:** 07/23/18**SAMPLE RESULTS**

Lab ID: L1826668-07

Date Collected: 07/12/18 09:35

Client ID: MW-1B

Date Received: 07/12/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 1,8082A

Extraction Date: 07/18/18 20:09

Analytical Date: 07/19/18 09:58

Cleanup Method: EPA 3665A

Analyst: WR

Cleanup Date: 07/19/18

Cleanup Method: EPA 3660B

Cleanup Date: 07/19/18

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	92		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		30-150	B
Decachlorobiphenyl	94		30-150	B

Project Name: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER A**Report Date:** 07/23/18**SAMPLE RESULTS**

Lab ID: L1826668-08

Date Collected: 07/12/18 11:20

Client ID: MW-1

Date Received: 07/12/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 1,8082A

Extraction Date: 07/18/18 20:09

Analytical Date: 07/19/18 10:52

Cleanup Method: EPA 3665A

Analyst: WR

Cleanup Date: 07/19/18

Cleanup Method: EPA 3660B

Cleanup Date: 07/19/18

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	89		30-150	B

Project Name: 2135 WESTCHESTER AVE.

Lab Number: L1826668

Project Number: 2135 WESTCHESTER AVE

Report Date: 07/23/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 07/19/18 09:18
 Analyst: WR

Extraction Method: EPA 3510C
 Extraction Date: 07/18/18 20:09
 Cleanup Method: EPA 3665A
 Cleanup Date: 07/19/18
 Cleanup Method: EPA 3660B
 Cleanup Date: 07/19/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 07-08 Batch: WG1137119-1						
Aroclor 1016	ND		ug/l	0.083	0.034	A
Aroclor 1221	ND		ug/l	0.083	0.067	A
Aroclor 1232	ND		ug/l	0.083	0.046	A
Aroclor 1242	ND		ug/l	0.083	0.039	A
Aroclor 1248	ND		ug/l	0.083	0.049	A
Aroclor 1260	ND		ug/l	0.083	0.032	A
Aroclor 1262	ND		ug/l	0.083	0.035	A
Aroclor 1268	ND		ug/l	0.083	0.034	A
Aroclor 1254	ND		ug/l	0.083	0.039	B
PCBs, Total	ND		ug/l	0.083	0.032	B

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	84		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2135 WESTCHESTER AVE.

Lab Number: L1826668

Project Number: 2135 WESTCHESTER AVE

Report Date: 07/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 07-08 Batch: WG1137119-2 WG1137119-3									
Aroclor 1016	74		74		40-140	0		50	A
Aroclor 1260	78		80		40-140	2		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		82		30-150	A
Decachlorobiphenyl	81		83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		77		30-150	B
Decachlorobiphenyl	83		84		30-150	B

Matrix Spike Analysis*Batch Quality Control***Project Name:** 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER AVE**Report Date:** 07/23/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 07-08 QC Batch ID: WG1137119-4 WG1137119-5 QC Sample: L1826668-07 Client ID: MW-1B													
Aroclor 1016	ND	1.78	1.46	82		1.42	80		40-140	3		50	A
Aroclor 1260	ND	1.78	1.52	85		1.48	83		40-140	3		50	A

Surrogate	MS % Recovery	Qualifier	MSD % Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		88		30-150	A
Decachlorobiphenyl	90		85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		84		30-150	B
Decachlorobiphenyl	105		98		30-150	B

PESTICIDES

Project Name: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER A**Report Date:** 07/23/18**SAMPLE RESULTS**

Lab ID: L1826668-07

Date Collected: 07/12/18 09:35

Client ID: MW-1B

Date Received: 07/12/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 1,8081B

Extraction Date: 07/18/18 20:06

Analytical Date: 07/19/18 11:34

Analyst: KEG

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER A**Report Date:** 07/23/18**SAMPLE RESULTS**

Lab ID: L1826668-07

Date Collected: 07/12/18 09:35

Client ID: MW-1B

Date Received: 07/12/18

Sample Location: BRONX, NY

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	104		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	78		30-150	B

Project Name: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER A**Report Date:** 07/23/18**SAMPLE RESULTS**

Lab ID: L1826668-07

Date Collected: 07/12/18 09:35

Client ID: MW-1B

Date Received: 07/12/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 8151A

Analytical Method: 1,8151A

Extraction Date: 07/16/18 20:15

Analytical Date: 07/18/18 00:25

Analyst: SL

Methylation Date: 07/17/18 15:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
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Chlorinated Herbicides by GC - Westborough Lab

2,4-D	ND		ug/l	10.5	0.524	1	A
2,4,5-T	ND		ug/l	2.10	0.559	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.10	0.567	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	128		30-150	A
DCAA	103		30-150	B

Project Name: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER A**Report Date:** 07/23/18**SAMPLE RESULTS**

Lab ID: L1826668-08

Date Collected: 07/12/18 11:20

Client ID: MW-1

Date Received: 07/12/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 1,8081B

Extraction Date: 07/18/18 20:06

Analytical Date: 07/19/18 12:11

Analyst: KEG

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	0.021	J	ug/l	0.029	0.003	1	B
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER A**Report Date:** 07/23/18**SAMPLE RESULTS**

Lab ID: L1826668-08

Date Collected: 07/12/18 11:20

Client ID: MW-1

Date Received: 07/12/18

Sample Location: BRONX, NY

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	99		30-150	A
Decachlorobiphenyl	94		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	102		30-150	B

Project Name: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER A**Report Date:** 07/23/18**SAMPLE RESULTS**

Lab ID: L1826668-08

Date Collected: 07/12/18 11:20

Client ID: MW-1

Date Received: 07/12/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 8151A

Analytical Method: 1,8151A

Extraction Date: 07/16/18 20:15

Analytical Date: 07/18/18 01:59

Analyst: SL

Methylation Date: 07/17/18 15:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
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Chlorinated Herbicides by GC - Westborough Lab

2,4-D	ND		ug/l	10.5	0.524	1	A
2,4,5-T	ND		ug/l	2.10	0.559	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.10	0.567	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	125		30-150	A
DCAA	94		30-150	B

Project Name: 2135 WESTCHESTER AVE.

Lab Number: L1826668

Project Number: 2135 WESTCHESTER AVE

Report Date: 07/23/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
 Analytical Date: 07/17/18 10:19
 Analyst: SL

Extraction Method: EPA 8151A
 Extraction Date: 07/16/18 06:35

Methylation Date: 07/17/18 04:17

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 07-08 Batch: WG1135959-1						
2,4-D	ND		ug/l	10.0	0.498	A
2,4,5-T	ND		ug/l	2.00	0.531	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	117		30-150	A
DCAA	92		30-150	B

Project Name: 2135 WESTCHESTER AVE.

Lab Number: L1826668

Project Number: 2135 WESTCHESTER AVE

Report Date: 07/23/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 07/19/18 10:57
 Analyst: KEG

Extraction Method: EPA 3510C
 Extraction Date: 07/18/18 20:06

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 07-08 Batch: WG1137117-1						
Delta-BHC	ND		ug/l	0.014	0.003	A
Lindane	ND		ug/l	0.014	0.003	A
Alpha-BHC	ND		ug/l	0.014	0.003	A
Beta-BHC	ND		ug/l	0.014	0.004	A
Heptachlor	ND		ug/l	0.014	0.002	A
Aldrin	ND		ug/l	0.014	0.002	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	A
Endrin	ND		ug/l	0.029	0.003	A
Endrin aldehyde	ND		ug/l	0.029	0.006	A
Endrin ketone	ND		ug/l	0.029	0.003	A
Dieldrin	ND		ug/l	0.029	0.003	A
4,4'-DDE	ND		ug/l	0.029	0.003	A
4,4'-DDD	ND		ug/l	0.029	0.003	A
4,4'-DDT	ND		ug/l	0.029	0.003	A
Endosulfan I	ND		ug/l	0.014	0.002	A
Endosulfan II	ND		ug/l	0.029	0.004	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	A
Methoxychlor	ND		ug/l	0.143	0.005	A
Toxaphene	ND		ug/l	0.143	0.045	A
cis-Chlordane	ND		ug/l	0.014	0.005	A
trans-Chlordane	ND		ug/l	0.014	0.004	A
Chlordane	ND		ug/l	0.143	0.033	A

Project Name: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER AVE**Report Date:** 07/23/18**Method Blank Analysis**
Batch Quality ControlAnalytical Method: 1,8081B
Analytical Date: 07/19/18 10:57
Analyst: KEGExtraction Method: EPA 3510C
Extraction Date: 07/18/18 20:06

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 07-08 Batch: WG1137117-1						

Surrogate	%Recovery	Qualifier	Acceptance	
			Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	96		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	89		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2135 WESTCHESTER AVE.

Lab Number: L1826668

Project Number: 2135 WESTCHESTER AVE

Report Date: 07/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 07-08 Batch: WG1135959-2 WG1135959-3									
2,4-D	134		142		30-150	6		25	A
2,4,5-T	108		113		30-150	5		25	A
2,4,5-TP (Silvex)	125		132		30-150	5		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	114		122		30-150	A
DCAA	101		107		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2135 WESTCHESTER AVE.

Lab Number: L1826668

Project Number: 2135 WESTCHESTER AVE

Report Date: 07/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 07-08 Batch: WG1137117-2 WG1137117-3									
Delta-BHC	112		115		30-150	3		20	A
Lindane	101		105		30-150	4		20	A
Alpha-BHC	106		108		30-150	2		20	A
Beta-BHC	95		98		30-150	4		20	A
Heptachlor	91		96		30-150	5		20	A
Aldrin	92		97		30-150	4		20	A
Heptachlor epoxide	100		104		30-150	4		20	A
Endrin	97		103		30-150	6		20	A
Endrin aldehyde	84		90		30-150	7		20	A
Endrin ketone	98		109		30-150	11		20	A
Dieldrin	101		107		30-150	6		20	A
4,4'-DDE	94		100		30-150	6		20	A
4,4'-DDD	91		99		30-150	8		20	A
4,4'-DDT	89		99		30-150	10		20	A
Endosulfan I	97		107		30-150	10		20	A
Endosulfan II	96		103		30-150	7		20	A
Endosulfan sulfate	104		111		30-150	7		20	A
Methoxychlor	81		87		30-150	8		20	A
cis-Chlordane	85		90		30-150	6		20	A
trans-Chlordane	91		97		30-150	6		20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2135 WESTCHESTER AVE.

Lab Number: L1826668

Project Number: 2135 WESTCHESTER AVE

Report Date: 07/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 07-08 Batch: WG1137117-2 WG1137117-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		94		30-150	A
Decachlorobiphenyl	74		85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		79		30-150	B
Decachlorobiphenyl	80		92		30-150	B

Matrix Spike Analysis*Batch Quality Control***Project Name:** 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER AVE**Report Date:** 07/23/18

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>	<i>Column</i>
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 07-08 QC Batch ID: WG1135959-4 WG1135959-5 QC Sample: L1826668-07 Client ID: MW-1B													
2,4-D	ND	5.26	6.77J	129		6.89J	131		30-150	2		25	A
2,4,5-T	ND	5.26	5.69	108		5.77	110		30-150	1		25	A
2,4,5-TP (Silvex)	ND	5.26	6.75	128		7.37	140		30-150	9		25	A

<i>Surrogate</i>	<i>MS % Recovery</i>	<i>Qualifier</i>	<i>MSD % Recovery</i>	<i>Qualifier</i>	<i>Acceptance Criteria</i>	<i>Column</i>
DCAA	134		127		30-150	A
DCAA	591	Q	441	Q	30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: 2135 WESTCHESTER AVE.

Project Number: 2135 WESTCHESTER AVE

Lab Number: L1826668

Report Date: 07/23/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab ID: MW-1B Associated sample(s): 07-08 QC Batch ID: WG1137117-4 WG1137117-5 QC Sample: L1826668-07 Client													
Delta-BHC	ND	0.357	0.438	123		0.406	114		30-150	8		30	A
Lindane	ND	0.357	0.382	107		0.358	100		30-150	6		30	A
Alpha-BHC	ND	0.357	0.390	109		0.366	102		30-150	6		30	A
Beta-BHC	ND	0.357	0.360	101		0.332	93		30-150	8		30	A
Heptachlor	ND	0.357	0.347	97		0.325	91		30-150	7		30	A
Aldrin	ND	0.357	0.353	99		0.328	92		30-150	7		30	A
Heptachlor epoxide	ND	0.357	0.369	103		0.353	99		30-150	4		30	A
Endrin	ND	0.357	0.378	106		0.359	101		30-150	5		30	A
Endrin aldehyde	ND	0.357	0.359	101		0.348	97		30-150	3		30	A
Endrin ketone	ND	0.357	0.405	113		0.391	109		30-150	4		30	A
Dieldrin	ND	0.357	0.402	113		0.379	106		30-150	6		30	A
4,4'-DDE	ND	0.357	0.375	105		0.344	96		30-150	9		30	A
4,4'-DDD	ND	0.357	0.364	102		0.350	98		30-150	4		30	A
4,4'-DDT	ND	0.357	0.366	102		0.338	95		30-150	8		30	A
Endosulfan I	ND	0.357	0.374	105		0.345	97		30-150	8		30	A
Endosulfan II	ND	0.357	0.380	106		0.359	101		30-150	6		30	A
Endosulfan sulfate	ND	0.357	0.416	116		0.394	110		30-150	5		30	A
Methoxychlor	ND	0.357	0.348	97		0.329	92		30-150	6		30	A
cis-Chlordane	ND	0.357	0.333	93		0.309	86		30-150	7		30	A
trans-Chlordane	ND	0.357	0.345	97		0.327	92		30-150	5		30	A

Matrix Spike Analysis**Batch Quality Control****Project Name:** 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER AVE**Report Date:** 07/23/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 07-08 QC Batch ID: WG1137117-4 WG1137117-5 QC Sample: L1826668-07 Client ID: MW-1B												

Surrogate	MS		MSD		Acceptance Criteria	Column
	% Recovery	Qualifier	% Recovery	Qualifier		
2,4,5,6-Tetrachloro-m-xylene	101		93		30-150	A
Decachlorobiphenyl	89		85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		74		30-150	B
Decachlorobiphenyl	86		88		30-150	B

METALS

Project Name: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER AVE**Report Date:** 07/23/18**SAMPLE RESULTS**

Lab ID: L1826668-07

Date Collected: 07/12/18 09:35

Client ID: MW-1B

Date Received: 07/12/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.165		mg/l	0.0100	0.00327	1	07/18/18 09:45	07/19/18 10:04	EPA 3005A	1,6020B	AM
Antimony, Total	0.00526		mg/l	0.00400	0.00042	1	07/18/18 09:45	07/19/18 10:04	EPA 3005A	1,6020B	AM
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	07/18/18 09:45	07/19/18 10:04	EPA 3005A	1,6020B	AM
Barium, Total	0.06977		mg/l	0.00050	0.00017	1	07/18/18 09:45	07/19/18 10:04	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	07/18/18 09:45	07/19/18 10:04	EPA 3005A	1,6020B	AM
Cadmium, Total	0.00007	J	mg/l	0.00020	0.00005	1	07/18/18 09:45	07/19/18 10:04	EPA 3005A	1,6020B	AM
Calcium, Total	71.4		mg/l	0.100	0.0394	1	07/18/18 09:45	07/19/18 10:04	EPA 3005A	1,6020B	AM
Chromium, Total	ND		mg/l	0.00100	0.00017	1	07/18/18 09:45	07/19/18 10:04	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00111		mg/l	0.00050	0.00016	1	07/18/18 09:45	07/19/18 10:04	EPA 3005A	1,6020B	AM
Copper, Total	0.00442		mg/l	0.00100	0.00038	1	07/18/18 09:45	07/19/18 10:04	EPA 3005A	1,6020B	AM
Iron, Total	0.608		mg/l	0.0500	0.0191	1	07/18/18 09:45	07/19/18 10:04	EPA 3005A	1,6020B	AM
Lead, Total	0.00045	J	mg/l	0.00100	0.00034	1	07/18/18 09:45	07/19/18 10:04	EPA 3005A	1,6020B	AM
Magnesium, Total	28.5		mg/l	0.0700	0.0242	1	07/18/18 09:45	07/19/18 10:04	EPA 3005A	1,6020B	AM
Manganese, Total	2.373		mg/l	0.00100	0.00044	1	07/18/18 09:45	07/19/18 10:04	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	07/17/18 15:27	07/17/18 20:09	EPA 7470A	1,7470A	MG
Nickel, Total	0.00485		mg/l	0.00200	0.00055	1	07/18/18 09:45	07/19/18 10:04	EPA 3005A	1,6020B	AM
Potassium, Total	12.2		mg/l	0.100	0.0309	1	07/18/18 09:45	07/19/18 10:04	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	07/18/18 09:45	07/19/18 10:04	EPA 3005A	1,6020B	AM
Silver, Total	0.00038	J	mg/l	0.00040	0.00016	1	07/18/18 09:45	07/19/18 10:04	EPA 3005A	1,6020B	AM
Sodium, Total	34.2		mg/l	0.100	0.0293	1	07/18/18 09:45	07/19/18 10:04	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	07/18/18 09:45	07/19/18 10:04	EPA 3005A	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	07/18/18 09:45	07/19/18 10:04	EPA 3005A	1,6020B	AM
Zinc, Total	5.352		mg/l	0.01000	0.00341	1	07/18/18 09:45	07/19/18 10:04	EPA 3005A	1,6020B	AM
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	07/17/18 17:50	07/18/18 11:05	EPA 3005A	1,6020B	AM
Antimony, Dissolved	0.00256	J	mg/l	0.00400	0.00042	1	07/17/18 17:50	07/18/18 11:05	EPA 3005A	1,6020B	AM
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	07/17/18 17:50	07/18/18 11:05	EPA 3005A	1,6020B	AM
Barium, Dissolved	0.05416		mg/l	0.00050	0.00017	1	07/17/18 17:50	07/18/18 11:05	EPA 3005A	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	07/17/18 17:50	07/18/18 11:05	EPA 3005A	1,6020B	AM



Project Name: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER A**Report Date:** 07/23/18**SAMPLE RESULTS**

Lab ID: L1826668-07

Date Collected: 07/12/18 09:35

Client ID: MW-1B

Date Received: 07/12/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	07/17/18 17:50	07/18/18 11:05	EPA 3005A	1,6020B	AM
Calcium, Dissolved	53.5		mg/l	0.100	0.0394	1	07/17/18 17:50	07/18/18 11:05	EPA 3005A	1,6020B	AM
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	07/17/18 17:50	07/18/18 11:05	EPA 3005A	1,6020B	AM
Cobalt, Dissolved	0.00020	J	mg/l	0.00050	0.00016	1	07/17/18 17:50	07/18/18 11:05	EPA 3005A	1,6020B	AM
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	07/17/18 17:50	07/18/18 11:05	EPA 3005A	1,6020B	AM
Iron, Dissolved	ND		mg/l	0.0500	0.0191	1	07/17/18 17:50	07/18/18 11:05	EPA 3005A	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	07/17/18 17:50	07/18/18 11:05	EPA 3005A	1,6020B	AM
Magnesium, Dissolved	23.3		mg/l	0.0700	0.0242	1	07/17/18 17:50	07/18/18 11:05	EPA 3005A	1,6020B	AM
Manganese, Dissolved	0.7501		mg/l	0.00100	0.00044	1	07/17/18 17:50	07/18/18 11:05	EPA 3005A	1,6020B	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	07/18/18 12:15	07/18/18 16:31	EPA 7470A	1,7470A	MG
Nickel, Dissolved	0.00078	J	mg/l	0.00200	0.00055	1	07/17/18 17:50	07/18/18 11:05	EPA 3005A	1,6020B	AM
Potassium, Dissolved	17.6		mg/l	0.100	0.0309	1	07/17/18 17:50	07/18/18 11:05	EPA 3005A	1,6020B	AM
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	07/17/18 17:50	07/18/18 11:05	EPA 3005A	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	07/17/18 17:50	07/18/18 11:05	EPA 3005A	1,6020B	AM
Sodium, Dissolved	33.1		mg/l	0.100	0.0293	1	07/17/18 17:50	07/18/18 11:05	EPA 3005A	1,6020B	AM
Thallium, Dissolved	ND		mg/l	0.00050	0.00014	1	07/17/18 17:50	07/18/18 11:05	EPA 3005A	1,6020B	AM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	07/17/18 17:50	07/18/18 11:05	EPA 3005A	1,6020B	AM
Zinc, Dissolved	0.8302		mg/l	0.01000	0.00341	1	07/17/18 17:50	07/18/18 11:05	EPA 3005A	1,6020B	AM



Project Name: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER AVE**Report Date:** 07/23/18**SAMPLE RESULTS**

Lab ID: L1826668-08

Date Collected: 07/12/18 11:20

Client ID: MW-1

Date Received: 07/12/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.208		mg/l	0.0100	0.00327	1	07/18/18 09:45	07/19/18 10:58	EPA 3005A	1,6020B	AM
Antimony, Total	0.00046	J	mg/l	0.00400	0.00042	1	07/18/18 09:45	07/19/18 10:58	EPA 3005A	1,6020B	AM
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	07/18/18 09:45	07/19/18 10:58	EPA 3005A	1,6020B	AM
Barium, Total	0.09922		mg/l	0.00050	0.00017	1	07/18/18 09:45	07/19/18 10:58	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	07/18/18 09:45	07/19/18 10:58	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	07/18/18 09:45	07/19/18 10:58	EPA 3005A	1,6020B	AM
Calcium, Total	110.		mg/l	0.100	0.0394	1	07/18/18 09:45	07/19/18 10:58	EPA 3005A	1,6020B	AM
Chromium, Total	ND		mg/l	0.00100	0.00017	1	07/18/18 09:45	07/19/18 10:58	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00574		mg/l	0.00050	0.00016	1	07/18/18 09:45	07/19/18 10:58	EPA 3005A	1,6020B	AM
Copper, Total	0.00070	J	mg/l	0.00100	0.00038	1	07/18/18 09:45	07/19/18 10:58	EPA 3005A	1,6020B	AM
Iron, Total	9.65		mg/l	0.0500	0.0191	1	07/18/18 09:45	07/19/18 10:58	EPA 3005A	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	07/18/18 09:45	07/19/18 10:58	EPA 3005A	1,6020B	AM
Magnesium, Total	72.4		mg/l	0.0700	0.0242	1	07/18/18 09:45	07/19/18 10:58	EPA 3005A	1,6020B	AM
Manganese, Total	1.686		mg/l	0.00100	0.00044	1	07/18/18 09:45	07/19/18 10:58	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	07/17/18 15:27	07/17/18 20:14	EPA 7470A	1,7470A	MG
Nickel, Total	0.01354		mg/l	0.00200	0.00055	1	07/18/18 09:45	07/19/18 10:58	EPA 3005A	1,6020B	AM
Potassium, Total	10.1		mg/l	0.100	0.0309	1	07/18/18 09:45	07/19/18 10:58	EPA 3005A	1,6020B	AM
Selenium, Total	0.00228	J	mg/l	0.00500	0.00173	1	07/18/18 09:45	07/19/18 10:58	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	07/18/18 09:45	07/19/18 10:58	EPA 3005A	1,6020B	AM
Sodium, Total	76.4		mg/l	0.100	0.0293	1	07/18/18 09:45	07/19/18 10:58	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	07/18/18 09:45	07/19/18 10:58	EPA 3005A	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	07/18/18 09:45	07/19/18 10:58	EPA 3005A	1,6020B	AM
Zinc, Total	0.01150		mg/l	0.01000	0.00341	1	07/18/18 09:45	07/19/18 10:58	EPA 3005A	1,6020B	AM
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	07/17/18 17:50	07/18/18 13:04	EPA 3005A	1,6020B	AM
Antimony, Dissolved	ND		mg/l	0.00400	0.00042	1	07/17/18 17:50	07/18/18 13:04	EPA 3005A	1,6020B	AM
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	07/17/18 17:50	07/18/18 13:04	EPA 3005A	1,6020B	AM
Barium, Dissolved	0.09048		mg/l	0.00050	0.00017	1	07/17/18 17:50	07/18/18 13:04	EPA 3005A	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	07/17/18 17:50	07/18/18 13:04	EPA 3005A	1,6020B	AM



Project Name: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER A**Report Date:** 07/23/18**SAMPLE RESULTS**

Lab ID: L1826668-08

Date Collected: 07/12/18 11:20

Client ID: MW-1

Date Received: 07/12/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	07/17/18 17:50	07/18/18 13:04	EPA 3005A	1,6020B	AM
Calcium, Dissolved	116.		mg/l	0.100	0.0394	1	07/17/18 17:50	07/18/18 13:04	EPA 3005A	1,6020B	AM
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	07/17/18 17:50	07/18/18 13:04	EPA 3005A	1,6020B	AM
Cobalt, Dissolved	0.00538		mg/l	0.00050	0.00016	1	07/17/18 17:50	07/18/18 13:04	EPA 3005A	1,6020B	AM
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	07/17/18 17:50	07/18/18 13:04	EPA 3005A	1,6020B	AM
Iron, Dissolved	1.53		mg/l	0.0500	0.0191	1	07/17/18 17:50	07/18/18 13:04	EPA 3005A	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	07/17/18 17:50	07/18/18 13:04	EPA 3005A	1,6020B	AM
Magnesium, Dissolved	69.7		mg/l	0.0700	0.0242	1	07/17/18 17:50	07/18/18 13:04	EPA 3005A	1,6020B	AM
Manganese, Dissolved	1.718		mg/l	0.00100	0.00044	1	07/17/18 17:50	07/18/18 13:04	EPA 3005A	1,6020B	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	07/18/18 12:15	07/18/18 16:37	EPA 7470A	1,7470A	MG
Nickel, Dissolved	0.01388		mg/l	0.00200	0.00055	1	07/17/18 17:50	07/18/18 13:04	EPA 3005A	1,6020B	AM
Potassium, Dissolved	10.4		mg/l	0.100	0.0309	1	07/17/18 17:50	07/18/18 13:04	EPA 3005A	1,6020B	AM
Selenium, Dissolved	0.00237	J	mg/l	0.00500	0.00173	1	07/17/18 17:50	07/18/18 13:04	EPA 3005A	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	07/17/18 17:50	07/18/18 13:04	EPA 3005A	1,6020B	AM
Sodium, Dissolved	65.1		mg/l	0.100	0.0293	1	07/17/18 17:50	07/18/18 13:04	EPA 3005A	1,6020B	AM
Thallium, Dissolved	ND		mg/l	0.00050	0.00014	1	07/17/18 17:50	07/18/18 13:04	EPA 3005A	1,6020B	AM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	07/17/18 17:50	07/18/18 13:04	EPA 3005A	1,6020B	AM
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	07/17/18 17:50	07/18/18 13:04	EPA 3005A	1,6020B	AM



Project Name: 2135 WESTCHESTER AVE.

Lab Number: L1826668

Project Number: 2135 WESTCHESTER A

Report Date: 07/23/18

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): 07-08 Batch: WG1136555-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	07/17/18 15:27	07/17/18 20:05	1,7470A	MG

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 07-08 Batch: WG1136581-1										
Aluminum, Dissolved	0.0227		mg/l	0.0100	0.00327	1	07/17/18 17:50	07/18/18 10:57	1,6020B	AM
Antimony, Dissolved	ND		mg/l	0.00400	0.00042	1	07/17/18 17:50	07/18/18 10:57	1,6020B	AM
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	07/17/18 17:50	07/18/18 10:57	1,6020B	AM
Barium, Dissolved	ND		mg/l	0.00050	0.00017	1	07/17/18 17:50	07/18/18 10:57	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	07/17/18 17:50	07/18/18 10:57	1,6020B	AM
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	07/17/18 17:50	07/18/18 10:57	1,6020B	AM
Calcium, Dissolved	ND		mg/l	0.100	0.0394	1	07/17/18 17:50	07/18/18 10:57	1,6020B	AM
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	07/17/18 17:50	07/18/18 10:57	1,6020B	AM
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	07/17/18 17:50	07/18/18 10:57	1,6020B	AM
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	07/17/18 17:50	07/18/18 10:57	1,6020B	AM
Iron, Dissolved	ND		mg/l	0.0500	0.0191	1	07/17/18 17:50	07/18/18 10:57	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	07/17/18 17:50	07/18/18 10:57	1,6020B	AM
Magnesium, Dissolved	ND		mg/l	0.0700	0.0242	1	07/17/18 17:50	07/18/18 10:57	1,6020B	AM
Manganese, Dissolved	ND		mg/l	0.00100	0.00044	1	07/17/18 17:50	07/18/18 10:57	1,6020B	AM
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	07/17/18 17:50	07/18/18 10:57	1,6020B	AM
Potassium, Dissolved	ND		mg/l	0.100	0.0309	1	07/17/18 17:50	07/18/18 10:57	1,6020B	AM
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	07/17/18 17:50	07/18/18 10:57	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	07/17/18 17:50	07/18/18 10:57	1,6020B	AM
Sodium, Dissolved	ND		mg/l	0.100	0.0293	1	07/17/18 17:50	07/18/18 10:57	1,6020B	AM
Thallium, Dissolved	ND		mg/l	0.00050	0.00014	1	07/17/18 17:50	07/18/18 10:57	1,6020B	AM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	07/17/18 17:50	07/18/18 10:57	1,6020B	AM
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	07/17/18 17:50	07/18/18 10:57	1,6020B	AM

Project Name: 2135 WESTCHESTER AVE.

Lab Number: L1826668

Project Number: 2135 WESTCHESTER A

Report Date: 07/23/18

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 07-08 Batch: WG1136849-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	07/18/18 09:45	07/19/18 09:55	1,6020B	AM
Antimony, Total	0.00111	J	mg/l	0.00400	0.00042	1	07/18/18 09:45	07/19/18 09:55	1,6020B	AM
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	07/18/18 09:45	07/19/18 09:55	1,6020B	AM
Barium, Total	ND		mg/l	0.00050	0.00017	1	07/18/18 09:45	07/19/18 09:55	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	07/18/18 09:45	07/19/18 09:55	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	07/18/18 09:45	07/19/18 09:55	1,6020B	AM
Calcium, Total	ND		mg/l	0.100	0.0394	1	07/18/18 09:45	07/19/18 09:55	1,6020B	AM
Chromium, Total	ND		mg/l	0.00100	0.00017	1	07/18/18 09:45	07/19/18 09:55	1,6020B	AM
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	07/18/18 09:45	07/19/18 09:55	1,6020B	AM
Copper, Total	ND		mg/l	0.00100	0.00038	1	07/18/18 09:45	07/19/18 09:55	1,6020B	AM
Iron, Total	ND		mg/l	0.0500	0.0191	1	07/18/18 09:45	07/19/18 09:55	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	07/18/18 09:45	07/19/18 09:55	1,6020B	AM
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	07/18/18 09:45	07/19/18 09:55	1,6020B	AM
Manganese, Total	ND		mg/l	0.00100	0.00044	1	07/18/18 09:45	07/19/18 09:55	1,6020B	AM
Nickel, Total	ND		mg/l	0.00200	0.00055	1	07/18/18 09:45	07/19/18 09:55	1,6020B	AM
Potassium, Total	ND		mg/l	0.100	0.0309	1	07/18/18 09:45	07/19/18 09:55	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	07/18/18 09:45	07/19/18 09:55	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	07/18/18 09:45	07/19/18 09:55	1,6020B	AM
Sodium, Total	ND		mg/l	0.100	0.0293	1	07/18/18 09:45	07/19/18 09:55	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	07/18/18 09:45	07/19/18 09:55	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	07/18/18 09:45	07/19/18 09:55	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	07/18/18 09:45	07/19/18 09:55	1,6020B	AM

Prep Information

Digestion Method: EPA 3005A



Project Name: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER A**Report Date:** 07/23/18

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 07-08 Batch: WG1136938-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	07/18/18 12:15	07/18/18 16:28	1,7470A	MG

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER AVE**Report Date:** 07/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 07-08 Batch: WG1136555-2								
Mercury, Total	94		-		80-120	-		

Lab Control Sample Analysis Batch Quality Control

Project Name: 2135 WESTCHESTER AVE.

Lab Number: L1826668

Project Number: 2135 WESTCHESTER AVE

Report Date: 07/23/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 07-08 Batch: WG1136581-2					
Aluminum, Dissolved	114	-	80-120	-	
Antimony, Dissolved	81	-	80-120	-	
Arsenic, Dissolved	102	-	80-120	-	
Barium, Dissolved	103	-	80-120	-	
Beryllium, Dissolved	104	-	80-120	-	
Cadmium, Dissolved	108	-	80-120	-	
Calcium, Dissolved	100	-	80-120	-	
Chromium, Dissolved	103	-	80-120	-	
Cobalt, Dissolved	101	-	80-120	-	
Copper, Dissolved	103	-	80-120	-	
Iron, Dissolved	111	-	80-120	-	
Lead, Dissolved	105	-	80-120	-	
Magnesium, Dissolved	110	-	80-120	-	
Manganese, Dissolved	105	-	80-120	-	
Nickel, Dissolved	100	-	80-120	-	
Potassium, Dissolved	103	-	80-120	-	
Selenium, Dissolved	104	-	80-120	-	
Silver, Dissolved	93	-	80-120	-	
Sodium, Dissolved	98	-	80-120	-	
Thallium, Dissolved	100	-	80-120	-	
Vanadium, Dissolved	103	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control**Project Name:** 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER AVE**Report Date:** 07/23/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 07-08 Batch: WG1136581-2					
Zinc, Dissolved	103	-	80-120	-	

Lab Control Sample Analysis Batch Quality Control

Project Name: 2135 WESTCHESTER AVE.

Lab Number: L1826668

Project Number: 2135 WESTCHESTER AVE

Report Date: 07/23/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 07-08 Batch: WG1136849-2					
Aluminum, Total	111	-	80-120	-	
Antimony, Total	102	-	80-120	-	
Arsenic, Total	102	-	80-120	-	
Barium, Total	102	-	80-120	-	
Beryllium, Total	104	-	80-120	-	
Cadmium, Total	106	-	80-120	-	
Calcium, Total	94	-	80-120	-	
Chromium, Total	98	-	80-120	-	
Cobalt, Total	98	-	80-120	-	
Copper, Total	101	-	80-120	-	
Iron, Total	117	-	80-120	-	
Lead, Total	105	-	80-120	-	
Magnesium, Total	112	-	80-120	-	
Manganese, Total	104	-	80-120	-	
Nickel, Total	98	-	80-120	-	
Potassium, Total	109	-	80-120	-	
Selenium, Total	100	-	80-120	-	
Silver, Total	102	-	80-120	-	
Sodium, Total	101	-	80-120	-	
Thallium, Total	101	-	80-120	-	
Vanadium, Total	102	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2135 WESTCHESTER AVE.

Project Number: 2135 WESTCHESTER AVE

Lab Number: L1826668

Report Date: 07/23/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 07-08 Batch: WG1136849-2					
Zinc, Total	98	-	80-120	-	
Dissolved Metals - Mansfield Lab Associated sample(s): 07-08 Batch: WG1136938-2					
Mercury, Dissolved	97	-	80-120	-	

Matrix Spike Analysis Batch Quality Control

Project Name: 2135 WESTCHESTER AVE.

Lab Number: L1826668

Project Number: 2135 WESTCHESTER AVE

Report Date: 07/23/18

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): 07-08 QC Batch ID: WG1136555-3 WG1136555-4 QC Sample: L1826668-07 Client ID: MW-1B												
Mercury, Total	ND	0.005	0.00456	91		0.00456	91		75-125	0		20

Matrix Spike Analysis

Batch Quality Control

Project Name: 2135 WESTCHESTER AVE.

Project Number: 2135 WESTCHESTER AVE

Lab Number: L1826668

Report Date: 07/23/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 07-08 QC Batch ID: WG1136581-3 WG1136581-4 QC Sample: L1826668-07 Client ID: MW-1B									
Aluminum, Dissolved	ND	2	2.06	103	2.12	106	75-125	3	20
Antimony, Dissolved	0.00256J	0.5	0.4655	93	0.4373	87	75-125	6	20
Arsenic, Dissolved	ND	0.12	0.1251	104	0.1221	102	75-125	2	20
Barium, Dissolved	0.05416	2	2.020	98	2.053	100	75-125	2	20
Beryllium, Dissolved	ND	0.05	0.05236	105	0.05175	104	75-125	1	20
Cadmium, Dissolved	ND	0.051	0.05223	102	0.05276	103	75-125	1	20
Calcium, Dissolved	53.5	10	60.2	67	Q 63.1	96	75-125	5	20
Chromium, Dissolved	ND	0.2	0.1927	96	0.1990	100	75-125	3	20
Cobalt, Dissolved	0.00020J	0.5	0.4900	98	0.4921	98	75-125	0	20
Copper, Dissolved	ND	0.25	0.2451	98	0.2446	98	75-125	0	20
Iron, Dissolved	ND	1	1.27	127	Q 1.17	117	75-125	8	20
Lead, Dissolved	ND	0.51	0.5102	100	0.5176	101	75-125	1	20
Magnesium, Dissolved	23.3	10	32.7	94	34.1	108	75-125	4	20
Manganese, Dissolved	0.7501	0.5	1.242	98	1.252	100	75-125	1	20
Nickel, Dissolved	0.00078J	0.5	0.4842	97	0.4863	97	75-125	0	20
Potassium, Dissolved	17.6	10	26.3	87	27.2	96	75-125	3	20
Selenium, Dissolved	ND	0.12	0.120	100	0.116	97	75-125	3	20
Silver, Dissolved	ND	0.05	0.04700	94	0.04784	96	75-125	2	20
Sodium, Dissolved	33.1	10	41.0	79	50.2	171	Q 75-125	20	20
Thallium, Dissolved	ND	0.12	0.1155	96	0.1121	93	75-125	3	20
Vanadium, Dissolved	ND	0.5	0.5051	101	0.4925	98	75-125	3	20

Matrix Spike Analysis

Batch Quality Control

Project Name: 2135 WESTCHESTER AVE.

Lab Number: L1826668

Project Number: 2135 WESTCHESTER AVE

Report Date: 07/23/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 07-08 QC Batch ID: WG1136581-3 WG1136581-4 QC Sample: L1826668-07 Client ID: MW-1B									
Zinc, Dissolved	0.8302	0.5	1.355	105	1.372	108	75-125	1	20

Matrix Spike Analysis **Batch Quality Control**

Project Name: 2135 WESTCHESTER AVE.

Project Number: 2135 WESTCHESTER AVE

Lab Number: L1826668

Report Date: 07/23/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 07-08 QC Batch ID: WG1136849-3 WG1136849-4 QC Sample: L1826668-07 Client ID: MW-1B									
Aluminum, Total	0.165	2	2.40	112	2.30	107	75-125	4	20
Antimony, Total	0.00526	0.5	0.4802	95	0.5038	100	75-125	5	20
Arsenic, Total	ND	0.12	0.1238	103	0.1192	99	75-125	4	20
Barium, Total	0.06977	2	2.171	105	2.149	104	75-125	1	20
Beryllium, Total	ND	0.05	0.05382	108	0.05193	104	75-125	4	20
Cadmium, Total	0.00007J	0.051	0.05525	108	0.05595	110	75-125	1	20
Calcium, Total	71.4	10	78.5	71	Q 78.0	66	Q 75-125	1	20
Chromium, Total	ND	0.2	0.2058	103	0.2030	102	75-125	1	20
Cobalt, Total	0.00111	0.5	0.5122	102	0.4966	99	75-125	3	20
Copper, Total	0.00442	0.25	0.2624	103	0.2610	103	75-125	1	20
Iron, Total	0.608	1	1.65	104	1.62	101	75-125	2	20
Lead, Total	0.00045J	0.51	0.5575	109	0.5495	108	75-125	1	20
Magnesium, Total	28.5	10	39.5	110	38.2	97	75-125	3	20
Manganese, Total	2.373	0.5	2.588	43	Q 2.542	34	Q 75-125	2	20
Nickel, Total	0.00485	0.5	0.5142	102	0.5031	100	75-125	2	20
Potassium, Total	12.2	10	22.4	102	22.2	100	75-125	1	20
Selenium, Total	ND	0.12	0.122	102	0.123	102	75-125	1	20
Silver, Total	0.00038J	0.05	0.05278	106	0.05300	106	75-125	0	20
Sodium, Total	34.2	10	41.8	76	40.6	64	Q 75-125	3	20
Thallium, Total	ND	0.12	0.1263	105	0.1261	105	75-125	0	20
Vanadium, Total	ND	0.5	0.5309	106	0.5310	106	75-125	0	20

Matrix Spike Analysis Batch Quality Control

Project Name: 2135 WESTCHESTER AVE.

Lab Number: L1826668

Project Number: 2135 WESTCHESTER AVE

Report Date: 07/23/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 07-08 QC Batch ID: WG1136849-3 WG1136849-4 QC Sample: L1826668-07 Client ID: MW-1B									
Zinc, Total	5.352	0.5	5.928	115	5.848	99	75-125	1	20
Dissolved Metals - Mansfield Lab Associated sample(s): 07-08 QC Batch ID: WG1136938-3 WG1136938-4 QC Sample: L1826668-07 Client ID: MW-1B									
Mercury, Dissolved	ND	0.005	0.00476	95	0.00459	92	75-125	4	20

INORGANICS & MISCELLANEOUS

Project Name: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER AVE**Report Date:** 07/23/18**SAMPLE RESULTS****Lab ID:** L1826668-07**Date Collected:** 07/12/18 09:35**Client ID:** MW-1B**Date Received:** 07/12/18**Sample Location:** BRONX, NY**Field Prep:** Not Specified**Sample Depth:****Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	07/16/18 16:00	07/17/18 11:34	1,9010C/9012B	LH
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	07/13/18 08:12	07/13/18 08:36	1,7196A	UN



Project Name: 2135 WESTCHESTER AVE.

Lab Number: L1826668

Project Number: 2135 WESTCHESTER AVE

Report Date: 07/23/18

SAMPLE RESULTS

Lab ID: L1826668-08

Date Collected: 07/12/18 11:20

Client ID: MW-1

Date Received: 07/12/18

Sample Location: BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	0.003	J	mg/l	0.005	0.001	1	07/16/18 16:00	07/17/18 11:56	1,9010C/9012B	LH
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	07/13/18 08:12	07/13/18 08:36	1,7196A	UN



Project Name: 2135 WESTCHESTER AVE.
Project Number: 2135 WESTCHESTER AVE

Lab Number: L1826668
Report Date: 07/23/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 07-08 Batch: WG1135319-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	07/13/18 08:12	07/13/18 08:33	1,7196A	UN
General Chemistry - Westborough Lab for sample(s): 07-08 Batch: WG1136108-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	07/16/18 16:00	07/17/18 11:03	1,9010C/9012B	LH

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2135 WESTCHESTER AVE.

Project Number: 2135 WESTCHESTER AVE

Lab Number: L1826668

Report Date: 07/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 07-08 Batch: WG1135319-2								
Chromium, Hexavalent	95		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 07-08 Batch: WG1136108-2 WG1136108-3								
Cyanide, Total	99		99		85-115	0		20

Matrix Spike Analysis Batch Quality Control

Project Name: 2135 WESTCHESTER AVE.

Lab Number: L1826668

Project Number: 2135 WESTCHESTER AVE

Report Date: 07/23/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 07-08 QC Batch ID: WG1135319-4 WG1135319-5 QC Sample: L1826668-07 Client ID: MW-1B												
Chromium, Hexavalent	ND	0.1	0.095	95		0.096	96		85-115	1		20
General Chemistry - Westborough Lab Associated sample(s): 07-08 QC Batch ID: WG1136108-4 WG1136108-5 QC Sample: L1826668-07 Client ID: MW-1B												
Cyanide, Total	ND	0.2	0.210	105		0.178	89		80-120	16		20

Lab Duplicate Analysis
*Batch Quality Control***Project Name:** 2135 WESTCHESTER AVE.**Project Number:** 2135 WESTCHESTER AVE**Lab Number:** L1826668**Report Date:** 07/23/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 07-08 QC Batch ID: WG1135319-3 QC Sample: L1826668-07 Client ID: MW-1B						
Chromium, Hexavalent	ND	ND	mg/l	NC		20

Project Name: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER AVE**Report Date:** 07/23/18**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent
C	Absent
D	Absent
E	Absent
F	Absent
G	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1826668-01A	Vial HCl preserved	F	NA		4.1	Y	Absent		NYTCL-8260(14)
L1826668-01B	Vial HCl preserved	F	NA		4.1	Y	Absent		NYTCL-8260(14)
L1826668-01C	Vial HCl preserved	F	NA		4.1	Y	Absent		NYTCL-8260(14)
L1826668-01D	Plastic 250ml Trizma preserved	F	NA		4.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L1826668-01E	Plastic 250ml Trizma preserved	F	NA		4.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L1826668-01F	Plastic 250ml Trizma preserved	F	NA		4.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L1826668-02A	Vial HCl preserved	B	NA		2.6	Y	Absent		NYTCL-8260(14)
L1826668-02B	Vial HCl preserved	B	NA		2.6	Y	Absent		NYTCL-8260(14)
L1826668-02C	Vial HCl preserved	B	NA		2.6	Y	Absent		NYTCL-8260(14)
L1826668-02D	Plastic 250ml Trizma preserved	B	NA		2.6	Y	Absent		A2-NY-537-ISOTOPE(14)
L1826668-02E	Plastic 250ml Trizma preserved	B	NA		2.6	Y	Absent		A2-NY-537-ISOTOPE(14)
L1826668-02F	Plastic 250ml Trizma preserved	B	NA		2.6	Y	Absent		A2-NY-537-ISOTOPE(14)
L1826668-02G	Amber 500ml unpreserved	B	7	7	2.6	Y	Absent		A2-14-DIOXANESIM-PPB(7)
L1826668-02H	Amber 500ml unpreserved	B	7	7	2.6	Y	Absent		A2-14-DIOXANESIM-PPB(7)
L1826668-03A	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)
L1826668-03B	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)

Project Name: 2135 WESTCHESTER AVE.**Lab Number:** L1826668**Project Number:** 2135 WESTCHESTER AVE**Report Date:** 07/23/18**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1826668-03C	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)
L1826668-03D	Plastic 250ml Trizma preserved	A	NA		3.6	Y	Absent		A2-NY-537-ISOTOPE(14)
L1826668-03E	Plastic 250ml Trizma preserved	A	NA		3.6	Y	Absent		A2-NY-537-ISOTOPE(14)
L1826668-03F	Plastic 250ml Trizma preserved	A	NA		3.6	Y	Absent		A2-NY-537-ISOTOPE(14)
L1826668-03G	Amber 500ml unpreserved	A	7	7	3.6	Y	Absent		A2-14-DIOXANESIM-PPB(7)
L1826668-03H	Amber 500ml unpreserved	A	7	7	3.6	Y	Absent		A2-14-DIOXANESIM-PPB(7)
L1826668-04A	Vial HCl preserved	G	NA		3.0	Y	Absent		NYTCL-8260(14)
L1826668-04B	Vial HCl preserved	G	NA		3.0	Y	Absent		NYTCL-8260(14)
L1826668-04C	Vial HCl preserved	G	NA		3.0	Y	Absent		NYTCL-8260(14)
L1826668-04D	Plastic 250ml Trizma preserved	G	NA		3.0	Y	Absent		A2-NY-537-ISOTOPE(14)
L1826668-04E	Plastic 250ml Trizma preserved	G	NA		3.0	Y	Absent		A2-NY-537-ISOTOPE(14)
L1826668-04F	Plastic 250ml Trizma preserved	G	NA		3.0	Y	Absent		A2-NY-537-ISOTOPE(14)
L1826668-04G	Amber 500ml unpreserved	G	7	7	3.0	Y	Absent		A2-14-DIOXANESIM-PPB(7)
L1826668-04H	Amber 500ml unpreserved	G	7	7	3.0	Y	Absent		A2-14-DIOXANESIM-PPB(7)
L1826668-05A	Vial HCl preserved	G	NA		3.0	Y	Absent		NYTCL-8260(14)
L1826668-05B	Vial HCl preserved	G	NA		3.0	Y	Absent		NYTCL-8260(14)
L1826668-05C	Vial HCl preserved	G	NA		3.0	Y	Absent		NYTCL-8260(14)
L1826668-05D	Plastic 250ml Trizma preserved	G	NA		3.0	Y	Absent		A2-NY-537-ISOTOPE(14)
L1826668-05E	Plastic 250ml Trizma preserved	G	NA		3.0	Y	Absent		A2-NY-537-ISOTOPE(14)
L1826668-05F	Plastic 250ml Trizma preserved	G	NA		3.0	Y	Absent		A2-NY-537-ISOTOPE(14)
L1826668-05G	Amber 500ml unpreserved	G	7	7	3.0	Y	Absent		A2-14-DIOXANESIM-PPB(7)
L1826668-05H	Amber 500ml unpreserved	G	7	7	3.0	Y	Absent		A2-14-DIOXANESIM-PPB(7)
L1826668-06A	Plastic 250ml Trizma preserved	B	NA		2.6	Y	Absent		A2-NY-537-ISOTOPE(14)
L1826668-06B	Plastic 250ml Trizma preserved	B	NA		2.6	Y	Absent		A2-NY-537-ISOTOPE(14)
L1826668-06C	Plastic 250ml Trizma preserved	B	NA		2.6	Y	Absent		A2-NY-537-ISOTOPE(14)
L1826668-07A	Vial HCl preserved	C	NA		3.1	Y	Absent		NYTCL-8260(14)
L1826668-07A1	Vial HCl preserved	D	NA		5.6	Y	Absent		NYTCL-8260(14)
L1826668-07A2	Vial HCl preserved	E	NA		2.6	Y	Absent		NYTCL-8260(14)

Project Name: 2135 WESTCHESTER AVE.
Project Number: 2135 WESTCHESTER AVE

Serial_No:07231816:25
Lab Number: L1826668
Report Date: 07/23/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1826668-07B	Vial HCl preserved	C	NA		3.1	Y	Absent		NYTCL-8260(14)
L1826668-07B1	Vial HCl preserved	D	NA		5.6	Y	Absent		NYTCL-8260(14)
L1826668-07B2	Vial HCl preserved	E	NA		2.6	Y	Absent		NYTCL-8260(14)
L1826668-07C	Vial HCl preserved	C	NA		3.1	Y	Absent		NYTCL-8260(14)
L1826668-07C1	Vial HCl preserved	D	NA		5.6	Y	Absent		NYTCL-8260(14)
L1826668-07C2	Vial HCl preserved	E	NA		2.6	Y	Absent		NYTCL-8260(14)
L1826668-07D	Plastic 250ml Trizma preserved	C	NA		3.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L1826668-07D1	Plastic 250ml Trizma preserved	D	NA		5.6	Y	Absent		A2-NY-537-ISOTOPE(14)
L1826668-07D2	Plastic 250ml Trizma preserved	E	NA		2.6	Y	Absent		A2-NY-537-ISOTOPE(14)
L1826668-07E	Plastic 250ml Trizma preserved	C	NA		3.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L1826668-07E1	Plastic 250ml Trizma preserved	D	NA		5.6	Y	Absent		A2-NY-537-ISOTOPE(14)
L1826668-07E2	Plastic 250ml Trizma preserved	E	NA		2.6	Y	Absent		A2-NY-537-ISOTOPE(14)
L1826668-07F	Plastic 250ml Trizma preserved	C	NA		3.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L1826668-07F1	Plastic 250ml Trizma preserved	D	NA		5.6	Y	Absent		A2-NY-537-ISOTOPE(14)
L1826668-07F2	Plastic 250ml Trizma preserved	E	NA		2.6	Y	Absent		A2-NY-537-ISOTOPE(14)
L1826668-07G	Amber 500ml unpreserved	C	7	7	3.1	Y	Absent		A2-14-DIOXANESIM-PPB(7)
L1826668-07G1	Amber 500ml unpreserved	D	7	7	5.6	Y	Absent		A2-14-DIOXANESIM-PPB(7)
L1826668-07G2	Amber 500ml unpreserved	E	7	7	2.6	Y	Absent		A2-14-DIOXANESIM-PPB(7)
L1826668-07H	Amber 500ml unpreserved	C	7	7	3.1	Y	Absent		A2-14-DIOXANESIM-PPB(7)
L1826668-07H1	Amber 500ml unpreserved	D	7	7	5.6	Y	Absent		A2-14-DIOXANESIM-PPB(7)
L1826668-07H2	Amber 500ml unpreserved	E	7	7	2.6	Y	Absent		A2-14-DIOXANESIM-PPB(7)
L1826668-07I	Amber 120ml unpreserved	C	7	7	3.1	Y	Absent		NYTCL-8081(7)
L1826668-07I1	Amber 120ml unpreserved	D	7	7	5.6	Y	Absent		NYTCL-8081(7)
L1826668-07I2	Amber 120ml unpreserved	E	7	7	2.6	Y	Absent		NYTCL-8081(7)
L1826668-07J	Amber 120ml unpreserved	C	7	7	3.1	Y	Absent		NYTCL-8081(7)
L1826668-07J1	Amber 120ml unpreserved	D	7	7	5.6	Y	Absent		NYTCL-8081(7)
L1826668-07J2	Amber 120ml unpreserved	E	7	7	2.6	Y	Absent		NYTCL-8081(7)
L1826668-07K	Amber 120ml unpreserved	C	7	7	3.1	Y	Absent		NYTCL-8082-LVI(7)

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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1826668-07K1	Amber 120ml unpreserved	D	7	7	5.6	Y	Absent		NYTCL-8082-LVI(7)
L1826668-07K2	Amber 120ml unpreserved	E	7	7	2.6	Y	Absent		NYTCL-8082-LVI(7)
L1826668-07L	Amber 120ml unpreserved	C	7	7	3.1	Y	Absent		NYTCL-8082-LVI(7)
L1826668-07L1	Amber 120ml unpreserved	D	7	7	5.6	Y	Absent		NYTCL-8082-LVI(7)
L1826668-07L2	Amber 120ml unpreserved	E	7	7	2.6	Y	Absent		NYTCL-8082-LVI(7)
L1826668-07M	Amber 250ml unpreserved	C	7	7	3.1	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1826668-07M1	Amber 250ml unpreserved	D	7	7	5.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1826668-07M2	Amber 250ml unpreserved	E	7	7	2.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1826668-07N	Amber 250ml unpreserved	C	7	7	3.1	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1826668-07N1	Amber 250ml unpreserved	D	7	7	5.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1826668-07N2	Amber 250ml unpreserved	E	7	7	2.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1826668-07O	Plastic 250ml unpreserved	C	7	7	3.1	Y	Absent		HEXCR-7196(1)
L1826668-07O1	Plastic 250ml unpreserved	D	7	7	5.6	Y	Absent		HEXCR-7196(1)
L1826668-07O2	Plastic 250ml unpreserved	E	7	7	2.6	Y	Absent		HEXCR-7196(1)
L1826668-07P	Plastic 250ml unpreserved	C	7	7	3.1	Y	Absent		-
L1826668-07P1	Plastic 250ml unpreserved	D	7	7	5.6	Y	Absent		-
L1826668-07P2	Plastic 250ml unpreserved	E	7	7	2.6	Y	Absent		-
L1826668-07Q	Plastic 250ml HNO3 preserved	C	<2	<2	3.1	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1826668-07Q1	Plastic 250ml HNO3 preserved	D	<2	<2	5.6	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)

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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1826668-07Q2	Plastic 250ml HNO3 preserved	E	<2	<2	2.6	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1826668-07R	Amber 1000ml unpreserved	C	7	7	3.1	Y	Absent		HERB-APA(7)
L1826668-07R1	Amber 1000ml unpreserved	D	7	7	5.6	Y	Absent		HERB-APA(7)
L1826668-07R2	Amber 1000ml unpreserved	E	7	7	2.6	Y	Absent		HERB-APA(7)
L1826668-07S	Amber 1000ml unpreserved	C	7	7	3.1	Y	Absent		HERB-APA(7)
L1826668-07S1	Amber 1000ml unpreserved	D	7	7	5.6	Y	Absent		HERB-APA(7)
L1826668-07S2	Amber 1000ml unpreserved	E	7	7	2.6	Y	Absent		HERB-APA(7)
L1826668-07T	Plastic 250ml NaOH preserved	C	>12	>12	3.1	Y	Absent		TCN-9010(14)
L1826668-07T1	Plastic 250ml NaOH preserved	D	>12	>12	5.6	Y	Absent		TCN-9010(14)
L1826668-07T2	Plastic 250ml NaOH preserved	E	>12	>12	2.6	Y	Absent		TCN-9010(14)
L1826668-07X	Plastic 250ml HNO3 preserved Filtrates	C	N/A	N/A	3.1	Y	Absent		CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1826668-07X1	Plastic 250ml HNO3 preserved Filtrates	D	N/A	N/A	5.6	Y	Absent		CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)

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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1826668-07X2	Plastic 250ml HNO3 preserved Filtrates	E	N/A	N/A	2.6	Y	Absent		CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1826668-08A	Vial HCl preserved	F	NA		4.1	Y	Absent		NYTCL-8260(14)
L1826668-08B	Vial HCl preserved	F	NA		4.1	Y	Absent		NYTCL-8260(14)
L1826668-08C	Vial HCl preserved	F	NA		4.1	Y	Absent		NYTCL-8260(14)
L1826668-08D	Plastic 250ml Trizma preserved	F	NA		4.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L1826668-08E	Plastic 250ml Trizma preserved	F	NA		4.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L1826668-08F	Plastic 250ml Trizma preserved	F	NA		4.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L1826668-08G	Plastic 250ml unpreserved	F	7	7	4.1	Y	Absent		HEXCR-7196(1)
L1826668-08H	Amber 120ml unpreserved	F	7	7	4.1	Y	Absent		NYTCL-8081(7)
L1826668-08I	Amber 120ml unpreserved	F	7	7	4.1	Y	Absent		NYTCL-8081(7)
L1826668-08J	Amber 120ml unpreserved	F	7	7	4.1	Y	Absent		NYTCL-8082-LVI(7)
L1826668-08K	Amber 120ml unpreserved	F	7	7	4.1	Y	Absent		NYTCL-8082-LVI(7)
L1826668-08L	Amber 500ml unpreserved	F	7	7	4.1	Y	Absent		A2-14-DIOXANESIM-PPB(7)
L1826668-08M	Amber 500ml unpreserved	F	7	7	4.1	Y	Absent		A2-14-DIOXANESIM-PPB(7)
L1826668-08N	Amber 250ml unpreserved	F	7	7	4.1	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1826668-08O	Amber 250ml unpreserved	F	7	7	4.1	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1826668-08P	Plastic 250ml unpreserved	F	7	7	4.1	Y	Absent		-
L1826668-08Q	Plastic 250ml HNO3 preserved	F	<2	<2	4.1	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1826668-08R	Amber 1000ml unpreserved	F	7	7	4.1	Y	Absent		HERB-APA(7)
L1826668-08S	Amber 1000ml unpreserved	F	7	7	4.1	Y	Absent		HERB-APA(7)

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Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1826668-08T	Plastic 250ml NaOH preserved	F	>12	>12	4.1	Y	Absent		TCN-9010(14)
L1826668-08X	Plastic 120ml HNO3 preserved Filtrates	F	N/A	N/A	4.1	Y	Absent		CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1826668-09A	Vial HCl preserved	F	NA		4.1	Y	Absent		NYTCL-8260(14)
L1826668-09B	Vial HCl preserved	F	NA		4.1	Y	Absent		NYTCL-8260(14)

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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.

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.

Report Format: DU Report with 'J' Qualifiers



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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.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- 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.
- 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).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

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REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 122 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS). EPA Method 537, EPA/600/R-08/092. Version 1.1, September 2009.

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 **11**

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Certification Information**The following analytes are not included in our Primary NELAP Scope of Accreditation:****Westborough Facility****EPA 624:** 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 300:** DW: Bromide**EPA 6860:** SCM: Perchlorate**EPA 9010:** NPW and SCM: Amenable Cyanide Distillation**SM4500:** NPW: Amenable Cyanide, Dissolved Oxygen; 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, **EPA 351.1, 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 624:** Volatile Halocarbons & Aromatics,**EPA 608:** 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:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Be, Cd, Cr, Cu, 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, Pb, Mn, Ni, Se, Ag, TL, Zn.**EPA 245.1 Hg.****SM2340B**

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

 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193		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 <u>1</u> of <u>2</u>		Date Rec'd in Lab <u>7/12/18</u>		ALPHA Job # <u>L1826668</u>																																																																																																																																																																																							
		Project Information Project Name: <u>2135 Westchester Ave</u> Project Location: <u>BRONX, NY</u> Project # _____ (Use Project name as Project #) ☒ Project Manager: <u>NATHAN (AKRON)</u> ALPHAQuote #: _____ Turn-Around Time _____ Standard ☒ Rush (only if pre approved) ☐ Due Date: _____ # of Days: _____		Deliverables ☐ ASP-A ☒ ASP-B ☐ EQuIS (1 File) ☐ EQuIS (4 File) ☐ Other _____		Billing Information ☒ Same as Client Info PO # _____																																																																																																																																																																																									
Client Information Client: <u>TENEN ENVIRONMENTAL</u> Address: <u>121 W 27th Street</u> <u>NEW YORK, NY 10001</u> Phone: <u>646-600-2332</u> Fax: _____ Email: <u>MCARROLL@TENEN-ENV.COM</u>		Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other _____ ☐ NY Unrestricted Use ☐ NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☐ NY ☐ Other: _____																																																																																																																																																																																											
These samples have been previously analyzed by Alpha ☐ Other project specific requirements/comments: _____ Please specify Metals or TAL. _____		ANALYSIS <u>400-1,4-dioxane</u> <u>SVOCs</u> <u>PCBIS</u> <u>PCBS</u> <u>Hexachloro</u> <u>Heptachlor</u> <u>tot metals</u> <u>dissolved</u> <u>metals</u> <u>PFAS</u> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>ALPHA Lab ID (Lab Use Only)</th> <th>Sample ID</th> <th>Collection Date</th> <th>Collection Time</th> <th>Sample Matrix</th> <th>Sampler's Initials</th> <th>400-1,4-dioxane</th> <th>SVOCs</th> <th>PCBIS</th> <th>PCBS</th> <th>Hexachloro</th> <th>Heptachlor</th> <th>tot metals</th> <th>dissolved</th> <th>metals</th> <th>PFAS</th> <th>Sample Specific Comments</th> </tr> </thead> <tbody> <tr> <td><u>26664-01</u></td> <td><u>MW-3S</u></td> <td><u>7/12/18</u></td> <td><u>1320</u></td> <td><u>W</u></td> <td><u>CE</u></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td><u>VOCS & PFAS only</u></td> </tr> <tr> <td><u>02</u></td> <td><u>MW-2</u></td> <td><u>7/12/18</u></td> <td><u>1125</u></td> <td><u>W</u></td> <td><u>CE</u></td> <td><u>X</u></td> <td><u>X</u></td> <td><u>X</u></td> <td><u>X</u></td> <td><u>X</u></td> <td><u>X</u></td> <td><u>X</u></td> <td><u>X</u></td> <td><u>X</u></td> <td><u>X</u></td> <td><u>VOCS, PFAS & 1,4-dioxane</u></td> </tr> <tr> <td><u>03</u></td> <td><u>MW-4B</u></td> <td></td> <td><u>1325</u></td> <td><u>W</u></td> <td><u>CE</u></td> <td><u>X</u></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td><u>" " " "</u></td> </tr> <tr> <td><u>04</u></td> <td><u>MW-4B DUP</u></td> <td></td> <td><u>1340</u></td> <td><u>W</u></td> <td><u>CE</u></td> <td><u>X</u></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td><u>" " " "</u></td> </tr> <tr> <td><u>05</u></td> <td><u>MW-4S</u></td> <td></td> <td><u>1500</u></td> 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Comments	<u>26664-01</u>	<u>MW-3S</u>	<u>7/12/18</u>	<u>1320</u>	<u>W</u>	<u>CE</u>											<u>VOCS & PFAS only</u>	<u>02</u>	<u>MW-2</u>	<u>7/12/18</u>	<u>1125</u>	<u>W</u>	<u>CE</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>VOCS, PFAS & 1,4-dioxane</u>	<u>03</u>	<u>MW-4B</u>		<u>1325</u>	<u>W</u>	<u>CE</u>	<u>X</u>										<u>" " " "</u>	<u>04</u>	<u>MW-4B DUP</u>		<u>1340</u>	<u>W</u>	<u>CE</u>	<u>X</u>										<u>" " " "</u>	<u>05</u>	<u>MW-4S</u>		<u>1500</u>	<u>W</u>	<u>CE</u>	<u>X</u>										<u>" " " "</u>	<u>06</u>	<u>FIELD BLANK</u>		<u>1410</u>	<u>W</u>	<u>CE</u>										<u>PFAS only</u>	<u>07</u>	<u>NW-1B</u>		<u>0935</u>	<u>W</u>	<u>CE</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>full screen</u>	<u>08</u>	<u>NW-1BMS</u>		<u>0940</u>	<u>W</u>	<u>CE</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>" " " "</u>	<u>09</u>	<u>NW-1BMSD</u>		<u>0945</u>	<u>W</u>	<u>CE</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>" " " "</u>	<u>10</u>	<u>NW-1</u>		<u>1120</u>	<u>W</u>	<u>CE</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>" " " "</u>	Sample Filtration ☐ Done ☒ Lab to do ☐ Preservation ☐ Lab to do (Please Specify below) _____	
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	400-1,4-dioxane	SVOCs	PCBIS	PCBS	Hexachloro	Heptachlor	tot metals	dissolved	metals	PFAS	Sample Specific Comments																																																																																																																																																																															
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Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other		Container Code: P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type _____ Preservative _____		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)																																																																																																																																																																																							
Relinquished By: <u>[Signature]</u> <u>Kep Vogel</u>		Date/Time: <u>7/12/18 1040</u> <u>7/12/18 1900</u>		Received By: <u>[Signature]</u> <u>Reg Vogel</u>		Date/Time: <u>7/12/18 1400</u> <u>7/12/18 2300</u>																																																																																																																																																																																									

Appendix B
Community Air Monitoring Plan (CAMP) Results

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530102711
Firmware Version	3.7
Calibration Date	7/14/17
Test Name	MANUAL_001
Test Start Time	8:52:43 AM
Test Start Date	5/23/18
Test Length [D:H:M]	0:06:54
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.014
Mass Minimum [mg/m3]	0
Mass Maximum [mg/m3]	0.282
Mass TWA [mg/m3]	0.012
Photometric User Cal	1.13
Flow User Cal	0
Errors	
Number of Samples	414

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.037		
120	0.034		
180	0.034		
240	0.035		
300	0.035		
360	0.035		
420	0.035		
480	0.034		
540	0.056		
600	0.034		
660	0.033		
720	0.032		
780	0.032		
840	0.032		
900	0.032		
960	0.031		
1020	0.029		
1080	0.029		
1140	0.029		
1200	0.027		
1260	0.026		
1320	0.026		

1380	0.027
1440	0.029
1500	0.029
1560	0.037
1620	0.024
1680	0.025
1740	0.025
1800	0.03
1860	0.077
1920	0.173
1980	0.024
2040	0.023
2100	0.024
2160	0.022
2220	0.021
2280	0.057
2340	0.058
2400	0.063
2460	0.058
2520	0.071
2580	0.136
2640	0.127
2700	0.102
2760	0.048
2820	0.027
2880	0.024
2940	0.025
3000	0.049
3060	0.036
3120	0.025
3180	0.016
3240	0.021
3300	0.037
3360	0.051
3420	0.031
3480	0.038
3540	0.018
3600	0.013
3660	0.011
3720	0.011
3780	0.011
3840	0.011

3900	0.01
3960	0.026
4020	0.023
4080	0.01
4140	0.01
4200	0.01
4260	0.011
4320	0.012
4380	0.012
4440	0.01
4500	0.011
4560	0.011
4620	0.011
4680	0.01
4740	0.282
4800	0.019
4860	0.011
4920	0.01
4980	0.011
5040	0.146
5100	0.014
5160	0.008
5220	0.029
5280	0.019
5340	0.008
5400	0.008
5460	0.009
5520	0.008
5580	0.008
5640	0.007
5700	0.008
5760	0.008
5820	0.007
5880	0.006
5940	0.006
6000	0.006
6060	0.007
6120	0.007
6180	0.006
6240	0.006
6300	0.006
6360	0.006

6420	0.006
6480	0.007
6540	0.007
6600	0.006
6660	0.007
6720	0.007
6780	0.006
6840	0.005
6900	0.005
6960	0.006
7020	0.006
7080	0.007
7140	0.011
7200	0.013
7260	0.01
7320	0.008
7380	0.007
7440	0.006
7500	0.007
7560	0.006
7620	0.006
7680	0.006
7740	0.007
7800	0.007
7860	0.006
7920	0.006
7980	0.005
8040	0.005
8100	0.005
8160	0.004
8220	0.005
8280	0.005
8340	0.005
8400	0.005
8460	0.006
8520	0.005
8580	0.005
8640	0.005
8700	0.005
8760	0.005
8820	0.005
8880	0.004

8940	0.004
9000	0.004
9060	0.004
9120	0.005
9180	0.004
9240	0.004
9300	0.006
9360	0.006
9420	0.005
9480	0.004
9540	0.005
9600	0.004
9660	0.004
9720	0.006
9780	0.004
9840	0.003
9900	0.003
9960	0.003
10020	0.003
10080	0.003
10140	0.004
10200	0.003
10260	0.003
10320	0.004
10380	0.004
10440	0.004
10500	0.003
10560	0.003
10620	0.003
10680	0.003
10740	0.003
10800	0.004
10860	0.004
10920	0.003
10980	0.002
11040	0.002
11100	0.001
11160	0.001
11220	0.001
11280	0.001
11340	0.003
11400	0.001

11460	0.001
11520	0.001
11580	0.001
11640	0.001
11700	0
11760	0.001
11820	0.001
11880	0.001
11940	0.002
12000	0.002
12060	0.001
12120	0.002
12180	0.002
12240	0.002
12300	0.001
12360	0.001
12420	0.001
12480	0.001
12540	0.001
12600	0.001
12660	0.001
12720	0.001
12780	0.001
12840	0.001
12900	0.002
12960	0.003
13020	0.003
13080	0.002
13140	0.002
13200	0.002
13260	0.002
13320	0.003
13380	0.002
13440	0.003
13500	0.003
13560	0.003
13620	0.003
13680	0.003
13740	0.003
13800	0.003
13860	0.003
13920	0.003

13980	0.003
14040	0.004
14100	0.003
14160	0.004
14220	0.003
14280	0.003
14340	0.003
14400	0.004
14460	0.002
14520	0.003
14580	0.003
14640	0.003
14700	0.004
14760	0.003
14820	0.005
14880	0.004
14940	0.003
15000	0.003
15060	0.003
15120	0.003
15180	0.003
15240	0.003
15300	0.003
15360	0.003
15420	0.003
15480	0.003
15540	0.003
15600	0.003
15660	0.004
15720	0.004
15780	0.003
15840	0.003
15900	0.003
15960	0.002
16020	0.003
16080	0.003
16140	0.003
16200	0.005
16260	0.003
16320	0.003
16380	0.003
16440	0.003

16500	0.003
16560	0.003
16620	0.004
16680	0.004
16740	0.003
16800	0.003
16860	0.003
16920	0.004
16980	0.003
17040	0.003
17100	0.003
17160	0.003
17220	0.003
17280	0.001
17340	0.001
17400	0.001
17460	0.001
17520	0.002
17580	0.002
17640	0.002
17700	0.003
17760	0.004
17820	0.002
17880	0.002
17940	0.003
18000	0.004
18060	0.004
18120	0.004
18180	0.004
18240	0.007
18300	0.002
18360	0.003
18420	0.004
18480	0.004
18540	0.004
18600	0.004
18660	0.004
18720	0.004
18780	0.004
18840	0.006
18900	0.003
18960	0.005

19020	0.006
19080	0.005
19140	0.014
19200	0.005
19260	0.006
19320	0.004
19380	0.002
19440	0.004
19500	0.002
19560	0.002
19620	0.002
19680	0.003
19740	0.004
19800	0.003
19860	0.004
19920	0.002
19980	0.003
20040	0.003
20100	0.003
20160	0.002
20220	0.002
20280	0.001
20340	0.001
20400	0.001
20460	0.001
20520	0.001
20580	0.001
20640	0.001
20700	0.001
20760	0.001
20820	0.002
20880	0.001
20940	0.001
21000	0.001
21060	0.001
21120	0.001
21180	0
21240	0.001
21300	0.002
21360	0.001
21420	0
21480	0.001

21540	0.002
21600	0.001
21660	0.001
21720	0.001
21780	0.001
21840	0.001
21900	0.001
21960	0.001
22020	0.002
22080	0.001
22140	0.001
22200	0.001
22260	0.001
22320	0.002
22380	0.013
22440	0.005
22500	0.016
22560	0.04
22620	0.057
22680	0.036
22740	0.013
22800	0.016
22860	0.025
22920	0.104
22980	0.006
23040	0.021
23100	0.078
23160	0.041
23220	0.012
23280	0.009
23340	0.022
23400	0.001
23460	0
23520	0.044
23580	0.072
23640	0.053
23700	0.107
23760	0.033
23820	0.031
23880	0.018
23940	0.014
24000	0.005

24060	0.065
24120	0.034
24180	0.016
24240	0.024
24300	0.107
24360	0.01
24420	0.087
24480	0.052
24540	0.062
24600	0.035
24660	0.043
24720	0.016
24780	0.017
24840	0

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530102711
Firmware Version	3.7
Calibration Date	7/14/17
Test Name	MANUAL_002
Test Start Time	8:28:06 AM
Test Start Date	5/24/18
Test Length [D:H:M]	0:05:25
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0
Mass Minimum [mg/m3]	-0.012
Mass Maximum [mg/m3]	0.376
Mass TWA [mg/m3]	0
Photometric User Cal	1.13
Flow User Cal	0
Errors	
Number of Samples	325

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.021		
120	0.021		
180	0.02		
240	0.021		
300	0.028		
360	0.028		
420	0.02		
480	0.017		
540	0.017		
600	0.019		
660	0.018		
720	0.019		
780	0.018		
840	0.018		
900	0.02		
960	0.017		
1020	0.014		
1080	0.014		
1140	0.014		
1200	0.013		
1260	0.013		
1320	0.012		

1380	0.011
1440	0.011
1500	0.01
1560	0.008
1620	0.008
1680	0.008
1740	0.008
1800	0.008
1860	0.008
1920	0.007
1980	0.007
2040	0.007
2100	0.006
2160	0.004
2220	0.006
2280	0.008
2340	0.042
2400	0.004
2460	0.007
2520	0.059
2580	0.011
2640	0.003
2700	0.006
2760	0.005
2820	0.008
2880	0.002
2940	0.001
3000	0
3060	0
3120	0
3180	0
3240	0
3300	0
3360	0
3420	0.005
3480	0.004
3540	0
3600	0
3660	0
3720	0.01
3780	0
3840	0.002

3900	0.005
3960	0.001
4020	-0.001
4080	-0.001
4140	-0.001
4200	-0.001
4260	-0.001
4320	-0.001
4380	0
4440	0.009
4500	-0.002
4560	-0.002
4620	-0.002
4680	-0.002
4740	-0.002
4800	-0.003
4860	-0.003
4920	-0.003
4980	-0.003
5040	-0.003
5100	-0.004
5160	-0.004
5220	-0.004
5280	-0.004
5340	-0.004
5400	-0.004
5460	-0.005
5520	-0.005
5580	-0.005
5640	-0.005
5700	-0.005
5760	-0.006
5820	-0.005
5880	-0.005
5940	-0.005
6000	-0.005
6060	-0.005
6120	-0.004
6180	-0.005
6240	-0.004
6300	-0.005
6360	-0.006

6420	-0.005
6480	-0.005
6540	-0.004
6600	-0.005
6660	-0.005
6720	-0.006
6780	-0.006
6840	-0.006
6900	-0.004
6960	-0.005
7020	-0.006
7080	-0.006
7140	-0.007
7200	-0.007
7260	-0.007
7320	-0.006
7380	-0.007
7440	-0.007
7500	-0.007
7560	-0.007
7620	-0.006
7680	-0.007
7740	-0.007
7800	-0.006
7860	-0.007
7920	-0.007
7980	-0.006
8040	-0.007
8100	-0.007
8160	-0.007
8220	-0.007
8280	-0.007
8340	-0.007
8400	-0.007
8460	-0.007
8520	-0.007
8580	-0.007
8640	-0.007
8700	-0.007
8760	-0.007
8820	-0.007
8880	-0.007

8940	-0.007
9000	-0.007
9060	-0.007
9120	-0.007
9180	-0.007
9240	-0.007
9300	-0.006
9360	-0.006
9420	-0.007
9480	-0.006
9540	-0.007
9600	-0.006
9660	-0.006
9720	0.053
9780	-0.004
9840	-0.007
9900	-0.007
9960	-0.002
10020	-0.006
10080	-0.006
10140	-0.004
10200	-0.006
10260	0.017
10320	-0.005
10380	-0.007
10440	-0.006
10500	-0.007
10560	-0.007
10620	-0.006
10680	0.025
10740	0.009
10800	-0.006
10860	-0.002
10920	0
10980	0.006
11040	0.002
11100	-0.006
11160	-0.007
11220	-0.007
11280	-0.007
11340	0.003
11400	-0.006

11460	-0.006
11520	-0.007
11580	-0.003
11640	-0.007
11700	-0.007
11760	-0.007
11820	-0.007
11880	-0.007
11940	-0.007
12000	-0.007
12060	-0.008
12120	-0.007
12180	-0.007
12240	-0.007
12300	-0.007
12360	-0.007
12420	0.077
12480	-0.005
12540	-0.006
12600	-0.006
12660	-0.007
12720	-0.007
12780	-0.006
12840	-0.006
12900	-0.006
12960	-0.006
13020	-0.006
13080	-0.006
13140	-0.006
13200	-0.007
13260	-0.007
13320	-0.007
13380	-0.006
13440	-0.007
13500	-0.006
13560	-0.006
13620	-0.007
13680	-0.007
13740	-0.006
13800	-0.005
13860	-0.006
13920	-0.006

13980	-0.006
14040	-0.007
14100	-0.007
14160	-0.007
14220	-0.006
14280	-0.006
14340	-0.006
14400	-0.006
14460	-0.006
14520	-0.006
14580	-0.006
14640	-0.006
14700	-0.006
14760	-0.006
14820	-0.006
14880	-0.006
14940	-0.006
15000	-0.006
15060	-0.006
15120	-0.006
15180	-0.006
15240	-0.006
15300	0.001
15360	0.012
15420	0.025
15480	-0.005
15540	-0.003
15600	-0.005
15660	-0.006
15720	-0.006
15780	0
15840	-0.004
15900	-0.006
15960	-0.006
16020	-0.005
16080	-0.004
16140	-0.007
16200	-0.007
16260	-0.007
16320	-0.008
16380	-0.006
16440	-0.008

16500	0
16560	-0.006
16620	-0.008
16680	-0.006
16740	-0.008
16800	-0.008
16860	0.005
16920	-0.008
16980	-0.008
17040	-0.008
17100	-0.007
17160	-0.009
17220	-0.007
17280	-0.005
17340	-0.006
17400	-0.009
17460	-0.009
17520	-0.01
17580	-0.007
17640	0
17700	0.004
17760	-0.006
17820	-0.007
17880	-0.008
17940	-0.01
18000	-0.01
18060	-0.006
18120	-0.01
18180	-0.004
18240	-0.008
18300	-0.001
18360	-0.011
18420	-0.011
18480	0.022
18540	0.376
18600	0.005
18660	-0.009
18720	-0.011
18780	-0.001
18840	0.057
18900	-0.007
18960	0.005

19020	0.014
19080	-0.007
19140	-0.012
19200	-0.01
19260	-0.011
19320	-0.008
19380	-0.011
19440	-0.012
19500	-0.012

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530102711
Firmware Version	3.7
Calibration Date	7/14/17
Test Name	MANUAL_003
Test Start Time	7:08:28 AM
Test Start Date	5/25/18
Test Length [D:H:M]	0:06:24
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.013
Mass Minimum [mg/m3]	0.001
Mass Maximum [mg/m3]	0.056
Mass TWA [mg/m3]	0.011
Photometric User Cal	1.13
Flow User Cal	0
Errors	
Number of Samples	384

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.037		
120	0.035		
180	0.035		
240	0.035		
300	0.035		
360	0.035		
420	0.033		
480	0.041		
540	0.035		
600	0.034		
660	0.034		
720	0.033		
780	0.033		
840	0.036		
900	0.034		
960	0.035		
1020	0.033		
1080	0.032		
1140	0.033		
1200	0.033		
1260	0.034		
1320	0.033		

1380	0.032
1440	0.033
1500	0.034
1560	0.037
1620	0.038
1680	0.037
1740	0.05
1800	0.033
1860	0.035
1920	0.034
1980	0.031
2040	0.031
2100	0.032
2160	0.031
2220	0.033
2280	0.034
2340	0.031
2400	0.03
2460	0.032
2520	0.039
2580	0.032
2640	0.032
2700	0.034
2760	0.033
2820	0.033
2880	0.033
2940	0.034
3000	0.033
3060	0.032
3120	0.034
3180	0.034
3240	0.035
3300	0.034
3360	0.052
3420	0.034
3480	0.033
3540	0.034
3600	0.034
3660	0.033
3720	0.034
3780	0.033
3840	0.033

3900	0.036
3960	0.033
4020	0.033
4080	0.032
4140	0.032
4200	0.031
4260	0.032
4320	0.031
4380	0.032
4440	0.032
4500	0.034
4560	0.032
4620	0.032
4680	0.023
4740	0.019
4800	0.018
4860	0.018
4920	0.018
4980	0.018
5040	0.018
5100	0.018
5160	0.017
5220	0.018
5280	0.017
5340	0.017
5400	0.017
5460	0.016
5520	0.017
5580	0.018
5640	0.019
5700	0.016
5760	0.017
5820	0.017
5880	0.016
5940	0.016
6000	0.015
6060	0.017
6120	0.017
6180	0.016
6240	0.019
6300	0.018
6360	0.016

6420	0.016
6480	0.016
6540	0.015
6600	0.014
6660	0.015
6720	0.017
6780	0.015
6840	0.013
6900	0.014
6960	0.015
7020	0.013
7080	0.013
7140	0.015
7200	0.018
7260	0.019
7320	0.017
7380	0.015
7440	0.013
7500	0.013
7560	0.012
7620	0.013
7680	0.014
7740	0.017
7800	0.017
7860	0.013
7920	0.012
7980	0.014
8040	0.013
8100	0.014
8160	0.013
8220	0.011
8280	0.011
8340	0.01
8400	0.011
8460	0.011
8520	0.011
8580	0.01
8640	0.009
8700	0.009
8760	0.01
8820	0.012
8880	0.01

8940	0.01
9000	0.015
9060	0.011
9120	0.01
9180	0.01
9240	0.01
9300	0.01
9360	0.01
9420	0.009
9480	0.009
9540	0.008
9600	0.009
9660	0.009
9720	0.012
9780	0.008
9840	0.009
9900	0.009
9960	0.008
10020	0.008
10080	0.009
10140	0.008
10200	0.006
10260	0.008
10320	0.005
10380	0.006
10440	0.006
10500	0.007
10560	0.007
10620	0.007
10680	0.005
10740	0.006
10800	0.008
10860	0.008
10920	0.005
10980	0.006
11040	0.006
11100	0.005
11160	0.005
11220	0.005
11280	0.005
11340	0.005
11400	0.005

11460	0.005
11520	0.004
11580	0.005
11640	0.007
11700	0.005
11760	0.005
11820	0.015
11880	0.008
11940	0.009
12000	0.014
12060	0.007
12120	0.006
12180	0.004
12240	0.004
12300	0.005
12360	0.011
12420	0.006
12480	0.005
12540	0.007
12600	0.004
12660	0.004
12720	0.008
12780	0.01
12840	0.005
12900	0.004
12960	0.003
13020	0.004
13080	0.004
13140	0.003
13200	0.003
13260	0.003
13320	0.004
13380	0.005
13440	0.004
13500	0.003
13560	0.003
13620	0.003
13680	0.004
13740	0.004
13800	0.002
13860	0.005
13920	0.014

13980	0.005
14040	0.005
14100	0.004
14160	0.004
14220	0.004
14280	0.003
14340	0.004
14400	0.005
14460	0.005
14520	0.005
14580	0.006
14640	0.005
14700	0.005
14760	0.004
14820	0.005
14880	0.005
14940	0.005
15000	0.005
15060	0.004
15120	0.005
15180	0.004
15240	0.004
15300	0.003
15360	0.004
15420	0.003
15480	0.003
15540	0.003
15600	0.004
15660	0.004
15720	0.004
15780	0.004
15840	0.019
15900	0.009
15960	0.004
16020	0.005
16080	0.007
16140	0.008
16200	0.005
16260	0.004
16320	0.004
16380	0.003
16440	0.004

16500	0.004
16560	0.004
16620	0.004
16680	0.004
16740	0.005
16800	0.004
16860	0.004
16920	0.005
16980	0.004
17040	0.004
17100	0.005
17160	0.006
17220	0.005
17280	0.005
17340	0.004
17400	0.005
17460	0.006
17520	0.005
17580	0.004
17640	0.005
17700	0.004
17760	0.005
17820	0.005
17880	0.008
17940	0.009
18000	0.005
18060	0.008
18120	0.004
18180	0.005
18240	0.005
18300	0.005
18360	0.005
18420	0.006
18480	0.005
18540	0.004
18600	0.004
18660	0.005
18720	0.005
18780	0.005
18840	0.004
18900	0.003
18960	0.004

19020	0.003
19080	0.003
19140	0.003
19200	0.003
19260	0.003
19320	0.004
19380	0.004
19440	0.012
19500	0.005
19560	0.004
19620	0.004
19680	0.004
19740	0.003
19800	0.003
19860	0.002
19920	0.002
19980	0.002
20040	0.002
20100	0.004
20160	0.003
20220	0.003
20280	0.002
20340	0.003
20400	0.011
20460	0.007
20520	0.004
20580	0.005
20640	0.009
20700	0.008
20760	0.035
20820	0.005
20880	0.002
20940	0.056
21000	0.011
21060	0.01
21120	0.006
21180	0.007
21240	0.009
21300	0.007
21360	0.008
21420	0.006
21480	0.003

21540	0.003
21600	0.004
21660	0.004
21720	0.004
21780	0.003
21840	0.001
21900	0.003
21960	0.003
22020	0.003
22080	0.004
22140	0.006
22200	0.003
22260	0.005
22320	0.005
22380	0.004
22440	0.007
22500	0.005
22560	0.006
22620	0.007
22680	0.008
22740	0.013
22800	0.009
22860	0.027
22920	0.011
22980	0.007
23040	0.006

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18/03/08 19:19

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-923346
Unit Firmware Ver V2.16

Running Mode Hygiene Mode
Datalog Mode Auto
Diagnostic Mode No
Stop Reason Power Down

Site ID RAE00000
User ID USER0000

Begin 3/8/2018 19:19:13
End 3/8/2018 19:22:20
Sample Period(s) 60
Number of Records 3

Sensor PID(ppm)
Sensor SN S023030381V1
Measure Type Avg
Span 100.0
Span 2 1000.0
Low Alarm 50.0
High Alarm 100.0
Over Alarm 15000.0
STEL Alarm 25.0
TWA Alarm 10.0
Measurement Gas Isobutylene
Calibration Time 3/8/2018 18:42
Peak N/A
Min N/A
Average N/A

Datalog

		PID(ppm)	
Index	Date/Time	(Avg)	
001	3/8/2018 19:20:13	0.0	
002	3/8/2018 19:21:13	0.0	
003	3/8/2018 19:22:13	0.0	
Peak	0.0		
Min	0.0		
Average	0.0		

=====

18/05/02 09:13

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-923346
Unit Firmware Ver V2.16

Running Mode Hygiene Mode
Datalog Mode Manual
Diagnostic Mode No
Stop Reason Stop by User

Site ID RAE00000
User ID USER0000

Begin 5/2/2018 09:13:31
End 5/2/2018 14:20:04
Sample Period(s) 60
Number of Records 306

Sensor PID(ppm)
Sensor SN S023030381V1
Measure Type Avg
Span 100.0
Span 2 1000.0
Low Alarm 50.0
High Alarm 100.0
Over Alarm 15000.0
STEL Alarm 25.0
TWA Alarm 10.0
Measurement Gas Isobutylene
Calibration Time 5/2/2018 09:12
Peak N/A
Min N/A
Average N/A

Datalog

		PID(ppm)	
Index	Date/Time	(Avg)	
001	5/2/2018 09:14:31	0.2	
002	5/2/2018 09:15:31	0.1	
003	5/2/2018 09:16:31	0.1	
004	5/2/2018 09:17:31	0.0	
005	5/2/2018 09:18:31	0.0	
006	5/2/2018 09:19:31	0.0	
007	5/2/2018 09:20:31	0.0	
008	5/2/2018 09:21:31	0.0	
009	5/2/2018 09:22:31	0.0	

010	5/2/2018	09:23:31	0.0
011	5/2/2018	09:24:31	0.0
012	5/2/2018	09:25:31	0.0
013	5/2/2018	09:26:31	0.0
014	5/2/2018	09:27:31	0.0
015	5/2/2018	09:28:31	0.0
016	5/2/2018	09:29:31	0.0
017	5/2/2018	09:30:31	0.0
018	5/2/2018	09:31:31	0.0
019	5/2/2018	09:32:31	0.0
020	5/2/2018	09:33:31	0.0
021	5/2/2018	09:34:31	0.0
022	5/2/2018	09:35:31	0.0
023	5/2/2018	09:36:31	0.0
024	5/2/2018	09:37:31	0.0
025	5/2/2018	09:38:31	0.0
026	5/2/2018	09:39:31	0.0
027	5/2/2018	09:40:31	0.0
028	5/2/2018	09:41:31	0.0
029	5/2/2018	09:42:31	0.0
030	5/2/2018	09:43:31	0.0
031	5/2/2018	09:44:31	0.0
032	5/2/2018	09:45:31	0.0
033	5/2/2018	09:46:31	0.0
034	5/2/2018	09:47:31	0.0
035	5/2/2018	09:48:31	0.0
036	5/2/2018	09:49:31	0.0
037	5/2/2018	09:50:31	0.0
038	5/2/2018	09:51:31	0.0
039	5/2/2018	09:52:31	0.0
040	5/2/2018	09:53:31	0.0
041	5/2/2018	09:54:31	0.0
042	5/2/2018	09:55:31	0.0
043	5/2/2018	09:56:31	0.0
044	5/2/2018	09:57:31	0.0
045	5/2/2018	09:58:31	0.0
046	5/2/2018	09:59:31	0.0
047	5/2/2018	10:00:31	0.0
048	5/2/2018	10:01:31	0.0
049	5/2/2018	10:02:31	0.0
050	5/2/2018	10:03:31	0.0
051	5/2/2018	10:04:31	0.0
052	5/2/2018	10:05:31	0.0
053	5/2/2018	10:06:31	0.0
054	5/2/2018	10:07:31	0.0
055	5/2/2018	10:08:31	0.0
056	5/2/2018	10:09:31	0.0
057	5/2/2018	10:10:31	0.0
058	5/2/2018	10:11:31	0.0
059	5/2/2018	10:12:31	0.0

060	5/2/2018	10:13:31	0.0
061	5/2/2018	10:14:31	0.0
062	5/2/2018	10:15:31	0.0
063	5/2/2018	10:16:31	0.0
064	5/2/2018	10:17:31	0.0
065	5/2/2018	10:18:31	0.0
066	5/2/2018	10:19:31	0.0
067	5/2/2018	10:20:31	0.0
068	5/2/2018	10:21:31	0.0
069	5/2/2018	10:22:31	0.0
070	5/2/2018	10:23:31	0.0
071	5/2/2018	10:24:31	0.0
072	5/2/2018	10:25:31	0.0
073	5/2/2018	10:26:31	0.0
074	5/2/2018	10:27:31	0.0
075	5/2/2018	10:28:31	0.0
076	5/2/2018	10:29:31	0.0
077	5/2/2018	10:30:31	0.0
078	5/2/2018	10:31:31	0.0
079	5/2/2018	10:32:31	0.0
080	5/2/2018	10:33:31	0.0
081	5/2/2018	10:34:31	0.0
082	5/2/2018	10:35:31	0.0
083	5/2/2018	10:36:31	0.0
084	5/2/2018	10:37:31	0.0
085	5/2/2018	10:38:31	0.0
086	5/2/2018	10:39:31	0.0
087	5/2/2018	10:40:31	0.0
088	5/2/2018	10:41:31	0.0
089	5/2/2018	10:42:31	0.0
090	5/2/2018	10:43:31	0.0
091	5/2/2018	10:44:31	0.0
092	5/2/2018	10:45:31	0.0
093	5/2/2018	10:46:31	0.0
094	5/2/2018	10:47:31	0.0
095	5/2/2018	10:48:31	0.0
096	5/2/2018	10:49:31	0.0
097	5/2/2018	10:50:31	0.0
098	5/2/2018	10:51:31	0.0
099	5/2/2018	10:52:31	0.0
100	5/2/2018	10:53:31	0.0
101	5/2/2018	10:54:31	0.0
102	5/2/2018	10:55:31	0.0
103	5/2/2018	10:56:31	0.0
104	5/2/2018	10:57:31	0.0
105	5/2/2018	10:58:31	0.0
106	5/2/2018	10:59:31	0.0
107	5/2/2018	11:00:31	0.0
108	5/2/2018	11:01:31	0.0
109	5/2/2018	11:02:31	0.0

110	5/2/2018	11:03:31	0.0
111	5/2/2018	11:04:31	0.0
112	5/2/2018	11:05:31	0.0
113	5/2/2018	11:06:31	0.0
114	5/2/2018	11:07:31	0.0
115	5/2/2018	11:08:31	0.0
116	5/2/2018	11:09:31	0.0
117	5/2/2018	11:10:31	0.0
118	5/2/2018	11:11:31	0.0
119	5/2/2018	11:12:31	0.0
120	5/2/2018	11:13:31	0.0
121	5/2/2018	11:14:31	0.0
122	5/2/2018	11:15:31	0.0
123	5/2/2018	11:16:31	0.0
124	5/2/2018	11:17:31	0.0
125	5/2/2018	11:18:31	0.0
126	5/2/2018	11:19:31	0.0
127	5/2/2018	11:20:31	0.0
128	5/2/2018	11:21:31	0.0
129	5/2/2018	11:22:31	0.0
130	5/2/2018	11:23:31	0.0
131	5/2/2018	11:24:31	0.0
132	5/2/2018	11:25:31	0.0
133	5/2/2018	11:26:31	0.0
134	5/2/2018	11:27:31	0.0
135	5/2/2018	11:28:31	0.0
136	5/2/2018	11:29:31	0.0
137	5/2/2018	11:30:31	0.0
138	5/2/2018	11:31:31	0.0
139	5/2/2018	11:32:31	0.0
140	5/2/2018	11:33:31	0.0
141	5/2/2018	11:34:31	0.0
142	5/2/2018	11:35:31	0.0
143	5/2/2018	11:36:31	0.0
144	5/2/2018	11:37:31	0.0
145	5/2/2018	11:38:31	0.0
146	5/2/2018	11:39:31	0.0
147	5/2/2018	11:40:31	0.0
148	5/2/2018	11:41:31	0.0
149	5/2/2018	11:42:31	0.0
150	5/2/2018	11:43:31	0.0
151	5/2/2018	11:44:31	0.0
152	5/2/2018	11:45:31	0.0
153	5/2/2018	11:46:31	0.0
154	5/2/2018	11:47:31	0.0
155	5/2/2018	11:48:31	0.0
156	5/2/2018	11:49:31	0.0
157	5/2/2018	11:50:31	0.0
158	5/2/2018	11:51:31	0.0
159	5/2/2018	11:52:31	0.0

160	5/2/2018	11:53:31	0.0
161	5/2/2018	11:54:31	0.0
162	5/2/2018	11:55:31	0.0
163	5/2/2018	11:56:31	0.0
164	5/2/2018	11:57:31	0.0
165	5/2/2018	11:58:31	0.0
166	5/2/2018	11:59:31	0.0
167	5/2/2018	12:00:31	0.0
168	5/2/2018	12:01:31	0.0
169	5/2/2018	12:02:31	0.0
170	5/2/2018	12:03:31	0.0
171	5/2/2018	12:04:31	0.0
172	5/2/2018	12:05:31	0.0
173	5/2/2018	12:06:31	0.0
174	5/2/2018	12:07:31	0.0
175	5/2/2018	12:08:31	0.0
176	5/2/2018	12:09:31	0.0
177	5/2/2018	12:10:31	0.0
178	5/2/2018	12:11:31	0.0
179	5/2/2018	12:12:31	0.0
180	5/2/2018	12:13:31	0.0
181	5/2/2018	12:14:31	0.0
182	5/2/2018	12:15:31	0.0
183	5/2/2018	12:16:31	0.0
184	5/2/2018	12:17:31	0.0
185	5/2/2018	12:18:31	0.0
186	5/2/2018	12:19:31	0.0
187	5/2/2018	12:20:31	0.0
188	5/2/2018	12:21:31	0.0
189	5/2/2018	12:22:31	0.0
190	5/2/2018	12:23:31	0.0
191	5/2/2018	12:24:31	0.0
192	5/2/2018	12:25:31	0.0
193	5/2/2018	12:26:31	0.0
194	5/2/2018	12:27:31	0.0
195	5/2/2018	12:28:31	0.0
196	5/2/2018	12:29:31	0.0
197	5/2/2018	12:30:31	0.0
198	5/2/2018	12:31:31	0.0
199	5/2/2018	12:32:31	0.0
200	5/2/2018	12:33:31	0.0
201	5/2/2018	12:34:31	0.0
202	5/2/2018	12:35:31	0.0
203	5/2/2018	12:36:31	0.0
204	5/2/2018	12:37:31	0.0
205	5/2/2018	12:38:31	0.0
206	5/2/2018	12:39:31	0.0
207	5/2/2018	12:40:31	0.0
208	5/2/2018	12:41:31	0.0
209	5/2/2018	12:42:31	0.0

210	5/2/2018	12:43:31	0.0
211	5/2/2018	12:44:31	0.0
212	5/2/2018	12:45:31	0.0
213	5/2/2018	12:46:31	0.0
214	5/2/2018	12:47:31	0.0
215	5/2/2018	12:48:31	0.0
216	5/2/2018	12:49:31	0.0
217	5/2/2018	12:50:31	0.0
218	5/2/2018	12:51:31	0.0
219	5/2/2018	12:52:31	0.0
220	5/2/2018	12:53:31	0.0
221	5/2/2018	12:54:31	0.0
222	5/2/2018	12:55:31	0.0
223	5/2/2018	12:56:31	0.0
224	5/2/2018	12:57:31	0.0
225	5/2/2018	12:58:31	0.0
226	5/2/2018	12:59:31	0.0
227	5/2/2018	13:00:31	0.0
228	5/2/2018	13:01:31	0.0
229	5/2/2018	13:02:31	0.0
230	5/2/2018	13:03:31	0.0
231	5/2/2018	13:04:31	0.0
232	5/2/2018	13:05:31	0.0
233	5/2/2018	13:06:31	0.0
234	5/2/2018	13:07:31	0.0
235	5/2/2018	13:08:31	0.0
236	5/2/2018	13:09:31	0.0
237	5/2/2018	13:10:31	0.0
238	5/2/2018	13:11:31	0.0
239	5/2/2018	13:12:31	0.0
240	5/2/2018	13:13:31	0.0
241	5/2/2018	13:14:31	0.0
242	5/2/2018	13:15:31	0.0
243	5/2/2018	13:16:31	0.0
244	5/2/2018	13:17:31	0.0
245	5/2/2018	13:18:31	0.0
246	5/2/2018	13:19:31	0.0
247	5/2/2018	13:20:31	0.0
248	5/2/2018	13:21:31	0.0
249	5/2/2018	13:22:31	0.0
250	5/2/2018	13:23:31	0.9
251	5/2/2018	13:24:31	0.0
252	5/2/2018	13:25:31	0.0
253	5/2/2018	13:26:31	0.0
254	5/2/2018	13:27:31	0.0
255	5/2/2018	13:28:31	0.0
256	5/2/2018	13:29:31	0.0
257	5/2/2018	13:30:31	0.0
258	5/2/2018	13:31:31	0.0
259	5/2/2018	13:32:31	0.0

260	5/2/2018	13:33:31	0.0
261	5/2/2018	13:34:31	0.0
262	5/2/2018	13:35:31	0.0
263	5/2/2018	13:36:31	0.0
264	5/2/2018	13:37:31	0.0
265	5/2/2018	13:38:31	0.0
266	5/2/2018	13:39:31	0.0
267	5/2/2018	13:40:31	0.0
268	5/2/2018	13:41:31	0.0
269	5/2/2018	13:42:31	0.0
270	5/2/2018	13:43:31	0.0
271	5/2/2018	13:44:31	0.0
272	5/2/2018	13:45:31	0.0
273	5/2/2018	13:46:31	0.0
274	5/2/2018	13:47:31	0.0
275	5/2/2018	13:48:31	0.0
276	5/2/2018	13:49:31	0.0
277	5/2/2018	13:50:31	0.0
278	5/2/2018	13:51:31	0.0
279	5/2/2018	13:52:31	0.0
280	5/2/2018	13:53:31	0.0
281	5/2/2018	13:54:31	0.0
282	5/2/2018	13:55:31	0.0
283	5/2/2018	13:56:31	0.0
284	5/2/2018	13:57:31	0.0
285	5/2/2018	13:58:31	0.0
286	5/2/2018	13:59:31	0.0
287	5/2/2018	14:00:31	0.0
288	5/2/2018	14:01:31	0.0
289	5/2/2018	14:02:31	0.0
290	5/2/2018	14:03:31	0.0
291	5/2/2018	14:04:31	0.0
292	5/2/2018	14:05:31	0.0
293	5/2/2018	14:06:31	0.0
294	5/2/2018	14:07:31	0.0
295	5/2/2018	14:08:31	0.0
296	5/2/2018	14:09:31	0.0
297	5/2/2018	14:10:31	0.0
298	5/2/2018	14:11:31	0.0
299	5/2/2018	14:12:31	0.0
300	5/2/2018	14:13:31	0.0
301	5/2/2018	14:14:31	0.0
302	5/2/2018	14:15:31	0.0
303	5/2/2018	14:16:31	0.0
304	5/2/2018	14:17:31	0.0
305	5/2/2018	14:18:31	0.0
306	5/2/2018	14:19:31	0.0
Peak		0.9	
Min		0.0	
Average		0.0	

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18/05/03 07:30

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-923346
Unit Firmware Ver V2.16

Running Mode Hygiene Mode
Datalog Mode Manual
Diagnostic Mode No
Stop Reason Stop by User

Site ID RAE00000
User ID USER0000

Begin 5/3/2018 07:30:18
End 5/3/2018 15:17:17
Sample Period(s) 60
Number of Records 466

Sensor PID(ppm)
Sensor SN S023030381V1
Measure Type Avg
Span 100.0
Span 2 1000.0
Low Alarm 50.0
High Alarm 100.0
Over Alarm 15000.0
STEL Alarm 25.0
TWA Alarm 10.0
Measurement Gas Isobutylene
Calibration Time 5/3/2018 07:28
Peak N/A
Min N/A
Average N/A

Datalog

		PID(ppm)
Index	Date/Time	(Avg)
001	5/3/2018 07:31:18	0.0
002	5/3/2018 07:32:18	0.0
003	5/3/2018 07:33:18	0.0
004	5/3/2018 07:34:18	0.0
005	5/3/2018 07:35:18	0.0
006	5/3/2018 07:36:18	0.0
007	5/3/2018 07:37:18	0.0

008	5/3/2018	07:38:18	0.0
009	5/3/2018	07:39:18	0.0
010	5/3/2018	07:40:18	0.0
011	5/3/2018	07:41:18	3.2
012	5/3/2018	07:42:18	6.6
013	5/3/2018	07:43:18	2.3
014	5/3/2018	07:44:18	6.3
015	5/3/2018	07:45:18	9.4
016	5/3/2018	07:46:18	1.0
017	5/3/2018	07:47:18	2.5
018	5/3/2018	07:48:18	1.3
019	5/3/2018	07:49:18	3.6
020	5/3/2018	07:50:18	2.5
021	5/3/2018	07:51:18	0.5
022	5/3/2018	07:52:18	0.7
023	5/3/2018	07:53:18	0.2
024	5/3/2018	07:54:18	0.5
025	5/3/2018	07:55:18	0.6
026	5/3/2018	07:56:18	0.8
027	5/3/2018	07:57:18	0.7
028	5/3/2018	07:58:18	0.0
029	5/3/2018	07:59:18	0.7
030	5/3/2018	08:00:18	0.8
031	5/3/2018	08:01:18	0.1
032	5/3/2018	08:02:18	0.0
033	5/3/2018	08:03:18	0.1
034	5/3/2018	08:04:18	0.0
035	5/3/2018	08:05:18	0.0
036	5/3/2018	08:06:18	0.0
037	5/3/2018	08:07:18	0.2
038	5/3/2018	08:08:18	0.5
039	5/3/2018	08:09:18	0.1
040	5/3/2018	08:10:18	0.1
041	5/3/2018	08:11:18	0.0
042	5/3/2018	08:12:18	0.7
043	5/3/2018	08:13:18	0.9
044	5/3/2018	08:14:18	1.3
045	5/3/2018	08:15:18	0.6
046	5/3/2018	08:16:18	0.8
047	5/3/2018	08:17:18	0.3
048	5/3/2018	08:18:18	0.5
049	5/3/2018	08:19:18	0.2
050	5/3/2018	08:20:18	1.2
051	5/3/2018	08:21:18	1.2
052	5/3/2018	08:22:18	0.4
053	5/3/2018	08:23:18	0.7
054	5/3/2018	08:24:18	0.7
055	5/3/2018	08:25:18	0.5
056	5/3/2018	08:26:18	0.1
057	5/3/2018	08:27:18	1.0

058	5/3/2018	08:28:18	1.2
059	5/3/2018	08:29:18	0.3
060	5/3/2018	08:30:18	1.1
061	5/3/2018	08:31:18	0.2
062	5/3/2018	08:32:18	0.2
063	5/3/2018	08:33:18	0.1
064	5/3/2018	08:34:18	0.3
065	5/3/2018	08:35:18	0.3
066	5/3/2018	08:36:18	0.3
067	5/3/2018	08:37:18	0.6
068	5/3/2018	08:38:18	0.2
069	5/3/2018	08:39:18	0.2
070	5/3/2018	08:40:18	0.1
071	5/3/2018	08:41:18	0.8
072	5/3/2018	08:42:18	0.5
073	5/3/2018	08:43:18	0.7
074	5/3/2018	08:44:18	0.4
075	5/3/2018	08:45:18	0.9
076	5/3/2018	08:46:18	0.5
077	5/3/2018	08:47:18	0.3
078	5/3/2018	08:48:18	0.3
079	5/3/2018	08:49:18	0.3
080	5/3/2018	08:50:18	0.8
081	5/3/2018	08:51:18	0.8
082	5/3/2018	08:52:18	0.2
083	5/3/2018	08:53:18	0.2
084	5/3/2018	08:54:18	0.5
085	5/3/2018	08:55:18	0.1
086	5/3/2018	08:56:18	0.2
087	5/3/2018	08:57:18	0.2
088	5/3/2018	08:58:18	0.3
089	5/3/2018	08:59:18	0.7
090	5/3/2018	09:00:18	0.5
091	5/3/2018	09:01:18	0.2
092	5/3/2018	09:02:18	0.4
093	5/3/2018	09:03:18	0.3
094	5/3/2018	09:04:18	0.4
095	5/3/2018	09:05:18	0.3
096	5/3/2018	09:06:18	0.3
097	5/3/2018	09:07:18	0.9
098	5/3/2018	09:08:18	1.2
099	5/3/2018	09:09:18	0.9
100	5/3/2018	09:10:18	0.4
101	5/3/2018	09:11:18	0.2
102	5/3/2018	09:12:18	0.2
103	5/3/2018	09:13:18	0.6
104	5/3/2018	09:14:18	1.2
105	5/3/2018	09:15:18	1.9
106	5/3/2018	09:16:18	2.0
107	5/3/2018	09:17:18	0.8

108	5/3/2018	09:18:18	0.4
109	5/3/2018	09:19:18	0.2
110	5/3/2018	09:20:18	0.5
111	5/3/2018	09:21:18	1.9
112	5/3/2018	09:22:18	1.9
113	5/3/2018	09:23:18	1.0
114	5/3/2018	09:24:18	1.6
115	5/3/2018	09:25:18	1.4
116	5/3/2018	09:26:18	0.5
117	5/3/2018	09:27:18	0.7
118	5/3/2018	09:28:18	0.6
119	5/3/2018	09:29:18	0.5
120	5/3/2018	09:30:18	0.4
121	5/3/2018	09:31:18	0.4
122	5/3/2018	09:32:18	0.5
123	5/3/2018	09:33:18	0.5
124	5/3/2018	09:34:18	1.1
125	5/3/2018	09:35:18	1.1
126	5/3/2018	09:36:18	0.3
127	5/3/2018	09:37:18	1.1
128	5/3/2018	09:38:18	0.9
129	5/3/2018	09:39:18	0.6
130	5/3/2018	09:40:18	1.1
131	5/3/2018	09:41:18	0.4
132	5/3/2018	09:42:18	1.5
133	5/3/2018	09:43:18	0.8
134	5/3/2018	09:44:18	0.5
135	5/3/2018	09:45:18	0.2
136	5/3/2018	09:46:18	0.9
137	5/3/2018	09:47:18	0.3
138	5/3/2018	09:48:18	0.5
139	5/3/2018	09:49:18	0.6
140	5/3/2018	09:50:18	0.6
141	5/3/2018	09:51:18	0.7
142	5/3/2018	09:52:18	1.2
143	5/3/2018	09:53:18	0.3
144	5/3/2018	09:54:18	1.4
145	5/3/2018	09:55:18	0.8
146	5/3/2018	09:56:18	0.7
147	5/3/2018	09:57:18	2.2
148	5/3/2018	09:58:18	1.0
149	5/3/2018	09:59:18	0.6
150	5/3/2018	10:00:18	0.4
151	5/3/2018	10:01:18	0.4
152	5/3/2018	10:02:18	0.8
153	5/3/2018	10:03:18	0.3
154	5/3/2018	10:04:18	0.8
155	5/3/2018	10:05:18	1.0
156	5/3/2018	10:06:18	0.5
157	5/3/2018	10:07:18	0.2

158	5/3/2018	10:08:18	0.3
159	5/3/2018	10:09:18	0.1
160	5/3/2018	10:10:18	0.8
161	5/3/2018	10:11:18	0.8
162	5/3/2018	10:12:18	0.7
163	5/3/2018	10:13:18	0.6
164	5/3/2018	10:14:18	1.1
165	5/3/2018	10:15:18	1.4
166	5/3/2018	10:16:18	0.8
167	5/3/2018	10:17:18	0.5
168	5/3/2018	10:18:18	0.5
169	5/3/2018	10:19:18	0.6
170	5/3/2018	10:20:18	0.6
171	5/3/2018	10:21:18	0.2
172	5/3/2018	10:22:18	0.2
173	5/3/2018	10:23:18	0.8
174	5/3/2018	10:24:18	0.7
175	5/3/2018	10:25:18	0.3
176	5/3/2018	10:26:18	1.0
177	5/3/2018	10:27:18	1.3
178	5/3/2018	10:28:18	1.0
179	5/3/2018	10:29:18	0.6
180	5/3/2018	10:30:18	0.5
181	5/3/2018	10:31:18	1.7
182	5/3/2018	10:32:18	0.7
183	5/3/2018	10:33:18	1.0
184	5/3/2018	10:34:18	0.9
185	5/3/2018	10:35:18	0.5
186	5/3/2018	10:36:18	0.7
187	5/3/2018	10:37:18	1.4
188	5/3/2018	10:38:18	1.1
189	5/3/2018	10:39:18	1.0
190	5/3/2018	10:40:18	0.6
191	5/3/2018	10:41:18	0.3
192	5/3/2018	10:42:18	0.7
193	5/3/2018	10:43:18	0.5
194	5/3/2018	10:44:18	0.8
195	5/3/2018	10:45:18	0.5
196	5/3/2018	10:46:18	0.5
197	5/3/2018	10:47:18	0.6
198	5/3/2018	10:48:18	0.2
199	5/3/2018	10:49:18	0.1
200	5/3/2018	10:50:18	0.5
201	5/3/2018	10:51:18	0.8
202	5/3/2018	10:52:18	0.5
203	5/3/2018	10:53:18	0.2
204	5/3/2018	10:54:18	0.5
205	5/3/2018	10:55:18	0.4
206	5/3/2018	10:56:18	0.5
207	5/3/2018	10:57:18	0.9

208	5/3/2018	10:58:18	0.7
209	5/3/2018	10:59:18	0.4
210	5/3/2018	11:00:18	0.3
211	5/3/2018	11:01:18	0.1
212	5/3/2018	11:02:18	0.5
213	5/3/2018	11:03:18	0.4
214	5/3/2018	11:04:18	0.5
215	5/3/2018	11:05:18	0.4
216	5/3/2018	11:06:18	0.9
217	5/3/2018	11:07:18	1.6
218	5/3/2018	11:08:18	0.7
219	5/3/2018	11:09:18	0.5
220	5/3/2018	11:10:18	0.6
221	5/3/2018	11:11:18	0.8
222	5/3/2018	11:12:18	0.6
223	5/3/2018	11:13:18	0.5
224	5/3/2018	11:14:18	0.2
225	5/3/2018	11:15:18	0.2
226	5/3/2018	11:16:18	0.6
227	5/3/2018	11:17:18	0.8
228	5/3/2018	11:18:18	0.5
229	5/3/2018	11:19:18	0.8
230	5/3/2018	11:20:18	0.6
231	5/3/2018	11:21:18	1.1
232	5/3/2018	11:22:18	0.7
233	5/3/2018	11:23:18	2.5
234	5/3/2018	11:24:18	1.7
235	5/3/2018	11:25:18	0.5
236	5/3/2018	11:26:18	1.6
237	5/3/2018	11:27:18	0.7
238	5/3/2018	11:28:18	1.6
239	5/3/2018	11:29:18	3.6
240	5/3/2018	11:30:18	3.3
241	5/3/2018	11:31:18	2.7
242	5/3/2018	11:32:18	4.7
243	5/3/2018	11:33:18	3.4
244	5/3/2018	11:34:18	2.9
245	5/3/2018	11:35:18	6.0
246	5/3/2018	11:36:18	3.3
247	5/3/2018	11:37:18	2.2
248	5/3/2018	11:38:18	5.0
249	5/3/2018	11:39:18	4.8
250	5/3/2018	11:40:18	1.4
251	5/3/2018	11:41:18	1.3
252	5/3/2018	11:42:18	5.0
253	5/3/2018	11:43:18	1.7
254	5/3/2018	11:44:18	1.7
255	5/3/2018	11:45:18	1.4
256	5/3/2018	11:46:18	1.1
257	5/3/2018	11:47:18	0.8

258	5/3/2018	11:48:18	0.5
259	5/3/2018	11:49:18	0.8
260	5/3/2018	11:50:18	0.6
261	5/3/2018	11:51:18	0.7
262	5/3/2018	11:52:18	0.5
263	5/3/2018	11:53:18	0.4
264	5/3/2018	11:54:18	0.3
265	5/3/2018	11:55:18	0.4
266	5/3/2018	11:56:18	0.4
267	5/3/2018	11:57:18	0.4
268	5/3/2018	11:58:18	0.2
269	5/3/2018	11:59:18	0.1
270	5/3/2018	12:00:18	0.1
271	5/3/2018	12:01:18	0.2
272	5/3/2018	12:02:18	0.1
273	5/3/2018	12:03:18	0.3
274	5/3/2018	12:04:18	0.2
275	5/3/2018	12:05:18	0.2
276	5/3/2018	12:06:18	0.4
277	5/3/2018	12:07:18	0.4
278	5/3/2018	12:08:18	0.2
279	5/3/2018	12:09:18	0.1
280	5/3/2018	12:10:18	0.1
281	5/3/2018	12:11:18	0.1
282	5/3/2018	12:12:18	0.1
283	5/3/2018	12:13:18	0.1
284	5/3/2018	12:14:18	0.1
285	5/3/2018	12:15:18	0.1
286	5/3/2018	12:16:18	0.0
287	5/3/2018	12:17:18	0.0
288	5/3/2018	12:18:18	0.0
289	5/3/2018	12:19:18	0.0
290	5/3/2018	12:20:18	0.0
291	5/3/2018	12:21:18	0.0
292	5/3/2018	12:22:18	0.0
293	5/3/2018	12:23:18	0.1
294	5/3/2018	12:24:18	0.1
295	5/3/2018	12:25:18	0.1
296	5/3/2018	12:26:18	0.2
297	5/3/2018	12:27:18	0.1
298	5/3/2018	12:28:18	0.1
299	5/3/2018	12:29:18	0.0
300	5/3/2018	12:30:18	0.0
301	5/3/2018	12:31:18	0.0
302	5/3/2018	12:32:18	0.0
303	5/3/2018	12:33:18	0.0
304	5/3/2018	12:34:18	0.0
305	5/3/2018	12:35:18	0.0
306	5/3/2018	12:36:18	0.0
307	5/3/2018	12:37:18	0.1

308	5/3/2018	12:38:18	0.1
309	5/3/2018	12:39:18	0.0
310	5/3/2018	12:40:18	0.0
311	5/3/2018	12:41:18	0.0
312	5/3/2018	12:42:18	0.1
313	5/3/2018	12:43:18	0.0
314	5/3/2018	12:44:18	0.0
315	5/3/2018	12:45:18	0.0
316	5/3/2018	12:46:18	0.0
317	5/3/2018	12:47:18	0.1
318	5/3/2018	12:48:18	0.1
319	5/3/2018	12:49:18	0.1
320	5/3/2018	12:50:18	0.1
321	5/3/2018	12:51:18	0.0
322	5/3/2018	12:52:18	0.0
323	5/3/2018	12:53:18	0.0
324	5/3/2018	12:54:18	0.0
325	5/3/2018	12:55:18	0.0
326	5/3/2018	12:56:18	0.0
327	5/3/2018	12:57:18	0.0
328	5/3/2018	12:58:18	0.0
329	5/3/2018	12:59:18	0.1
330	5/3/2018	13:00:18	0.1
331	5/3/2018	13:01:18	0.1
332	5/3/2018	13:02:18	0.0
333	5/3/2018	13:03:18	0.1
334	5/3/2018	13:04:18	0.0
335	5/3/2018	13:05:18	0.0
336	5/3/2018	13:06:18	0.0
337	5/3/2018	13:07:18	0.0
338	5/3/2018	13:08:18	0.1
339	5/3/2018	13:09:18	0.1
340	5/3/2018	13:10:18	0.1
341	5/3/2018	13:11:18	0.0
342	5/3/2018	13:12:18	0.0
343	5/3/2018	13:13:18	0.1
344	5/3/2018	13:14:18	0.2
345	5/3/2018	13:15:18	0.1
346	5/3/2018	13:16:18	0.0
347	5/3/2018	13:17:18	0.2
348	5/3/2018	13:18:18	0.1
349	5/3/2018	13:19:18	0.1
350	5/3/2018	13:20:18	0.0
351	5/3/2018	13:21:18	0.1
352	5/3/2018	13:22:18	0.1
353	5/3/2018	13:23:18	0.1
354	5/3/2018	13:24:18	0.1
355	5/3/2018	13:25:18	0.0
356	5/3/2018	13:26:18	0.0
357	5/3/2018	13:27:18	0.1

358	5/3/2018	13:28:18	0.1
359	5/3/2018	13:29:18	0.1
360	5/3/2018	13:30:18	0.2
361	5/3/2018	13:31:18	0.2
362	5/3/2018	13:32:18	0.3
363	5/3/2018	13:33:18	0.2
364	5/3/2018	13:34:18	0.0
365	5/3/2018	13:35:18	0.0
366	5/3/2018	13:36:18	0.0
367	5/3/2018	13:37:18	0.0
368	5/3/2018	13:38:18	0.0
369	5/3/2018	13:39:18	0.0
370	5/3/2018	13:40:18	0.0
371	5/3/2018	13:41:18	0.0
372	5/3/2018	13:42:18	0.0
373	5/3/2018	13:43:18	0.0
374	5/3/2018	13:44:18	0.0
375	5/3/2018	13:45:18	0.0
376	5/3/2018	13:46:18	0.0
377	5/3/2018	13:47:18	0.0
378	5/3/2018	13:48:18	0.0
379	5/3/2018	13:49:18	0.0
380	5/3/2018	13:50:18	0.0
381	5/3/2018	13:51:18	0.0
382	5/3/2018	13:52:18	0.0
383	5/3/2018	13:53:18	0.0
384	5/3/2018	13:54:18	0.0
385	5/3/2018	13:55:18	0.1
386	5/3/2018	13:56:18	0.0
387	5/3/2018	13:57:18	0.0
388	5/3/2018	13:58:18	0.1
389	5/3/2018	13:59:18	0.1
390	5/3/2018	14:00:18	0.0
391	5/3/2018	14:01:18	0.0
392	5/3/2018	14:02:18	0.0
393	5/3/2018	14:03:18	0.0
394	5/3/2018	14:04:18	0.0
395	5/3/2018	14:05:18	0.0
396	5/3/2018	14:06:18	0.1
397	5/3/2018	14:07:18	0.1
398	5/3/2018	14:08:18	0.1
399	5/3/2018	14:09:18	0.1
400	5/3/2018	14:10:18	0.0
401	5/3/2018	14:11:18	0.1
402	5/3/2018	14:12:18	0.1
403	5/3/2018	14:13:18	0.0
404	5/3/2018	14:14:18	0.0
405	5/3/2018	14:15:18	0.0
406	5/3/2018	14:16:18	0.0
407	5/3/2018	14:17:18	0.1

408	5/3/2018	14:18:18	0.0
409	5/3/2018	14:19:18	0.0
410	5/3/2018	14:20:18	0.0
411	5/3/2018	14:21:18	0.1
412	5/3/2018	14:22:18	0.0
413	5/3/2018	14:23:18	0.0
414	5/3/2018	14:24:18	0.1
415	5/3/2018	14:25:18	0.0
416	5/3/2018	14:26:18	0.1
417	5/3/2018	14:27:18	0.2
418	5/3/2018	14:28:18	0.4
419	5/3/2018	14:29:18	0.2
420	5/3/2018	14:30:18	0.2
421	5/3/2018	14:31:18	0.1
422	5/3/2018	14:32:18	0.0
423	5/3/2018	14:33:18	0.1
424	5/3/2018	14:34:18	0.4
425	5/3/2018	14:35:18	0.3
426	5/3/2018	14:36:18	0.0
427	5/3/2018	14:37:18	0.1
428	5/3/2018	14:38:18	0.2
429	5/3/2018	14:39:18	0.1
430	5/3/2018	14:40:18	0.2
431	5/3/2018	14:41:18	0.2
432	5/3/2018	14:42:18	0.2
433	5/3/2018	14:43:18	0.2
434	5/3/2018	14:44:18	0.4
435	5/3/2018	14:45:18	0.3
436	5/3/2018	14:46:18	0.2
437	5/3/2018	14:47:18	0.3
438	5/3/2018	14:48:18	0.3
439	5/3/2018	14:49:18	0.2
440	5/3/2018	14:50:18	0.3
441	5/3/2018	14:51:18	0.2
442	5/3/2018	14:52:18	0.4
443	5/3/2018	14:53:18	0.3
444	5/3/2018	14:54:18	0.3
445	5/3/2018	14:55:18	0.2
446	5/3/2018	14:56:18	0.1
447	5/3/2018	14:57:18	0.1
448	5/3/2018	14:58:18	0.2
449	5/3/2018	14:59:18	0.5
450	5/3/2018	15:00:18	0.3
451	5/3/2018	15:01:18	0.6
452	5/3/2018	15:02:18	0.2
453	5/3/2018	15:03:18	0.1
454	5/3/2018	15:04:18	0.4
455	5/3/2018	15:05:18	0.7
456	5/3/2018	15:06:18	0.3
457	5/3/2018	15:07:18	0.2

458	5/3/2018	15:08:18	0.1
459	5/3/2018	15:09:18	0.1
460	5/3/2018	15:10:18	0.1
461	5/3/2018	15:11:18	0.1
462	5/3/2018	15:12:18	0.2
463	5/3/2018	15:13:18	0.1
464	5/3/2018	15:14:18	0.1
465	5/3/2018	15:15:18	0.1
466	5/3/2018	15:16:18	0.1
Peak	9.4		
Min	0.0		
Average	0.6		

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18/05/04 07:32

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-923346
Unit Firmware Ver	V2.16

Running Mode	Hygiene Mode
Datalog Mode	Manual
Diagnostic Mode	No
Stop Reason	Stop by User

Site ID	RAE00000
User ID	USER0000

Begin	5/4/2018 07:32:35
End	5/4/2018 12:15:51
Sample Period(s)	60
Number of Records	283

Sensor	PID(ppm)
Sensor SN	S023030381V1
Measure Type	Avg
Span	100.0
Span 2	1000.0
Low Alarm	50.0
High Alarm	100.0
Over Alarm	15000.0
STEL Alarm	25.0
TWA Alarm	10.0
Measurement Gas	Isobutylene
Calibration Time	5/4/2018 07:31
Peak	N/A
Min	N/A
Average	N/A

Datalog

Index	Date/Time	PID(ppm) (Avg)
001	5/4/2018 07:33:35	1.4
002	5/4/2018 07:34:35	1.6
003	5/4/2018 07:35:35	6.2
004	5/4/2018 07:36:35	9.3
005	5/4/2018 07:37:35	3.8
006	5/4/2018 07:38:35	1.1
007	5/4/2018 07:39:35	1.8
008	5/4/2018 07:40:35	1.5
009	5/4/2018 07:41:35	1.2
010	5/4/2018 07:42:35	1.3
011	5/4/2018 07:43:35	0.7
012	5/4/2018 07:44:35	1.0
013	5/4/2018 07:45:35	0.6
014	5/4/2018 07:46:35	0.9
015	5/4/2018 07:47:35	0.8
016	5/4/2018 07:48:35	0.6
017	5/4/2018 07:49:35	0.7
018	5/4/2018 07:50:35	0.4
019	5/4/2018 07:51:35	0.7
020	5/4/2018 07:52:35	0.6
021	5/4/2018 07:53:35	1.0
022	5/4/2018 07:54:35	0.5
023	5/4/2018 07:55:35	0.5
024	5/4/2018 07:56:35	0.7
025	5/4/2018 07:57:35	0.7
026	5/4/2018 07:58:35	0.6
027	5/4/2018 07:59:35	0.6
028	5/4/2018 08:00:35	0.6
029	5/4/2018 08:01:35	0.6
030	5/4/2018 08:02:35	0.8
031	5/4/2018 08:03:35	0.7
032	5/4/2018 08:04:35	0.8
033	5/4/2018 08:05:35	1.0
034	5/4/2018 08:06:35	0.8
035	5/4/2018 08:07:35	0.9
036	5/4/2018 08:08:35	2.1
037	5/4/2018 08:09:35	1.6
038	5/4/2018 08:10:35	1.0
039	5/4/2018 08:11:35	1.5
040	5/4/2018 08:12:35	0.7
041	5/4/2018 08:13:35	0.7
042	5/4/2018 08:14:35	0.7
043	5/4/2018 08:15:35	0.7
044	5/4/2018 08:16:35	0.9
045	5/4/2018 08:17:35	0.7

046	5/4/2018	08:18:35	0.7
047	5/4/2018	08:19:35	0.7
048	5/4/2018	08:20:35	0.6
049	5/4/2018	08:21:35	0.8
050	5/4/2018	08:22:35	0.7
051	5/4/2018	08:23:35	0.5
052	5/4/2018	08:24:35	0.6
053	5/4/2018	08:25:35	0.8
054	5/4/2018	08:26:35	0.6
055	5/4/2018	08:27:35	0.6
056	5/4/2018	08:28:35	0.6
057	5/4/2018	08:29:35	0.6
058	5/4/2018	08:30:35	0.6
059	5/4/2018	08:31:35	0.5
060	5/4/2018	08:32:35	0.5
061	5/4/2018	08:33:35	0.5
062	5/4/2018	08:34:35	0.5
063	5/4/2018	08:35:35	0.6
064	5/4/2018	08:36:35	0.5
065	5/4/2018	08:37:35	0.4
066	5/4/2018	08:38:35	0.4
067	5/4/2018	08:39:35	0.6
068	5/4/2018	08:40:35	0.5
069	5/4/2018	08:41:35	0.5
070	5/4/2018	08:42:35	0.6
071	5/4/2018	08:43:35	0.5
072	5/4/2018	08:44:35	0.5
073	5/4/2018	08:45:35	0.4
074	5/4/2018	08:46:35	0.7
075	5/4/2018	08:47:35	0.5
076	5/4/2018	08:48:35	0.6
077	5/4/2018	08:49:35	0.5
078	5/4/2018	08:50:35	0.5
079	5/4/2018	08:51:35	0.5
080	5/4/2018	08:52:35	0.4
081	5/4/2018	08:53:35	0.5
082	5/4/2018	08:54:35	0.8
083	5/4/2018	08:55:35	0.6
084	5/4/2018	08:56:35	0.6
085	5/4/2018	08:57:35	0.6
086	5/4/2018	08:58:35	0.7
087	5/4/2018	08:59:35	0.6
088	5/4/2018	09:00:35	0.7
089	5/4/2018	09:01:35	0.4
090	5/4/2018	09:02:35	5.1
091	5/4/2018	09:03:35	8.8
092	5/4/2018	09:04:35	5.2
093	5/4/2018	09:05:35	2.6
094	5/4/2018	09:06:35	1.7
095	5/4/2018	09:07:35	1.5

096	5/4/2018	09:08:35	1.3
097	5/4/2018	09:09:35	1.2
098	5/4/2018	09:10:35	1.4
099	5/4/2018	09:11:35	0.9
100	5/4/2018	09:12:35	1.0
101	5/4/2018	09:13:35	1.1
102	5/4/2018	09:14:35	0.8
103	5/4/2018	09:15:35	0.9
104	5/4/2018	09:16:35	1.0
105	5/4/2018	09:17:35	0.9
106	5/4/2018	09:18:35	0.9
107	5/4/2018	09:19:35	1.0
108	5/4/2018	09:20:35	1.0
109	5/4/2018	09:21:35	0.9
110	5/4/2018	09:22:35	1.2
111	5/4/2018	09:23:35	1.0
112	5/4/2018	09:24:35	1.7
113	5/4/2018	09:25:35	1.6
114	5/4/2018	09:26:35	1.7
115	5/4/2018	09:27:35	1.3
116	5/4/2018	09:28:35	0.8
117	5/4/2018	09:29:35	0.8
118	5/4/2018	09:30:35	0.9
119	5/4/2018	09:31:35	0.9
120	5/4/2018	09:32:35	0.9
121	5/4/2018	09:33:35	0.9
122	5/4/2018	09:34:35	1.6
123	5/4/2018	09:35:35	2.1
124	5/4/2018	09:36:35	2.0
125	5/4/2018	09:37:35	2.5
126	5/4/2018	09:38:35	2.4
127	5/4/2018	09:39:35	2.4
128	5/4/2018	09:40:35	3.9
129	5/4/2018	09:41:35	2.6
130	5/4/2018	09:42:35	3.1
131	5/4/2018	09:43:35	2.7
132	5/4/2018	09:44:35	1.5
133	5/4/2018	09:45:35	2.3
134	5/4/2018	09:46:35	1.7
135	5/4/2018	09:47:35	2.3
136	5/4/2018	09:48:35	1.7
137	5/4/2018	09:49:35	1.4
138	5/4/2018	09:50:35	1.3
139	5/4/2018	09:51:35	1.6
140	5/4/2018	09:52:35	3.7
141	5/4/2018	09:53:35	2.5
142	5/4/2018	09:54:35	1.4
143	5/4/2018	09:55:35	1.0
144	5/4/2018	09:56:35	0.8
145	5/4/2018	09:57:35	1.0

146	5/4/2018	09:58:35	0.9
147	5/4/2018	09:59:35	1.0
148	5/4/2018	10:00:35	0.9
149	5/4/2018	10:01:35	0.9
150	5/4/2018	10:02:35	0.9
151	5/4/2018	10:03:35	0.8
152	5/4/2018	10:04:35	0.8
153	5/4/2018	10:05:35	0.8
154	5/4/2018	10:06:35	0.8
155	5/4/2018	10:07:35	0.7
156	5/4/2018	10:08:35	0.7
157	5/4/2018	10:09:35	0.6
158	5/4/2018	10:10:35	0.7
159	5/4/2018	10:11:35	0.6
160	5/4/2018	10:12:35	0.6
161	5/4/2018	10:13:35	0.7
162	5/4/2018	10:14:35	0.6
163	5/4/2018	10:15:35	0.6
164	5/4/2018	10:16:35	0.6
165	5/4/2018	10:17:35	0.6
166	5/4/2018	10:18:35	0.6
167	5/4/2018	10:19:35	0.7
168	5/4/2018	10:20:35	0.7
169	5/4/2018	10:21:35	0.5
170	5/4/2018	10:22:35	1.1
171	5/4/2018	10:23:35	1.4
172	5/4/2018	10:24:35	1.4
173	5/4/2018	10:25:35	1.2
174	5/4/2018	10:26:35	0.9
175	5/4/2018	10:27:35	1.0
176	5/4/2018	10:28:35	0.9
177	5/4/2018	10:29:35	0.6
178	5/4/2018	10:30:35	0.9
179	5/4/2018	10:31:35	1.0
180	5/4/2018	10:32:35	1.6
181	5/4/2018	10:33:35	1.4
182	5/4/2018	10:34:35	1.0
183	5/4/2018	10:35:35	1.5
184	5/4/2018	10:36:35	2.5
185	5/4/2018	10:37:35	1.5
186	5/4/2018	10:38:35	1.0
187	5/4/2018	10:39:35	5.3
188	5/4/2018	10:40:35	2.9
189	5/4/2018	10:41:35	4.2
190	5/4/2018	10:42:35	2.2
191	5/4/2018	10:43:35	1.5
192	5/4/2018	10:44:35	2.0
193	5/4/2018	10:45:35	2.8
194	5/4/2018	10:46:35	3.0
195	5/4/2018	10:47:35	9.9

196	5/4/2018	10:48:35	8.2
197	5/4/2018	10:49:35	11.8
198	5/4/2018	10:50:35	8.2
199	5/4/2018	10:51:35	6.6
200	5/4/2018	10:52:35	6.1
201	5/4/2018	10:53:35	24.2
202	5/4/2018	10:54:35	18.2
203	5/4/2018	10:55:35	51.3
204	5/4/2018	10:56:35	79.7
205	5/4/2018	10:57:35	20.3
206	5/4/2018	10:58:35	13.5
207	5/4/2018	10:59:35	11.8
208	5/4/2018	11:00:35	31.3
209	5/4/2018	11:01:35	17.4
210	5/4/2018	11:02:35	9.8
211	5/4/2018	11:03:35	7.3
212	5/4/2018	11:04:35	6.1
213	5/4/2018	11:05:35	3.6
214	5/4/2018	11:06:35	3.5
215	5/4/2018	11:07:35	3.0
216	5/4/2018	11:08:35	3.0
217	5/4/2018	11:09:35	4.1
218	5/4/2018	11:10:35	3.4
219	5/4/2018	11:11:35	1.8
220	5/4/2018	11:12:35	1.4
221	5/4/2018	11:13:35	1.5
222	5/4/2018	11:14:35	1.3
223	5/4/2018	11:15:35	1.4
224	5/4/2018	11:16:35	1.9
225	5/4/2018	11:17:35	1.6
226	5/4/2018	11:18:35	1.5
227	5/4/2018	11:19:35	1.8
228	5/4/2018	11:20:35	1.3
229	5/4/2018	11:21:35	1.2
230	5/4/2018	11:22:35	1.9
231	5/4/2018	11:23:35	2.0
232	5/4/2018	11:24:35	1.5
233	5/4/2018	11:25:35	1.4
234	5/4/2018	11:26:35	1.4
235	5/4/2018	11:27:35	1.6
236	5/4/2018	11:28:35	1.4
237	5/4/2018	11:29:35	1.2
238	5/4/2018	11:30:35	1.2
239	5/4/2018	11:31:35	1.1
240	5/4/2018	11:32:35	1.1
241	5/4/2018	11:33:35	1.0
242	5/4/2018	11:34:35	1.9
243	5/4/2018	11:35:35	2.4
244	5/4/2018	11:36:35	2.3
245	5/4/2018	11:37:35	1.9

246	5/4/2018 11:38:35	1.2
247	5/4/2018 11:39:35	1.2
248	5/4/2018 11:40:35	1.3
249	5/4/2018 11:41:35	1.1
250	5/4/2018 11:42:35	1.3
251	5/4/2018 11:43:35	1.1
252	5/4/2018 11:44:35	1.0
253	5/4/2018 11:45:35	1.3
254	5/4/2018 11:46:35	1.2
255	5/4/2018 11:47:35	1.0
256	5/4/2018 11:48:35	1.3
257	5/4/2018 11:49:35	1.1
258	5/4/2018 11:50:35	1.2
259	5/4/2018 11:51:35	1.0
260	5/4/2018 11:52:35	1.0
261	5/4/2018 11:53:35	1.3
262	5/4/2018 11:54:35	1.3
263	5/4/2018 11:55:35	1.0
264	5/4/2018 11:56:35	1.3
265	5/4/2018 11:57:35	1.1
266	5/4/2018 11:58:35	0.8
267	5/4/2018 11:59:35	1.0
268	5/4/2018 12:00:35	1.0
269	5/4/2018 12:01:35	1.0
270	5/4/2018 12:02:35	0.7
271	5/4/2018 12:03:35	0.9
272	5/4/2018 12:04:35	1.2
273	5/4/2018 12:05:35	1.2
274	5/4/2018 12:06:35	1.1
275	5/4/2018 12:07:35	1.3
276	5/4/2018 12:08:35	1.4
277	5/4/2018 12:09:35	1.1
278	5/4/2018 12:10:35	1.0
279	5/4/2018 12:11:35	1.5
280	5/4/2018 12:12:35	1.4
281	5/4/2018 12:13:35	1.9
282	5/4/2018 12:14:35	2.0
283	5/4/2018 12:15:35	1.5
Peak	79.7	
Min	0.4	
Average	2.5	

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18/05/25 07:17

Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-923346

Unit Firmware Ver V2.16

Running Mode Hygiene Mode
Datalog Mode Manual
Diagnostic Mode No
Stop Reason Power Down

Site ID RAE00000
User ID USER0000

Begin 5/25/2018 07:17:29
End 5/25/2018 13:32:56
Sample Period(s) 60
Number of Records 375

Sensor PID(ppm)
Sensor SN S023030381V1
Measure Type Avg
Span 100.0
Span 2 1000.0
Low Alarm 50.0
High Alarm 100.0
Over Alarm 15000.0
STEL Alarm 25.0
TWA Alarm 10.0
Measurement Gas Isobutylene
Calibration Time 5/21/2018 09:17
Peak N/A
Min N/A
Average N/A

Datalog

	PID(ppm)
Index Date/Time	(Avg)
001 5/25/2018 07:18:29	0.0
002 5/25/2018 07:19:29	0.0
003 5/25/2018 07:20:29	0.0
004 5/25/2018 07:21:29	0.0
005 5/25/2018 07:22:29	0.0
006 5/25/2018 07:23:29	0.0
007 5/25/2018 07:24:29	0.0
008 5/25/2018 07:25:29	0.0
009 5/25/2018 07:26:29	0.0
010 5/25/2018 07:27:29	0.0
011 5/25/2018 07:28:29	0.0
012 5/25/2018 07:29:29	0.0
013 5/25/2018 07:30:29	0.0
014 5/25/2018 07:31:29	0.0
015 5/25/2018 07:32:29	0.0
016 5/25/2018 07:33:29	0.0

017	5/25/2018	07:34:29	0.0
018	5/25/2018	07:35:29	0.0
019	5/25/2018	07:36:29	0.0
020	5/25/2018	07:37:29	0.0
021	5/25/2018	07:38:29	0.0
022	5/25/2018	07:39:29	0.0
023	5/25/2018	07:40:29	0.0
024	5/25/2018	07:41:29	0.0
025	5/25/2018	07:42:29	0.0
026	5/25/2018	07:43:29	0.0
027	5/25/2018	07:44:29	0.0
028	5/25/2018	07:45:29	0.0
029	5/25/2018	07:46:29	0.0
030	5/25/2018	07:47:29	0.0
031	5/25/2018	07:48:29	0.0
032	5/25/2018	07:49:29	0.0
033	5/25/2018	07:50:29	0.0
034	5/25/2018	07:51:29	0.0
035	5/25/2018	07:52:29	0.0
036	5/25/2018	07:53:29	0.0
037	5/25/2018	07:54:29	0.0
038	5/25/2018	07:55:29	0.0
039	5/25/2018	07:56:29	0.0
040	5/25/2018	07:57:29	0.0
041	5/25/2018	07:58:29	0.0
042	5/25/2018	07:59:29	0.0
043	5/25/2018	08:00:29	0.0
044	5/25/2018	08:01:29	0.0
045	5/25/2018	08:02:29	0.0
046	5/25/2018	08:03:29	0.0
047	5/25/2018	08:04:29	0.0
048	5/25/2018	08:05:29	0.0
049	5/25/2018	08:06:29	0.0
050	5/25/2018	08:07:29	0.0
051	5/25/2018	08:08:29	0.0
052	5/25/2018	08:09:29	0.0
053	5/25/2018	08:10:29	0.0
054	5/25/2018	08:11:29	0.0
055	5/25/2018	08:12:29	0.0
056	5/25/2018	08:13:29	0.0
057	5/25/2018	08:14:29	0.0
058	5/25/2018	08:15:29	0.0
059	5/25/2018	08:16:29	0.0
060	5/25/2018	08:17:29	0.1
061	5/25/2018	08:18:29	0.0
062	5/25/2018	08:19:29	0.0
063	5/25/2018	08:20:29	0.1
064	5/25/2018	08:21:29	0.1
065	5/25/2018	08:22:29	0.0
066	5/25/2018	08:23:29	0.0

067	5/25/2018	08:24:29	0.0
068	5/25/2018	08:25:29	0.0
069	5/25/2018	08:26:29	0.0
070	5/25/2018	08:27:29	0.1
071	5/25/2018	08:28:29	0.1
072	5/25/2018	08:29:29	0.0
073	5/25/2018	08:30:29	0.0
074	5/25/2018	08:31:29	0.0
075	5/25/2018	08:32:29	0.0
076	5/25/2018	08:33:29	0.0
077	5/25/2018	08:34:29	0.0
078	5/25/2018	08:35:29	0.0
079	5/25/2018	08:36:29	0.0
080	5/25/2018	08:37:29	0.0
081	5/25/2018	08:38:29	0.0
082	5/25/2018	08:39:29	0.0
083	5/25/2018	08:40:29	0.0
084	5/25/2018	08:41:29	0.0
085	5/25/2018	08:42:29	0.0
086	5/25/2018	08:43:29	0.0
087	5/25/2018	08:44:29	0.0
088	5/25/2018	08:45:29	0.0
089	5/25/2018	08:46:29	0.0
090	5/25/2018	08:47:29	0.0
091	5/25/2018	08:48:29	0.0
092	5/25/2018	08:49:29	0.0
093	5/25/2018	08:50:29	0.0
094	5/25/2018	08:51:29	0.0
095	5/25/2018	08:52:29	0.0
096	5/25/2018	08:53:29	0.0
097	5/25/2018	08:54:29	0.0
098	5/25/2018	08:55:29	0.0
099	5/25/2018	08:56:29	0.0
100	5/25/2018	08:57:29	0.0
101	5/25/2018	08:58:29	0.0
102	5/25/2018	08:59:29	0.0
103	5/25/2018	09:00:29	0.0
104	5/25/2018	09:01:29	0.0
105	5/25/2018	09:02:29	0.0
106	5/25/2018	09:03:29	0.0
107	5/25/2018	09:04:29	0.0
108	5/25/2018	09:05:29	0.0
109	5/25/2018	09:06:29	0.0
110	5/25/2018	09:07:29	0.0
111	5/25/2018	09:08:29	0.0
112	5/25/2018	09:09:29	0.0
113	5/25/2018	09:10:29	0.0
114	5/25/2018	09:11:29	0.0
115	5/25/2018	09:12:29	0.0
116	5/25/2018	09:13:29	0.0

117	5/25/2018	09:14:29	0.0
118	5/25/2018	09:15:29	0.0
119	5/25/2018	09:16:29	0.0
120	5/25/2018	09:17:29	0.0
121	5/25/2018	09:18:29	0.0
122	5/25/2018	09:19:29	0.0
123	5/25/2018	09:20:29	0.0
124	5/25/2018	09:21:29	0.0
125	5/25/2018	09:22:29	0.0
126	5/25/2018	09:23:29	0.0
127	5/25/2018	09:24:29	0.0
128	5/25/2018	09:25:29	0.0
129	5/25/2018	09:26:29	0.0
130	5/25/2018	09:27:29	0.0
131	5/25/2018	09:28:29	0.0
132	5/25/2018	09:29:29	0.0
133	5/25/2018	09:30:29	0.0
134	5/25/2018	09:31:29	0.0
135	5/25/2018	09:32:29	0.0
136	5/25/2018	09:33:29	0.0
137	5/25/2018	09:34:29	0.0
138	5/25/2018	09:35:29	0.0
139	5/25/2018	09:36:29	0.0
140	5/25/2018	09:37:29	0.0
141	5/25/2018	09:38:29	0.0
142	5/25/2018	09:39:29	0.0
143	5/25/2018	09:40:29	0.0
144	5/25/2018	09:41:29	0.0
145	5/25/2018	09:42:29	0.0
146	5/25/2018	09:43:29	0.0
147	5/25/2018	09:44:29	0.0
148	5/25/2018	09:45:29	0.0
149	5/25/2018	09:46:29	0.0
150	5/25/2018	09:47:29	0.0
151	5/25/2018	09:48:29	0.0
152	5/25/2018	09:49:29	0.0
153	5/25/2018	09:50:29	0.0
154	5/25/2018	09:51:29	0.0
155	5/25/2018	09:52:29	0.0
156	5/25/2018	09:53:29	0.0
157	5/25/2018	09:54:29	0.0
158	5/25/2018	09:55:29	0.0
159	5/25/2018	09:56:29	0.0
160	5/25/2018	09:57:29	0.0
161	5/25/2018	09:58:29	0.0
162	5/25/2018	09:59:29	0.0
163	5/25/2018	10:00:29	0.0
164	5/25/2018	10:01:29	0.0
165	5/25/2018	10:02:29	0.0
166	5/25/2018	10:03:29	0.0

167	5/25/2018	10:04:29	0.0
168	5/25/2018	10:05:29	0.0
169	5/25/2018	10:06:29	0.0
170	5/25/2018	10:07:29	0.0
171	5/25/2018	10:08:29	0.0
172	5/25/2018	10:09:29	0.0
173	5/25/2018	10:10:29	0.0
174	5/25/2018	10:11:29	0.0
175	5/25/2018	10:12:29	0.0
176	5/25/2018	10:13:29	0.0
177	5/25/2018	10:14:29	0.0
178	5/25/2018	10:15:29	0.0
179	5/25/2018	10:16:29	0.0
180	5/25/2018	10:17:29	0.0
181	5/25/2018	10:18:29	0.0
182	5/25/2018	10:19:29	0.0
183	5/25/2018	10:20:29	0.0
184	5/25/2018	10:21:29	0.0
185	5/25/2018	10:22:29	0.0
186	5/25/2018	10:23:29	0.0
187	5/25/2018	10:24:29	0.0
188	5/25/2018	10:25:29	0.0
189	5/25/2018	10:26:29	0.0
190	5/25/2018	10:27:29	0.0
191	5/25/2018	10:28:29	0.0
192	5/25/2018	10:29:29	0.0
193	5/25/2018	10:30:29	0.0
194	5/25/2018	10:31:29	0.0
195	5/25/2018	10:32:29	0.0
196	5/25/2018	10:33:29	0.0
197	5/25/2018	10:34:29	0.0
198	5/25/2018	10:35:29	0.0
199	5/25/2018	10:36:29	0.0
200	5/25/2018	10:37:29	0.0
201	5/25/2018	10:38:29	0.0
202	5/25/2018	10:39:29	0.0
203	5/25/2018	10:40:29	0.0
204	5/25/2018	10:41:29	0.0
205	5/25/2018	10:42:29	0.0
206	5/25/2018	10:43:29	0.0
207	5/25/2018	10:44:29	0.0
208	5/25/2018	10:45:29	0.0
209	5/25/2018	10:46:29	0.0
210	5/25/2018	10:47:29	0.0
211	5/25/2018	10:48:29	0.0
212	5/25/2018	10:49:29	0.0
213	5/25/2018	10:50:29	0.0
214	5/25/2018	10:51:29	0.0
215	5/25/2018	10:52:29	0.0
216	5/25/2018	10:53:29	0.0

217	5/25/2018	10:54:29	0.0
218	5/25/2018	10:55:29	0.0
219	5/25/2018	10:56:29	0.0
220	5/25/2018	10:57:29	0.0
221	5/25/2018	10:58:29	0.0
222	5/25/2018	10:59:29	0.0
223	5/25/2018	11:00:29	0.0
224	5/25/2018	11:01:29	0.0
225	5/25/2018	11:02:29	0.0
226	5/25/2018	11:03:29	0.0
227	5/25/2018	11:04:29	0.0
228	5/25/2018	11:05:29	0.0
229	5/25/2018	11:06:29	0.0
230	5/25/2018	11:07:29	0.0
231	5/25/2018	11:08:29	0.0
232	5/25/2018	11:09:29	0.0
233	5/25/2018	11:10:29	0.0
234	5/25/2018	11:11:29	0.0
235	5/25/2018	11:12:29	0.0
236	5/25/2018	11:13:29	0.0
237	5/25/2018	11:14:29	0.0
238	5/25/2018	11:15:29	0.0
239	5/25/2018	11:16:29	0.0
240	5/25/2018	11:17:29	0.0
241	5/25/2018	11:18:29	0.0
242	5/25/2018	11:19:29	0.0
243	5/25/2018	11:20:29	0.0
244	5/25/2018	11:21:29	0.0
245	5/25/2018	11:22:29	0.0
246	5/25/2018	11:23:29	0.0
247	5/25/2018	11:24:29	0.0
248	5/25/2018	11:25:29	0.0
249	5/25/2018	11:26:29	0.0
250	5/25/2018	11:27:29	0.0
251	5/25/2018	11:28:29	0.0
252	5/25/2018	11:29:29	0.0
253	5/25/2018	11:30:29	0.0
254	5/25/2018	11:31:29	0.0
255	5/25/2018	11:32:29	0.0
256	5/25/2018	11:33:29	0.0
257	5/25/2018	11:34:29	0.0
258	5/25/2018	11:35:29	0.0
259	5/25/2018	11:36:29	0.0
260	5/25/2018	11:37:29	0.0
261	5/25/2018	11:38:29	0.0
262	5/25/2018	11:39:29	0.1
263	5/25/2018	11:40:29	0.0
264	5/25/2018	11:41:29	0.0
265	5/25/2018	11:42:29	0.0
266	5/25/2018	11:43:29	0.0

267	5/25/2018	11:44:29	0.0
268	5/25/2018	11:45:29	0.0
269	5/25/2018	11:46:29	0.0
270	5/25/2018	11:47:29	0.0
271	5/25/2018	11:48:29	0.0
272	5/25/2018	11:49:29	0.0
273	5/25/2018	11:50:29	0.0
274	5/25/2018	11:51:29	0.0
275	5/25/2018	11:52:29	0.0
276	5/25/2018	11:53:29	0.0
277	5/25/2018	11:54:29	0.0
278	5/25/2018	11:55:29	0.0
279	5/25/2018	11:56:29	0.0
280	5/25/2018	11:57:29	0.0
281	5/25/2018	11:58:29	0.0
282	5/25/2018	11:59:29	0.0
283	5/25/2018	12:00:29	0.0
284	5/25/2018	12:01:29	0.0
285	5/25/2018	12:02:29	0.0
286	5/25/2018	12:03:29	0.3
287	5/25/2018	12:04:29	0.7
288	5/25/2018	12:05:29	0.2
289	5/25/2018	12:06:29	1.6
290	5/25/2018	12:07:29	1.0
291	5/25/2018	12:08:29	0.1
292	5/25/2018	12:09:29	0.0
293	5/25/2018	12:10:29	0.0
294	5/25/2018	12:11:29	0.0
295	5/25/2018	12:12:29	0.0
296	5/25/2018	12:13:29	0.0
297	5/25/2018	12:14:29	0.0
298	5/25/2018	12:15:29	0.0
299	5/25/2018	12:16:29	0.0
300	5/25/2018	12:17:29	0.0
301	5/25/2018	12:18:29	0.0
302	5/25/2018	12:19:29	0.0
303	5/25/2018	12:20:29	0.0
304	5/25/2018	12:21:29	0.0
305	5/25/2018	12:22:29	0.0
306	5/25/2018	12:23:29	0.0
307	5/25/2018	12:24:29	0.0
308	5/25/2018	12:25:29	0.0
309	5/25/2018	12:26:29	0.0
310	5/25/2018	12:27:29	0.0
311	5/25/2018	12:28:29	0.0
312	5/25/2018	12:29:29	0.0
313	5/25/2018	12:30:29	0.0
314	5/25/2018	12:31:29	0.0
315	5/25/2018	12:32:29	0.0
316	5/25/2018	12:33:29	0.0

317	5/25/2018	12:34:29	0.0
318	5/25/2018	12:35:29	0.0
319	5/25/2018	12:36:29	0.0
320	5/25/2018	12:37:29	0.0
321	5/25/2018	12:38:29	0.0
322	5/25/2018	12:39:29	0.0
323	5/25/2018	12:40:29	0.0
324	5/25/2018	12:41:29	0.0
325	5/25/2018	12:42:29	0.0
326	5/25/2018	12:43:29	0.0
327	5/25/2018	12:44:29	0.0
328	5/25/2018	12:45:29	0.0
329	5/25/2018	12:46:29	0.0
330	5/25/2018	12:47:29	0.0
331	5/25/2018	12:48:29	0.0
332	5/25/2018	12:49:29	0.0
333	5/25/2018	12:50:29	0.0
334	5/25/2018	12:51:29	0.0
335	5/25/2018	12:52:29	0.0
336	5/25/2018	12:53:29	0.0
337	5/25/2018	12:54:29	0.0
338	5/25/2018	12:55:29	0.0
339	5/25/2018	12:56:29	0.0
340	5/25/2018	12:57:29	0.0
341	5/25/2018	12:58:29	0.0
342	5/25/2018	12:59:29	0.0
343	5/25/2018	13:00:29	0.0
344	5/25/2018	13:01:29	0.0
345	5/25/2018	13:02:29	0.0
346	5/25/2018	13:03:29	0.0
347	5/25/2018	13:04:29	0.0
348	5/25/2018	13:05:29	0.0
349	5/25/2018	13:06:29	0.0
350	5/25/2018	13:07:29	0.0
351	5/25/2018	13:08:29	0.0
352	5/25/2018	13:09:29	0.0
353	5/25/2018	13:10:29	0.0
354	5/25/2018	13:11:29	0.0
355	5/25/2018	13:12:29	0.0
356	5/25/2018	13:13:29	0.0
357	5/25/2018	13:14:29	0.0
358	5/25/2018	13:15:29	0.0
359	5/25/2018	13:16:29	0.0
360	5/25/2018	13:17:29	0.0
361	5/25/2018	13:18:29	0.0
362	5/25/2018	13:19:29	0.0
363	5/25/2018	13:20:29	0.0
364	5/25/2018	13:21:29	0.0
365	5/25/2018	13:22:29	0.0
366	5/25/2018	13:23:29	0.0

367	5/25/2018	13:24:29	0.0
368	5/25/2018	13:25:29	0.0
369	5/25/2018	13:26:29	0.0
370	5/25/2018	13:27:29	0.0
371	5/25/2018	13:28:29	0.0
372	5/25/2018	13:29:29	0.0
373	5/25/2018	13:30:29	0.0
374	5/25/2018	13:31:29	0.0
375	5/25/2018	13:32:29	0.0
Peak		1.6	
Min		0.0	
Average		0.0	

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530113213
Firmware Version	3.7
Calibration Date	12/1/15
Test Name	MANUAL_001
Test Start Time	7:50:48 AM
Test Start Date	5/23/18
Test Length [D:H:M]	0:06:55
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.016
Mass Minimum [mg/m3]	0.01
Mass Maximum [mg/m3]	0.161
Mass TWA [mg/m3]	0.014
Photometric User Cal	1.05
Flow User Cal	0
Errors	
Number of Samples	415

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.02		
120	0.02		
180	0.021		
240	0.022		
300	0.022		
360	0.023		
420	0.024		
480	0.025		
540	0.025		
600	0.025		
660	0.027		
720	0.027		
780	0.028		
840	0.024		
900	0.024		
960	0.024		
1020	0.025		
1080	0.026		
1140	0.026		
1200	0.026		
1260	0.024		
1320	0.024		

1380	0.025
1440	0.024
1500	0.022
1560	0.024
1620	0.024
1680	0.026
1740	0.025
1800	0.023
1860	0.022
1920	0.024
1980	0.024
2040	0.023
2100	0.023
2160	0.023
2220	0.022
2280	0.025
2340	0.024
2400	0.022
2460	0.024
2520	0.02
2580	0.019
2640	0.019
2700	0.019
2760	0.018
2820	0.017
2880	0.016
2940	0.017
3000	0.019
3060	0.02
3120	0.02
3180	0.016
3240	0.015
3300	0.017
3360	0.019
3420	0.019
3480	0.017
3540	0.016
3600	0.015
3660	0.016
3720	0.018
3780	0.017
3840	0.016

3900	0.016
3960	0.016
4020	0.015
4080	0.017
4140	0.018
4200	0.015
4260	0.014
4320	0.014
4380	0.015
4440	0.015
4500	0.015
4560	0.015
4620	0.014
4680	0.014
4740	0.015
4800	0.014
4860	0.015
4920	0.015
4980	0.015
5040	0.015
5100	0.014
5160	0.014
5220	0.014
5280	0.013
5340	0.012
5400	0.012
5460	0.012
5520	0.012
5580	0.013
5640	0.014
5700	0.012
5760	0.015
5820	0.013
5880	0.014
5940	0.014
6000	0.016
6060	0.012
6120	0.013
6180	0.013
6240	0.013
6300	0.013
6360	0.012

6420	0.014
6480	0.015
6540	0.012
6600	0.012
6660	0.011
6720	0.011
6780	0.011
6840	0.011
6900	0.012
6960	0.011
7020	0.011
7080	0.011
7140	0.013
7200	0.012
7260	0.161
7320	0.027
7380	0.015
7440	0.013
7500	0.012
7560	0.012
7620	0.012
7680	0.012
7740	0.012
7800	0.012
7860	0.012
7920	0.012
7980	0.013
8040	0.011
8100	0.012
8160	0.011
8220	0.011
8280	0.011
8340	0.011
8400	0.011
8460	0.011
8520	0.012
8580	0.012
8640	0.011
8700	0.011
8760	0.011
8820	0.011
8880	0.011

8940	0.011
9000	0.011
9060	0.011
9120	0.011
9180	0.011
9240	0.012
9300	0.014
9360	0.024
9420	0.014
9480	0.012
9540	0.012
9600	0.012
9660	0.011
9720	0.012
9780	0.013
9840	0.012
9900	0.024
9960	0.026
10020	0.02
10080	0.015
10140	0.02
10200	0.011
10260	0.011
10320	0.011
10380	0.013
10440	0.013
10500	0.013
10560	0.012
10620	0.012
10680	0.011
10740	0.012
10800	0.013
10860	0.012
10920	0.012
10980	0.013
11040	0.011
11100	0.011
11160	0.011
11220	0.011
11280	0.013
11340	0.011
11400	0.011

11460	0.011
11520	0.013
11580	0.011
11640	0.011
11700	0.011
11760	0.014
11820	0.013
11880	0.012
11940	0.01
12000	0.011
12060	0.01
12120	0.01
12180	0.01
12240	0.01
12300	0.01
12360	0.01
12420	0.01
12480	0.01
12540	0.01
12600	0.01
12660	0.011
12720	0.011
12780	0.01
12840	0.011
12900	0.011
12960	0.011
13020	0.011
13080	0.011
13140	0.011
13200	0.011
13260	0.011
13320	0.012
13380	0.012
13440	0.011
13500	0.011
13560	0.012
13620	0.012
13680	0.012
13740	0.014
13800	0.012
13860	0.012
13920	0.012

13980	0.012
14040	0.012
14100	0.012
14160	0.012
14220	0.012
14280	0.013
14340	0.012
14400	0.013
14460	0.012
14520	0.013
14580	0.013
14640	0.013
14700	0.012
14760	0.012
14820	0.013
14880	0.014
14940	0.013
15000	0.012
15060	0.012
15120	0.012
15180	0.012
15240	0.012
15300	0.012
15360	0.012
15420	0.012
15480	0.012
15540	0.013
15600	0.013
15660	0.013
15720	0.02
15780	0.038
15840	0.018
15900	0.016
15960	0.022
16020	0.026
16080	0.016
16140	0.027
16200	0.014
16260	0.013
16320	0.013
16380	0.021
16440	0.034

16500	0.019
16560	0.023
16620	0.028
16680	0.016
16740	0.059
16800	0.026
16860	0.02
16920	0.012
16980	0.025
17040	0.014
17100	0.012
17160	0.012
17220	0.013
17280	0.013
17340	0.013
17400	0.015
17460	0.012
17520	0.012
17580	0.013
17640	0.013
17700	0.011
17760	0.011
17820	0.013
17880	0.012
17940	0.012
18000	0.012
18060	0.014
18120	0.015
18180	0.015
18240	0.012
18300	0.012
18360	0.012
18420	0.012
18480	0.013
18540	0.017
18600	0.013
18660	0.014
18720	0.017
18780	0.013
18840	0.014
18900	0.014
18960	0.013

19020	0.015
19080	0.015
19140	0.023
19200	0.013
19260	0.015
19320	0.015
19380	0.014
19440	0.014
19500	0.015
19560	0.014
19620	0.013
19680	0.013
19740	0.019
19800	0.013
19860	0.014
19920	0.014
19980	0.014
20040	0.014
20100	0.014
20160	0.014
20220	0.014
20280	0.013
20340	0.013
20400	0.013
20460	0.025
20520	0.015
20580	0.016
20640	0.015
20700	0.014
20760	0.014
20820	0.014
20880	0.014
20940	0.014
21000	0.013
21060	0.014
21120	0.013
21180	0.013
21240	0.013
21300	0.013
21360	0.013
21420	0.013
21480	0.013

21540	0.015
21600	0.014
21660	0.014
21720	0.013
21780	0.014
21840	0.014
21900	0.013
21960	0.013
22020	0.014
22080	0.014
22140	0.014
22200	0.014
22260	0.013
22320	0.013
22380	0.013
22440	0.013
22500	0.016
22560	0.017
22620	0.014
22680	0.017
22740	0.04
22800	0.027
22860	0.017
22920	0.014
22980	0.017
23040	0.017
23100	0.019
23160	0.016
23220	0.027
23280	0.018
23340	0.016
23400	0.016
23460	0.018
23520	0.021
23580	0.017
23640	0.017
23700	0.034
23760	0.028
23820	0.023
23880	0.026
23940	0.018
24000	0.025

24060	0.019
24120	0.022
24180	0.023
24240	0.023
24300	0.023
24360	0.021
24420	0.018
24480	0.036
24540	0.026
24600	0.027
24660	0.022
24720	0.019
24780	0.02
24840	0.017
24900	0.017

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530113213
Firmware Version	3.7
Calibration Date	12/1/15
Test Name	MANUAL_002
Test Start Time	7:27:52 AM
Test Start Date	5/24/18
Test Length [D:H:M]	0:05:26
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.032
Mass Minimum [mg/m3]	0.006
Mass Maximum [mg/m3]	1.21
Mass TWA [mg/m3]	0.022
Photometric User Cal	1.05
Flow User Cal	0
Errors	
Number of Samples	326

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.025		
120	0.016		
180	0.075		
240	0.017		
300	0.02		
360	0.016		
420	0.015		
480	0.054		
540	0.02		
600	0.019		
660	0.015		
720	0.013		
780	0.013		
840	0.013		
900	0.013		
960	0.012		
1020	0.012		
1080	0.012		
1140	0.014		
1200	0.014		
1260	0.013		
1320	0.016		

1380	0.013
1440	0.013
1500	0.013
1560	0.013
1620	0.013
1680	0.013
1740	0.014
1800	0.015
1860	0.018
1920	0.017
1980	0.015
2040	0.015
2100	0.015
2160	0.015
2220	0.014
2280	0.014
2340	0.014
2400	0.016
2460	0.015
2520	0.015
2580	0.015
2640	0.014
2700	0.014
2760	0.015
2820	0.015
2880	0.015
2940	0.031
3000	0.017
3060	0.019
3120	0.017
3180	0.016
3240	0.016
3300	0.015
3360	0.016
3420	0.016
3480	0.016
3540	0.017
3600	0.023
3660	0.017
3720	0.017
3780	0.02
3840	0.017

3900	0.018
3960	0.017
4020	0.016
4080	0.017
4140	0.017
4200	0.017
4260	0.017
4320	0.018
4380	0.018
4440	0.028
4500	0.017
4560	0.017
4620	0.017
4680	0.018
4740	0.018
4800	0.025
4860	0.018
4920	0.021
4980	0.022
5040	0.019
5100	0.018
5160	0.019
5220	0.016
5280	0.017
5340	0.024
5400	0.02
5460	0.019
5520	0.022
5580	0.021
5640	0.049
5700	0.017
5760	0.015
5820	0.015
5880	0.016
5940	0.016
6000	0.017
6060	0.017
6120	0.016
6180	0.016
6240	0.016
6300	0.015
6360	0.015

6420	0.015
6480	0.018
6540	0.017
6600	0.017
6660	0.159
6720	0.075
6780	1.21
6840	0.145
6900	0.241
6960	0.12
7020	0.017
7080	0.015
7140	0.019
7200	0.665
7260	0.071
7320	0.028
7380	0.026
7440	0.035
7500	0.028
7560	0.032
7620	0.019
7680	0.012
7740	0.024
7800	0.02
7860	0.06
7920	0.012
7980	0.015
8040	0.013
8100	0.012
8160	0.054
8220	0.066
8280	0.015
8340	0.018
8400	0.011
8460	0.009
8520	0.01
8580	0.013
8640	0.02
8700	0.023
8760	0.132
8820	0.008
8880	0.007

8940	0.009
9000	0.007
9060	0.007
9120	0.007
9180	0.007
9240	0.007
9300	0.008
9360	0.007
9420	0.007
9480	0.007
9540	0.007
9600	0.006
9660	0.006
9720	0.007
9780	0.009
9840	0.009
9900	0.011
9960	0.007
10020	0.007
10080	0.007
10140	0.007
10200	0.022
10260	0.045
10320	0.044
10380	0.008
10440	0.007
10500	0.007
10560	0.007
10620	0.007
10680	0.006
10740	0.007
10800	0.007
10860	0.007
10920	0.007
10980	0.007
11040	0.008
11100	0.007
11160	0.009
11220	0.008
11280	0.007
11340	0.008
11400	0.007

11460	0.008
11520	0.025
11580	0.017
11640	0.008
11700	0.01
11760	0.008
11820	0.008
11880	0.008
11940	0.006
12000	0.007
12060	0.007
12120	0.006
12180	0.007
12240	0.007
12300	0.007
12360	0.008
12420	0.008
12480	0.01
12540	0.029
12600	0.03
12660	0.008
12720	0.008
12780	0.008
12840	0.326
12900	0.123
12960	0.099
13020	0.017
13080	0.008
13140	0.007
13200	0.019
13260	0.013
13320	0.018
13380	0.006
13440	0.01
13500	0.029
13560	0.012
13620	0.069
13680	0.018
13740	0.041
13800	0.013
13860	0.017
13920	0.01

13980	0.008
14040	0.01
14100	0.011
14160	0.028
14220	0.007
14280	0.007
14340	0.009
14400	0.015
14460	0.026
14520	0.081
14580	0.027
14640	0.008
14700	0.044
14760	0.019
14820	0.007
14880	0.008
14940	0.008
15000	0.02
15060	0.009
15120	0.009
15180	0.008
15240	0.01
15300	0.098
15360	0.061
15420	0.011
15480	0.01
15540	0.008
15600	0.01
15660	0.007
15720	0.007
15780	0.007
15840	0.014
15900	0.009
15960	0.007
16020	0.008
16080	0.009
16140	0.009
16200	0.009
16260	0.009
16320	0.008
16380	0.009
16440	0.009

16500	0.008
16560	0.008
16620	0.007
16680	0.008
16740	0.009
16800	0.008
16860	0.008
16920	0.008
16980	0.008
17040	0.008
17100	0.008
17160	0.007
17220	0.007
17280	0.01
17340	0.01
17400	0.008
17460	0.008
17520	0.008
17580	0.007
17640	0.051
17700	0.038
17760	0.018
17820	0.007
17880	0.007
17940	0.007
18000	0.009
18060	0.007
18120	0.007
18180	0.095
18240	0.066
18300	0.044
18360	0.526
18420	0.671
18480	0.113
18540	0.323
18600	0.008
18660	0.016
18720	0.007
18780	0.011
18840	0.369
18900	0.105
18960	0.015

19020	0.075
19080	0.008
19140	0.012
19200	0.028
19260	0.019
19320	0.018
19380	0.007
19440	0.008
19500	0.006
19560	0.006

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530113213
Firmware Version	3.7
Calibration Date	12/1/15
Test Name	MANUAL_003
Test Start Time	6:16:08 AM
Test Start Date	5/25/18
Test Length [D:H:M]	0:06:16
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.063
Mass Minimum [mg/m3]	0.02
Mass Maximum [mg/m3]	0.552
Mass TWA [mg/m3]	0.05
Photometric User Cal	1.05
Flow User Cal	0
Errors	
Number of Samples	376

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.027		
120	0.028		
180	0.023		
240	0.025		
300	0.03		
360	0.028		
420	0.025		
480	0.024		
540	0.025		
600	0.023		
660	0.022		
720	0.02		
780	0.021		
840	0.039		
900	0.03		
960	0.03		
1020	0.025		
1080	0.037		
1140	0.026		
1200	0.025		
1260	0.025		
1320	0.025		

1380	0.021
1440	0.024
1500	0.025
1560	0.023
1620	0.023
1680	0.025
1740	0.022
1800	0.024
1860	0.053
1920	0.026
1980	0.023
2040	0.023
2100	0.045
2160	0.118
2220	0.294
2280	0.072
2340	0.091
2400	0.376
2460	0.057
2520	0.048
2580	0.045
2640	0.472
2700	0.236
2760	0.376
2820	0.097
2880	0.043
2940	0.126
3000	0.036
3060	0.043
3120	0.048
3180	0.139
3240	0.131
3300	0.329
3360	0.078
3420	0.165
3480	0.332
3540	0.155
3600	0.387
3660	0.112
3720	0.234
3780	0.098
3840	0.282

3900	0.185
3960	0.147
4020	0.072
4080	0.033
4140	0.095
4200	0.242
4260	0.284
4320	0.114
4380	0.053
4440	0.03
4500	0.075
4560	0.408
4620	0.462
4680	0.293
4740	0.197
4800	0.141
4860	0.036
4920	0.134
4980	0.11
5040	0.194
5100	0.313
5160	0.027
5220	0.023
5280	0.024
5340	0.025
5400	0.025
5460	0.025
5520	0.026
5580	0.026
5640	0.026
5700	0.026
5760	0.027
5820	0.029
5880	0.028
5940	0.027
6000	0.026
6060	0.026
6120	0.026
6180	0.025
6240	0.026
6300	0.026
6360	0.027

6420	0.025
6480	0.027
6540	0.027
6600	0.027
6660	0.027
6720	0.03
6780	0.032
6840	0.031
6900	0.031
6960	0.029
7020	0.029
7080	0.031
7140	0.043
7200	0.095
7260	0.087
7320	0.055
7380	0.069
7440	0.063
7500	0.036
7560	0.043
7620	0.087
7680	0.044
7740	0.185
7800	0.032
7860	0.033
7920	0.038
7980	0.046
8040	0.038
8100	0.034
8160	0.029
8220	0.079
8280	0.552
8340	0.156
8400	0.465
8460	0.108
8520	0.149
8580	0.117
8640	0.035
8700	0.053
8760	0.062
8820	0.033
8880	0.05

8940	0.032
9000	0.032
9060	0.031
9120	0.031
9180	0.031
9240	0.065
9300	0.192
9360	0.068
9420	0.063
9480	0.108
9540	0.058
9600	0.109
9660	0.069
9720	0.042
9780	0.036
9840	0.104
9900	0.097
9960	0.172
10020	0.1
10080	0.09
10140	0.106
10200	0.095
10260	0.073
10320	0.055
10380	0.066
10440	0.117
10500	0.148
10560	0.137
10620	0.124
10680	0.103
10740	0.05
10800	0.099
10860	0.118
10920	0.049
10980	0.082
11040	0.06
11100	0.037
11160	0.042
11220	0.034
11280	0.036
11340	0.035
11400	0.041

11460	0.041
11520	0.033
11580	0.038
11640	0.04
11700	0.04
11760	0.045
11820	0.065
11880	0.066
11940	0.056
12000	0.065
12060	0.08
12120	0.053
12180	0.085
12240	0.038
12300	0.045
12360	0.072
12420	0.044
12480	0.091
12540	0.074
12600	0.048
12660	0.052
12720	0.038
12780	0.043
12840	0.052
12900	0.032
12960	0.033
13020	0.035
13080	0.033
13140	0.03
13200	0.03
13260	0.029
13320	0.029
13380	0.028
13440	0.027
13500	0.028
13560	0.03
13620	0.03
13680	0.029
13740	0.029
13800	0.029
13860	0.029
13920	0.029

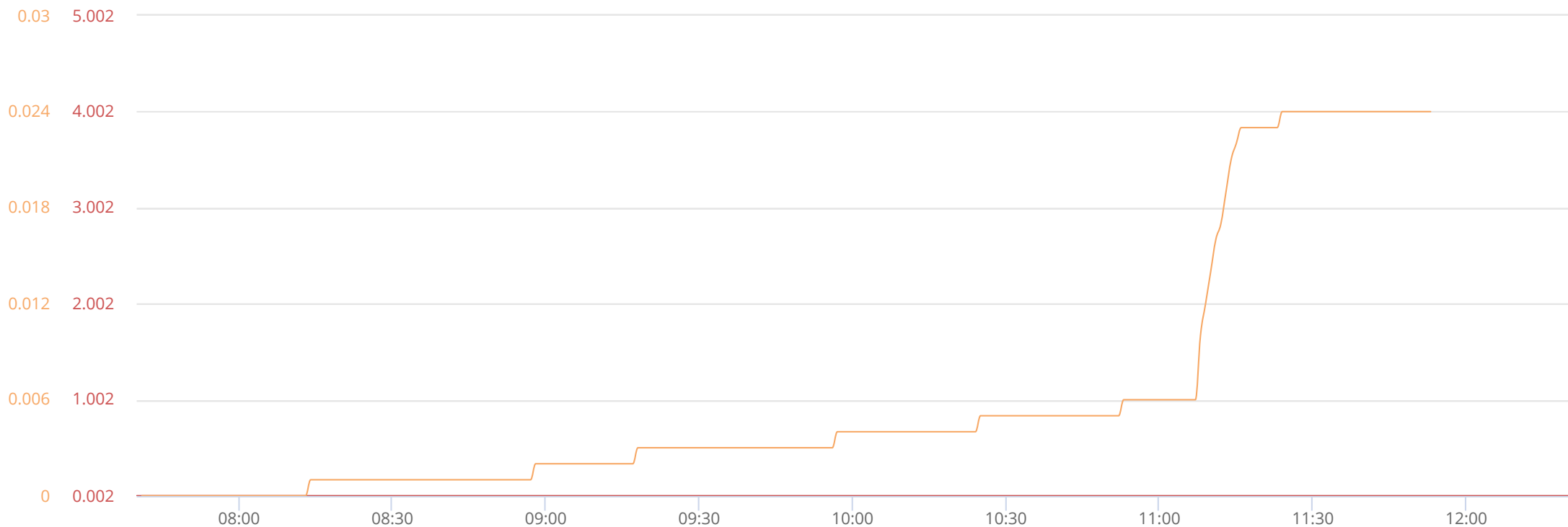
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14040	0.03
14100	0.029
14160	0.029
14220	0.029
14280	0.029
14340	0.028
14400	0.029
14460	0.028
14520	0.029
14580	0.03
14640	0.029
14700	0.03
14760	0.028
14820	0.028
14880	0.029
14940	0.028
15000	0.027
15060	0.028
15120	0.028
15180	0.028
15240	0.027
15300	0.026
15360	0.027
15420	0.029
15480	0.031
15540	0.028
15600	0.028
15660	0.029
15720	0.03
15780	0.03
15840	0.028
15900	0.028
15960	0.029
16020	0.029
16080	0.114
16140	0.031
16200	0.031
16260	0.03
16320	0.031
16380	0.03
16440	0.034

16500	0.031
16560	0.029
16620	0.042
16680	0.045
16740	0.034
16800	0.081
16860	0.029
16920	0.029
16980	0.031
17040	0.033
17100	0.029
17160	0.028
17220	0.074
17280	0.055
17340	0.048
17400	0.251
17460	0.129
17520	0.105
17580	0.032
17640	0.032
17700	0.03
17760	0.03
17820	0.032
17880	0.035
17940	0.03
18000	0.052
18060	0.044
18120	0.039
18180	0.075
18240	0.03
18300	0.039
18360	0.047
18420	0.035
18480	0.035
18540	0.032
18600	0.035
18660	0.057
18720	0.037
18780	0.032
18840	0.032
18900	0.04
18960	0.1

19020	0.109
19080	0.034
19140	0.128
19200	0.12
19260	0.028
19320	0.028
19380	0.028
19440	0.028
19500	0.038
19560	0.026
19620	0.031
19680	0.035
19740	0.032
19800	0.052
19860	0.027
19920	0.03
19980	0.051
20040	0.029
20100	0.026
20160	0.037
20220	0.027
20280	0.027
20340	0.027
20400	0.03
20460	0.024
20520	0.025
20580	0.025
20640	0.026
20700	0.026
20760	0.024
20820	0.024
20880	0.025
20940	0.027
21000	0.025
21060	0.025
21120	0.025
21180	0.024
21240	0.024
21300	0.026
21360	0.023
21420	0.023
21480	0.023

21540	0.024
21600	0.024
21660	0.025
21720	0.024
21780	0.025
21840	0.023
21900	0.023
21960	0.023
22020	0.023
22080	0.023
22140	0.023
22200	0.024
22260	0.03
22320	0.025
22380	0.025
22440	0.024
22500	0.025
22560	0.024

Fri, 22nd of Jun 2018, 7:00:00 – 16:30:00
(GMT-05:00) Eastern Time (US & Canada)



VOC (TWA) ppm

miniRAE 3000
RS232(A)

MIN

0.002

AVG

0.002

MAX

0.002

Total TWA mg/m³

DustTrak-8530
RS232(C)

MIN

0

AVG

0.006

MAX

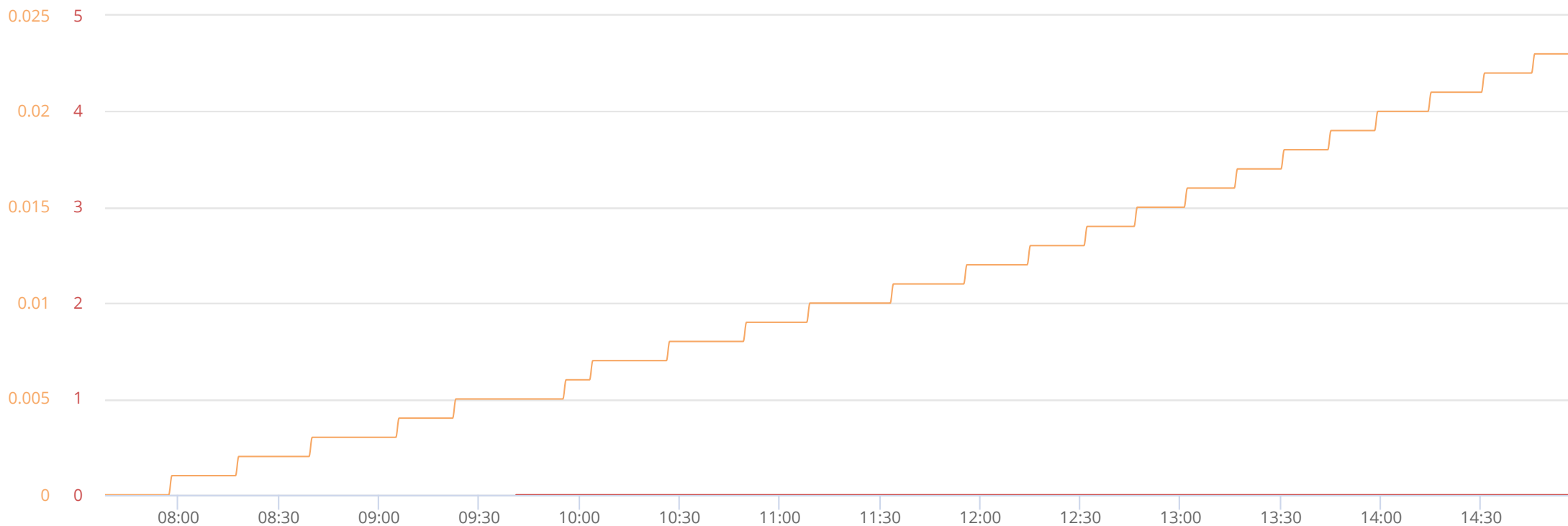
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Name 38301

S/N 0B262945

Location 500 Exterior Street,
Bronx, NY 10451, USA

Fri, 22nd of Jun 2018, 7:00:00 – 16:30:00
(GMT-05:00) Eastern Time (US & Canada)



VOC (TWA) ppm

miniRAE 3000
RS232(A)

MIN

0

AVG

0

MAX

0

Total TWA mg/m³

DustTrak-8530
RS232(C)

MIN

0

AVG

0.01

MAX

0.023

Name 41146

S/N 0B358481

Location 500 Exterior Street,
Bronx, NY 10451, USA

Appendix C
Sample Logs and Photographic Log

TENEN ENVIRONMENTAL			Boring No. SB-1
			Sheet: 1 OF 1
Site: 2135 Westchester Ave, Bronx, NY			Drilling Method: Geoprobe
Weather: 70°F, sunny			Driller: Cascade
Date: 5/23/18			Soil Sampling Method: Acetate Liner
Observers: C. Zaccheo, M. Carroll			
Depth (feet)	PID Reading (ppm)	Soil Samples	Soil Description
1	0.0	SB-1 (1-5)	0-5: Silt, some weathered bedrock
2			
3			
4			
5			
6	0.0		5-10: Light brown and light grey clayey silt
7			
8			
9			
10			
11	0.0		10-15: Silt, some coarse grain sand, pebbles, wet at 15 ft.
12			
13			
14			
15			
16	0.0		15-17: SAA 17-20: Weathered bedrock
17			
18			
19			
20			
21	0.0	SB-1 (20-21)	20-21: Weathered bedrock
22			EOB at 21 ft.
23			
24			
25			

Notes:

PID - Photoionization Detector

EOB - End of Boring

SAA - Same as above

GW = Groundwater

N/A - Not Applicable

ft-bg - Feet Below Grade

DTW = Depth to Water

TENEN ENVIRONMENTAL			Boring No. SB-2
			Sheet: 1 OF 1
Site: 2135 Westchester Ave, Bronx, NY			Drilling Method: Geoprobe
Weather: 70°F, sunny			Driller: Cascade
Date: 5/23/18			Soil Sampling Method: Acetate Liner
Observers: C. Zaccheo, M. Carroll			
Depth (feet)	PID Reading (ppm)	Soil Samples	Soil Description
1	0.0	SB-2(1-5)	0-5: FILL (asphalt, concrete, silt)
2			
3			
4			
5			
6	0.0		5-10: Brown silt, some weathered bedrock
7			
8			
9			
10			
11	0.0	SB-2 (13-14)	10-14: Silt, some fine grain san, weathered bedrock EOB at 14 ft.
12			
13			
14			
15			
Notes: PID - Photoionization Detector EOB - End of Boring SAA - Same as above GW = Groundwater N/A - Not Applicable ft-bg - Feet Below Grade DTW = Depth to Water			

TENEN ENVIRONMENTAL			Boring No. SB-3
			Sheet: 1 OF 1
Site: 2135 Westchester Ave, Bronx, NY			Drilling Method: Geoprobe
Weather: 70°F, sunny			Driller: Cascade
Date: 5/23/18			Soil Sampling Method: Acetate Liner
Observers: C. Zaccheo, M. Carroll			
Depth (feet)	PID Reading (ppm)	Soil Samples	Soil Description
1	0.0	SB-3(1-5)	0-1: Asphalt and concrete
2			1-5: FILL (silt, some medium grain sand, weathered bedrock, wood fragments)
3			
4			
5			
6	0.0		5-10: Clayey silt, some weathered bedrock
7			
8			
9			
10			
11	0.0		10-15: Clayey silt, some weathered bedrock, some pebbles
12			
13			
14			
15			
16	0.0	SB-3(15-16)	15-16: Weathered bedrock
17			EOB at 16 ft.
18			
19			
20			
Notes: PID - Photoionization Detector EOB - End of Boring SAA - Same as above GW = Groundwater N/A - Not Applicable ft-bg - Feet Below Grade DTW = Depth to Water			

TENEN ENVIRONMENTAL			Boring No. SB-4
			Sheet: 1 OF 1
Site: 2135 Westchester Ave, Bronx, NY			Drilling Method: Geoprobe
Weather: 70°F, sunny			Driller: Cascade
Date: 5/23/18			Soil Sampling Method: Acetate Liner
Observers: C. Zaccheo, M. Carroll			
Depth (feet)	PID Reading (ppm)	Soil Samples	Soil Description
1	0.0	SB-4 (1-4)	0-5: Tightly packed silt, some weathered bedrock
2			
3			
4			
5			
6	0.0		5-10: Light brown to grey silty clay to clayey silt
7			
8			
9			
10			
11	0.0		10-15: Silt with weathered bedrock
12			
13			
14			
15			
16	0.0		15-18: Fine grain sand, weathered bedrock 18-20: Weathered bedrock EOB at 18 ft.
17			
18			
19			
20			SB-4(18-20)
Notes: PID - Photoionization Detector EOB - End of Boring SAA - Same as above GW = Groundwater N/A - Not Applicable ft-bg - Feet Below Grade DTW = Depth to Water			

			Boring No. SB-5 Sheet: 1 OF 1	
Site: 2135 Westchester Ave, Bronx, NY			Drilling Method: Geoprobe	
Weather: 70°F, sunny			Driller: Cascade	
Date: 5/23/18			Soil Sampling Method: Acetate Liner	
Observers: C. Zaccheo, M. Carroll				

Depth (feet)	PID Reading (ppm)	Soil Samples	Soil Description
1	0.0	SB-5 (1-2)	0-5: Asphalt underlain by tightly packed silt
2			
3			
4			
5			
6	0.0		5-10: Silt, coarse grain sand, weathered bedrock
7			
8			
9			
10			
11	0.0		10-12: Orange clayey silt, some weathered bedrock 12-13: Weathered bedrock 13-14.5: Light grey clayey silt 14.5-15: Weathered bedrock
12			
13			
14			
15			
16	0.0	SB-5 (15-17)	15-17: Weathered bedrock EOB at 17 ft.
17			
18			
19			
20			

Notes:
 PID - Photoionization Detector EOB - End of Boring SAA - Same as above GW = Groundwater
 N/A - Not Applicable ft-bg - Feet Below Grade DTW = Depth to Water

			Boring No. S1-W Sheet: 1 OF 1	
Site: 2135 Westchester Ave, Bronx, NY			Drilling Method: Geoprobe	
Weather: 70°F, sunny			Driller: Cascade	
Date: 5/23/18			Soil Sampling Method: Acetate Liner	
Observers: C. Zaccheo, M. Carroll				
Depth (feet)	PID Reading (ppm)	Soil Samples	Soil Description	
1		S1-W (0-1)	0-1: Silt, some coarse grain sand, weathered bedrock	
2				
3				
4				
5				
Notes: PID - Photoionization Detector EOB - End of Boring SAA - Same as above GW = Groundwater N/A - Not Applicable ft-bg - Feet Below Grade DTW = Depth to Water				

			Boring No. S1-S Sheet: 1 OF 1	
Site: 2135 Westchester Ave, Bronx, NY			Drilling Method: Geoprobe	
Weather: 70°F, sunny			Driller: Cascade	
Date: 5/23/18			Soil Sampling Method: Acetate Liner	
Observers: C. Zaccheo, M. Carroll				
Depth (feet)	PID Reading (ppm)	Soil Samples	Soil Description	
1	0.0	S1-S(0-0.5)	6" concrete	
2			0-0.5: FILL (silt, some coarse grain sand, weathered bedrock)	
3			EOB at 0.5 ft.	
4				
5				
Notes: PID - Photoionization Detector EOB - End of Boring SAA - Same as above GW = Groundwater N/A - Not Applicable ft-bg - Feet Below Grade DTW = Depth to Water				

			Boring No. S1-C Sheet: 1 OF 1	
Site: 2135 Westchester Ave, Bronx, NY			Drilling Method: Geoprobe	
Weather: 70°F, sunny			Driller: Cascade	
Date: 5/23/18			Soil Sampling Method: Acetate Liner	
Observers: C. Zaccheo, M. Carroll				
Depth (feet)	PID Reading (ppm)	Soil Samples	Soil Description	
1	0.0	S1-C(0.5-1)	3" concrete	
2			0-0.5: FILL (silt, some coarse sand, weathered bedrock)	
3			0.5-1: Weathered bedrock	
4			EOB at 1 ft.	
5				
Notes: PID - Photoionization Detector EOB - End of Boring SAA - Same as above GW = Groundwater N/A - Not Applicable ft-bg - Feet Below Grade DTW = Depth to Water				

Boring No. S1-N
Sheet: 1 OF 1
Drilling Method: Geoprobe
Driller: Cascade
Soil Sampling Method: Acetate Liner

Site: 2135 Westchester Ave, Bronx, NY
Weather: 70°F, sunny
Date: 5/23/18
Observers: C. Zaccheo, M. Carroll

Depth (feet)	PID Reading (ppm)	Soil Samples	Soil Description
1	0.0	S1-N (0.5-1.5)	3" concrete
2			0-1.5: FILL (silt, some coarse grain sand, weathered bedrock)
3			EOB at 1.5 ft.
4			
5			

Notes:

PID - Photoionization Detector
 N/A - Not Applicable

EOB - End of Boring
 ft-bg - Feet Below Grade

SAA - Same as above

GW = Groundwater
 DTW = Depth to Water

			Boring No. S1-E Sheet: 1 OF 1	
Site: 2135 Westchester Ave, Bronx, NY			Drilling Method: Geoprobe	
Weather: 70°F, sunny			Driller: Cascade	
Date: 5/23/18			Soil Sampling Method: Acetate Liner	
Observers: C. Zaccheo, M. Carroll				

Depth (feet)	PID Reading (ppm)	Soil Samples	Soil Description
1	0.0	S1-E(0-0.5)	4" concrete
2			0-0.5: FILL (silt, some coarse grain sand, weathered bedrock)
3			EOB at 0.5 ft.
4			
5			

Notes:
 PID - Photoionization Detector EOB - End of Boring SAA - Same as above GW = Groundwater
 N/A - Not Applicable ft-bg - Feet Below Grade DTW = Depth to Water



Photo 1 – Bedrock core recovered from MW-1B



Photo 2 – Bedrock core recovered from MW-4B

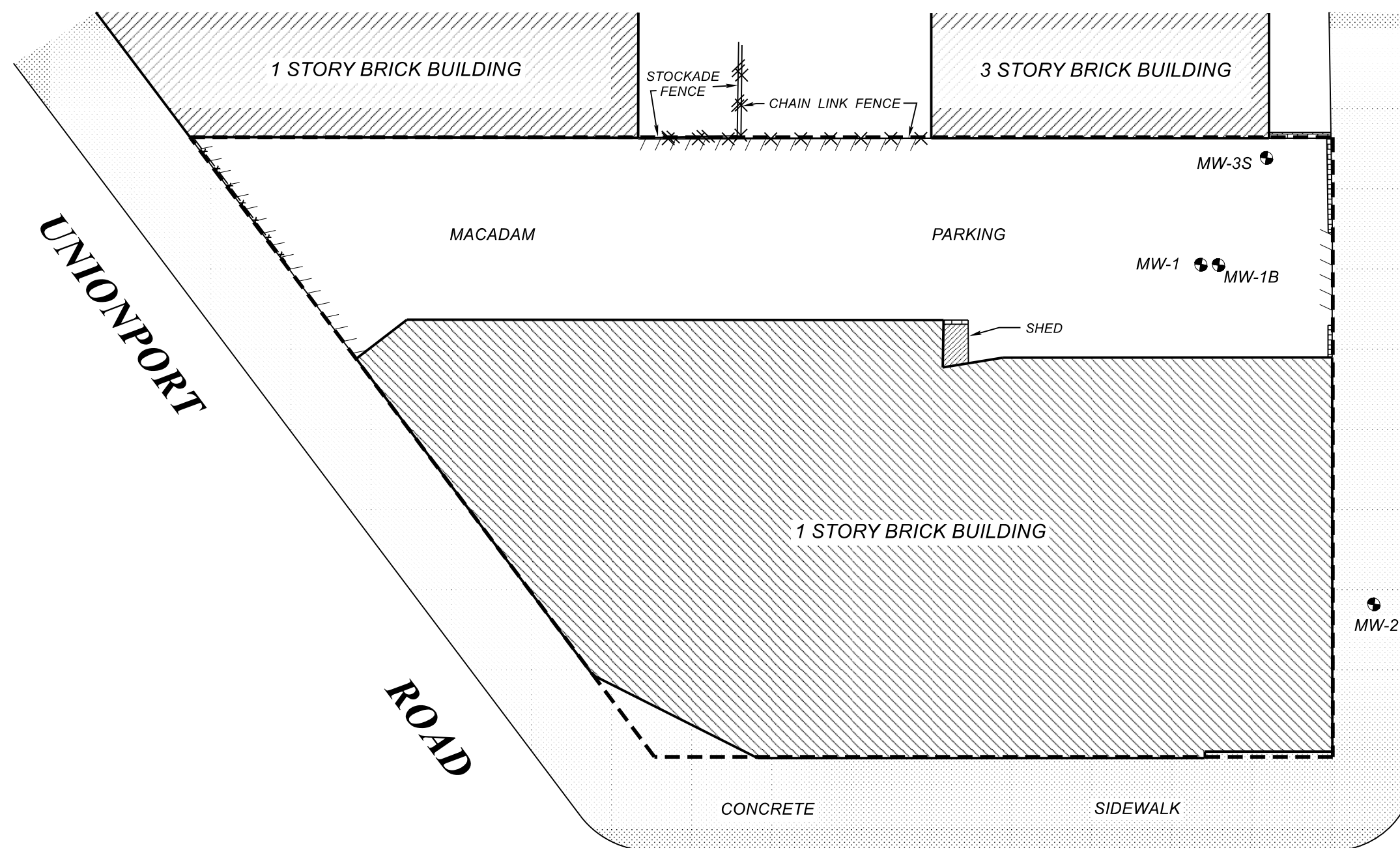
Soil Vapor Sampling Logs
2135 Westchester Avenue - Bronx, NY 10462

Soil Vapor Sampling Logs							
Sample ID	Canister	Regulator ID	PID (ppm)	Start Time	Start Pressure (in-Hg)	End Time	End Pressure (in-Hg)
AA03282018-8hr	2168	0204	--	3/28/18 9:49	29.85	3/28/18 17:50	5.06
2151W-SV1	2571	0434	18.6	3/28/18 10:17	30.72	3/29/18 9:44	5.61
2151W-IA	2563	0032	--	3/28/18 10:20	30.27	3/29/18 9:48	6.13
AA03282018-24hr	641	0471	--	3/28/18 10:40	29.65	3/29/18 10:25	7.4
1311P-SV1	693	0968	0.3	3/28/18 16:58	30.1	3/29/18 15:50	0.1
1311P-IA	1587	0843	--	3/28/18 17:00	30.2	3/29/18 16:17	14.26
AA03282018-24hrPM	2272	0435	--	3/28/18 17:06	32.92	3/29/18 16:15	10.81
2135W-SV1	2429	0945	0.2	3/28/18 9:37	29.94	3/28/18 17:35	0.1
2135W-IA	108	0550	--	3/28/18 9:39	29.99	3/28/18 17:40	7.21
1310P-IA	1847	0246	--	3/28/18 9:02	30.01	3/29/18 8:29	0.09
1310P-SV1	1617	0080	0.1	3/28/18 9:01	30.22	3/29/18 8:30	3.93
SV-1	553	0437	20.7	7/12/18 7:19	30.01	7/12/18 15:08	4.54
SV-2	241	0340	2.7	7/12/18 7:29	30.05	7/12/18 15:29	5.02
SV-4	345	0951	0.0	7/12/18 7:40	30.33	7/12/18 15:12	1.5
SV-3	1739	0948	2.3	7/12/18 7:45	30.26	7/12/18 15:45	8.56
SV-5	2209	0959	10.3	7/12/18 7:50	30.12	7/12/18 15:48	4.93
SV-6	414	0904	0.0	7/12/18 7:55	30.29	7/12/18 16:00	10.93
SV-7	457	0341	2.3	7/12/18 8:00	30.29	7/12/18 16:03	4.18
SS-2	172	01072	8.5	7/12/18 7:06	30.13	7/12/18 15:06	6.55
IA-2	2200	0406	--	7/12/18 7:03	29.19	7/12/18 14:50	4.73
AMBIENT	400	0342	--	7/12/18 6:59	29.94	7/12/18 14:46	1.62

Notes:

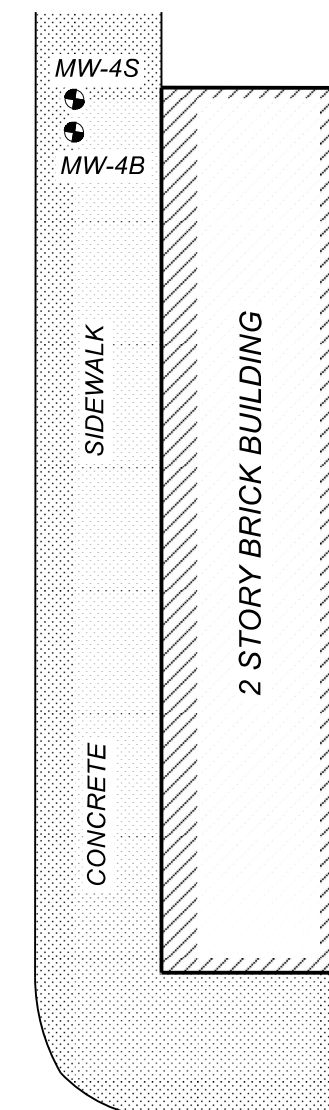
-- Denotes no reading was taken

Appendix D
Monitoring Well Purging and Sampling Logs
Monitoring Well Survey



PURDY STREET

WESTCHESTER AVENUE



WELL ELEVATION TABLE

ELEVATIONS		
WELL I.D.	TOP OF CASING	TOP OF PVC
MW-1	61.78	61.50
MW-1B	61.66	61.36
MW-2	60.82	60.62
MW-3S	61.45	61.18
MW-4B	59.88	59.33
MW-4S	59.84	59.54

ALL WELLS ARE FLUSH MOUNT

NOTES:

- TAX LOT: BLOCK 3934 LOT 1
- DATE OF FIELD SURVEY: OCTOBER 2, 2018
- HORIZONTAL AND VERTICAL DATUM: ASSUMED
- PROPERTY LINES APPROXIMATE ONLY FROM TAX MAPS

WELL SURVEY FOR PROPERTY LOCATED AT

2135 WESTCHESTER AVENUE

BOROUGH OF BRONX

KINGS COUNTY
SCALE: 1" = 20'

NEW YORK
OCTOBER 2, 2018

DONALD R. STEDGE, P.L.S.
112 MURRAY AVENUE
GOSHEN, NY 10924
(845) 325-9734

JOB NO.
1764

Appendix 4 - Purge Logs
2135 Westcheser Avenue - Bronx, NY

GROUNDWATER SAMPLING LOG

Site Name	2135 Westchester Avenue	Date	7/12/18
Well No.	MW-1	Sample ID	MW-1

Well Diameter	2 inches	Depth to Water	12.55	ft-bg
Well Screen Interval	NR ft-bg	TOC Elevation	61.78	ft-bg
Headspace PID	87.6 ppm	GW Elevation	49.23	ft-bg
Weather	Sunny, 90 deg F			

Pump	Peristaltic
Water Quality Meter	Horiba U52
Total Volume Purged	2.5 gallons

Time	Temperature deg-C	pH SU	ORP mV	Conductivity mS/cm	Turbidity NTU	Dissolved Oxygen mg/L	Total Dissolved Solids ppm
1030	18.89	6.41	83	1.14	218	0.0	NR
1040	18.91	6.42	90	1.41	105	0.0	NR
1050	21.05	6.44	90	1.40	77.9	0.0	NR
1100	19.29	6.45	90	1.52	44.4	0.0	NR
1110	18.14	6.45	88	1.60	29.4	0.0	NR

Notes:

Appendix 4 - Purge Logs
2135 Westcheser Avenue - Bronx, NY

GROUNDWATER SAMPLING LOG

Site Name	2135 Westchester Avenue	Date	7/12/18
Well No.	MW-1B	Sample ID	MW-1B

Well Diameter	4 inches	Depth to Water	12.04	ft-bg
Well Screen Interval	NR ft-bg	TOC Elevation	61.66	ft-bg
Headspace PID	NR ppm	GW Elevation	49.62	ft-bg
Weather	Sunny, 90 deg F			

Pump	Peristaltic
Water Quality Meter	Horiba U52
Total Volume Purged	5.5 gallons

Time	Temperature deg-C	pH SU	ORP mV	Conductivity mS/cm	Turbidity NTU	Dissolved Oxygen mg/L	Total Dissolved Solids ppm
0830	18.22	8.49	-373	0.612	29.7	9.8	NR
0840	18.26	8.37	-381	0.588	94.7	0.0	NR
0850	19.22	8.49	-386	0.578	98.9	0.0	NR
0900	19.45	8.34	-372	0.580	132	0.0	NR
0910	19.45	8.30	-363	0.569	140	0.0	NR
0920	19.03	8.30	-359	0.570	161	0.0	NR
0930	18.97	8.44	-359	0.558	200	0.0	NR

Notes:

Appendix 4 - Purge Logs
2135 Westcheser Avenue - Bronx, NY

GROUNDWATER SAMPLING LOG

Site Name	2135 Westchester Avenue	Date	7/12/18
Well No.	MW-2	Sample ID	MW-2

Well Diameter	2 inches	Depth to Water	12.5	ft-bg
Well Screen Interval	NR ft-bg	TOC Elevation	60.82	ft-bg
Headspace PID	15.1 ppm	GW Elevation	48.32	ft-bg
Weather	Sunny, 90 deg F			

Pump	Peristaltic
Water Quality Meter	Horiba U52
Total Volume Purged	6.5 gallons

Time	Temperature deg-C	pH SU	ORP mV	Conductivity mS/cm	Turbidity NTU	Dissolved Oxygen mg/L	Total Dissolved Solids ppm
1023	20.25	6.70	-38	0.596	1000	0.79	0.382
1033	18.84	6.67	-39	0.617	211	0.0	0.395
1043	19.08	6.64	-38	0.617	116	0.0	0.395
1053	18.83	6.64	-38	0.62	77.1	0.0	0.396
1103	19.30	6.65	-37	0.612	85.3	0.02	0.392
1113	19.50	6.69	-40	0.616	90.2	0.0	0.394
1123	19.78	6.68	-40	0.616	82	0.0	0.394

Notes:

Appendix 4 - Purge Logs
2135 Westcheser Avenue - Bronx, NY

GROUNDWATER SAMPLING LOG

Site Name	2135 Westchester Avenue	Date	7/12/18
Well No.	MW-3S	Sample ID	MW-3S

Well Diameter	3 inches	Depth to Water	12.45	ft-bg
Well Screen Interval	NR ft-bg	TOC Elevation	61.45	ft-bg
Headspace PID	6.1 ppm	GW Elevation	49	ft-bg
Weather	Sunny, 90 deg F			

Pump	Peristaltic
Water Quality Meter	Horiba U52
Total Volume Purged	0.25 gallons

Time	Temperature	pH	ORP	Conductivity	Turbidity	Dissolved Oxygen	Total Dissolved Solids
	deg-C	SU	mV	mS/cm	NTU	mg/L	ppm
0852	20.25	7.78	78	0.644	604	2.51	0.414

Notes: Well dry, take grab sample

Appendix 4 - Purge Logs
2135 Westcheser Avenue - Bronx, NY

GROUNDWATER SAMPLING LOG

Site Name	2135 Westchester Avenue	Date	7/12/18
Well No.	MW-4B	Sample ID	MW-4B

Well Diameter	4 inches	Depth to Water	12.55	ft-bg
Well Screen Interval	NR ft-bg	TOC Elevation	59.88	ft-bg
Headspace PID	6.1 ppm	GW Elevation	47.33	ft-bg
Weather	Sunny, 90 deg F			

Pump	Peristaltic
Water Quality Meter	Horiba U52
Total Volume Purged	7 gallons

Time	Temperature deg-C	pH SU	ORP mV	Conductivity mS/cm	Turbidity NTU	Dissolved Oxygen mg/L	Total Dissolved Solids ppm
1200	23.1	6.96	-109	0.424	170	0.0	0.276
1210	20.03	7.11	-163	0.428	131	0.0	0.278
1220	20.47	7.01	-174	0.421	100	0.0	0.273
1230	20.56	6.94	-180	0.412	80.4	0.0	0.268
1240	20.79	6.86	-183	0.404	70	0.0	0.262
1250	20.79	6.72	-180	0.395	140	0.0	0.257
1300	20.79	6.63	-173	0.388	103	0.0	0.252
1310	21.79	6.59	-165	0.382	81.5	0.0	0.248
1320	21.57	6.58	-161	0.372	56.9	0.0	0.246

Notes:

Appendix 4 - Purge Logs
2135 Westcheser Avenue - Bronx, NY

GROUNDWATER SAMPLING LOG

Site Name	2135 Westchester Avenue	Date	7/12/18
Well No.	MW-4S	Sample ID	MW-4S

Well Diameter	2 inches	Depth to Water	11.96	ft-bg
Well Screen Interval	NR ft-bg	TOC Elevation	59.84	ft-bg
Headspace PID	5.2 ppm	GW Elevation	47.88	ft-bg
Weather	Sunny, 90 deg F			

Pump	Peristaltic
Water Quality Meter	Horiba U52
Total Volume Purged	1.5 gallons

Time	Temperature deg-C	pH SU	ORP mV	Conductivity mS/cm	Turbidity NTU	Dissolved Oxygen mg/L	Total Dissolved Solids ppm
1406	27.90	7.27	5	0.4	1000	0.01	0.262
1416	22.10	7.32	3	0.416	1000	0	0.27
1440	25.09	2.19	-24	0.395	540	0.65	0.753

Notes: Well continually going dry, take grab sample