2921 Westchester Avenue
Remedial Investigation Report

2921 Westchester Avenue - Bronx, NY
Block 4164, Portion of Lot 5
BCP Site # C203140

Submitted to:
New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 2
Hunters Point Plaza
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Long Island City, NY 11101

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CERTIFICATION

I, Alana 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 statues 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.

Alana Carroll, PG

02/13/2023
Date

1.0 INTRODUCTION

On behalf of Ralford Realty Corp. (the "Participant"), Tenen Environmental, LLC (Tenen) has prepared this Remedial Investigation Report (RIR) for the property located at 2921 Westchester Avenue (Block 4164, Portion of Lot 5) 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 January 2021 Remedial Investigation Work Plan (RIWP), which was approved by the New York State Department of Environmental Conservation (NYSDEC) on February 4, 2021. The RIWP is included as Appendix A.

The objective of the RI was to further investigate and characterize the nature and extent of contamination previously identified on the Site. The scope of work included investigation of subsurface soils, soil and sub-slab vapor and groundwater in areas where historical operations potentially impacted the Site or surrounding areas.

RI activities were conducted in February 2021, March 2021, July 2021 and in February 2022, and May 2022. 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 5, 2020.

Prior Site investigations, detailed in Section 3, have confirmed the presence of contamination from on-site releases. Specifically, Site investigations have identified chlorinated solvents at concentrations above regulatory levels in environmental media. The soil, soil vapor and groundwater are impacted with PCE, consistent with the historic use of the Site as a dry cleaner from circa 1988 to circa 2000. Based upon the location and distribution of elevated PCE concentrations, these impacts are attributable to the historical dry cleaning operations. Based upon comparison with the New York State Department of Health (NYSDOH) Guidance for Evaluating Soil Vapor Intrusion in the State of New York (Soil Vapor Guidance), the levels of PCE identified in indoor air at the Site would likely require mitigation.

Based on the above, it was concluded that further investigation would be required to characterize the nature and extent of soil, groundwater, and soil vapor contamination on the Site to determine if contaminant levels related to historical Site operations threaten public health or the environment. To accomplish these objectives, the following RI tasks were completed in February 2021, March 2021, July 2021, February 2022, and May 2022:

- Soil borings were advanced at seventeen locations.
- 30 soil samples [including QA/QC samples] were collected at depths ranging from 0 to 3 feet below basement grade (ft-bbg) and 2.5 to 8 feet below sidewalk grade (ft-bsg) and analyzed.
- Six permanent groundwater-monitoring wells were installed. Groundwater samples were collected from six newly installed wells and from three previously installed wells.
- Sub-slab soil vapor samples were collected from nine offsite locations in tenant spaces surrounding the Site within the Site building. Exterior soil vapor samples were collected from three offsite locations in sidewalks surrounding the Site. 13 indoor air samples were collected on- and offsite, and three ambient air samples were collected.

The analytical results of the RI sampling confirmed the presence of an onsite soil source of chlorinated solvent impacts associated with former Site operations of a dry cleaner. Elevated concentrations of PCE above applicable regulatory standards were found in soil within the source area and groundwater within and downgradient of the source area beneath the Site building. Chlorinated solvents were found in offsite sub-slab soil vapor samples and on- and offsite indoor air samples collected from within the Site building.

Comparison of co-located offsite sub-slab soil vapor and indoor air concentrations of PCE to NYSDOH Matrix B indicate that monitoring is necessary in the south adjoining basement. Comparison of co-located offsite sub-slab soil vapor and indoor air concentrations of cis-1,2-dichloroethene (cis-1,2-DCE) to NYSDOH Matrix A indicate that monitoring is necessary in the home goods store tenant space, north of the Site.

Sub-slab soil vapor samples could not be collected from the Site basement or north adjoining basement; however, concentrations of PCE and TCE in indoor air samples collected from these locations indicate mitigation would likely be necessary at the Site and north adjoining basement. Per- and polyfluoroalkyl substances (PFAS) were detected in groundwater across the Site and offsite in exceedance of applicable regulatory standards, with the highest concentrations generally occurring in the eastern portion of the Site.

1.1 Report Organization

This RIR details the findings of the RI tasks completed by Tenen in February 2021, March 2021, July 2021, February 2022, and May 2022, 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 DER-10 Section 3.13(c), the electronic data summary (EDS), including results of all analyses associated with the RI was submitted to NYSDEC on August 8, 2022 and accepted by NYSDEC as complete on September 15, 2022. Data usability summary reports (DUSRs) and laboratory deliverables for all samples collected during the RI are included in Appendix B.

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 2921 Westchester Avenue in the Pelham Bay neighborhood of the Bronx, New York. The Site is defined as an approximate 1,415 square foot (SF) vacant tenant space which is a portion of an irregularly shaped parcel, identified by the New York City Department of Finance as Block 4164, Lot 5. The Site is located on the west side of Westchester Avenue, between Pilgrim Avenue and Buhre Avenue, in Bronx Community Board 10 and was historically occupied by a dry cleaner.

Lot 5 is improved with one two-story commercial building with a partial basement. The building contains multiple commercial tenant spaces, currently occupied by a cell phone store and a home goods store. The Site was historically occupied by a dry cleaner and, most recently, a tutoring and after-school center. Basements extend beneath the entirety of the Site and directly adjacent vacant and cell phone store tenant spaces. These basement spaces share a common slab, but are separated by walls. The northwestern portion of the home goods store footprint contains a small sub-cellar consisting of a boiler room, and the remainder of the home goods store footprint consists of a slab-on-grade. The commercial layout and cellar layout of the Site lot are depicted on Figure 2. The Site consists of one vacant tenant space within the building and the portion of the basement directly below. The Site is zoned R7-1, denoting a medium density apartment house district, with a C2-2 commercial overlay. The area surrounding the Site is predominantly commercial and residential.

2.2 Site Characteristics

Site Topography
The surface topography is relatively flat and gently slopes to the west. Based on the U.S. Geological Survey (Flushing, New York Quadrangle) topographic map, the property lies at an elevation of approximately 45 feet above mean sea level (ft-msl).

Site Geology and Hydrogeology
The overburden at the Site is composed predominantly of native dense, fine silty sands extending to bedrock (approximately 3 to 4 ft-bbg). Historic fill material consisting of poorly graded sand with silt, gravel, and brick debris was detected in some borings at depths up to 3 ft-bbg. Bedrock consists of schist and perched water is present above the bedrock. Perched water was detected at depths ranging from 7.61 to 9.22 ft-bsg and 0 to 0.22 ft-bbg in permanent groundwater wells. Groundwater in a bedrock well was encountered at approximately 0.14 ft-bbg. The shallow groundwater flow has been measured to be toward the north with an eastern component, as shown in Figures 5a and 5b.

Previous investigations at the Site have documented groundwater concentrations of contaminants above the NYSDEC TOGS 1.1.1 Class GA Ambient Water Quality Standards and Guidance Values (Class GA Standards) in perched groundwater. 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 Historical Operations

Lot 5 was initially developed sometime prior to 1950 with the existing two-story building with a partial basement. The Site operated as a dry cleaning facility from circa 1988 to circa 2000. Following the cessation of dry cleaning operations, the Site was occupied for approximately five years by a home goods store and then as a tutoring and after-school facility until early 2020. As noted, the Site is currently vacant.

2.4 Regulatory Interaction

Ralford Realty Corp. entered into the Brownfield Cleanup Program as a Participant on October 5, 2020 via the execution of a BCA with NYSDEC. A RIWP, including a Citizen Participation Plan (CPP) and Health and Safety Plan was submitted to NYSDEC in July 2020. In accordance with the CPP, public notices announcing the availability of the RIWP for public comment were distributed to the Site contact list and posted in local English and Spanish newspapers. The public comment period ended on September 25, 2020 and the RIWP was subsequently approved by NYSDEC in February 2021.

3.0 PREVIOUS ENVIRONMENTAL INVESTIGATIONS

In 2019 and 2020, two environmental investigations were conducted at the Site, and are summarized below:

- *Phase II Environmental Site Assessment, 2925 Westchester Avenue, Bronx, New York,* Castleton Environmental, August 2019.
- *Due Diligence Investigation Letter Report, 2921 Westchester Avenue, Bronx, New York,* Tenen Environmental, LLC, May 2020.

The findings of the above investigations are summarized below. Previous groundwater, soil, and soil vapor/indoor air results are shown on RIWP Figures 6 through 8, respectively (Appendix A). The referenced reports are included in RIWP Appendix A. Not all reports originally contained laboratory deliverables; in these cases, the laboratory deliverables are provided as addenda. The previous soil, groundwater, and indoor air data collected as part of the 2020 Due Diligence Investigation has been provided in Category B deliverables and a data usability summary report (DUSR) has been provided in Appendix B.

***Phase II Environmental Site Assessment, 2921 Westchester Avenue, Bronx, New York,* Castleton Environmental, August 2019.**

A Phase II Environmental Site Assessment (ESA) was completed at the Site by Castleton Environmental in 2019 as part of a prospective purchaser's due diligence to investigate the potential for contamination associated with the historical use of the Site for dry cleaning. The Phase II ESA included the advancement of five soil borings, the collection of three soil samples, the installation of three temporary well points, the collection of three groundwater samples, the installation of three temporary soil vapor points, and the collection of three sub-slab soil vapor samples.

<u>Soil Results</u>
Results of the soil sampling indicated concentrations of several chlorinated volatile organic compounds (cVOCs), specifically tetrachloroethene (PCE), trichloroethene (TCE), and cis-1,2-dichloroethene (cis-1,2-DCE), in exceedance of their respective NYSDEC 6 NYCRR Part 375-6.8(a) Unrestricted Use (UU) Soil Cleanup Objectives (SCOs) and Part 375-6.8(b) Protection of Groundwater (PGW) SCOs in one of three samples collected.

<u>Groundwater Results</u>
Results of the groundwater sampling indicated concentrations of several cVOCs, specifically PCE, TCE, and cis-1,2-DCE, in exceedance of their NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values (Class GA Standards) in all three samples collected.

<u>Soil Vapor Results</u>
Results of the sub-slab soil vapor sampling indicated elevated concentrations of several cVOCs, specifically PCE, TCE, and cis-1,2-DCE, in two of three samples collected.

***Due Diligence Investigation Letter Report, 2921 Westchester Avenue, Bronx, New York,* Tenen Environmental, LLC, May 2020**

A Due Diligence Investigation was conducted on and off the Site by Tenen between September 2019 and February 2020 to further investigate the contamination identified in soil, groundwater, and soil vapor in Castleton's Phase II ESA so as to provide additional information to assist in the

sale of the Site. Soil, groundwater, and indoor air sampling was completed by Tenen to further investigate the presence of chlorinated solvents in soil and groundwater at the Site and to determine if a potential soil vapor intrusion condition exists. The DDI consisted of the advancement of ten soil borings, the collection of 22 onsite soil samples and one offsite soil sample, the installation of three permanent groundwater monitoring wells (one onsite and two offsite), the collection of three groundwater samples, and the collection of two onsite indoor air samples (first floor and basement) and three offsite indoor air samples (separate tenant spaces within the building on Lot 5). A well survey was conducted at the Site as part of this investigation and groundwater was determined to flow to the south-southwest. Groundwater contour maps are included as Figures 5a and 5b.

Soil Results

Soil results were compared to NYSDEC PGW and RCU SCOs as listed in 6 NYCRR Part 375-6.8(b) and the October 21, 2010 NYSDEC DEC Policy CP-51. The PGW SCOs are used as a screening value for potential groundwater impacts and the RCU SCOs are consistent with the current and assumed future use of the Site.

All VOCs and metals were detected below the PGW and RCU SCOs in offsite soil sample MW-1 (16-18). All VOCs were detected below RCU SCOs in soil samples collected onsite.

PCE was detected in exceedance of its PGW SCO from 0-1 ft-bbg in soil delineation boring SB-5 (concentration 3.2 mg/kg), SB-5-N (concentration 34 mg/kg), SB-5-S (concentration 1.7 mg/kg), SB-5-W (concentration 20 mg/kg), and SB-5-W2 (concentration 8.1 mg/kg). PCE was detected at a low concentration below the PGW SCO from 0-1 ft-bbg in soil delineation boring SB-5-E. PCE was detected in exceedance of its PGW SCO from 1-2 ft-bbg in soil delineation borings SB-5-N (concentration 22 mg/kg) and SB-5-W (concentration 16 mg/kg). PCE was detected at low concentrations below the PGW SCO from 1-2 ft-bbg in soil delineation borings SB-5, SB-5-S, and SB-5-W2.

PCE was detected in exceedance of its PGW SCO from 2-3 ft-bbg in soil delineation boring SB-5-W, only (concentration 7 mg/kg). PCE was detected at low concentrations below the PGW SCO from 2-3 ft-bbg in soil delineation borings SB-5, SB-5-N, and SB-5-S. PCE was also detected at a low concentration below the PGW SCO from 3-4 ft-bbg in soil delineation boring SB-5.

Concentrations of cis-1,2 DCE and TCE were detected in exceedance of their respective PGW SCO in five samples collected from three borings: SB-5(0-1ft); SB-5-N(0-1 ft, 1-2 ft and 2-3 ft); and SB-5-W(0-1ft)

Groundwater Results

Groundwater results were compared to NYSDEC TOGS Class GA Standards.

Results of the groundwater sampling indicated concentrations of chlorinated solvents, specifically PCE, TCE, and cis-1,2-DCE in exceedance of Class GA Standards in the groundwater sample collected from the basement of the Site. PCE was detected at a concentration of 470 micrograms per liter (ug/l); TCE was detected at a concentration of 79 ug/l; and, cis-1,2-DCE was detected at a concentration of 210 ug/l. PCE, TCE and cis-1,2-DCE all have a Class GA Standard of 5 ug/l.

All cVOCs were detected below the Class GA Standards in the two offsite, permanent monitoring well samples.

Indoor Air Results

Indoor air results were compared to the NYSDOH Air Guidance Values (AGVs) as presented in the NYSDOH Soil Vapor Guidance, October 2006 with May 2017 updates and the Environmental Protection Agency (EPA) Vapor Intrusion Screening Limits (VISL), Commercial Target Indoor Air Concentrations (TIAC).

Results of the indoor air sampling indicated that concentrations of VOCs were not detected in exceedance of NYSDOH AGVs in any onsite or offsite indoor air samples collected. However, low concentrations of cVOCs were detected in all five indoor air samples collected, with the highest concentrations generally occurring in the sample collected from the basement of the Site.

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 C.

The field activities were conducted between February 15, 2021 and May 26, 2022.

Analytical results for soil, groundwater, sub-slab soil vapor, and indoor air were compared to the following:

- Soil – NYSDEC Restricted Protection of Groundwater and Restricted Commercial Use Soil Cleanup Objectives (SCOs) and proposed Restricted Protection of Groundwater and Restricted Commercial Use SCOs as listed in NYSDEC's June 2021 Guidelines for Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Under NYSDEC's Part 375 Remedial Programs (PFAS Guidelines) for perfluorooctanoic acid (PFOA) and perfluorooctanesulfonic acid (PFOS).
- Groundwater – NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1 Class GA Water Quality Standards and Guidance Values (Class GA Standards) and NYSDEC PFAS Guidelines.
- Sub-slab soil vapor and co-located indoor air –NYSDOH Guidance for Evaluating Soil Vapor Intrusion, with revisions (SVI Guidance).
- Indoor air – NYSDOH Air Guideline Values (AGVs).
- Exterior soil vapor – ambient (background) air concentrations.

All sampling locations are depicted on Figures 3 and 4.

4.1 Soil Sampling

4.1.1 Soil Sampling Scope of Work

The soil investigation described in the RIWP included the advancement of 17 soil borings to further investigate previously detected contamination in the soil, and vertically and horizontally delineate its extent across the Site.

A subsurface soil investigation was performed on February 15 and 16, 2021 and February 18, 2022; the scope of work consisted of the following:

- Installation of 14 soil borings to bedrock (approximately 3 ft-bbg) within the Site basement to complete the northern and western horizontal and vertical delineation of the cVOC hot spot identified in previous investigations and complete characterization of the Site to the east, south, and southwest;
- Installation of three soil borings offsite to assess offsite soil conditions. One soil boring was installed to 13 ft-bsg within the eastern sidewalk of Pilgrim Avenue, one soil boring was installed to 15 ft-bsg within the western sidewalk of Westchester Avenue, and one soil boring was installed to 15 ft-bsg within the home goods store tenant space;
- Collection of ten soil samples (two from each characterization boring) from five soil characterization borings advanced east, south, and southwest within the Site basement (SB-

2, SB-3, SB-11, SB-12, and SB-13). Soil samples were collected from the two-foot interval directly below the basement slab and the one-foot interval directly above bedrock;

- Collection of 27 soil samples from nine soil delineation borings advanced within the Site basement to the north, west, south, and southwest (SB-1, SB-4 through SB-9, SB-14, and SB-15). Soil delineation samples were collected from each one-foot interval of the soil column, from directly below the basement slab to the top of bedrock (approximately 3 ft-bbg). Two soil delineation samples were analyzed from each boring location, with the exception of SB-14 and SB-15;
- Collection of one soil sample (one from each offsite boring) from the two-foot interval above the groundwater interface;
- Analyzed soil samples collected onsite for full scan Part 375 analytes, 1,4-dioxane, and PFAS; and
- Analyzed soil samples collected offsite for Part 375 VOCs.

4.1.2 Soil Sampling Methodology

A manual sampling hammer was used to advance all onsite soil borings (SB-1 through SB-9 and SB-11 through SB-15). A direct-push Geoprobe® was used to advance all offsite soil borings (SB-10, SB-16, and SB-17). The sampling methodology is detailed below.

In general, selected soil intervals were screened between grade and the terminal depth of the boring, ranging from 3 ft-bbg to 15 ft-bsg. 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 D]. 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.

For each soil delineation boring (SB-1, SB-4 through SB-9, SB-14, and SB-15) samples were collected from each one-foot interval of the soil column, from directly below the basement slab to the top of bedrock (approximately 3 ft-bbg). A minimum of two soil samples were analyzed from each soil delineation boring, with the exception of SB-14 and SB-15. All other samples were placed on hold. If an analyzed sample contained concentrations of cVOCs in excess of applicable standards, then the next interval was analyzed (VOCs, only) until a clean interval was reached. For each characterization boring (SB-2, SB-3, and SB-11 through SB-13), soil samples were collected from the two-foot interval directly below the basement slab and the one-foot interval directly above bedrock. For the offsite soil borings, one soil sample was collected from the two-foot interval directly above the groundwater 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 NYSDOH Environmental Laboratory Accreditation Program (ELAP)-certified analytical laboratory. All onsite soil samples were analyzed for TCL VOCs, TCL SVOCs, pesticides, herbicides, polychlorinated biphenyls (PCBs), TAL Metals, total cyanide, trivalent and hexavalent chromium, 1,4-dioxane, and PFAS with a Category B deliverable package. All offsite soil samples were analyzed for TCL VOCs only with a Category B deliverable package.

The table below summarizes the sample designations of all analyzed samples, locations and depths.

Sample Designation (depth in ft-bbg or ft-bsg)	Soil Boring Type	Sample Location
SB-1 (0-1)	Onsite Delineation Boring	Site Basement
SB-1 (2-3)		
SB-2 (0-2)	Onsite Characterization Boring	
SB-2 (2-3)		
SB-3 (0-2)		
SB-3 (0-2)_DUP[1]		
SB-3 (2-3)		
SB-4 (1-2)	Onsite Delineation Boring	
SB-4 (2-3)		
SB-5 (1-2)		
SB-5 (2-3)		
SB-6 (1-2)		
SB-6 (2-3)		
SB-7 (1-2)		
SB-7 (2-3)		
SB-8 (1-2)		
SB-8 (2-3)		
SB-9 (0-1)		
SB-9 (2-3)		
SB-10 (2.5-4.5)	Offsite Characterization Boring	Eastern Sidewalk of Pilgrim Avenue, Adjacent to Site
SB-11 (0-2)	Onsite Characterization Boring	Site Basement
SB-11 (2-3)		
SB-12 (0-2)		
SB-12 (0-2)_DUP[1]		
SB-12 (2-3)		
SB-13 (0-2)		
SB-13 (2-3)		
SB-16 (6-8)	Offsite Characterization Boring	Home Goods Store Tenant Space
SB-16 (6-8)_DUP[1]		
SB-17 (6-8)		Western Sidewalk of Westchester Avenue, Northeast of the Site

[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 determine the extent of impacts and potential for exposure to Site contaminants by way of the soil vapor intrusion pathway both on- and offsite and to develop information needed for the qualitative exposure assessment.

Sub-slab soil vapor and indoor air sampling was conducted on March 4, 2021 and February 24, 2022, during the heating season. Exterior soil vapor sampling was conducted on July 20, 2021. The scope of work for the sampling events consisted of the following:

- Installation of 13 sub-slab soil vapor points within the building on Lot 5. Two soil vapor sample probes (SS-1 and SS-2) were installed within the Site basement, two (SS-4 and SS-6) were installed within the northern adjoining basement (cell phone store), two (SS-3 and SS-7) were installed within the southern adjoining basement (barber shop), one (SS-5) was installed within the basement of the home goods store to the northwest of the Site, and six (TI-SS-1 through TI-SS-6) were installed within the slab-on-grade portion of the home goods store, to the north of the Site. The soil vapor sample probes were installed within the lowest building level no more than two inches below the building slab.
- Installation of three exterior soil vapor points (SV-1 through SV-3) in sidewalks surrounding the Site to a depth of ten ft-bsg to assess offsite soil vapor conditions. Two soil vapor points were installed within the western sidewalk of Pilgrim Avenue adjacent to residential buildings and one soil vapor point was installed within the eastern sidewalk of Westchester Avenue adjacent to a residential building. Due to elevated perched water levels which caused the soil vapor points to draw water while purging, all three exterior soil vapor points were over-drilled and reinstalled to a depth of three ft-bsg approximately five months after installation;
- Purging and collection of sub-slab soil vapor samples at offsite locations SS-3, SS-5, SS-7, and TI-SS-1 through TI-SS-6 over a period of eight hours;
- Purging and collection of exterior soil vapor samples SV-1 through SV-3 over a period of two hours;
- Collection of 13 indoor air samples over a period of eight hours;
- Collection of three ambient air samples over a period of eight hours (one for each sampling event); and,
- Analysis of soil vapor, indoor air, and ambient air samples for TO-15 VOCs.

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 hammer drill with a concrete drill bit. Access to the sub-slab soil was gained by drilling through the top surface material (concrete) 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 permanent exterior soil vapor sampling probes to ten ft-bsg. Due to elevated perched water levels which caused the soil vapor sampling probes to pull water during purging, the exterior soil vapor sampling probes were over-

drilled and reinstalled to three ft-bsg with a hand held hammer drill approximately five months after initial installation. Access to the subsurface soil was gained by drilling through the concrete surface using a drill bit. 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 sub-slab soil vapor and exterior soil vapor sampling probes were connected to 3/8-inch diameter tubing to the surface. The borehole above the sub-slab soil vapor and exterior soil vapor sampling probes to grade were 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 sub-slab and exterior soil vapor samples were screened for organic vapors using a PID. Sub-slab soil vapor samples were collected in 6-liter batch-certified clean Summa canisters using eight-hour regulators and exterior soil vapor samples were collected in 2.7-liter batch-certified clean Summa canisters using two-hour regulators. 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, vacuum of canisters before and after the samples were collected, apparent moisture content of the sampling zone, and chain of custody protocols. Soil vapor sampling logs are included in Appendix F.

Helium tracer gas was used as a quality assurance/quality control (QA/QC) measure to verify the integrity of the sub-slab soil vapor and exterior soil vapor probe seals. 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 the breathing zone, approximately three to five feet above the floor. All indoor air samples and the ambient air sample were collected in 6-liter individually-certified clean Summa canisters using eight-hour regulators. The sampling flow rate did not exceed 0.2 L/min.

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 with a Category B deliverable package.

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:

- One permanent bedrock monitoring well (BW-1) was installed within the onsite basement approximately five feet into bedrock to assess groundwater conditions within bedrock

fractures. The overburden was cased off from the underlying bedrock during well installation to prevent downward migration of cVOC impacts into bedrock fractures;

- One permanent groundwater monitoring well (MW-4) was installed within the onsite basement concurrent with soil boring SB-9 and was seated above bedrock (approximately 3 ft-bbg) to further investigate onsite groundwater conditions and the potential for offsite migration of cVOC impacts;
- One permanent groundwater monitoring well (MW-5) was installed within the northern adjoining basement via drill and drop without a soil boring and was seated above bedrock (approximately 3 ft-bbg) to assess offsite and downgradient groundwater conditions;
- Three permanent groundwater monitoring wells (MW-6, MW-7, and MW-8) were installed offsite, concurrent with soil boring SB-10, SB-16, and SB-17, respectively. MW-6 was installed in the eastern sidewalk of Pilgrim Avenue and was seated above bedrock (13 ft-bsg) to assess offsite and upgradient groundwater conditions; MW-7 was installed within the home goods store tenant space and was set at 15 ft-bsg; and, MW-8 was installed in the western sidewalk of Westchester Avenue and was set at 15 ft-bsg;
- Gauged and collected groundwater samples from six newly installed (MW-4 through MW-8 and BW-1) and three existing (MW-1 through MW-3) groundwater monitoring wells;
- Groundwater samples were analyzed for full scan Part 375 analytes, 1,4-dioxane, and PFAS; and,
- Newly installed wells MW-4, MW-5, MW-6, and BW-1 were surveyed.

4.3.1 Groundwater Well Installation and Sampling

As previously described, four soil borings (one onsite and three offsite) were converted into permanent groundwater monitoring wells, one offsite permanent groundwater well was drilled continuously without the collection of soil, and one onsite permanent bedrock monitoring well was drilled continuously without the collection of soil. Three permanent monitoring wells (MW-4 through MW-8) 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 or to the top of the slab. MW-4, installed within the Site basement, was constructed of three feet of 0.02 slot screen; MW-5, installed within the north adjoining basement, was constructed of 3.5 feet of 0.02 slot screen; MW-6, MW-7, and MW-8, installed in sidewalks surrounding the Site and the slab-on-grade portion of the home goods store tenant space, were constructed of approximately ten feet of 0.02 slot screen and finished with three feet (MW-6) or five feet (MW-7 and MW-8) of PVC riser; and BW-1, installed in the Site basement, was constructed of approximately five feet of 0.02 slot screen and 1.5 feet of riser. MW-4 and MW-5 were installed using a hand auger; MW-6, MW-7, and MW-8 were installed using a direct-push track-mounted Geoprobe®; and, BW-1 was installed using a combination of hand auger and a coring machine. For BW-1, the overburden was cased off from the underlying bedrock to prevent the downward migration of cVOC impacts into the bedrock fractures.

All wells were developed following installation by pumping at least three well volumes of water out using dedicated high density polyethylene (HDPE) tubing and a peristaltic pump. MW-5, MW-7, MW-8, and BW-1 were sampled approximately one week after development and MW-4 and MW-6 were sampled approximately two weeks 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 10-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 E.

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). Groundwater samples collected from monitoring wells MW-1 through MW-6 and BW-1 were analyzed for TCL VOCs, TCL SVOCs, pesticides, herbicides, PCBs, TAL Metals (total and dissolved), total cyanide, trivalent and hexavalent chromium, 1,4-dioxane and PFAS with a Category B deliverable package. Groundwater samples collected from monitoring wells MW-7 and MW-8 were analyzed for TCL VOCs with a Category B deliverable package. Development and purge water was containerized onsite for disposal.

Newly installed groundwater monitoring wells MW-4, MW-5, MW-6, and BW-1 were surveyed to an assumed local datum on February 23, 2021. Two rounds of depth to water measurements were collected during the RI: February 23, 2021 from MW-1 through MW-6 and BW-1 to include the newly installed groundwater monitoring wells installed as part of the RI in the groundwater flow calculations and March 4, 2021 from MW-1 through MW-6 and BW-1 to confirm the findings of the flow direction calculated from the February 23 data. Groundwater contour maps are included as Figures 5a and 5b.

The table below summarizes the sampling designations and locations.

Sample Designation	Onsite or Offsite	Sample Location
MW-1	Offsite	Eastern sidewalk of Pilgrim Avenue, northwest of the Site
MW-2		Eastern sidewalk of Pilgrim Avenue, south of the Site
MW-3	Onsite	Site basement, eastern portion
MW-4		Site basement, western portion
MW-5	Offsite	North adjoining basement (cell phone store)
MW-6		Eastern sidewalk of Pilgrim Avenue, west of the Site
MW-7		Home goods store tenant space
MW-8		Western sidewalk of Westchester Avenue, northeast of the Site
BW-1	Onsite	Site basement, eastern portion

4.4 Quality Assurance / Quality Control (QA/QC)

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

4.5 Interim Remedial Measures

In order to mitigate potential exposure of cVOCs to occupants of the Site building, AirPura carbon air purifying canisters were installed within the ground floors of the occupied tenant spaces (home goods store and cell phone store). The canisters were installed by Tenen on March 31, 2022. The

specification sheet for the canisters is included in Appendix G. Indoor air sampling to confirm the efficacy of the canisters will be performed as part of the Remedial Action. The indoor air sampling plan will be detailed in the Remedial Action Work Plan.

4.6 Deviations from the RIWP

1. The approved RIWP indicated seven soil delineation borings would be installed in the Site basement (SB-1 and SB-4 through SB-9). In response to field conditions (elevated PID readings in soil delineation borings SB-5 and SB-6), two additional soil delineation borings (SB-14 and SB-15) were installed in the Site basement.
2. The approved RIWP indicated one groundwater sample would be collected from monitoring well MW-5. Due to elevated concentrations of cVOCs detected in monitoring well MW-5, an additional sample was collected approximately one week after the initial sample and analyzed for VOCs only to confirm the results of the first sample.
3. The approved RIWP indicated two sub-slab soil vapor samples (SS-1 and SS-2) would be collected from the Site basement and two sub-slab soil vapor samples (SS-4 and SS-6) would be collected from the northern adjoining basement. While purging ambient air from the aforementioned sub-slab soil vapor locations on February 23, 2021, the vacuum pump drew water from all but SS-6. On the same date, perched water levels were noted to be 2 to 6 feet higher in existing monitoring wells MW-1 and MW-2 than previously recorded in October 2019. The heightened water table is assumed to be due to the record snowfalls in New York City during the month of February, 2021, and subsequent melting. The soil vapor and indoor air sampling event was postponed to March 4, 2021 to allow water levels to stabilize. Upon returning to Site on March 4, perched water levels were found to still be high and water was drawn from sub-slab soil vapor points SS-1, SS-2, SS-4, and SS-6 while purging the ambient air and samples could therefore not be collected. Indoor air samples were collected at the sub-slab soil vapor point locations without co-located sub-slab soil vapor samples. Tenen returned to the Site on July 14 and July 20, 2021 and perched water was still encountered directly below the basement slab, preventing sub-slab soil vapor points SS-1, SS-2, SS-4, and SS-6 from being collected.
4. The approved RIWP indicated that three exterior soil vapor points (SV-1 through SV-3) would be collected at ten ft-bsg from sidewalks surrounding the Site. While purging ambient air from the aforementioned soil vapor locations on March 4, 2021, the vacuum pump drew water from all three locations. Tenen returned to the Site on July 14, 2021 to attempt to collect the exterior soil vapor samples, but all three locations again drew water while purging the ambient air. Tenen over-drilled and reinstalled all three soil vapor points to three ft-bsg on July 20, 2020 and collected samples from all three points on the same day. The change in depth for the exterior soil vapor points was approved by NYSDEC in an email dated July 16, 2020.
5. In a conference call with NYSDEC and NYSDOH on September 22, 2021, NYSDEC requested additional monitoring wells (MW-7 and MW-8) be installed within the home goods store tenant space and the western sidewalk of Westchester Avenue. In addition, NYSDOH requested that additional sub-slab soil vapor and co-located indoor air sampling be performed within the home goods store tenant space. On February 18, 2022, Tenen remobilized to the Site and installed offsite monitoring wells MW-7 and MW-8. On February 24, 2022, Tenen collected groundwater samples MW-7 and MW-8, sub-slab soil vapor samples TI-SS-1 through TI-SS-6, co-located indoor air samples TI-IA-1 through TI-IA-6, and ambient air sample AA-3.

6. In a conference call with NYSDEC and NYSDOH on March 17, 2022, NYSDEC requested an additional monitoring well, MW-9, be installed within the home goods store tenant space, north of the Site. On May 26, 2022, Tenen remobilized to the Site and attempted to install MW-9. Due to access constraints, MW-9 had to be installed with a remote (constructed-in-place) drill rig. Refusal was encountered at approximately six ft-bsg and monitoring well MW-9 was abandoned.

5.0 INVESTIGATION RESULTS

This section provides a discussion of the results of the February 2021, March 2021, July 2021, February 2022, and May 2022 RI soil, groundwater and soil vapor investigations. Sample results are included in Tables 1 through 4. All results are summarized in Figures 6 through 9 and laboratory deliverables are included in Appendix B.

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

- Soil – NYSDEC Restricted Protection of Groundwater SCOs and Restricted Commercial Use SCOs for all Part 375 analytes and 1,4-dioxane and proposed Restricted Protection of Groundwater and Restricted Commercial Use SCOs as listed in NYSDEC's PFAS Guidelines for PFAS.
- Groundwater – NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1 Class GA Water Quality Standards and Guidance Values (Class GA Standards) and NYSDEC PFAS Guidelines.
- Sub-slab soil vapor and co-located indoor air – New York State Department of Health (NYSDOH) Guidance for Evaluating Soil Vapor Intrusion, with revisions (SVI Guidance)
- Indoor air – NYSDOH Air Guideline Values (AGVs)
- Exterior soil vapor – ambient (background) air concentrations

5.1 Field Observations

Soil

Shallow soil samples collected throughout the Site generally consisted of some fill material containing brick fragments with brown fine to coarse grained silty sand extending to bedrock. In the offsite soil borings, the fill material extended to depths ranging from approximately 3 to 5 ft-bsg and was underlain by a layer of brown, fine grained clayey sand approximately seven to ten feet thick. The clayey sand layer was underlain by brown to gray, fine to coarse grained sand with silt to bedrock (approximately 13 ft-bsg) in SB-10. In SB-17, the fill layer was underlain by a layer of silt approximately ten feet thick. No petroleum odors or staining were noted in any soil borings. Soil boring logs from the remedial investigation are included in Appendix D.

Groundwater

The depth to groundwater was measured from top of casing in monitoring wells MW-1 through MW-8 and BW-1. The measured depth to groundwater ranged from 0 ft-bbg in MW-5 (basement) to 9.22 ft-bsg in MW-6 (sidewalk). No sheen was observed during groundwater sampling. Depth to water and water quality measurements are summarized in Appendix E. Based on the results of the well survey, groundwater flow is generally to the north with an eastern component. Groundwater contour maps are included as Figures 5a and 5b. A well survey is included in Appendix E.

Soil Vapor

PID readings in sub-slab soil vapor were 0.1 parts-per-million (ppm) in SS-3. PID readings in exterior soil vapor were 9.1 ppm in SV-2 and 23 ppm in SV-1. PID readings at SS-5, SS-7, SV-3, and TI-SS-1 through TI-SS-6 were non-detect.

5.2 Analytical Results

5.2.1 Soil

A total of 27 soil samples and three duplicates were collected from varying intervals at the 17 boring locations shown on Figure 3. All soil samples collected from onsite were analyzed for TCL VOCs, TCL SVOCs, pesticides, herbicides, PCBs, TAL metals, total cyanide, trivalent/hexavalent chromium, 1,4-dioxane, and PFAS. All offsite soil samples were analyzed for TCL VOCs only.

Sample results were compared with the New York State Part 375 Restricted Protection of Groundwater SCOs and Restricted Commercial Use SCOs. The soil analytical results are discussed below. Soil analytical results in excess of SCOs are depicted on Figure 6.

VOCs

The cVOC tetrachloroethene (PCE) was detected in two samples, SB-9 (0-1) and SB-12 (0-2), in exceedance of its Protection of Groundwater SCO, but below its Restricted Commercial Use SCO. PCE was detected at a max. concentration of 8.7 milligrams per kilogram (mg/kg) in SB-12 (0-2) with a Protection of Groundwater SCO of 1.3 mg/kg. In addition, trichloroethene (TCE) and cis-1,2-dichloroethene (cis-1,2-DCE), both breakdown products of PCE, were also detected in exceedance of their respective Protection of Groundwater SCOs, but below their Restricted Commercial Use SCOs, in SB-9 (0-1) and SB-12 (0-2). TCE was detected at a max. concentration of 1.2 mg/kg in SB-9 (0-1) with a Protection of Groundwater SCO of 0.47 mg/kg and cis-1,2-DCE was detected at a max. concentration of 1.4 mg/kg in SB-9 (0-1) with a Protection of Groundwater SCO of 0.25 mg/kg. It should be noted that PCE, TCE, and cis-1,2-DCE were not detected in exceedance of its Protection of Groundwater SCO in the duplicate sample, SB-12 (0-2)_DUP. PCE was detected at a concentration of 0.0029 mg/kg, TCE was detected at a concentration of 0.0031 mg/kg, and cis-1,2-DCE was detected at a concentration of 0.037 mg/kg in the duplicate sample. The cVOC vinyl chloride was detected slightly in exceedance of its Protection of Groundwater SCO of 0.02 mg/kg, but below its Restricted Commercial Use SCO, in one sample, SB-2 (0-2) (concentration of 0.024 mg/kg). No other cVOCs were detected in exceedance of Protection of Groundwater or Restricted Commercial Use SCOs in any samples analyzed.

One petroleum-related VOC, 2-butanone, was detected in three samples collected from two borings, SB-4 and SB-5, in exceedance of its Protection of Groundwater SCO, but below its Restricted Commercial Use SCO. 2-Butanone was detected at a max. concentration of 0.19 mg/kg in SB-5 (1-2) with a Protection of Groundwater SCO of 0.12 mg/kg. No other petroleum-related VOCs were detected in exceedance of Protection of Groundwater or Restricted Commercial Use SCOs in any samples analyzed.

The VOC acetone was detected in exceedance of its Protection of Groundwater SCO, but below its Restricted Commercial Use SCO, in two samples. Acetone was detected at a max. concentration of 0.58 mg/kg in SB-9 (0-1) with a Protection of Groundwater SCO of 0.05 mg/kg. Acetone is a common laboratory contaminant. No other VOCs were detected in exceedance of Protection of Groundwater or Restricted Commercial Use SCOs in any samples analyzed.

SVOCs

SVOCs were not detected in exceedance of Protection of Groundwater or Restricted Commercial Use SCOs in any soil samples analyzed.

Pesticides, Herbicides, and PCBs
Pesticides, herbicides, and PCBs were not detected in exceedance of Protection of Groundwater or Restricted Commercial Use SCOs in any soil samples analyzed.

Metals
Metals were not detected in exceedance of Protection of Groundwater or Restricted Commercial Use SCOs in any soil samples analyzed.

Emerging Contaminants (1,4-Dioxane and PFAS)
In June 2021, NYSDEC released their Guidelines for Sampling and Analysis of PFAS Under NYSDEC's Part 375 Remedial Programs (PFAS Guidelines). The guidelines dictate that when potentially affected media samples are collected and analyzed for the standard target analyte list/target compound list (TAL/TCL) under a NYSDEC Part 375 remedial program, PFAS analysis must also be performed. This sampling protocol includes sampling soil and groundwater for 1,4-dioxane, PFOS, PFOA and other associated perfluorinated chemicals (PFCs) (collectively, PFAS).

24 soil samples and two duplicate samples were analyzed for 1,4-dioxane and PFAS. 1,4-dioxane was non-detect in all soil samples analyzed.

PFAS were not detected in exceedance of the proposed Protection of Groundwater or Restricted Commercial Use SCOs in any soil samples analyzed. Low concentrations of PFAS were detected in five samples and one duplicate sample, with the highest concentrations generally occurring in SB-12 (0-2). PFOS was detected at a max. concentration of 0.6 nanograms per gram (ng/g) and PFOA was detected at a max. concentration of 0.48 ng/g.

Summary of Soil Analytical Results

- The cVOC PCE and its breakdown products, TCE and cis-1,2-DCE, were detected in exceedance of Protection of Groundwater SCOs in two onsite soil samples, SB-9 (0-1) and SB-12 (0-2). The cVOC vinyl chloride was detected in exceedance of its Protection of Groundwater SCO in one soil sample, SB-2 (0-2). cVOCs were not detected in exceedance of Restricted Commercial Use SCOs in any soil samples analyzed.
- One petroleum-related VOC, 2-butanone, was detected in exceedance of its Protection of Groundwater SCO, but below its Restricted Commercial Use SCO, in three soil samples collected from two onsite boring locations.
- SVOCs, pesticides, herbicides, PCBs, TAL metals, 1,4-dioxane, and PFAS were not detected in exceedance of Protection of Groundwater or Restricted Commercial Use SCOs in any soil samples analyzed.

5.2.2 Groundwater
A total of eleven groundwater samples and two duplicate samples were collected from nine monitoring wells (MW-1 through MW-8 and BW-1). Six samples and one duplicate sample were analyzed for TCL VOCs, TCL SVOCs, pesticides, herbicides, PCBs, total cyanide, trivalent and hexavalent chromium, 1,4-dioxane, and PFAS, and two samples and one duplicate sample were analyzed for TCL VOCs only. The initial sample collected from MW-6 on March 4, 2021 was analyzed for TCL VOCs and TCL SVOCs only. A second sample was collected from MW-6 on July 14, 2021 and analyzed for TCL SVOCs, pesticides, herbicides, PCBs, total cyanide, trivalent and hexavalent chromium, 1,4-dioxane, and PFAS. A second sample was collected from MW-5 approximately one week after the first sample was collected and analyzed for TCL VOCs only.

Groundwater samples were collected using low-flow techniques. Analytical results were compared to the Class GA Standards and are discussed below. PFAS were compared to the NYSDEC PFAS Guidelines. Groundwater analytical results above Class GA Standards or the PFAS Guidelines are depicted on Figures 7a through 7d.

VOCs

A variety of cVOCs, specifically PCE, TCE, cis-1,2-DCE, vinyl chloride, and chloroform were detected in one or more groundwater samples in exceedance of Class GA Standards, with the highest concentrations generally occurring in offsite monitoring well MW-5. In general, concentrations of cVOCs in MW-5 were generally two to three orders of magnitude higher than the concentrations detected in any other of the monitoring wells. PCE was detected in seven samples collected from six wells and both duplicates in exceedance of its Class GA Standard of 5 ug/l (concentrations ranging from 23 ug/l in MW-3 to 42,000 ug/l in MW-5_RE); TCE was detected in six samples collected from five wells and both duplicates in exceedance of its Class GA Standard of 5 ug/l (concentrations ranging from 5.7 ug/l in BW-1 to 4,000 ug/l in MW-5_RE); cis-1,2-DCE was detected in six samples collected from five wells and both duplicates in exceedance of its Class GA Standard of 5 ug/l (concentrations ranging from 91 ug/l in BW-1 to 15,000 ug/l in MW-5); vinyl chloride was detected in four samples collected from three wells and one duplicate in exceedance of its Class GA Standard of 2 ug/l (concentrations ranging from 2.9 ug/l in MW-3 to 1,900 ug/l in MW-5); and chloroform was detected in the one sample and the duplicate in exceedance of its Class GA Standard of 7 ug/l (concentrations ranging from 22 ug/l in BW-1_DUP to 24 ug/l in BW-1). cVOC concentrations detected in the bedrock monitoring well were generally one order of magnitude lower than cVOC concentrations detected in the closest groundwater monitoring well, MW-3. cVOCs were not detected in exceedance of Class GA Standards in offsite up- and crossgradient monitoring wells MW-1, MW-2, and MW-6. No other VOCs were detected in exceedance of Class GA Standards in any groundwater samples analyzed.

SVOCs

A variety of SVOCs, specifically polyaromatic hydrocarbons (PAHs) were detected slightly in exceedance of Class GA Standards in two offsite groundwater samples, MW-2 and MW-6, and the field blank, with the highest concentrations occurring in the sample collected from MW-6 on March 4, 2021. Benzo(a)anthracene was detected at a max. concentration of 0.1 ug/l; Benzo(b)fluoranthene was detected at a max. concentration of 0.16 ug/l; benzo(k)fluoranthene was detected at a max. concentration of 0.04 ug/l; chrysene was detected at a max. concentration of 0.14 ug/l; and indeno(1,2,3-cd)pyrene was detected at a max. concentration of 0.09 ug/l. The Class GA Standard for all of the above analytes is 0.002 ug/l. One phthalate, bis(2-ethylhexyl)phthalate, was detected in one groundwater sample, MW-6, at a concentration of 11 ug/l, slightly in exceedance of its Class GA Standard of 5 ug/l. It should be noted that SVOCs were not detected in exceedance of Class GA Standards in the second sample collected from MW-6 on July 14, 2021. SVOCs were not detected in exceedance of Class GA Standards in any onsite groundwater samples or offsite groundwater samples MW-1 and MW-5. No other SVOCs were detected in exceedance of Class GA Standards in any groundwater samples analyzed.

Pesticides, Herbicides, and PCBs

No pesticides, herbicides, or PCBs were not detected above the Class GA Standards in any groundwater samples analyzed.

Metals, Total and Dissolved

One metal, antimony, was detected in total (unfiltered) groundwater samples in all three onsite monitoring wells and the duplicate sample in exceedance of its Class GA Standard. In addition, a

variety of metals, including chromium, lead, nickel, and thallium, were detected in the total (unfiltered) groundwater sample collected from offsite groundwater monitoring well MW-6 in exceedance of Class GA Standards. Total antimony was detected at a max. concentration of 16.91 ug/l in BW-1 with a Class GA Standard of 3 ug/l; total chromium was detected at a concentration of 275 ug/l in MW-6 with a Class GA Standard of 50 ug/l; total lead was detected at a concentration of 136.1 ug/l in MW-6 with a Class GA Standard of 25 ug/l; total nickel was detected at a concentration of 478.5 ug/l in MW-6 with a Class GA Standard of 100 ug/l; and total thallium was detected at a concentration of 1.24 ug/l in MW-6 with a Class GA Standard of 0.5 ug/l. Of these, antimony was also detected in six of seven dissolved (filtered) groundwater samples and the duplicate sample in exceedance of its Class GA Standard, and thallium was detected slightly in exceedance of its Class GA Standard in one dissolved (filtered) groundwater sample collected from offsite monitoring well MW-2. Dissolved antimony was detected at a max. concentration of 18.04 ug/l in BW-1 and dissolved thallium was detected at a concentration of 0.92 ug/l in MW-2.

Several naturally occurring earth metals were detected in all seven groundwater samples and the duplicate sample. Total iron was detected in four samples and the duplicate sample in exceedance of its Class GA Standard of 300 ug/l (max. 62,000 ug/l in MW-6); total magnesium was detected in four samples and the duplicate sample in exceedance of its Class GA Standard of 35,000 ug/l (max. 106,000 ug/l in MW-1); total manganese was detected in two samples in exceedance of its Class GA Standard of 300 ug/l (max. 1,055 ug/l in MW-6); and total sodium was detected in all seven samples and the duplicate sample in exceedance of its Class GA Standard of 20,000 ug/l (max. 1,730,000 ug/l in MW-2). Of these, iron, magnesium, manganese, and sodium also exceeded their respective Class GA Standards in one or more dissolved (filtered) groundwater samples. Dissolved iron was detected in one sample in exceedance of its Class GA Standard of 300 ug/l (concentration of 1,410 ug/l in MW-6); dissolved magnesium was detected in three samples and the duplicate sample in exceedance of its Class GA Standard of 35,000 ug/l (max. 152,000 ug/l in MW-1); dissolved manganese was detected in one sample in exceedance of its Class GA Standard of 300 ug/l (concentration of 940.4 ug/l in MW-5); and dissolved sodium was detected in all seven samples and the duplicate sample in exceedance of its Class GA Standard of 20,000 ug/l (max. 1,820,000 ug/l in MW-2). No other metals were detected in exceedance of Class GA Standards in any total (unfiltered) or dissolved (filtered) groundwater samples analyzed.

Emerging Contaminants (1,4-Dioxane and PFAAs)

Concentrations of PFAS in exceedance of the NYSDEC PFAS Guidelines were detected in six of seven groundwater samples and the duplicate sample. PFOA was detected in exceedance of its PFAS Guideline of 10 nanograms per liter (ng/l) in five samples and the duplicate sample (max. 447 ng/l in MW-3) and PFOS was detected in exceedance of its PFAS Guideline of 10 ng/l in five samples (max. 111 ug/l in MW-5). PFAS were not detected in exceedance of the PFAS Guidelines in offsite monitoring well MW-2 only.

1,4-dioxane was detected at low concentrations in two offsite groundwater monitoring wells, MW-1 and MW-5. 1,4-dioxane was detected at a max. concentration of 0.188 ug/l in MW-1. Currently, there is no Class GA Standard for 1,4-dioxane.

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).

Summary of Groundwater Analytical Results

- PCE was detected in all three onsite groundwater monitoring wells (MW-3, MW-4, and BW-1) and three offsite groundwater monitoring wells (MW-5, MW-7, and MW-8) at concentrations exceeding the Class GA Standard; TCE and cis-1,2-DCE were detected in two onsite groundwater monitoring wells (MW-3 and BW-1) and three offsite groundwater monitoring wells (MW-5, MW-7, and MW-8) in exceedance of Class GA Standards; vinyl chloride was detected in two onsite groundwater monitoring wells (MW-3 and BW-1) and one offsite groundwater monitoring well (MW-5) in exceedance of the Class GA Standard; and, chloroform was detected in the bedrock monitoring well, BW-1, in exceedance of the Class GA Standard. In general, the highest concentrations of cVOCs were detected in offsite and downgradient monitoring well MW-5. Concentrations of cVOCs detected in MW-5 were generally two to three orders of magnitude higher than all other groundwater samples.
- cVOC concentrations detected in the bedrock monitoring well, BW-1, were generally one order of magnitude lower than the closest groundwater monitoring well, MW-3.
- SVOCs, specifically PAHs, were detected slightly in exceedance of Class GA Standards in two offsite groundwater monitoring wells, MW-2 and MW-6.
- No pesticides, herbicides, or PCBs were detected above Class GA Standards in any groundwater samples analyzed.
- One metal, antimony, was detected in all three onsite total (unfiltered) groundwater samples (MW-3, MW-4, and BW-1) and the duplicate sample in exceedance of the Class GA Standard. In addition, a variety of metals, including chromium, lead, nickel, and thallium, were detected in one offsite total (unfiltered) groundwater sample (MW-6) in exceedance of Class GA Standards. Of these, antimony was also detected in six dissolved (filtered) groundwater samples and the duplicate sample in exceedance of the Class GA Standard and thallium was detected in one offsite dissolved (filtered) groundwater sample (MW-2).
- Naturally occurring earth metals, including iron, magnesium, manganese, and sodium were detected in total (unfiltered) and dissolved (filtered) groundwater samples across the Site and offsite.
- PFAS were detected in groundwater samples across the Site and offsite. PFOA was detected in exceedance of the PFAS Guideline in all three onsite groundwater monitoring wells (MW-3, MW-4, and BW-1) and in two offsite groundwater monitoring wells (MW-1 and MW-5). PFOS was detected in exceedance of the PFAS Guidelines in two onsite monitoring wells (MW-3 and MW-4) and three offsite monitoring wells (MW-1, MW-5, and MW-6). 1,4-Dioxane was detected at low concentrations in two offsite monitoring wells (MW-1 and MW-5).

5.2.3 Soil Vapor

Sub-slab soil vapor samples and co-located indoor air samples were collected at nine offsite locations: two from the former barber shop basement adjoining the Site to the south (SS-3/IA-8 and SS-7/IA-12); one from the home goods store basement to the northwest of the Site (SS-5/IA-10); and, six from the slab-on-grade portion of the home goods store to the north of the Site (TI-SS-1/TI-IA-1 through TI-SS-6/TI-IA-6).

Indoor air samples were collected at two onsite locations and two offsite locations: two from the Site basement (IA-6 and IA-7) and two from the cell phone store adjoining the Site to the north (IA-9 and IA-11). Exterior soil vapor samples were collected at three offsite locations in sidewalks surrounding the Site: two from the western sidewalk of Pilgrim Avenue (SV-1 and SV-2), adjacent to residential buildings, and one from the eastern sidewalk of Westchester Avenue (SV-3), adjacent to a residential building.

Three ambient air samples were collected, one during each sampling event (AA-1 during the first sub-slab soil vapor and indoor air sampling event, AA-2 during the exterior soil vapor sampling event, and AA-3 during the third sub-slab soil vapor and indoor air sampling event). Indoor air concentrations were compared to the SVI Guidance AGVs. Sub-slab soil vapor concentrations and associated co-located indoor air concentrations were compared to the SVI Guidance Matrices. All samples were analyzed for VOCs using USEPA method TO-15.

A variety of cVOCs included on the NYSDOH Matrices, including PCE, TCE, cis-1,2-DCE, vinyl chloride, carbon tetrachloride, 1,1,1-trichloroethane (1,1,1-TCA), methylene chloride, and 1,1-dichloroethene (1,1-DCE) were detected in one or more sub-slab soil vapor and indoor air samples. PCE was detected at all nine sub-slab soil vapor locations and all 13 indoor air locations; TCE was detected at six of nine sub-slab soil vapor locations and all 13 indoor air locations; cis-1,2-DCE was detected at four of nine sub-slab soil vapor locations and all 13 indoor air locations; vinyl chloride was detected at seven of 13 indoor air locations; carbon tetrachloride was detected at two of nine sub-slab soil vapor locations and all 13 indoor air locations; 1,1,1-TCA was detected at two of nine sub-slab soil vapor locations; methylene chloride was detected at seven of nine sub-slab soil vapor locations and seven of 13 indoor air locations; and, 1,1-DCE was detected at two of 13 indoor air locations.

PCE was detected in sub-slab soil vapor at concentrations ranging from 7.87 micrograms per cubic meter (ug/m3) in SS-5 (home goods store basement) to 277 ug/m3 in SS-3 (former barber shop) and in indoor air at concentrations ranging from 1.93 ug/m3 in IA-10 (home goods store basement) to 92.2 ug/m3 in IA-9 (cell phone store); TCE was detected in sub-slab soil vapor at concentrations ranging from 1.66 ug/m3 in TI-SS-3 (home goods store slab-on-grade) to 4.85 ug/m3 in TI-SS-1 (home goods store slab-on-grade) and in indoor air at concentrations ranging from 0.22 ug/m3 in IA-10 (home goods store basement) to 10.2 ug/m3 in IA-9 (cell phone store); cis-1,2-DCE was detected in sub-slab soil vapor at concentrations ranging from 1.78 ug/m3 in TI-SS-3 (home goods store slab-on-grade) to 6.78 ug/m3 in TI-SS-1 (home goods store slab-on-grade) and in indoor air at concentrations ranging from 0.337 ug/m3 in IA-10 (home goods store basement) to 20.7 ug/m3 in IA-9 (cell phone store); vinyl chloride was detected in indoor air at concentrations ranging from 0.077 ug/m3 in TI-IA-3 (home goods store slab-on-grade) to 0.637 in IA-9 (cell phone store); carbon tetrachloride was detected in sub-slab soil vapor at concentrations ranging from 5.2 ug/m3 in SS-3 (former barber shop) to 14.4 ug/m3 in SS-7 (former barber shop) and in indoor air at concentrations ranging from 0.409 ug/m3 in IA-10 (home goods store basement) to 0.535 ug/m3 in TI-SS-1 and TI-SS-4 (home goods store slab-on-grade); 1,1,1-TCA was detected in sub-slab soil vapor at concentrations ranging from 2.71 ug/m3 in SS-7 (former barber shop) to 3.03 ug/m3 in SS-3 (former barber shop); methylene chloride was detected in sub-slab soil vapor at concentrations ranging from 1.98 ug/m3 in TI-SS-6 (home goods store slab-on-grade) to 329 ug/m3 in TI-SS-4 (home goods store slab-on-grade) and in indoor air at concentrations ranging from 3.13 ug/m3 in IA-10 (home goods store basement) to 7,540 ug/m3 in TI-SS-2 (home goods store slab-on-grade); and, 1,1-DCE was detected in indoor air at concentrations ranging from 0.17 ug/m3 in TI-IA-2 (home goods store slab-on-grade) to 0.25 ug/m3 in TI-IA-1 (home goods store slab-on-grade).

TCE, cis-1,2-DCE, carbon tetrachloride, and 1,1-DCE are part of NYSDOH Matrix A; PCE, 1,1,1-TCA, and methylene chloride are part of NYSDOH Matrix B; and vinyl chloride is part of NYSDOH Matrix C. The concentrations of PCE, TCE, cis-1,2-DCE, vinyl chloride, carbon tetrachloride, 1,1,1-TCA, methylene chloride, and 1,1-DCE in all nine offsite co-located sub-slab soil vapor and indoor air samples were compared to their respective NYSDOH Decision Matrix (Matrix A for TCE, cis-1,2-DCE, carbon tetrachloride, and 1,1-DCE; Matrix B for PCE, 1,1,1-

TCA, and methylene chloride; and Matrix C for vinyl chloride) and resulted in a 'Mitigate' Matrix Decision for PCE at co-located locations SS-3/IA-8 and SS-7/IA-12, both located in the former barber shop basement; a 'Mitigate' Matrix Decision for cis-1,2-DCE at one co-located location, TI-SS-1/TI-IA-1, located in southeastern portion of the home goods store; a 'Mitigate' Matrix Decision for methylene chloride at one co-located location, TI-SS-4/TI-IA-4, located in the center of the home goods store. In addition, comparisons resulted in an 'Identify Sources and Resample or Mitigate' Matrix Decision for PCE at one co-located location, TI-SS-1/TI-IA-1, located in the southeastern portion of the home goods store; for TCE at co-located locations SS-3/IA-8 (former barber shop), SS-7/IA-12 (former barber shop), and TI-SS-3 (southwestern portion of home goods store); for cis-1,2-DCE at co-located locations SS-3/IA-8 (former barber shop), SS-7/IA-12 (former barber shop), TI-SS-2 (southern portion of home goods store), and TI-SS-3 (southwestern portion of home goods store); and, for methylene chloride at co-located locations TI-SS-1/TI-IA-1 (southeastern portion of home goods store), TI-SS-2/TI-IA-2 (southern portion of home goods store), TI-SS-3/TI-IA-3 (southwestern portion of home goods store), TI-SS-5/TI-IA-5 (northeastern portion of home goods store), and TI-SS-6/TI-IA-6 (northern portion of home goods store). In addition, carbon tetrachloride resulted in a 'Monitor' Matrix Decision at co-located location SS-7/IA-12, located in the barber shop basement. Comparison of concentrations in vinyl chloride, 1,1,1-TCA, and 1,1-DCE to the appropriate NYSDOH Decision Matrix resulted in a 'No Further Action' Matrix Decision at all nine co-located locations. All analytes detected at SS-5/IA-10 (home goods store basement) resulted in a 'No Further Action' Matrix Decision. A summary of the Matrix Decisions is presented in the table below:

Analyte	NYSDOH Matrix	Matrix Decision	Co-Located Sampling Locations
TCE	Matrix A	Identify Sources and Resample or Mitigate	SS-3/IA-8; SS-7/IA-2; TI-SS-3/TI-IA-3
Cis-1,2-DCE		Mitigate	TI-SS-1/TI-IA-1
		Identify Sources and Resample or Mitigate	SS-3/IA-8; SS-7/IA-12; TI-SS-2/TI-IA-2; TI-SS-3/TI-IA-3
Carbon Tetrachloride		Monitor	SS-7/IA-12
1,1-DCE		No Further Action	All Locations
PCE	Matrix B	Mitigate	SS-3/IA-8; SS-7/IA-12
		Identify Sources and Resample or Mitigate	TI-SS-3/TI-IA-3
1,1,1-TCA		No Further Action	All Locations
Methylene Chloride		Mitigate	TI-SS-4/TI-IA-4
		Identify Sources and Resample or Mitigate	TI-SS-1/TI-IA-1; TI-SS-2/TI-IA-2; TI-SS-3/TI-IA-3; TI-SS-5/TI-IA-5; TI-SS-6/TI-IA-6
Vinyl Chloride	Matrix C	No Further Action	All Locations

PCE, TCE, and methylene chloride were detected in indoor air samples in exceedance of their NYSDOH AGVs. PCE was detected in four of 13 indoor air samples exceeding the NYSDOH AGV of 30 ug/m3; TCE was detected in five of 13 indoor air samples exceeding the NYSDOH AGV of 2 ug/m3; and, methylene chloride was detected in six of 13 indoor air samples exceeding the NYSDOH AGV of 60 ug/m3. PCE was detected at concentrations ranging from 40.9 ug/m3 in IA-6 (Site) to 92.2 ug/m3 in IA-9 (cell phone store); TCE was detected at concentrations ranging from 2.85 ug/m3 in TI-IA-3 (home goods store slab-on-grade) to 10.2 ug/m3 in IA-9 (cell phone store); and, methylene chloride was detected at concentrations ranging from 101 ug/m3 in TI-IA-3

(home goods store slab-on-grade) to 1,650 ug/m3 in TI-IA-4 (home goods store). Based upon the concentrations detected in indoor air samples collected from the Site basement and north adjoining cell phone store basement, mitigation would likely be required for PCE and TCE at all four locations.

One cVOC included on the NYSDOH Matrices, PCE, was detected in two of three exterior soil vapor samples, SV-1 and SV-2, both collected from the western sidewalk of Pilgrim Avenue. PCE was detected at a concentration of 2.32 ug/m3 in SV-1 and 17.2 ug/m3 in SV-2. No other cVOCs included on the NYSDOH Matrices, including TCE, cis-1,2-DCE, 1,1,1-TCA, 1,1-dichloroethene, methylene chloride, carbon tetrachloride, and vinyl chloride were detected in any exterior soil vapor samples. Two cVOCs not included on the NYSDOH Matrices, chloroform and trans-1,2-dichloroethene, was detected in two of three exterior soil vapor samples, SV-1 and SV-2. Chloroform was detected at a max. concentration of 26.7 ug/m3 in SV-2 and trans-1,2-dichloroethene was detected at a max. concentration of 6.3 ug/m3 in SV-1. cVOCs were not detected in the corresponding ambient air sample, AA-2.

A variety of petroleum-related VOCs were detected in one or more sub-slab soil vapor and indoor air samples at low concentrations, including benzene, toluene, ethylbenzene, total xylenes, 1,2,4-trimethylbenzene, heptane, 2,2,4-trimethylpentane, cyclohexane, n-hexane, isopropanol, and 1,3-butadiene, with the highest concentrations generally occurring in the samples collected from the home goods store. Benzene was detected in four sub-slab soil vapor samples (max. 3.14 ug/m3 in SS-5) and five indoor air samples (max. 3.26 ug/m3 in IA-10); toluene was detected in seven sub-slab soil vapor samples (max. 40.3 ug/m3 in TI-SS-4) and ten indoor air samples (max. 18.8 ug/m3 in TI-IA-1); ethylbenzene was detected in five sub-slab soil vapor samples (max. 2.7 ug/m3 in TI-SS-4) and three indoor air samples (max. 2 ug/m3 in IA-10); total xylenes were detected in seven sub-slab soil vapor samples (max. 10.73 ug/m3 in TI-SS-4) and five indoor air samples (max. 10.02 ug/m3 in IA-10); 1,2,4-trimethylbenzene was detected in seven sub-slab soil vapor samples (max. 2.86 ug/m3 in TI-SS-4) and three indoor air samples (max. 2.09 ug/m3 in IA-10); heptane was detected in seven sub-slab soil vapor samples (max. 89.3 ug/m3 in TI-SS-4) and six indoor air samples (concentration of 3.19 ug/m3 in IA-10); 2,2,4-trimethylpentane was detected in one sub-slab soil vapor sample (concentration of 2.53 ug/m3 in SS-5) and six indoor air samples (max. 2.96 ug/m3 in IA-10); cyclohexane was detected in four sub-slab soil vapor samples (max. 28 ug/m3 in TI-SS-4) and six indoor air samples (max. 2.55 ug/m3 in IA-10); n-hexane was detected in six sub-slab soil vapor samples (max. 16.5 ug/m3 in TI-SS-4) and seven indoor air samples (max. 21.5 ug/m3 in TI-SS-1); isopropanol was detected in five sub-slab soil vapor samples (max. 32 ug/m3 in TI-SS-4) and all 13 indoor air samples (max. 50.6 ug/m3 in IA-12); and 1,3-butadiene was detected in three sub-slab soil vapor samples (max. 0.584 ug/m3 in SS-5) and three indoor air samples (max. 0.757 ug/m3 in IA-10).

A variety of petroleum-related VOCs were detected in one or more exterior soil vapor samples in exceedance of the concentrations detected in the corresponding ambient air sample, AA-2. Toluene, 2-hexanone, heptane, cyclohexane, n-hexane, and 2-butanone were detected in all three exterior soil vapor samples in exceedance of AA-2 concentrations; p/m-xylene, o-xylene, and 1,3-butadiene were detected in two exterior soil vapor samples in exceedance of AA-2 concentrations; and benzene, ethylbenzene, 2,2,4-trimethylpentane, and 1,2,4-trimethylbenzene were detected in exceedance of AA-2 concentrations. Toluene was detected at a max. concentration of 10.3 ug/m3 in SV-1 (2.41 ug/m3 in AA-2); 2-hexanone was detected at a max. concentration of 109 ug/m3 in SV-3 (non-detect in AA-2); heptane was detected at a max. concentration of 16.3 ug/m3 in SV-3 (non-detect in AA-2); cyclohexane was detected at a max. concentration of 73.7 ug/m3 in SV-3 (non-detect in AA-2); n-hexane was detected at max. concentration of 91.3 ug/m3 in SV-3 (non-

detect in AA-2); 2-butanone was detected at a max. concentration of 1,590 ug/m3 in SV-3 (1.95 ug/m3 in AA-2); p/m-xylene was detected at a max. concentration of 14.5 ug/m3 in SV-1 (non-detect in AA-2); o-xylene was detected at a max. concentration of 6.08 ug/m3 in SV-1 (non-detect in AA-2); 1,3-butadiene was detected at a max. concentration of 9.76 ug/m3 in SV-3 (non-detect in AA-2); benzene was detected at a concentration of 4.25 ug/m3 in SV-1 (1.38 ug/m3 in AA-2); ethylbenzene was detected at a concentration of 3.47 ug/m3 in SV-1 (non-detect in AA-2); 2,2,4-trimethylpentane was detected at a concentration of 1.84 ug/m3 in SV-1 (non-detect in AA-2); and, 1,2,4-trimethylbenzene was detected at a concentration of 3.88 ug/m3 in SV-1 (non-detect in AA-2).

Summary of Soil Vapor Analytical Results

- A variety of cVOCs included on the NYSDOH Decision Matrices, including PCE, TCE, cis-1,2-DCE, vinyl chloride, carbon tetrachloride, 1,1,1-TCA, and methylene chloride, were detected in one or more sub-slab soil vapor and indoor air samples. Comparison of concentrations detected in sub-slab soil vapor samples and co-located indoor air samples to the NYSDOH matrices resulted in the following:
    - A 'Mitigate' Matrix Decision for PCE at both locations in the former barber shop basement adjoining the Site to the south (SS-3/IA-8 and SS-7/IA-12) and an 'identify sources and resample or mitigate' Matrix Decision for PCE at one location in the home goods store (TI-SS-3/TI-IA-3);
    - A 'Mitigate' Matrix Decision for cis-1,2-DCE at one location in the home goods store (TI-SS-1/TI-IA-1) and an 'identify sources and resample or mitigate' Matrix Decision for cis-1,2-DCE at both locations in the former barber shop (SS-3/IA-8 and SS-7/IA-12) and two locations in the home goods store (TI-SS-2/TI-IA-2 and TI-SS-3/TI-IA-3);
    - An 'identify sources and resample or mitigate' Matrix Decision for TCE at both locations in the former barber shop (SS-3/IA-8 and SS-7/IA-12) and at one location in the home goods store (TI-SS-3/TI-IA-3);
    - A 'Mitigate' Matrix Decision for methylene chloride at one location within the home goods store (TI-SS-4/TI-IA-4) and an 'identify sources and resample or mitigate' Matrix Decision for methylene chloride at five locations within the home goods store (TI-SS-1/TI-IA-1, TI-SS-2/TI-IA-2, TI-SS-3/TI-IA-3, TI-SS-5/TI-IA-5, and TI-SS-6/TI-IA-6);
    - A 'Monitor' Matrix Decision for carbon tetrachloride at one location in the former barber shop (SS-7/IA-12); and,
    - Comparison to the NYSDOH matrices resulted in a 'No Further Action' Matrix Decision for all analytes at the co-located location in the home goods store basement (SS-5/IA-10).
- Concentrations of PCE and TCE were detected in exceedance of their respective NYSDOH AGVs in indoor air on- and offsite. PCE and TCE were detected in exceedance of NYSDOH AGVs in two indoor air samples collected from the Site basement and two indoor air samples collected from the north adjoining cell phone store basement. In addition, TCE was also detected in exceedance of its NYSDOH AGV in one indoor air sample collected from the slab-on-grade portion of the home goods store. Based upon the concentrations detected in indoor air, mitigation would likely be required for PCE and TCE at both indoor air locations in the Site basement and both indoor air locations in the north adjoining cell phone store basement.
- Concentrations of methylene chloride were detected in exceedance of the NYSDOH AGV in all six indoor air samples collected from the slab-on-grade portion of the home goods

store. Methylene chloride is commonly utilized in the production of flooring materials and the elevated concentrations of methylene chloride detected in samples collected from the slab-on-grade portion of the home goods store are suspected to be a result of off-gassing of the flooring materials present in the tenant space.

- PCE was detected in two of three exterior soil vapor samples at low concentrations. No other cVOCs included on the NYSDOH Matrices were detected in any soil vapor samples.
- A variety of petroleum-related VOCs were detected at low concentrations in sub-slab soil vapor, exterior soil vapor, and indoor air across the Site and offsite.

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 now and under the 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 are chlorinated solvents.

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 twelve years. Chlorinated solvent VOCs (CVOCs) have been detected in soil, soil vapor and groundwater at concentrations above applicable regulatory levels.

6.2 Contaminant Release and Transport Mechanisms

The shallow fill material at the Site is impacted with cVOCs. These impacts are likely related to historic dry cleaning operations.

A cVOC source area has been identified onsite and is present beneath the northwestern portion of the Site basement. 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 down- and crossgradient of the source area beneath the Site building and in sidewalks surrounding the Site.

Chlorinated solvents were not detected in exceedance of Class GA Standards in any of the up- and crossgradient offsite groundwater samples collected from the eastern sidewalk of Pilgrim Avenue. CVOCs were found in soil vapor below the south adjoining basement and in the portion of the home goods store that adjoins the cell phone store, and in indoor air in the Site basement, adjoining basements to the north and south, and in the portion of the home goods store that adjoins the cell phone store. Low concentrations of one cVOC, PCE, were detected in exterior soil vapor samples collected from the western sidewalk of Pilgrim Avenue.

6.3 Potential Receptor Populations

The potential onsite receptors include Site workers (workers who currently occupy the various commercial spaces in the Site building), construction workers, visitors and 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 and the RI indicate CVOCs above regulatory levels in soils at depths extending from basement grade to bedrock (approximately 3 ft-bg). Earlier investigations and the RI documented shallow soil contamination at the Site with potential for exposure via dermal adsorption, inhalation and incidental ingestion if proper protective measures are not implemented.

There is potential for exposure via these pathways during ground-intrusive sampling and Site remediation; however, due to the presence of the building foundation, on-Site exposures unrelated to remedial activities are not likely. Exposure of environmental professionals during sampling will be mitigated by adherence to a HASP. During remediation activities, the potential for exposure of Site construction workers and nearby residents to contaminated soil via onsite handling and off-site transportation of disturbed soil will be avoided by implementation of a CAMP and HASP.

Concentrations of metals and PFAS were detected in onsite groundwater monitoring wells above the Class GA Standards and PFAS Guidelines, respectively, 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 and PFAS Guidelines and there is the potential for these constituents to migrate off Site, 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 construction workers involved in 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's foundation, which covers the entire Site footprint.

There is potential for volatilization of chlorinated solvents into ambient air and indoor air on and off Site. 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.

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, which covers 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, which covers the entire Site.

Potential Exposure Route	Potential Receptors	Human Exposure Assessment
Inhalation of vapors	• Current building occupants and construction workers and nearby residents.	• Air purifying canisters have been installed in the grade level of the two occupied tenant spaces of the Site building (cell phone store and home goods store). Basements of tenant spaces are utilized as storage only and are not regularly occupied. • Exposures during Site remediation will be mitigated through implementation of a HASP and CAMP • Remediation will include excavation of the cVOC source area, remediation of the groundwater below the Site building, and installation of a sub-slab depressurization system in the Site building, all of which will eliminate this pathway.

7.0 SUMMARY

7.1 Soil

The results of previous investigations and the RI indicate the presence of PCE in exceedance of Protection of Groundwater SCOs, but below Restricted Commercial Use SCOs, in soil samples collected from the northwestern portion of the Site basement. Based upon the soil results, the cVOC hotspot has been delineated vertically and horizontally. The cVOC source area is approximately 580-SF in size.

A soil remediation to address cVOC impacts in soil onsite will be considered as part of the Remedial Action Work Plan (RAWP).

7.2 Groundwater

Groundwater results from samples collected on- and offsite from the Site building as part of the RI indicate exceedances of Class GA Standards for cVOCs. Previous investigations have indicated that groundwater collected from the Site is impacted by cVOCs, specifically PCE and its degradation products.

This investigation confirmed the presence of cVOC impacts to groundwater across the Site and to groundwater downgradient of the Site, beneath the cell phone store and home goods store tenant spaces and within the western sidewalk of Westchester Avenue, with the highest concentrations occurring in the offsite, downgradient monitoring well installed within the north adjoining basement (MW-5).

Concentrations of cVOCs detected in the furthest offsite and downgradient wells (MW-7 and MW-8) were two to three orders of magnitude lower than the concentrations detected in the monitoring well installed in the north adjoining basement (MW-5), indicating that chlorinated solvent impacts are migrating offsite at a slow rate.

In addition, multiple subsurface structures (utilities, subway line foundations, etc.) are present in sidewalks and roadways surrounding the Site, providing preferential pathways for groundwater and limiting the potential for groundwater contamination to travel across Westchester Avenue. cVOCs in groundwater collected from the onsite bedrock well, BW-1, were generally one order of magnitude lower than those detected in the nearest shallow groundwater monitoring well, MW-3, indicating that chlorinated solvent impacts are not significantly impacting the bedrock beneath the Site.

All three offsite and up/crossgradient groundwater monitoring wells located in the eastern sidewalk of Pilgrim Avenue did not contain concentrations of cVOCs in exceedance of Class GA Standards.

Analysis of PFAS in groundwater as part of this investigation indicated concentrations of PFOS and PFOA in exceedance of NYSDEC PFAS Guidelines on- and offsite. Generally, the highest concentrations of PFAS were detected in the eastern portion of the Site. Only one offsite groundwater monitoring well located in the eastern sidewalk of Pilgrim Avenue did not contain concentrations of PFAS in exceedance of NYSDEC PFAS Guidelines.

A groundwater remedy to remediate chlorinated solvent contamination in groundwater will be outlined in the RAWP.

7.3 Soil Vapor

Sub-slab soil vapor and indoor air results from this investigation elevated concentrations of chlorinated solvents resulting from the historic use of the Site as a dry cleaner at all on- and offsite sampling locations within the Site basement and the north and south adjoining basements, as well as three sampling locations within the slab-on-grade portion of the home goods store that were collected along the southern perimeter of the home goods store, adjoining the cell phone store.

Chlorinated solvents were detected in indoor air collected from the Site basement, north adjoining basement, and slab-on-grade portion of the home goods store at concentrations exceeding NYSDOH Soil Vapor Intrusion Air Guideline Values.

Comparison of cVOC concentrations in the offsite sub-slab soil vapor and co-located indoor air samples to applicable NYSDOH Decision Matrices indicates that mitigation is necessary for PCE at both locations in the south adjoining basement and mitigation is necessary for cis-1,2-DCE at one location in the slab-on-grade portion of the home goods store.

In addition, one location in the slab-on-grade portion of the home goods store resulted in an 'Identify Sources and Resample or Mitigate' Matrix Decision for PCE; both locations in the south adjoining basement and one location in the slab-on-grade portion of the home goods store resulted in an 'Identify Sources and Resample or Mitigate' Matrix Decision for TCE; both locations in the south adjoining basement and two locations in the slab-on-grade portion of the home goods store resulted in an 'Identify Sources and Resample or Mitigate' Matrix Decision for cis-1,2-DCE; and, one location in the south adjoining basement resulted in a 'Monitor' Matrix Decision for carbon tetrachloride.

All analytes included on the NYSDOH Matrices resulted in a 'No Further Action' Matrix Decision for the offsite sub-slab soil vapor and co-located indoor air samples collected from the home goods store basement, to the northwest of the Site.

Although sub-slab soil vapor samples could not be collected from the Site or north adjoining basement, the concentrations of PCE and TCE in the four indoor air samples collected from these locations (two from the Site, two from the north adjoining basement) indicate mitigation would likely be necessary for both analytes at all four locations. Low concentrations of one cVOC, PCE, were detected in two exterior soil vapor samples collected from the western sidewalk of Pilgrim Avenue. Petroleum-related VOCs were detected at low concentrations in sub-slab soil vapor, exterior soil vapor, and indoor air samples across the Site and offsite.

Based on the results of the investigation, a soil vapor intrusion condition requiring mitigation appears to exist in the Site basement, the north and south adjoining basements, and the along the southern perimeter of the slab-on-grade portion of the home goods store.

Based on the results of the exterior soil vapor samples, it is unlikely that a soil vapor intrusion condition exists in any of the three residential buildings to the northwest, southwest, and southeast of the Site.

A soil vapor remedy to address chlorinated solvent contamination in soil vapor beneath the Site, the north and south adjoining basements, and the slab-on-grade portion of the home goods store will be considered as part of the RAWP.

As part of the Remedial Action, sub-slab soil vapor samples will be collected from the Site basement and north adjoining basement to confirm that remediation is necessary at these locations.

7.4 Recommendations

Based upon the finding of the RI**,** an evaluation of remedial alternatives for the various media, as indicated above, will be conducted and presented to NYSDEC in a 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.

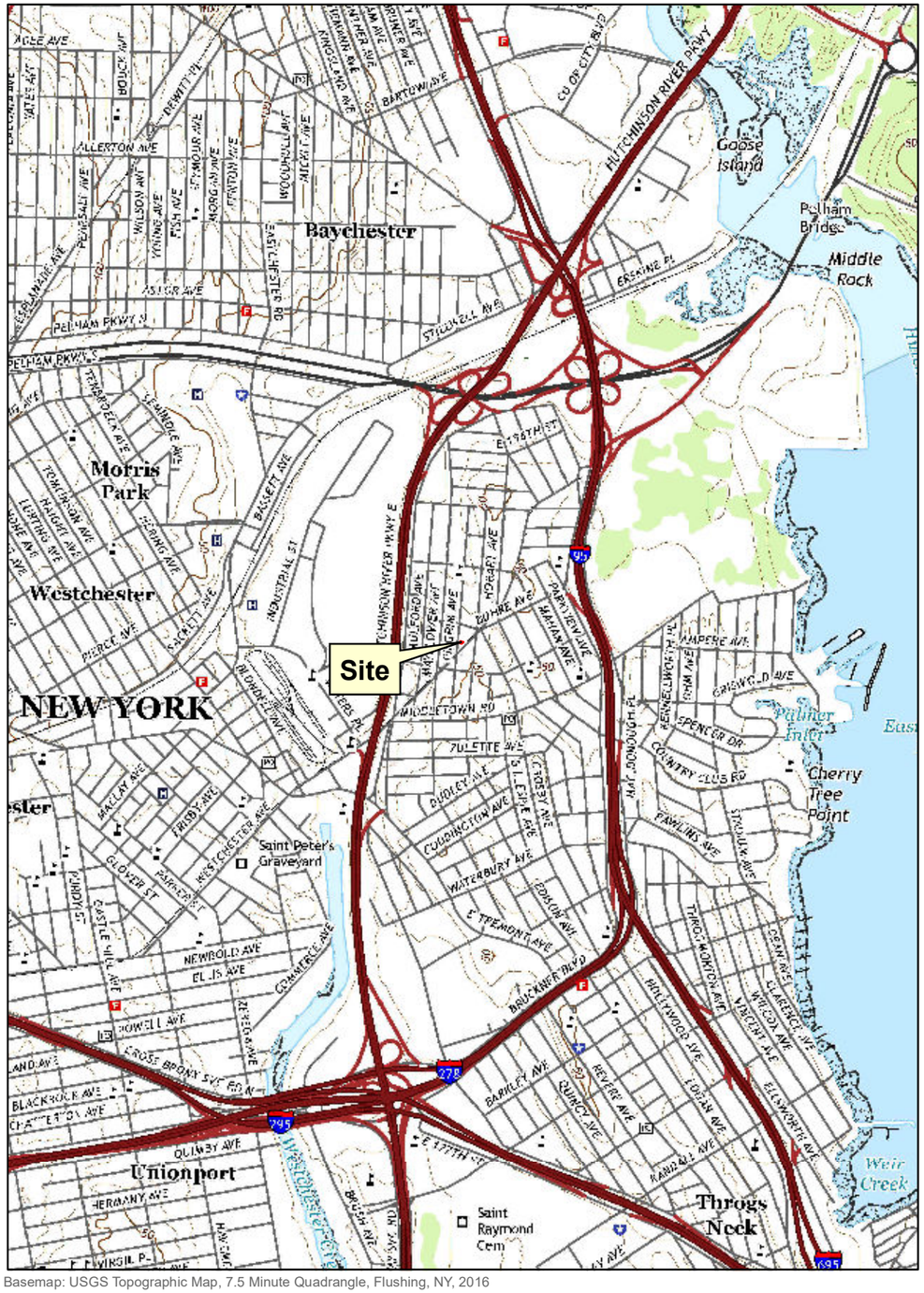
New York State Department of Environmental Conservation. Guidelines for Sampling and Analysis of Per- and Polyfluoroalkyl Substances (PFAS) Under NYSDEC's Part 375 Remedial Programs. June 2021. NYSDEC 2021.

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

Phase II Environmental Site Assessment, 2925 Westchester Avenue, Bronx, NY 10461, Castleton Environmental, August 2019.

Due Diligence Investigation Report, 2921 Westchester Avenue, Bronx, NY 10461, Tenen Environmental, LLC, May 2020.

Figures



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

Site Location

0 1,000 2,000 4,000 Feet

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

Department of Finance Digital Tax Map

0 150 300 600 Feet

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

Department of City Planning MapPLUTO - 2018 v2.1

0 150 300 600 Feet

Site

2921 Westchester Avenue
Bronx, New York
Block 4164, Lot 5

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

Drawn By	LM
Checked By	AP
Date	December 2020
Scale	As Noted
Drawing Title	Site Location Map
Drawing No	Figure 1

NYC Department of City Planning, Information Technology Division

Legend

- Site Boundary
- Cellar Spaces
- Home Store
- Boost Mobile
- Vacant Space
- Block 4164, Tax Lot 5

0 15 30 60 Feet

Site

Remedial Investigation Report
2921 Westchester Avenue
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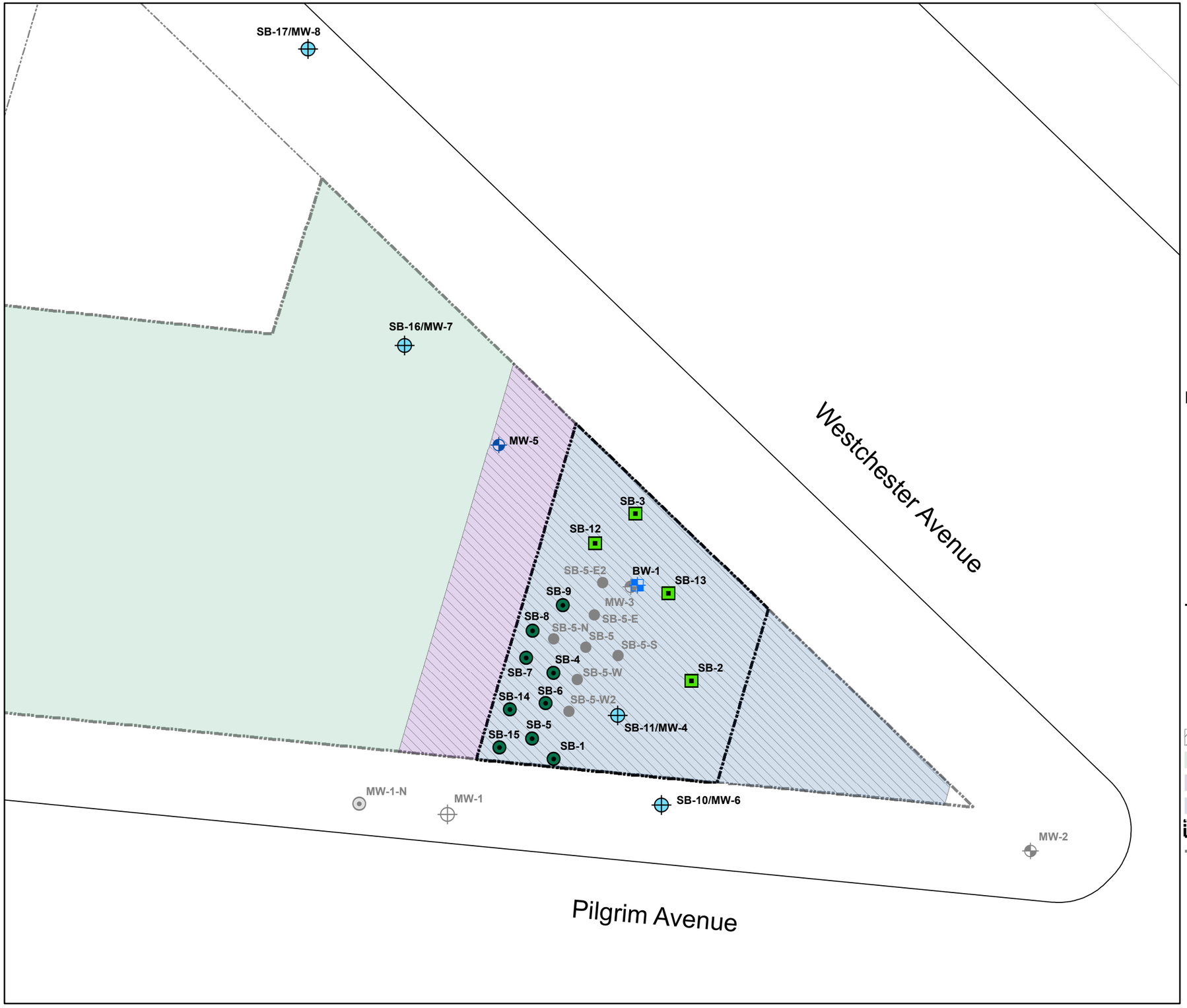
Drawn By	LM
Checked By	AP
Date	July 2022
Scale	As Noted

Drawing Title: **Site Layout**

Drawing No: **Figure 2**



Legend

- Delineation Boring Sample Location
- Characterization Boring Sample Location
- Monitoring Well Sample Location
- Monitoring Well Location (Bedrock Well)
- Soil Boring/ Monitoring Well Location

Tenen Due Diligence Sample Locations

- Soil Boring Sample Location
- Groundwater Sample Location
- Soil Boring/Groundwater Sample Location
- Soil Delineation Sample Locations
- Cellar Spaces
- Home Store
- Boost Mobile
- Vacant Space
- Site Boundary
- Tax Lot

0 3.75 7.5 15 22.5 30 Feet

Site

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Bronx, New York
Block 4164, Lot 5

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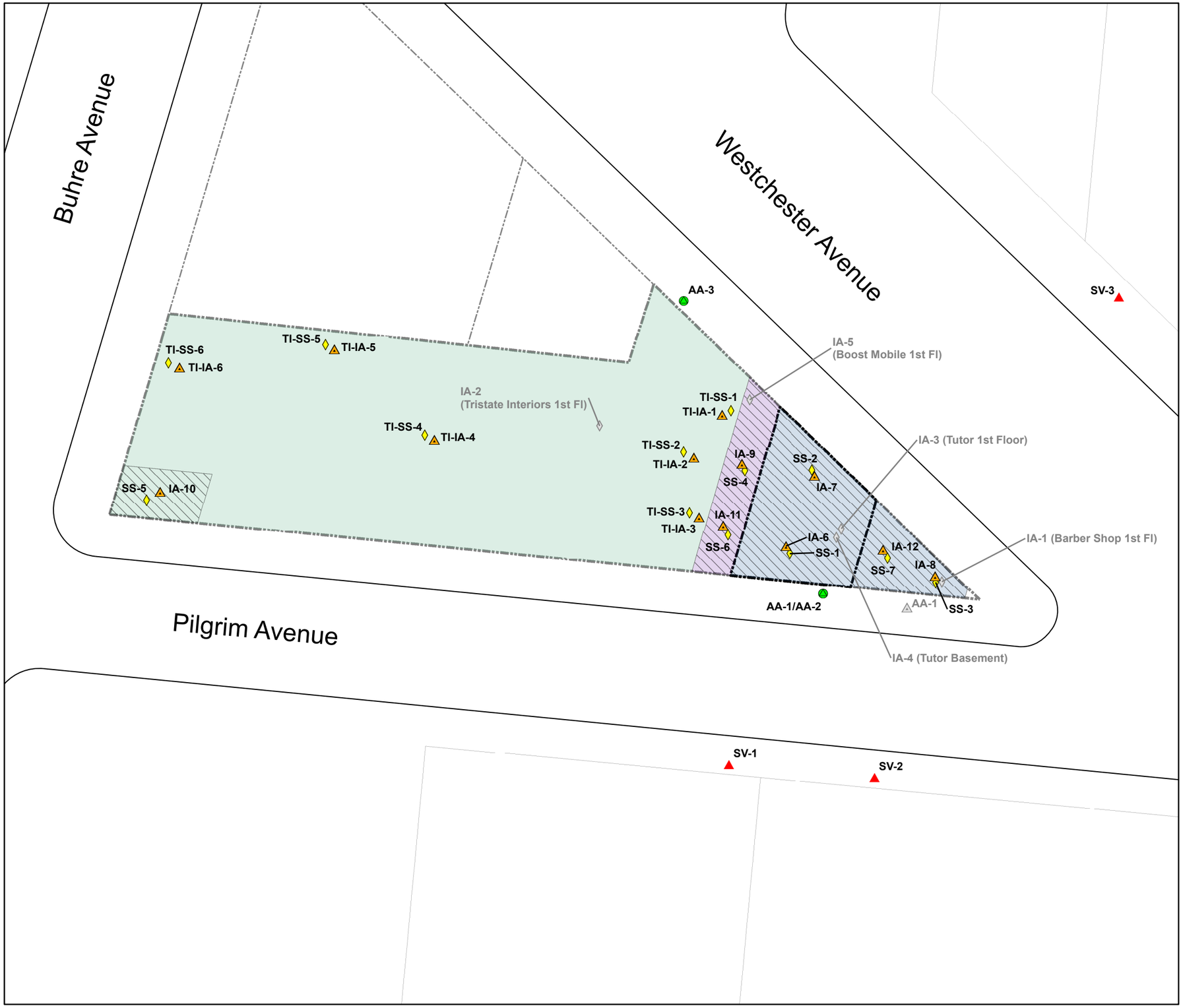
Drawn By	Checked By	Date	Scale
LM	AP	July 2022	As Noted

Drawing Title: **Soil and Groundwater Sampling Locations**

Drawing No: **Figure 3**



Legend

- Tax Lot
- Site Boundary
- Cellar Spaces
- Home Store
- Boost Mobile
- Vacant Space

RI Locations (Tenen 2021)

- Outdoor Air Sample Location
- Indoor Air Sample Location
- Soil Vapor Sample Location
- Sub-Slab Soil Vapor Location

Due Diligence Locations (Tenen 2019)

- Ambient Air Sample Location
- Indoor Air Sample Location

Note:
Due Diligence Sample IA-1 and RI Samples SS-3, SS-7, IA-8, and IA-12 were collected from the former barber shop.

0 15 30 60 Feet

Site
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Drawn By	Checked By	Date	Scale
LM	AP	July 2022	As Noted

Drawing Title
Soil Vapor and Indoor Air Sample Locations

Drawing No
Figure 4

Legend

- Groundwater Sampling Location (Tenen 2021)
- Soil and Groundwater Sampling Location (Tenen 2021)
- Intermediate Groundwater Contour
- Index Groundwater Contour
- Groundwater Flow Direction

0 10 20 40 Feet

Source:
Donald R. Stedge, P.L.S.
Well Elevation Survey, 2925 Westchester Avenue, Bronx, NY
Revised February 23, 2021

Site

Remedial Investigation Report
2921 Westchester Avenue
Bronx, New York
Block 4164, Lot 5

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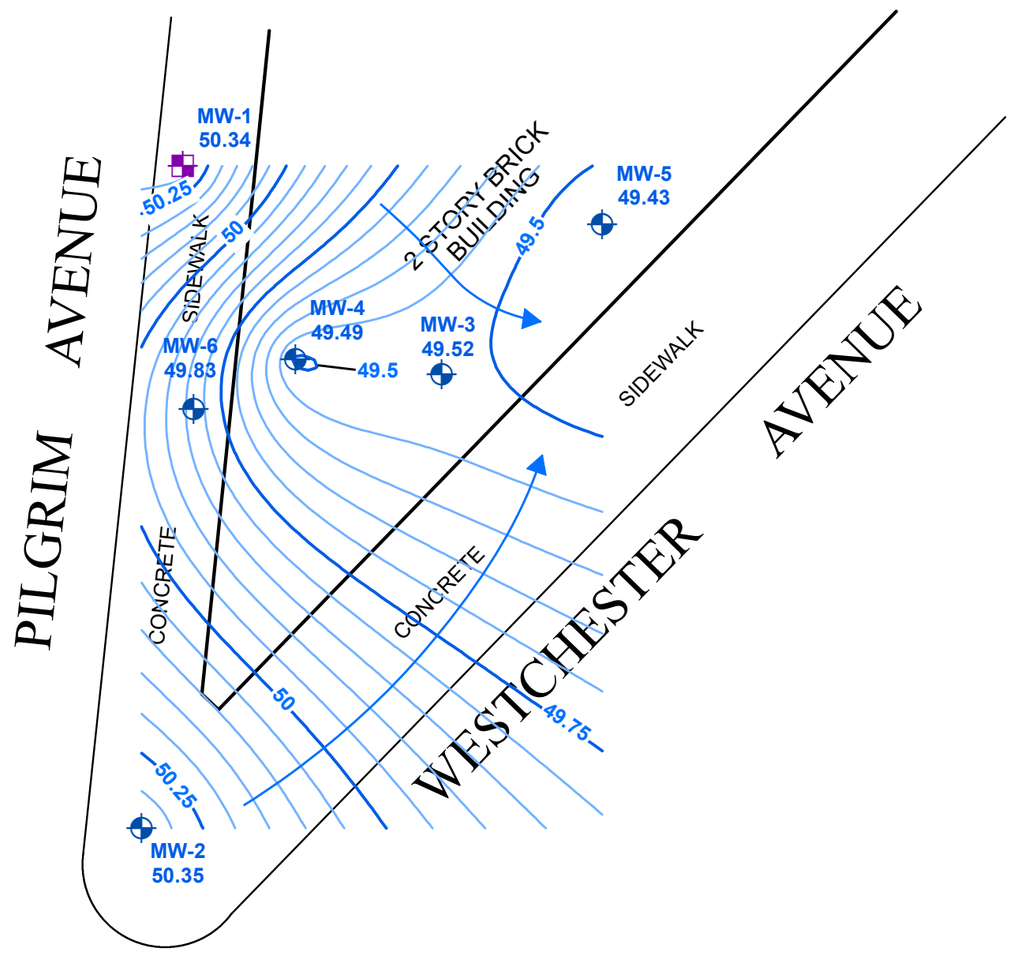
Drawn By	LM
Checked By	AP
Date	March 2021
Scale	As Noted

Drawing Title
Groundwater Flow Map
Feb 2021 Groundwater Elevations

Drawing No
Figure 5a



Legend

- Groundwater Sampling Location (Tenen 2021)
- Soil and Groundwater Sampling Location (Tenen 2021)
- Intermediate Groundwater Contour
- Index Groundwater Contour
- Groundwater Flow Direction

0 10 20 40 Feet

Source:
Donald R. Stedge, P.L.S.
Well Elevation Survey, 2925 Westchester Avenue, Bronx, NY
Revised February 23, 2021

Site

Remedial Investigation Report
2921 Westchester Avenue
Bronx, New York
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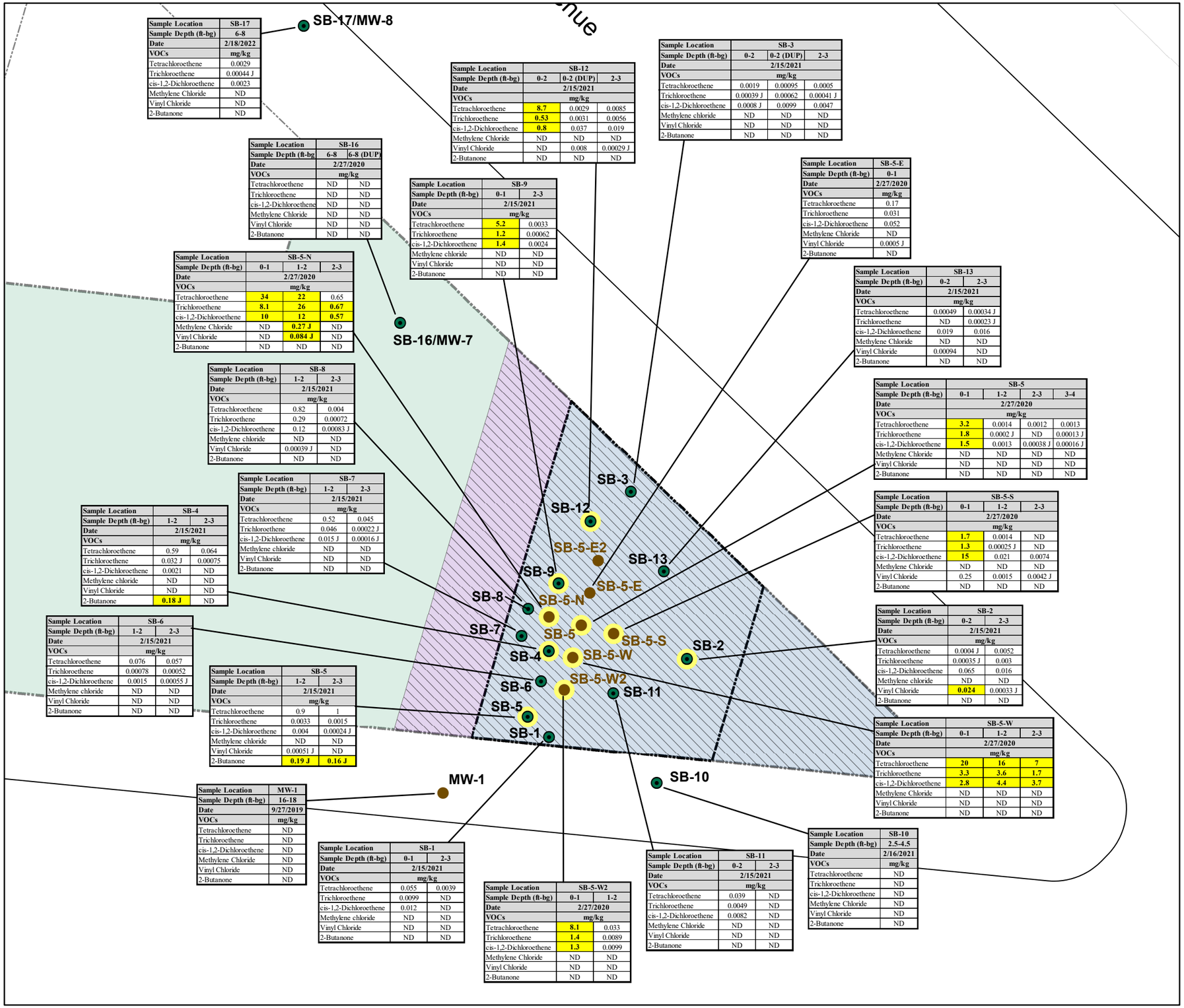
Drawn By	LM
Checked By	AP
Date	March 2021
Scale	As Noted

Drawing Title
Groundwater Flow Map
March 2021 GW Elevations

Drawing No
Figure 5b



Sample Location	SB-17
Sample Depth (ft-bg)	6-8
Date	2/18/2022
VOCs	mg/kg
Tetrachloroethene	0.0029
Trichloroethene	0.00044 J
cis-1,2-Dichloroethene	0.0023
Methylene Chloride	ND
Vinyl Chloride	ND
2-Butanone	ND

Sample Location	SB-12		
Sample Depth (ft-bg)	0-2	0-2 (DUP)	2-3
Date	2/15/2021		
VOCs	mg/kg		
Tetrachloroethene	**8.7**	0.0029	0.0085
Trichloroethene	**0.53**	0.0031	0.0056
cis-1,2-Dichloroethene	**0.8**	0.037	0.019
Methylene Chloride	ND	ND	ND
Vinyl Chloride	ND	0.008	0.00029 J
2-Butanone	ND	ND	ND

Sample Location	SB-3		
Sample Depth (ft-bg)	0-2	0-2 (DUP)	2-3
Date	2/15/2021		
VOCs	mg/kg		
Tetrachloroethene	0.0019	0.00095	0.0005
Trichloroethene	0.00039 J	0.00062	0.00041 J
cis-1,2-Dichloroethene	0.0008 J	0.0099	0.0047
Methylene chloride	ND	ND	ND
Vinyl Chloride	ND	ND	ND
2-Butanone	ND	ND	ND

Sample Location	SB-16	
Sample Depth (ft-bg	6-8	6-8 (DUP)
Date	2/27/2020	
VOCs	mg/kg	
Tetrachloroethene	ND	ND
Trichloroethene	ND	ND
cis-1,2-Dichloroethene	ND	ND
Methylene Chloride	ND	ND
Vinyl Chloride	ND	ND
2-Butanone	ND	ND

Sample Location	SB-9	
Sample Depth (ft-bg)	0-1	2-3
Date	2/15/2021	
VOCs	mg/kg	
Tetrachloroethene	**5.2**	0.0033
Trichloroethene	**1.2**	0.00062
cis-1,2-Dichloroethene	**1.4**	0.0024
Methylene chloride	ND	ND
Vinyl Chloride	ND	ND
2-Butanone	ND	ND

Sample Location	SB-5-E
Sample Depth (ft-bg)	0-1
Date	2/27/2020
VOCs	mg/kg
Tetrachloroethene	0.17
Trichloroethene	0.031
cis-1,2-Dichloroethene	0.052
Methylene Chloride	ND
Vinyl Chloride	0.0005 J
2-Butanone	ND

Sample Location	SB-5-N		
Sample Depth (ft-bg)	0-1	1-2	2-3
Date	2/27/2020		
VOCs	mg/kg		
Tetrachloroethene	**34**	**22**	0.65
Trichloroethene	**8.1**	**26**	**0.67**
cis-1,2-Dichloroethene	**10**	**12**	**0.57**
Methylene Chloride	ND	**0.27 J**	ND
Vinyl Chloride	ND	**0.084 J**	ND
2-Butanone	ND	ND	ND

Sample Location	SB-13	
Sample Depth (ft-bg)	0-2	2-3
Date	2/15/2021	
VOCs	mg/kg	
Tetrachloroethene	0.00049	0.00034 J
Trichloroethene	ND	0.00023 J
cis-1,2-Dichloroethene	0.019	0.016
Methylene Chloride	ND	ND
Vinyl Chloride	0.00094	ND
2-Butanone	ND	ND

Sample Location	SB-8	
Sample Depth (ft-bg)	1-2	2-3
Date	2/15/2021	
VOCs	mg/kg	
Tetrachloroethene	0.82	0.004
Trichloroethene	0.29	0.00072
cis-1,2-Dichloroethene	0.12	0.00083 J
Methylene chloride	ND	ND
Vinyl Chloride	0.00039 J	ND
2-Butanone	ND	ND

Sample Location	SB-5			
Sample Depth (ft-bg)	0-1	1-2	2-3	3-4
Date	2/27/2020			
VOCs	mg/kg			
Tetrachloroethene	**3.2**	0.0014	0.0012	0.0013
Trichloroethene	**1.8**	0.0002 J	ND	0.00013 J
cis-1,2-Dichloroethene	**1.5**	0.0013	0.00038 J	0.00016 J
Methylene Chloride	ND	ND	ND	ND
Vinyl Chloride	ND	ND	ND	ND
2-Butanone	ND	ND	ND	ND

Sample Location	SB-7	
Sample Depth (ft-bg)	1-2	2-3
Date	2/15/2021	
VOCs	mg/kg	
Tetrachloroethene	0.52	0.045
Trichloroethene	0.046	0.00022 J
cis-1,2-Dichloroethene	0.015 J	0.00016 J
Methylene chloride	ND	ND
Vinyl Chloride	ND	ND
2-Butanone	ND	ND

Sample Location	SB-5-S		
Sample Depth (ft-bg)	0-1	1-2	2-3
Date	2/27/2020		
VOCs	mg/kg		
Tetrachloroethene	**1.7**	0.0014	ND
Trichloroethene	**1.3**	0.00025 J	ND
cis-1,2-Dichloroethene	**15**	0.021	0.0074
Methylene Chloride	ND	ND	ND
Vinyl Chloride	0.25	0.0015	0.0042 J
2-Butanone	ND	ND	ND

Sample Location	SB-4	
Sample Depth (ft-bg)	1-2	2-3
Date	2/15/2021	
VOCs	mg/kg	
Tetrachloroethene	0.59	0.064
Trichloroethene	0.032 J	0.00075
cis-1,2-Dichloroethene	0.0021	ND
Methylene chloride	ND	ND
Vinyl Chloride	ND	ND
2-Butanone	**0.18 J**	ND

Sample Location	SB-2	
Sample Depth (ft-bg)	0-2	2-3
Date	2/15/2021	
VOCs	mg/kg	
Tetrachloroethene	0.0004 J	0.0052
Trichloroethene	0.00035 J	0.003
cis-1,2-Dichloroethene	0.065	0.016
Methylene chloride	ND	ND
Vinyl Chloride	**0.024**	0.00033 J
2-Butanone	ND	ND

Sample Location	SB-6	
Sample Depth (ft-bg)	1-2	2-3
Date	2/15/2021	
VOCs	mg/kg	
Tetrachloroethene	0.076	0.057
Trichloroethene	0.00078	0.00052
cis-1,2-Dichloroethene	0.0015	0.00055 J
Methylene chloride	ND	ND
Vinyl Chloride	ND	ND
2-Butanone	ND	ND

Sample Location	SB-5	
Sample Depth (ft-bg)	1-2	2-3
Date	2/15/2021	
VOCs	mg/kg	
Tetrachloroethene	0.9	1
Trichloroethene	0.0033	0.0015
cis-1,2-Dichloroethene	0.004	0.00024 J
Methylene chloride	ND	ND
Vinyl Chloride	0.00051 J	ND
2-Butanone	**0.19 J**	**0.16 J**

Sample Location	SB-5-W		
Sample Depth (ft-bg)	0-1	1-2	2-3
Date	2/27/2020		
VOCs	mg/kg		
Tetrachloroethene	**20**	**16**	**7**
Trichloroethene	**3.3**	**3.6**	**1.7**
cis-1,2-Dichloroethene	**2.8**	**4.4**	**3.7**
Methylene Chloride	ND	ND	ND
Vinyl Chloride	ND	ND	ND
2-Butanone	ND	ND	ND

Sample Location	MW-1
Sample Depth (ft-bg)	16-18
Date	9/27/2019
VOCs	mg/kg
Tetrachloroethene	ND
Trichloroethene	ND
cis-1,2-Dichloroethene	ND
Methylene Chloride	ND
Vinyl Chloride	ND
2-Butanone	ND

Sample Location	SB-10
Sample Depth (ft-bg)	2.5-4.5
Date	2/16/2021
VOCs	mg/kg
Tetrachloroethene	ND
Trichloroethene	ND
cis-1,2-Dichloroethene	ND
Methylene Chloride	ND
Vinyl Chloride	ND
2-Butanone	ND

Sample Location	SB-1	
Sample Depth (ft-bg)	0-1	2-3
Date	2/15/2021	
VOCs	mg/kg	
Tetrachloroethene	0.055	0.0039
Trichloroethene	0.0099	ND
cis-1,2-Dichloroethene	0.012	ND
Methylene chloride	ND	ND
Vinyl Chloride	ND	ND
2-Butanone	ND	ND

Sample Location	SB-11	
Sample Depth (ft-bg)	0-2	2-3
Date	2/15/2021	
VOCs	mg/kg	
Tetrachloroethene	0.039	ND
Trichloroethene	0.0049	ND
cis-1,2-Dichloroethene	0.0082	ND
Methylene Chloride	ND	ND
Vinyl Chloride	ND	ND
2-Butanone	ND	ND

Sample Location	SB-5-W2	
Sample Depth (ft-bg)	0-1	1-2
Date	2/27/2020	
VOCs	mg/kg	
Tetrachloroethene	**8.1**	0.033
Trichloroethene	**1.4**	0.0089
cis-1,2-Dichloroethene	**1.3**	0.0099
Methylene Chloride	ND	ND
Vinyl Chloride	ND	ND
2-Butanone	ND	ND

Analyte	NY-PGW	NY-RESC
VOCs	mg/kg	
Tetrachloroethene	1.3	150
Trichloroethene	0.47	200
cis-1,2-Dichloroethene	0.25	500
Methylene chloride	0.05	500
Vinyl Chloride	0.02	13
2-Butanone	0.12	500

Notes:

1. **Bold and shaded yellow value indicates concentration exceeds NY-PGW SCOs**
2. NY-PGW = 6 NYCRR Part 375 Restricted Protection of Groundwater Soil Cleanup Objectives
3. NY-RESC = 6 NYCRR Part 375 Restricted Commercial Use Soil Cleanup Objectives
4. J = Estimated value
5. D = Diluted
6. ND = Not detected
7. DUP = Duplicate
8. All VOCs met NY-RESC SCOs in all soil samples

Legend

- Remedial Investigation Sample Location (Tenen 2021)
- Due Diligence Soil Sample Location (Tenen 2019)
- Denotes Sample Location Exceeding the PGW SCO
- Cellar Spaces
- Home Store
- Boost Mobile
- Vacant Space
- Site Boundary
- Tax Lot

0 5 10 20 30 Feet

Site

Remedial Investigation Report
2921 Westchester Avenue
Bronx, New York
Block 4164, Lot 5

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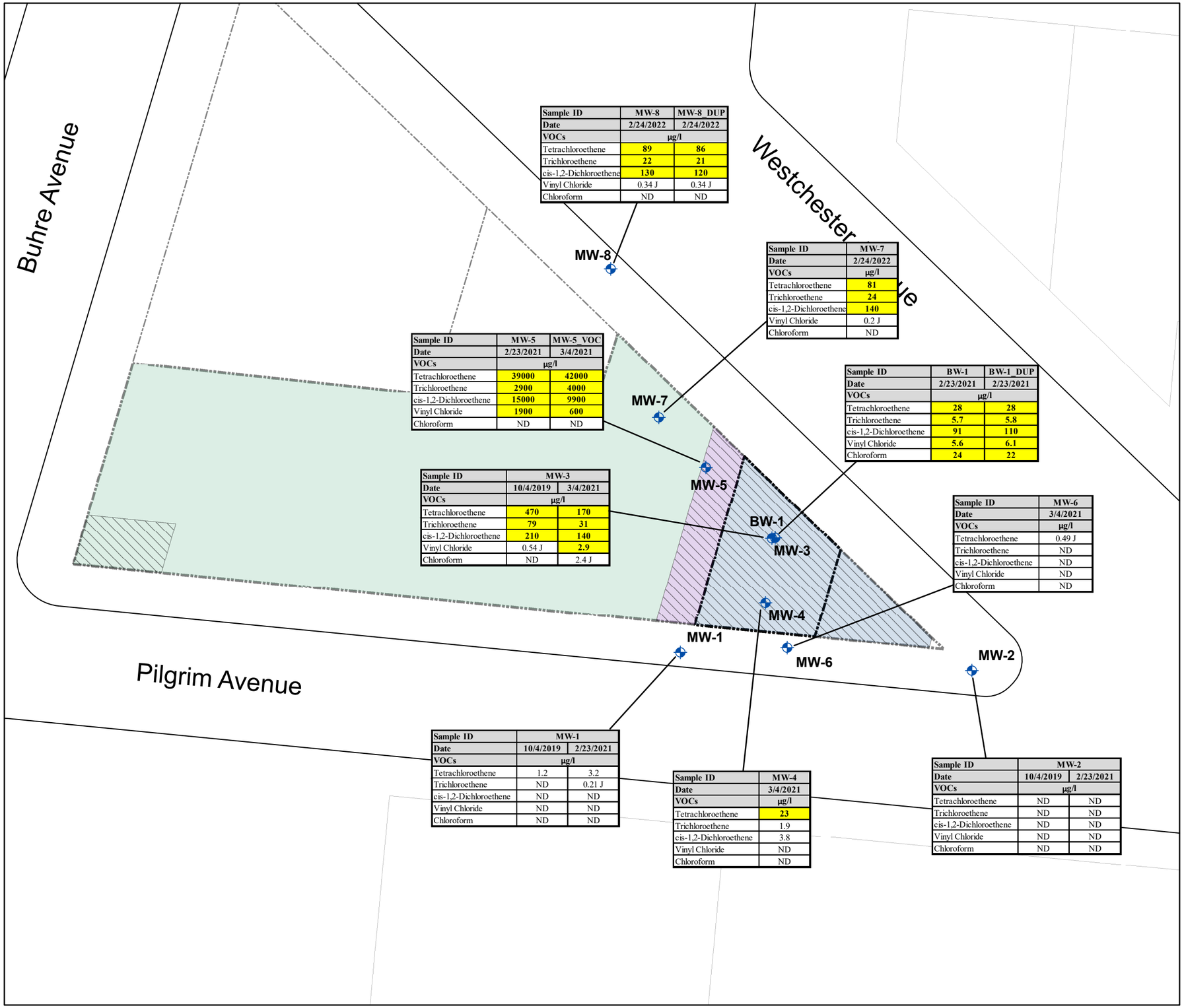
Drawn By	LM
Checked By	AP
Date	July 2022
Scale	As Noted

Drawing Title: **Volatile Organic Compounds in Soil**

Drawing No: **Figure 6**



Sample ID	MW-8	MW-8_DUP
Date	2/24/2022	2/24/2022
VOCs	µg/l	
Tetrachloroethene	**89**	**86**
Trichloroethene	**22**	**21**
cis-1,2-Dichloroethene	**130**	**120**
Vinyl Chloride	0.34 J	0.34 J
Chloroform	ND	ND

Sample ID	MW-7
Date	2/24/2022
VOCs	µg/l
Tetrachloroethene	**81**
Trichloroethene	**24**
cis-1,2-Dichloroethene	**140**
Vinyl Chloride	0.2 J
Chloroform	ND

Sample ID	MW-5	MW-5_VOC
Date	2/23/2021	3/4/2021
VOCs	µg/l	
Tetrachloroethene	**39000**	**42000**
Trichloroethene	**2900**	**4000**
cis-1,2-Dichloroethene	**15000**	**9900**
Vinyl Chloride	**1900**	**600**
Chloroform	ND	ND

Sample ID	BW-1	BW-1_DUP
Date	2/23/2021	2/23/2021
VOCs	µg/l	
Tetrachloroethene	**28**	**28**
Trichloroethene	**5.7**	**5.8**
cis-1,2-Dichloroethene	**91**	**110**
Vinyl Chloride	**5.6**	**6.1**
Chloroform	**24**	**22**

Sample ID	MW-3	
Date	10/4/2019	3/4/2021
VOCs	µg/l	
Tetrachloroethene	**470**	**170**
Trichloroethene	**79**	**31**
cis-1,2-Dichloroethene	**210**	**140**
Vinyl Chloride	0.54 J	**2.9**
Chloroform	ND	2.4 J

Sample ID	MW-6
Date	3/4/2021
VOCs	µg/l
Tetrachloroethene	0.49 J
Trichloroethene	ND
cis-1,2-Dichloroethene	ND
Vinyl Chloride	ND
Chloroform	ND

Analyte	NY-AWQS
VOCs	µg/l
Tetrachloroethene	5
Trichloroethene	5
cis-1,2-Dichloroethene	5
Vinyl Chloride	2
Chloroform	7

Sample ID	MW-1	
Date	10/4/2019	2/23/2021
VOCs	µg/l	
Tetrachloroethene	1.2	3.2
Trichloroethene	ND	0.21 J
cis-1,2-Dichloroethene	ND	ND
Vinyl Chloride	ND	ND
Chloroform	ND	ND

Sample ID	MW-4
Date	3/4/2021
VOCs	µg/l
Tetrachloroethene	**23**
Trichloroethene	1.9
cis-1,2-Dichloroethene	3.8
Vinyl Chloride	ND
Chloroform	ND

Sample ID	MW-2	
Date	10/4/2019	2/23/2021
VOCs	µg/l	
Tetrachloroethene	ND	ND
Trichloroethene	ND	ND
cis-1,2-Dichloroethene	ND	ND
Vinyl Chloride	ND	ND
Chloroform	ND	ND

Notes:

1. **Bold and shaded yellow value indicates concentration exceeds NY-AWQS**
2. NY-AWQS = NYSDEC Division of Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards (AWQS)
3. ND = Not detected
4. J = Estimated value

Legend

- Groundwater Sample Location (Tenen 2021)
- Cellar Spaces
- Site Boundary
- Tax Lot
- Home Store
- Boost Mobile
- Vacant Space

0 10 20 40 60 Feet

Site

Remedial Investigation Report
2921 Westchester Avenue
Bronx, New York
Block 4164, Lot 5

TENEN ENVIRONMENTAL
Tenen Environmental, LLC
121 West 27th Street
Suite 702
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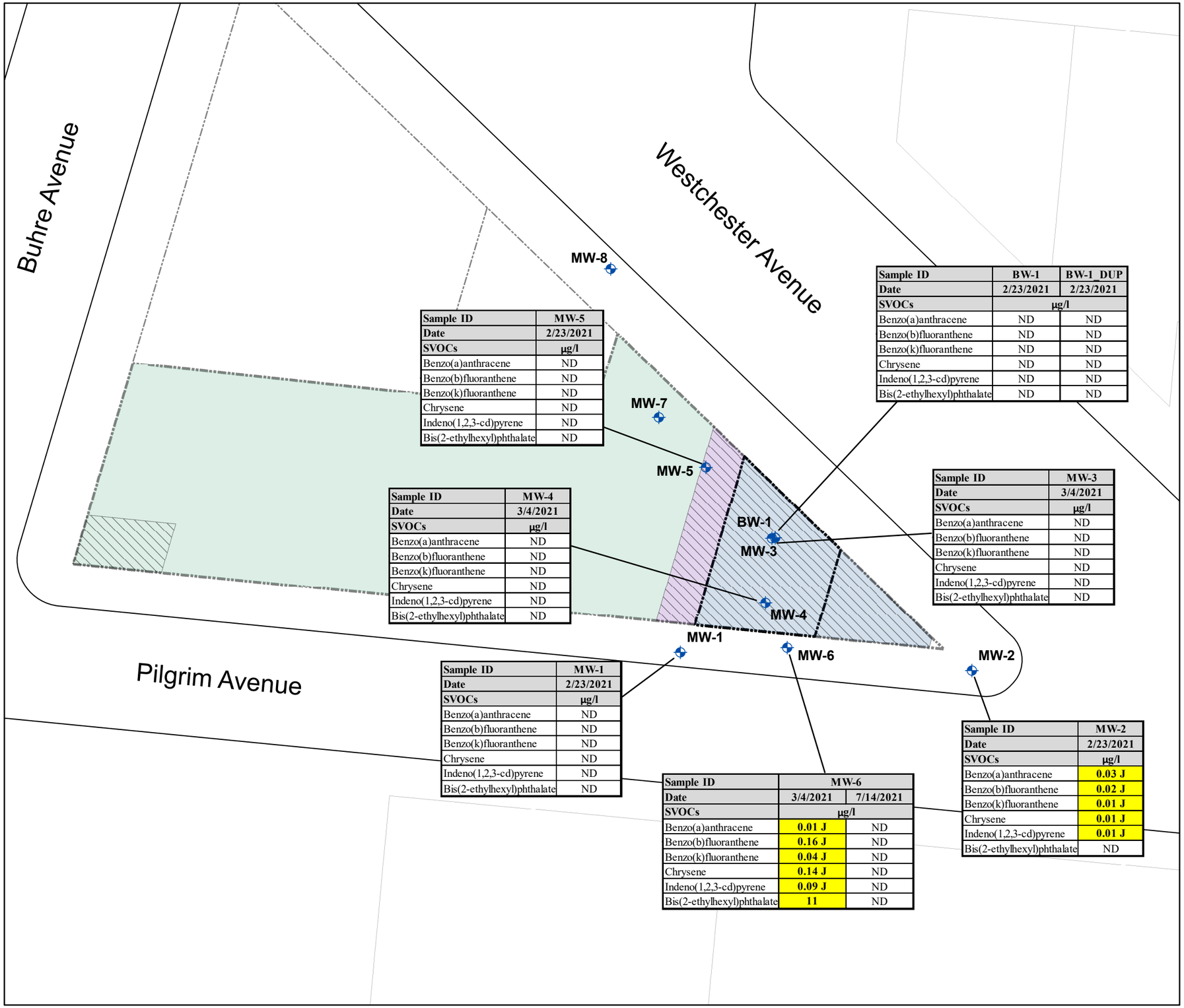
F: (646) 606-2379

Drawn By: LM
Checked By: AP
Date: July 2022
Scale: As Noted

Drawing Title: **Volatile Organic Compounds in Groundwater**

Drawing No: **Figure 7a**



Sample ID	MW-5
Date	2/23/2021
SVOCs	µg/l
Benzo(a)anthracene	ND
Benzo(b)fluoranthene	ND
Benzo(k)fluoranthene	ND
Chrysene	ND
Indeno(1,2,3-cd)pyrene	ND
Bis(2-ethylhexyl)phthalate	ND

Sample ID	BW-1	BW-1_DUP
Date	2/23/2021	2/23/2021
SVOCs	µg/l	
Benzo(a)anthracene	ND	ND
Benzo(b)fluoranthene	ND	ND
Benzo(k)fluoranthene	ND	ND
Chrysene	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND
Bis(2-ethylhexyl)phthalate	ND	ND

Sample ID	MW-4
Date	3/4/2021
SVOCs	µg/l
Benzo(a)anthracene	ND
Benzo(b)fluoranthene	ND
Benzo(k)fluoranthene	ND
Chrysene	ND
Indeno(1,2,3-cd)pyrene	ND
Bis(2-ethylhexyl)phthalate	ND

Sample ID	MW-3
Date	3/4/2021
SVOCs	µg/l
Benzo(a)anthracene	ND
Benzo(b)fluoranthene	ND
Benzo(k)fluoranthene	ND
Chrysene	ND
Indeno(1,2,3-cd)pyrene	ND
Bis(2-ethylhexyl)phthalate	ND

Sample ID	MW-1
Date	2/23/2021
SVOCs	µg/l
Benzo(a)anthracene	ND
Benzo(b)fluoranthene	ND
Benzo(k)fluoranthene	ND
Chrysene	ND
Indeno(1,2,3-cd)pyrene	ND
Bis(2-ethylhexyl)phthalate	ND

Sample ID	MW-6	
Date	3/4/2021	7/14/2021
SVOCs	µg/l	
Benzo(a)anthracene	**0.01 J**	ND
Benzo(b)fluoranthene	**0.16 J**	ND
Benzo(k)fluoranthene	**0.04 J**	ND
Chrysene	**0.14 J**	ND
Indeno(1,2,3-cd)pyrene	**0.09 J**	ND
Bis(2-ethylhexyl)phthalate	**11**	ND

Sample ID	MW-2
Date	2/23/2021
SVOCs	µg/l
Benzo(a)anthracene	**0.03 J**
Benzo(b)fluoranthene	**0.02 J**
Benzo(k)fluoranthene	**0.01 J**
Chrysene	**0.01 J**
Indeno(1,2,3-cd)pyrene	**0.01 J**
Bis(2-ethylhexyl)phthalate	ND

Analyte	NY-AWQS
SVOCs	µg/l
Benzo(a)anthracene	0.002
Benzo(b)fluoranthene	0.002
Benzo(k)fluoranthene	0.002
Chrysene	0.002
Indeno(1,2,3-cd)pyrene	0.002
Bis(2-ethylhexyl)phthalate	5

Notes:

1. **Bold and shaded yellow value indicates concentration exceeds NY-AWQS**
2. NY-AWQS = NYSDEC Division of Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards (AWQS)
3. ND = Not detected
4. J = Estimated value
5. MW-7 and MW-8 were not analyzed for SVOCs

Legend

- Groundwater Sample Location (Tenen 2021)
- Cellar Spaces
- Site Boundary
- Tax Lot
- Home Store
- Boost Mobile
- Vacant Space

0 5 10 20 30 40 Feet

Site
Remedial Investigation Report
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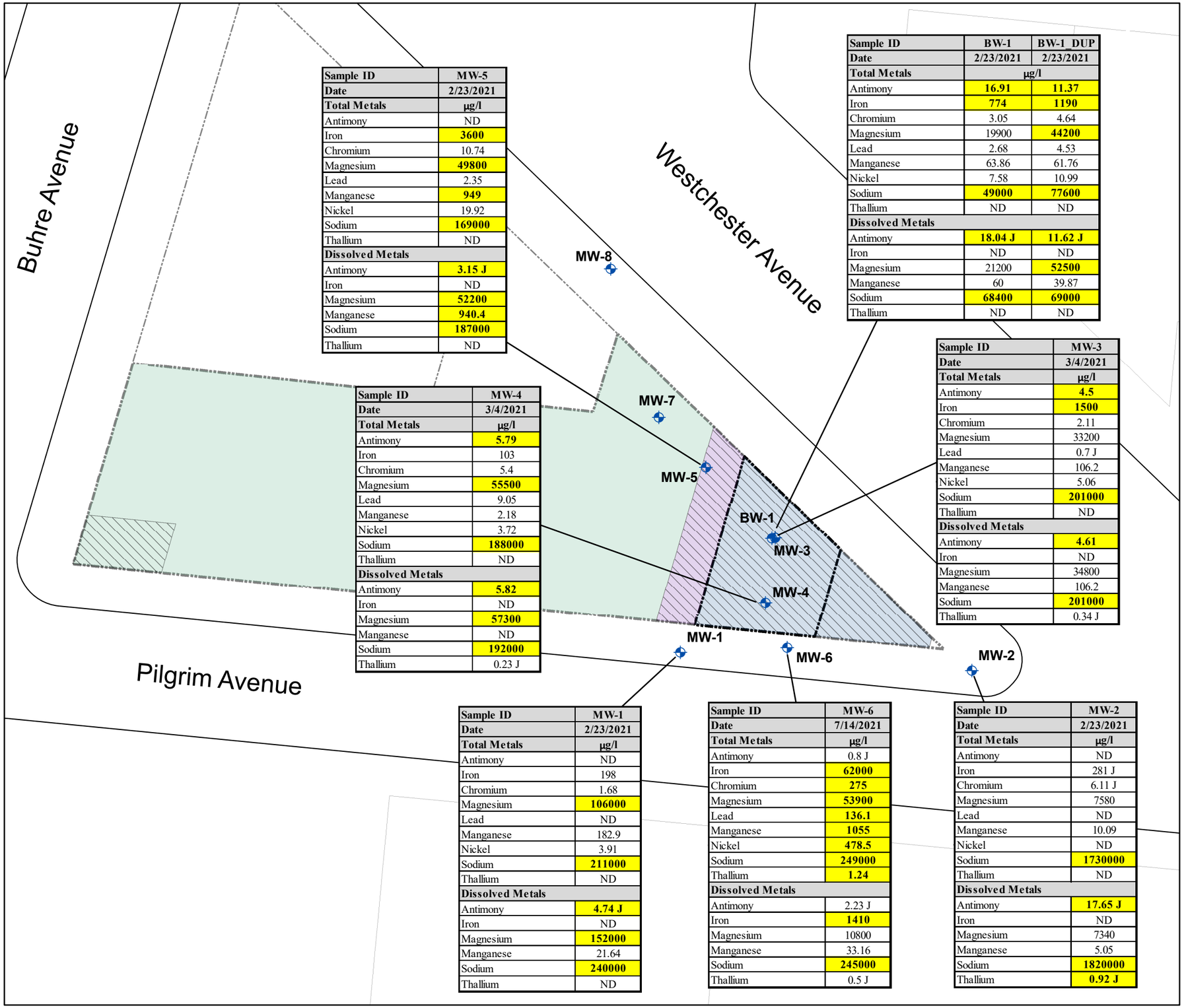
Drawn By: LM
Checked By: AP
Date: July 2022
Scale: As Noted

Drawing Title
Semivolatile Organic Compounds in Groundwater

Drawing No
Figure 7b



Sample ID	MW-5
Date	2/23/2021
Total Metals	µg/l
Antimony	ND
Iron	3600
Chromium	10.74
Magnesium	49800
Lead	2.35
Manganese	949
Nickel	19.92
Sodium	169000
Thallium	ND
Dissolved Metals	
Antimony	3.15 J
Iron	ND
Magnesium	52200
Manganese	940.4
Sodium	187000
Thallium	ND

Sample ID	BW-1	BW-1_DUP
Date	2/23/2021	2/23/2021
Total Metals	µg/l	
Antimony	16.91	11.37
Iron	774	1190
Chromium	3.05	4.64
Magnesium	19900	44200
Lead	2.68	4.53
Manganese	63.86	61.76
Nickel	7.58	10.99
Sodium	49000	77600
Thallium	ND	ND
Dissolved Metals		
Antimony	18.04 J	11.62 J
Iron	ND	ND
Magnesium	21200	52500
Manganese	60	39.87
Sodium	68400	69000
Thallium	ND	ND

Sample ID	MW-4
Date	3/4/2021
Total Metals	µg/l
Antimony	5.79
Iron	103
Chromium	5.4
Magnesium	55500
Lead	9.05
Manganese	2.18
Nickel	3.72
Sodium	188000
Thallium	ND
Dissolved Metals	
Antimony	5.82
Iron	ND
Magnesium	57300
Manganese	ND
Sodium	192000
Thallium	0.23 J

Sample ID	MW-3
Date	3/4/2021
Total Metals	µg/l
Antimony	4.5
Iron	1500
Chromium	2.11
Magnesium	33200
Lead	0.7 J
Manganese	106.2
Nickel	5.06
Sodium	201000
Thallium	ND
Dissolved Metals	
Antimony	4.61
Iron	ND
Magnesium	34800
Manganese	106.2
Sodium	201000
Thallium	0.34 J

Analyte	NY-AWQS
Total Metals	µg/l
Antimony	3
Iron	300
Chromium	50
Magnesium	35000
Lead	25
Manganese	300
Nickel	100
Sodium	20000
Thallium	0.5
Dissolved Metals	
Antimony	3
Iron	300
Magnesium	35000
Manganese	300
Sodium	20000
Thallium	0.5

Notes:

1. **Bold and shaded yellow value indicates concentration exceeds NY-AWQS**
2. NY-AWQS = NYSDEC Division of Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards (AWQS)
3. ND = Not detected
4. J = Estimated value
5. MW-7 and MW-8 were not analyzed for total or dissolved metals

Sample ID	MW-1
Date	2/23/2021
Total Metals	µg/l
Antimony	ND
Iron	198
Chromium	1.68
Magnesium	106000
Lead	ND
Manganese	182.9
Nickel	3.91
Sodium	211000
Thallium	ND
Dissolved Metals	
Antimony	4.74 J
Iron	ND
Magnesium	152000
Manganese	21.64
Sodium	240000
Thallium	ND

Sample ID	MW-6
Date	7/14/2021
Total Metals	µg/l
Antimony	0.8 J
Iron	62000
Chromium	275
Magnesium	53900
Lead	136.1
Manganese	1055
Nickel	478.5
Sodium	249000
Thallium	1.24
Dissolved Metals	
Antimony	2.23 J
Iron	1410
Magnesium	10800
Manganese	33.16
Sodium	245000
Thallium	0.5 J

Sample ID	MW-2
Date	2/23/2021
Total Metals	µg/l
Antimony	ND
Iron	281 J
Chromium	6.11 J
Magnesium	7580
Lead	ND
Manganese	10.09
Nickel	ND
Sodium	1730000
Thallium	ND
Dissolved Metals	
Antimony	17.65 J
Iron	ND
Magnesium	7340
Manganese	5.05
Sodium	1820000
Thallium	0.92 J

Legend

- Groundwater Sample Location (Tenen 2021)
- Cellar Spaces
- Site Boundary
- Tax Lot
- Home Store
- Boost Mobile
- Vacant Space

0 5 10 20 30 40 Feet

Site

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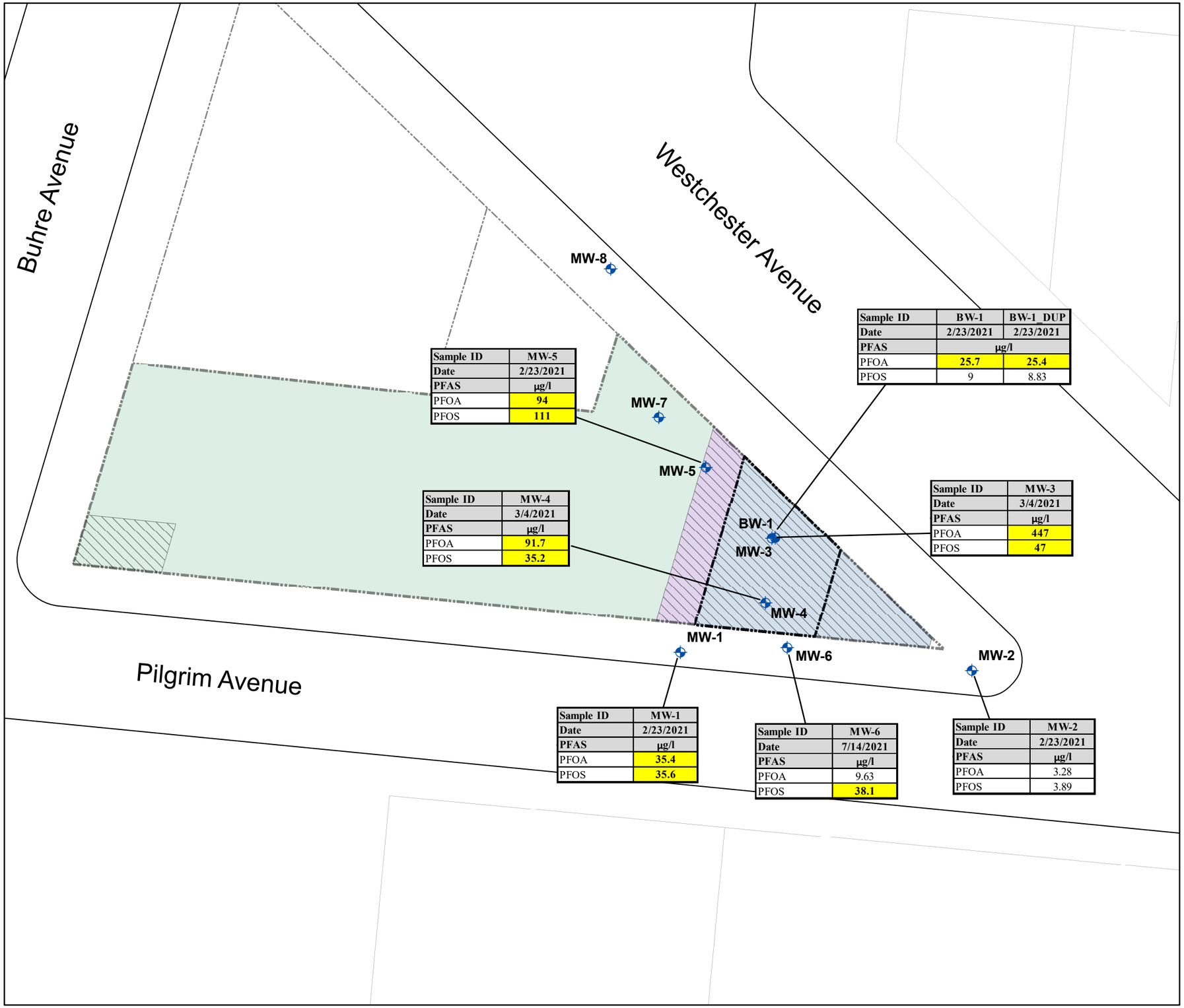
Checked By: AP
Date: July 2022
Scale: As Noted

Drawing Title: **Total and Dissolved Metals in Groundwater**

Drawing No: **Figure 7c**



Sample ID	MW-5
Date	2/23/2021
PFAS	µg/l
PFOA	94
PFOS	111

Sample ID	MW-4
Date	3/4/2021
PFAS	µg/l
PFOA	91.7
PFOS	35.2

Sample ID	BW-1	BW-1_DUP
Date	2/23/2021	2/23/2021
PFAS	µg/l	
PFOA	25.7	25.4
PFOS	9	8.83

Sample ID	MW-3
Date	3/4/2021
PFAS	µg/l
PFOA	447
PFOS	47

Sample ID	MW-1
Date	2/23/2021
PFAS	µg/l
PFOA	35.4
PFOS	35.6

Sample ID	MW-6
Date	7/14/2021
PFAS	µg/l
PFOA	9.63
PFOS	38.1

Sample ID	MW-2
Date	2/23/2021
PFAS	µg/l
PFOA	3.28
PFOS	3.89

Analyte	NY-PFAS
PFAS	µg/l
PFOA	10
PFOS	10

Notes:

1. **Bold and shaded yellow value indicates concentration exceeds NY-PFAS**
2. NY-PFAS = Guidelines for Sampling, Analysis, and Assessment of PFAS Under NYSDEC's Part 375 Remedial Programs, June 2021
3. ND = Not detected
4. J = Estimated value
5. MW-7 and MW-8 were not analyzed for emerging contaminants

Legend

- Groundwater Sample Location (Tenen 2021)
- Cellar Spaces
- Site Boundary
- Tax Lot
- Home Store
- Boost Mobile
- Vacant Space

0 5 10 20 30 40 Feet

Site
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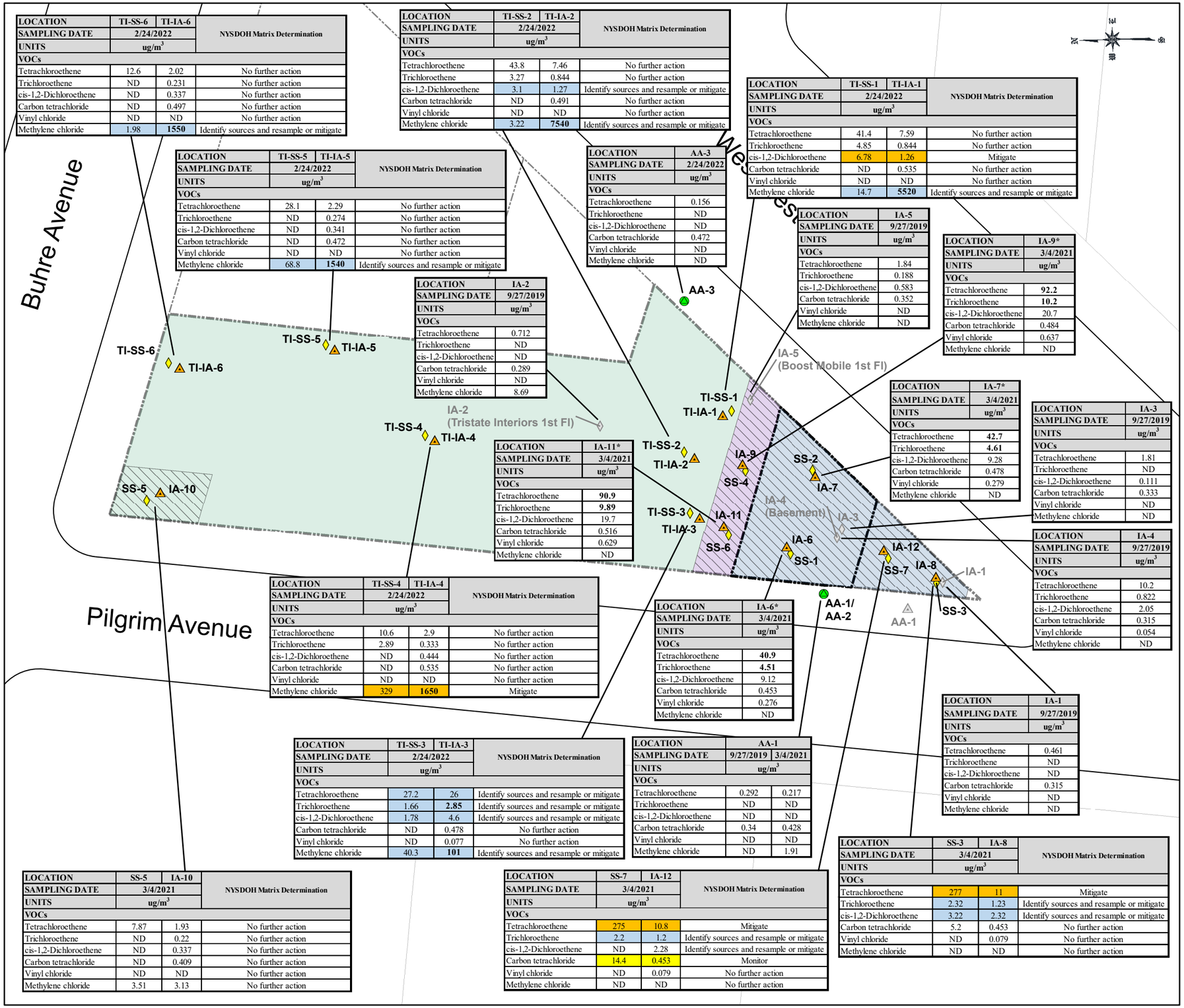
Drawn By	Checked By	Date	Scale
LM	AP	July 2022	As Noted

Drawing Title
Emerging Contaminants in Groundwater

Drawing No
Figure 7d



LOCATION	TI-SS-6	TI-IA-6	NYSDOH Matrix Determination
SAMPLING DATE	2/24/2022		
UNITS	ug/m^3		
VOCs			
Tetrachloroethene	12.6	2.02	No further action
Trichloroethene	ND	0.231	No further action
cis-1,2-Dichloroethene	ND	0.337	No further action
Carbon tetrachloride	ND	0.497	No further action
Vinyl chloride	ND	ND	No further action
Methylene chloride	1.98	**1550**	Identify sources and resample or mitigate

LOCATION	TI-SS-2	TI-IA-2	NYSDOH Matrix Determination
SAMPLING DATE	2/24/2022		
UNITS	ug/m^3		
VOCs			
Tetrachloroethene	43.8	7.46	No further action
Trichloroethene	3.27	0.844	No further action
cis-1,2-Dichloroethene	3.1	1.27	Identify sources and resample or mitigate
Carbon tetrachloride	ND	0.491	No further action
Vinyl chloride	ND	ND	No further action
Methylene chloride	3.22	**7540**	Identify sources and resample or mitigate

LOCATION	TI-SS-1	TI-IA-1	NYSDOH Matrix Determination
SAMPLING DATE	2/24/2022		
UNITS	ug/m^3		
VOCs			
Tetrachloroethene	41.4	7.59	No further action
Trichloroethene	4.85	0.844	No further action
cis-1,2-Dichloroethene	6.78	1.26	Mitigate
Carbon tetrachloride	ND	0.535	No further action
Vinyl chloride	ND	ND	No further action
Methylene chloride	14.7	**5520**	Identify sources and resample or mitigate

LOCATION	TI-SS-5	TI-IA-5	NYSDOH Matrix Determination
SAMPLING DATE	2/24/2022		
UNITS	ug/m^3		
VOCs			
Tetrachloroethene	28.1	2.29	No further action
Trichloroethene	ND	0.274	No further action
cis-1,2-Dichloroethene	ND	0.341	No further action
Carbon tetrachloride	ND	0.472	No further action
Vinyl chloride	ND	ND	No further action
Methylene chloride	68.8	**1540**	Identify sources and resample or mitigate

LOCATION	AA-3
SAMPLING DATE	2/24/2022
UNITS	ug/m^3
VOCs	
Tetrachloroethene	0.156
Trichloroethene	ND
cis-1,2-Dichloroethene	ND
Carbon tetrachloride	0.472
Vinyl chloride	ND
Methylene chloride	ND

LOCATION	IA-5
SAMPLING DATE	9/27/2019
UNITS	ug/m^3
VOCs	
Tetrachloroethene	1.84
Trichloroethene	0.188
cis-1,2-Dichloroethene	0.583
Carbon tetrachloride	0.352
Vinyl chloride	ND
Methylene chloride	ND

LOCATION	IA-9*
SAMPLING DATE	3/4/2021
UNITS	ug/m^3
VOCs	
Tetrachloroethene	**92.2**
Trichloroethene	**10.2**
cis-1,2-Dichloroethene	20.7
Carbon tetrachloride	0.484
Vinyl chloride	0.637
Methylene chloride	ND

LOCATION	IA-2
SAMPLING DATE	9/27/2019
UNITS	ug/m^3
VOCs	
Tetrachloroethene	0.712
Trichloroethene	ND
cis-1,2-Dichloroethene	ND
Carbon tetrachloride	0.289
Vinyl chloride	ND
Methylene chloride	8.69

LOCATION	IA-7*
SAMPLING DATE	3/4/2021
UNITS	ug/m^3
VOCs	
Tetrachloroethene	**42.7**
Trichloroethene	**4.61**
cis-1,2-Dichloroethene	9.28
Carbon tetrachloride	0.478
Vinyl chloride	0.279
Methylene chloride	ND

LOCATION	IA-3
SAMPLING DATE	9/27/2019
UNITS	ug/m^3
VOCs	
Tetrachloroethene	1.81
Trichloroethene	ND
cis-1,2-Dichloroethene	0.111
Carbon tetrachloride	0.333
Vinyl chloride	ND
Methylene chloride	ND

LOCATION	IA-11*
SAMPLING DATE	3/4/2021
UNITS	ug/m^3
VOCs	
Tetrachloroethene	**90.9**
Trichloroethene	**9.89**
cis-1,2-Dichloroethene	19.7
Carbon tetrachloride	0.516
Vinyl chloride	0.629
Methylene chloride	ND

LOCATION	IA-4
SAMPLING DATE	9/27/2019
UNITS	ug/m^3
VOCs	
Tetrachloroethene	10.2
Trichloroethene	0.822
cis-1,2-Dichloroethene	2.05
Carbon tetrachloride	0.315
Vinyl chloride	0.054
Methylene chloride	ND

LOCATION	TI-SS-4	TI-IA-4	NYSDOH Matrix Determination
SAMPLING DATE	2/24/2022		
UNITS	ug/m^3		
VOCs			
Tetrachloroethene	10.6	2.9	No further action
Trichloroethene	2.89	0.333	No further action
cis-1,2-Dichloroethene	ND	0.444	No further action
Carbon tetrachloride	ND	0.535	No further action
Vinyl chloride	ND	ND	No further action
Methylene chloride	329	**1650**	Mitigate

LOCATION	IA-6*
SAMPLING DATE	3/4/2021
UNITS	ug/m^3
VOCs	
Tetrachloroethene	**40.9**
Trichloroethene	**4.51**
cis-1,2-Dichloroethene	9.12
Carbon tetrachloride	0.453
Vinyl chloride	0.276
Methylene chloride	ND

LOCATION	IA-1
SAMPLING DATE	9/27/2019
UNITS	ug/m^3
VOCs	
Tetrachloroethene	0.461
Trichloroethene	ND
cis-1,2-Dichloroethene	ND
Carbon tetrachloride	0.315
Vinyl chloride	ND
Methylene chloride	ND

LOCATION	TI-SS-3	TI-IA-3	NYSDOH Matrix Determination
SAMPLING DATE	2/24/2022		
UNITS	ug/m^3		
VOCs			
Tetrachloroethene	27.2	26	Identify sources and resample or mitigate
Trichloroethene	1.66	**2.85**	Identify sources and resample or mitigate
cis-1,2-Dichloroethene	1.78	4.6	Identify sources and resample or mitigate
Carbon tetrachloride	ND	0.478	No further action
Vinyl chloride	ND	0.077	No further action
Methylene chloride	40.3	**101**	Identify sources and resample or mitigate

LOCATION	AA-1	
SAMPLING DATE	9/27/2019	3/4/2021
UNITS	ug/m^3	
VOCs		
Tetrachloroethene	0.292	0.217
Trichloroethene	ND	ND
cis-1,2-Dichloroethene	ND	ND
Carbon tetrachloride	0.34	0.428
Vinyl chloride	ND	ND
Methylene chloride	ND	1.91

LOCATION	SS-5	IA-10	NYSDOH Matrix Determination
SAMPLING DATE	3/4/2021		
UNITS	ug/m^3		
VOCs			
Tetrachloroethene	7.87	1.93	No further action
Trichloroethene	ND	0.22	No further action
cis-1,2-Dichloroethene	ND	0.337	No further action
Carbon tetrachloride	ND	0.409	No further action
Vinyl chloride	ND	ND	No further action
Methylene chloride	3.51	3.13	No further action

LOCATION	SS-7	IA-12	NYSDOH Matrix Determination
SAMPLING DATE	3/4/2021		
UNITS	ug/m^3		
VOCs			
Tetrachloroethene	275	10.8	Mitigate
Trichloroethene	2.2	1.2	Identify sources and resample or mitigate
cis-1,2-Dichloroethene	ND	2.28	Identify sources and resample or mitigate
Carbon tetrachloride	14.4	0.453	Monitor
Vinyl chloride	ND	0.079	No further action
Methylene chloride	ND	ND	No further action

LOCATION	SS-3	IA-8	NYSDOH Matrix Determination
SAMPLING DATE	3/4/2021		
UNITS	ug/m^3		
VOCs			
Tetrachloroethene	277	11	Mitigate
Trichloroethene	2.32	1.23	Identify sources and resample or mitigate
cis-1,2-Dichloroethene	3.22	2.32	Identify sources and resample or mitigate
Carbon tetrachloride	5.2	0.453	No further action
Vinyl chloride	ND	0.079	No further action
Methylene chloride	ND	ND	No further action

Analyte	NYSDOH AGV
VOCs	ug/m^3
Tetrachloroethene	30
Trichloroethene	2
cis-1,2-Dichloroethene	NS
Carbon tetrachloride	NS
Vinyl chloride	NS
Methylene chloride	60

Notes:

1. Shaded blue value indicates "Identify sources and resample or mitigate" matrix decision
2. Shaded yellow value indicates "Monitor" matrix decision
3. Shaded orange value indicates "Mitigate" matrix decision
4. **Bold value indicates concentration exceeds NYSDOH AGVs**
5. NYSDOH AGVs = New York State Department of Health Air Guideline Values, Table 3.1 in NYSDOH Soil Vapor Guidance, October 2006 with May 2017 updates
6. Only indoor air concentrations are compared to NYSDOH AGVs
7. NYSDOH matrix determinations are described in the report narrative and the NYSDOH Soil Vapor Guidance, October 2006 with May 2017 updates
8. ND = Not detected
9. NS = No standard
10. * = Sampling location where a sub-slab soil vapor sample could not be collected due to water being pulled from the sub-slab vapor point during purging of ambient air
11. A matrix determination will be made for all indoor air samples that are not associated with a sub-slab soil vapor sample once the sub-slab soil vapor samples are collected.
12. Indoor air samples IA-1, IA-2, IA-3, IA-5, TI-IA-1, TI-IA-2, TI-IA-3, TI-IA-4, TI-IA-5, and TI-IA-6 were collected from the first floor of their respective tenant spaces.
13. Indoor air samples IA-4, IA-6, IA-7, IA-8, IA-9, IA-10, IA-11, and IA-12 were collected from the sub-grade cellar of their respective tenant spaces.

Legend

- Tax Lot
- Site Boundary
- Cellar Spaces
- Home Store
- Boost Mobile
- Vacant Space

RI Locations (Tenen 2021)

- Outdoor Air Sample Location
- Indoor Air Sample Location
- Sub-Slab Soil Vapor Location

Due Diligence Locations (Tenen 2019)

- Ambient Air Sample Location
- Indoor Air Sample Location

0 15 30 60 Feet

Site: **Remedial Investigation Report 2921 Westchester Avenue Bronx, New York Block 4164, Lot 5**

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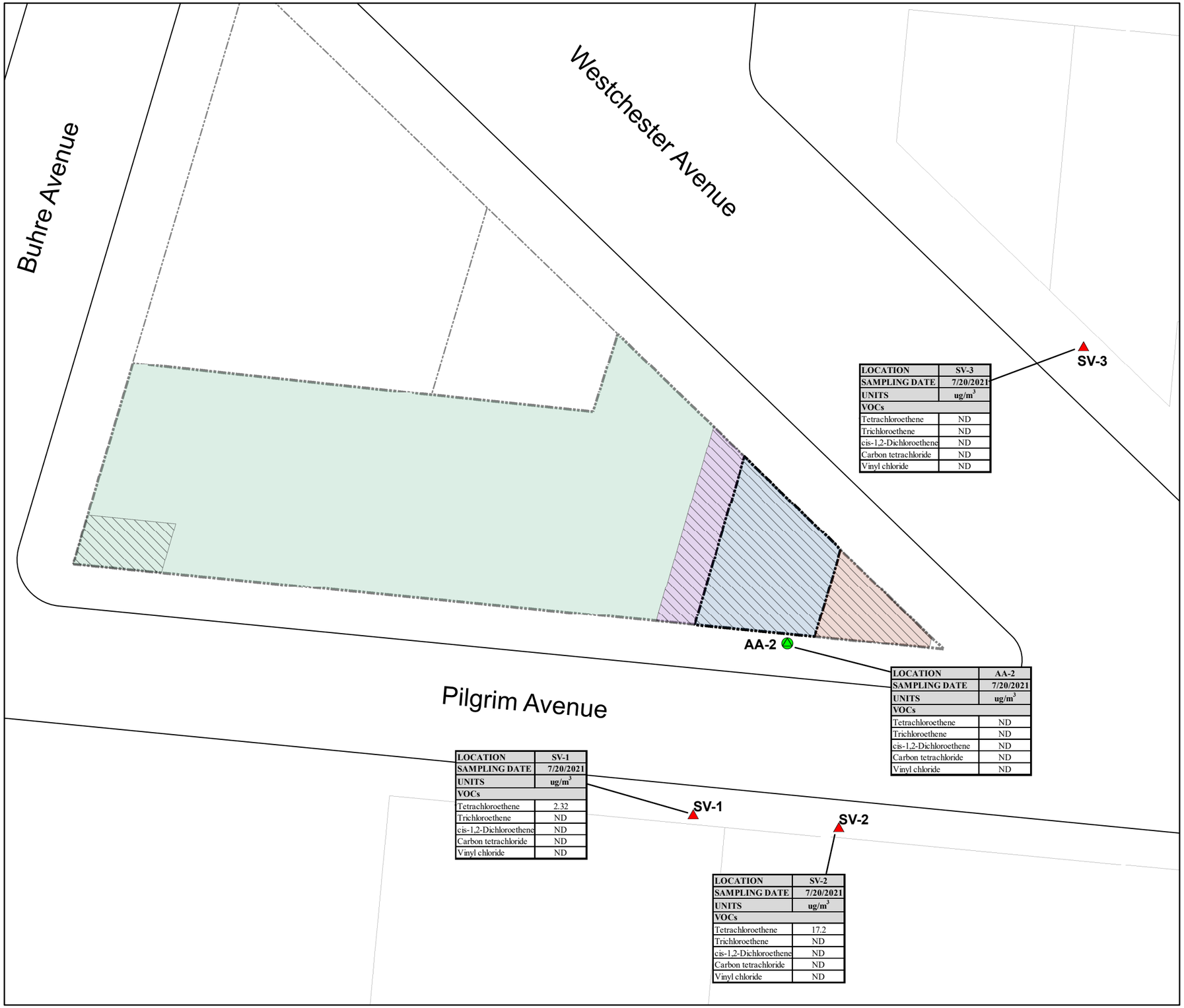
Drawn By	Checked By	Date	Scale
LM	AP	July 2022	As Noted

Drawing Title: **Sub-Slab Soil Vapor and Indoor Air Analytical Results**

Drawing No: **Figure 8**



LOCATION	SV-3
SAMPLING DATE	7/20/2021
UNITS	ug/m^3
VOCs	
Tetrachloroethene	ND
Trichloroethene	ND
cis-1,2-Dichloroethene	ND
Carbon tetrachloride	ND
Vinyl chloride	ND

LOCATION	AA-2
SAMPLING DATE	7/20/2021
UNITS	ug/m^3
VOCs	
Tetrachloroethene	ND
Trichloroethene	ND
cis-1,2-Dichloroethene	ND
Carbon tetrachloride	ND
Vinyl chloride	ND

LOCATION	SV-1
SAMPLING DATE	7/20/2021
UNITS	ug/m^3
VOCs	
Tetrachloroethene	2.32
Trichloroethene	ND
cis-1,2-Dichloroethene	ND
Carbon tetrachloride	ND
Vinyl chloride	ND

LOCATION	SV-2
SAMPLING DATE	7/20/2021
UNITS	ug/m^3
VOCs	
Tetrachloroethene	17.2
Trichloroethene	ND
cis-1,2-Dichloroethene	ND
Carbon tetrachloride	ND
Vinyl chloride	ND

Notes:

1. ND = Not detected

Analyte	NYSDOH AGV
VOCs	ug/m^3
Tetrachloroethene	30
Trichloroethene	2
cis-1,2-Dichloroethene	NS
Carbon tetrachloride	NS
Vinyl chloride	NS

Legend

- Soil Vapor Sample Location (Tenen 2021)
- Outdoor Air Sample Location (Tenen 2021)
- Cellar Spaces
- Home Store
- Boost Mobile
- Vacant Space
- Vacant Space
- Site Boundary
- Tax Lot

0 5 10 20 30 40 Feet

Site

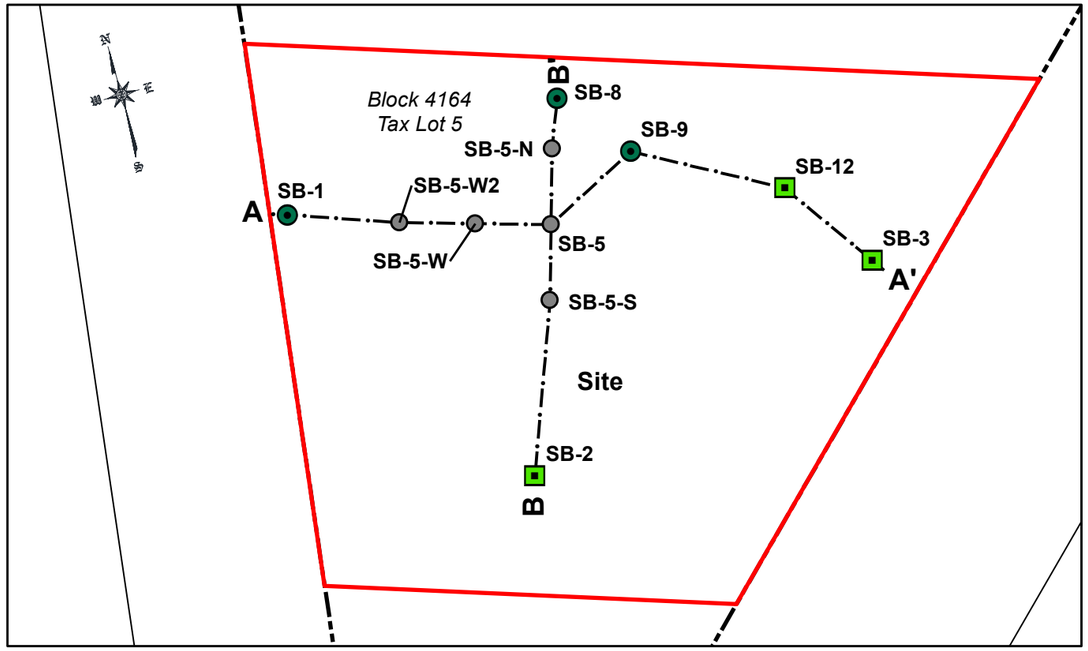
Remedial Investigation Report
2921 Westchester Avenue
Bronx, New York
Block 4164, Lot 5

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

Drawn By: LM
Checked By: AP
Date: September 2021
Scale: As Noted

Drawing Title: **Exterior Soil Vapor Analytical Results**

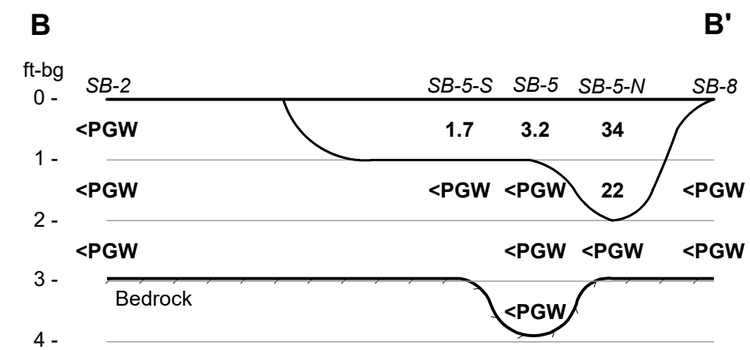
Drawing No: **Figure 9**



Source: NYC DOF - Digital Tax Map

Plan View

0 5 10 20 Feet



Section B-B'

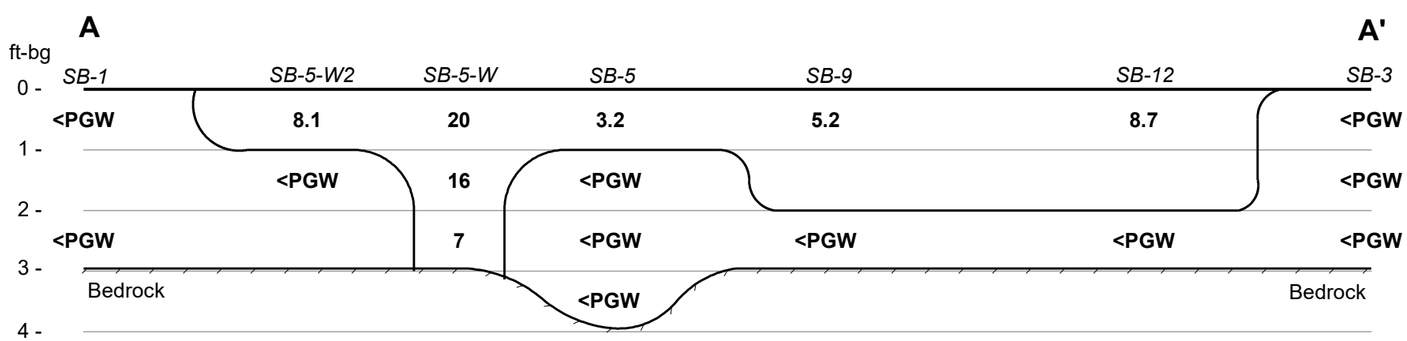
Horiz. Scale 1" = 5'
Vert. Scale 1" = 2.5'

Approximate Areas of PCE in Soil		
Depth	Area > 10 mg/kg	Area <10 mg/kg, >PGW
0-1 ft	179 sf	401 sf
1-2 ft	34 sf	445 sf
2-3 ft	0	113 sf

Legend

- Delineation Boring Sample Location
- Characterization Boring Sample Location
- Soil Delineation Sample Locations
- Site Location 2921 Westchester Avenue
- Block 4164, Tax Lot 5

Note:
PGW - Protection of Groundwater Standard



Section A-A'

Horiz. Scale 1" = 5'
Vert. Scale 1" = 2.5'

Site

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2921 Westchester Avenue
Bronx, New York
Block 4164, Lot 5

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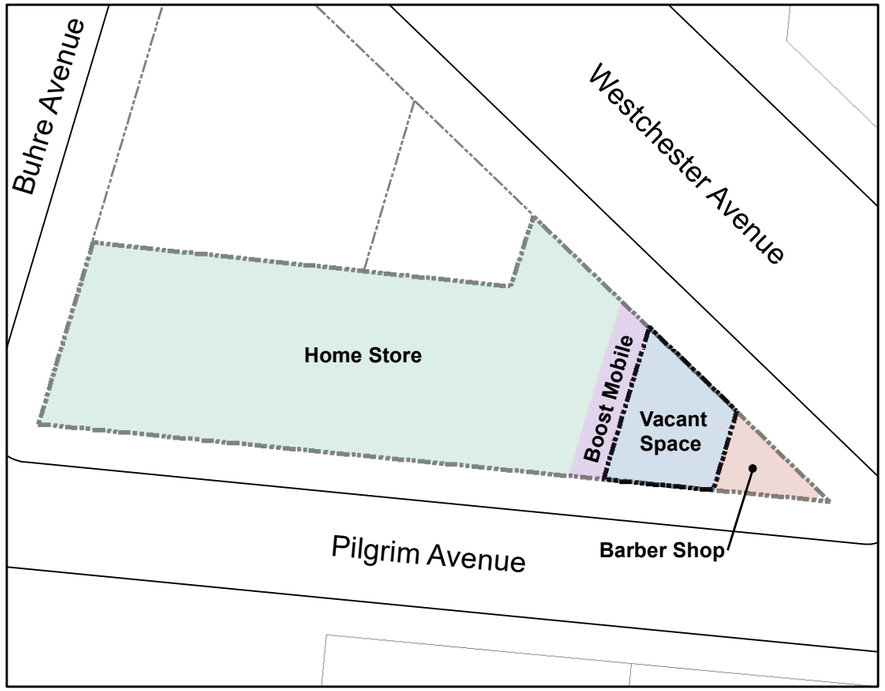
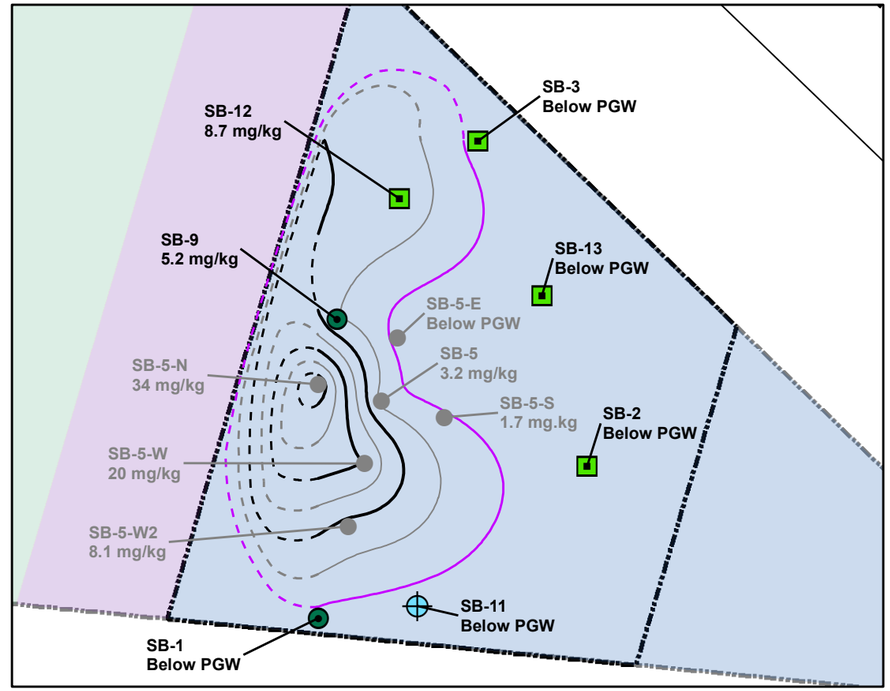
Drawn By	Checked By	Date	Scale
LM	AP	July 2022	As Noted

Drawing Title
PCE Impacts above Groundwater Standards - Cross-Sections

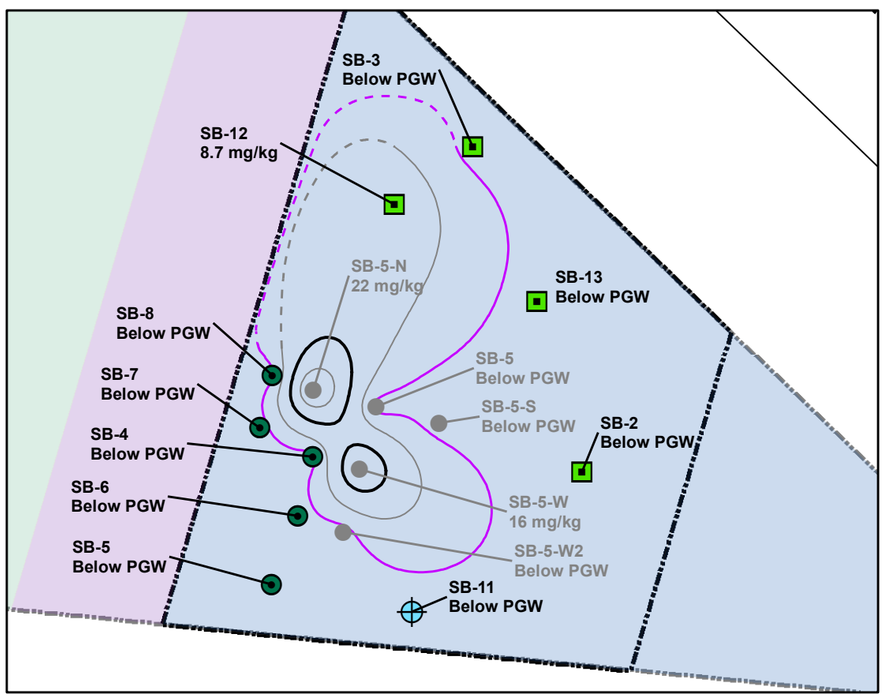
Drawing No
Figure 10



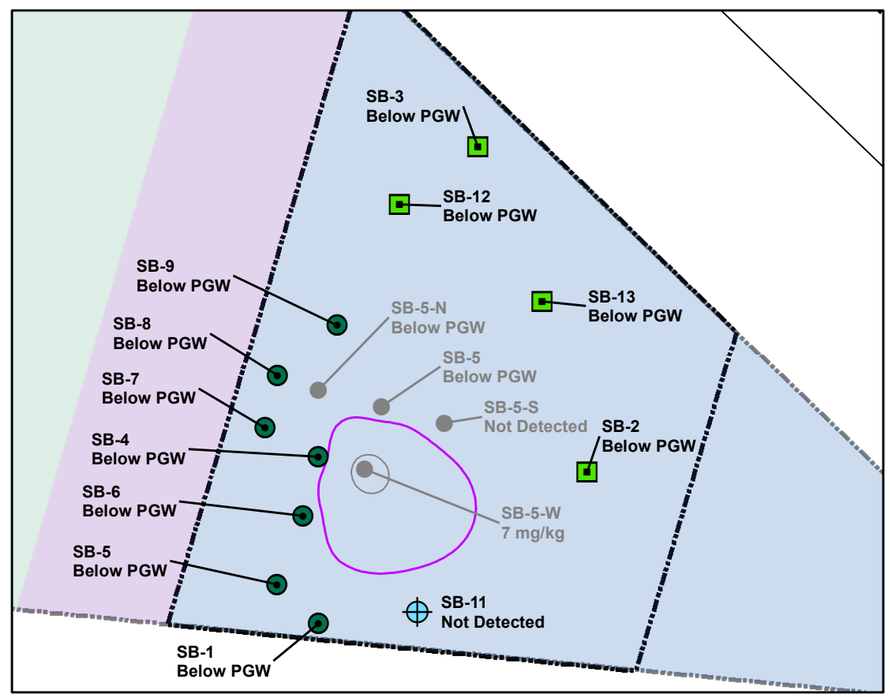
Key Map



PCE in Soil (0 to 1 ft depth)



PCE in Soil (1 to 2 ft depth)



PCE in Soil (2 to 3 ft depth)

Approximate Areas of PCE in Soil		
Depth	Area > 10 mg/kg	Area <10 mg/kg, >PGW
0-1 ft	179 sf	401 sf
1-2 ft	34 sf	445 sf
2-3 ft	0	113 sf

Legend

- Delineation Boring Sample Location (Tenen 2021)
- Characterization Boring Sample Location (Tenen 2021)
- Soil Boring/ Monitoring Well Location (Tenen 2021)
- Soil Delineation Sample Locations (Tenen 2019)
- Tax Lot
- Home Store
- Boost Mobile
- Vacant Space
- Site Boundary

PCE Contours

- PGW Contour
- Intermediate 5-ft Contour
- Index 10-ft Contour

0 3 6 12 18 24 Feet

Site
Remedial Investigation Report
2921 Westchester Avenue
Bronx, New York
Block 4164, Lot 5

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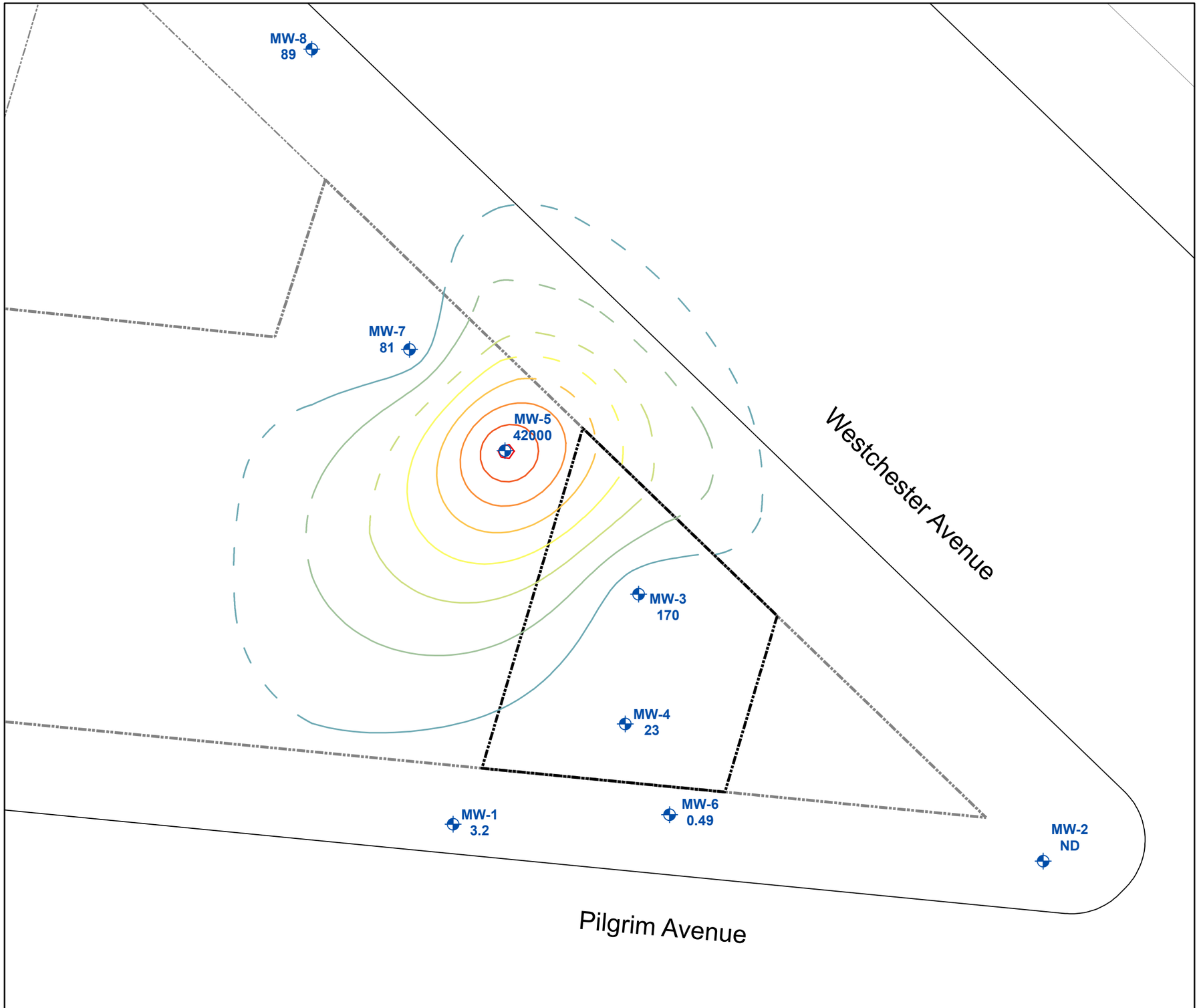
F: (646) 606-2379

Drawn By	Checked By	Date	Scale
LM	AP	July 2022	As Noted

Drawing Title
PCE Isopleths in Soil (0 to 1ft, 1 ft to 2 ft, & 2 ft to 3 ft depths)

Drawing No
Figure 11



Legend

- Well Locations
- Tax Lot

ZLEVEL

- 0
- 5000
- 10000
- 15000
- 20000
- 25000
- 30000
- 35000
- 40000
- Site Boundary

PCE in Groundwater
ug/l

- 5000
- 10000
- 15000
- 20000
- 25000
- 30000
- 35000
- 40000

0 5 10 20 30 Feet

Site

Remedial Investigation Report
2921 Westchester Avenue
Bronx, New York
Block 4164, Lot 5

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121 West 27th Street
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Drawn By	LM
Checked By	AP
Date	July 2022
Scale	As Noted

Drawing Title: **PCE in Groundwater Isopleth**

Drawing No: **Figure 12**

Tables

Table 1a. Volatile Organic Compounds in Soil
2921 Westchester Avenue
BCP Site No. C203140

SAMPLE ID:	NY-PGW	NY-RESC	Units	SB-1 (0-1)		SB-1 (2-3)		SB-2 (0-2)	
LAB ID:				L2107354-01		L2107354-03		L2107354-04	
COLLECTION DATE:				2/15/2021		2/15/2021		2/15/2021	
					Qual		Qual		Qual
General Chemistry									
Solids, Total	NS	NS	%	76.9		92.8		86.2	
Volatile Organic Compounds by EPA 5035									
Methylene chloride	0.05	500	mg/kg	ND		ND		ND	
1,1-Dichloroethane	0.27	240	mg/kg	ND		ND		ND	
Chloroform	0.37	350	mg/kg	ND		ND		ND	
Carbon tetrachloride	0.76	22	mg/kg	ND		ND		ND	
1,2-Dichloropropane	NS	NS	mg/kg	ND		ND		ND	
Dibromochloromethane	NS	NS	mg/kg	ND		ND		ND	
1,1,2-Trichloroethane	NS	NS	mg/kg	ND		ND		ND	
Tetrachloroethene	1.3	150	mg/kg	0.055		0.0039		0.0004	J
Chlorobenzene	1.1	500	mg/kg	ND		ND		ND	
Trichlorofluoromethane	NS	NS	mg/kg	ND		ND		ND	
1,2-Dichloroethane	0.02	30	mg/kg	ND		ND		ND	
1,1,1-Trichloroethane	0.68	500	mg/kg	ND		ND		ND	
Bromodichloromethane	NS	NS	mg/kg	ND		ND		ND	
trans-1,3-Dichloropropene	NS	NS	mg/kg	ND		ND		ND	
cis-1,3-Dichloropropene	NS	NS	mg/kg	ND		ND		ND	
1,3-Dichloropropene, Total	NS	NS	mg/kg	ND		ND		ND	
1,1-Dichloropropene	NS	NS	mg/kg	ND		ND		ND	
Bromoform	NS	NS	mg/kg	ND		ND		ND	
1,1,2,2-Tetrachloroethane	NS	NS	mg/kg	ND		ND		ND	
Benzene	0.06	44	mg/kg	ND		ND		ND	
Toluene	0.7	500	mg/kg	ND		ND		ND	
Ethylbenzene	1	390	mg/kg	ND		ND		ND	
Chloromethane	NS	NS	mg/kg	ND		ND		ND	
Bromomethane	NS	NS	mg/kg	ND		ND		ND	
Vinyl chloride	0.02	13	mg/kg	ND		ND		**0.024**	
Chloroethane	NS	NS	mg/kg	ND		ND		ND	
1,1-Dichloroethene	0.33	500	mg/kg	ND		ND		ND	
trans-1,2-Dichloroethene	0.19	500	mg/kg	ND		ND		0.00064	J
Trichloroethene	0.47	200	mg/kg	0.0099		ND		0.00035	J
1,2-Dichlorobenzene	1.1	500	mg/kg	ND		ND		ND	
1,3-Dichlorobenzene	2.4	280	mg/kg	ND		ND		ND	
1,4-Dichlorobenzene	1.8	130	mg/kg	ND		ND		ND	
Methyl tert butyl ether	0.93	500	mg/kg	ND		ND		ND	
p/m-Xylene	NS	NS	mg/kg	ND		ND		ND	
o-Xylene	NS	NS	mg/kg	ND		ND		ND	
Xylenes, Total	1.6	500	mg/kg	ND		ND		ND	
cis-1,2-Dichloroethene	0.25	500	mg/kg	0.012		ND		0.065	
1,2-Dichloroethene, Total	NS	NS	mg/kg	0.012		ND		0.066	J
Dibromomethane	NS	NS	mg/kg	ND		ND		ND	
Styrene	NS	NS	mg/kg	ND		ND		ND	
Dichlorodifluoromethane	NS	NS	mg/kg	ND		ND		ND	

Table 1a. Volatile Organic Compounds in Soil
2921 Westchester Avenue
BCP Site No. C203140

SAMPLE ID:	NY-PGW	NY-RESC	Units	SB-1 (0-1)	SB-1 (2-3)	SB-2 (0-2)
LAB ID:				L2107354-01	L2107354-03	L2107354-04
COLLECTION DATE:				2/15/2021	2/15/2021	2/15/2021
				Qual	Qual	Qual
Acetone	0.05	500	mg/kg	ND	0.011	0.013
Carbon disulfide	NS	NS	mg/kg	ND	ND	ND
2-Butanone	0.12	500	mg/kg	ND	ND	ND
Vinyl acetate	NS	NS	mg/kg	ND	ND	ND
4-Methyl-2-pentanone	NS	NS	mg/kg	ND	ND	ND
1,2,3-Trichloropropane	NS	NS	mg/kg	ND	ND	ND
2-Hexanone	NS	NS	mg/kg	ND	ND	ND
Bromochloromethane	NS	NS	mg/kg	ND	ND	ND
2,2-Dichloropropane	NS	NS	mg/kg	ND	ND	ND
1,2-Dibromoethane	NS	NS	mg/kg	ND	ND	ND
1,3-Dichloropropane	NS	NS	mg/kg	ND	ND	ND
1,1,1,2-Tetrachloroethane	NS	NS	mg/kg	ND	ND	ND
Bromobenzene	NS	NS	mg/kg	ND	ND	ND
n-Butylbenzene	12	500	mg/kg	ND	ND	ND
sec-Butylbenzene	11	500	mg/kg	ND	ND	ND
tert-Butylbenzene	5.9	500	mg/kg	ND	ND	ND
o-Chlorotoluene	NS	NS	mg/kg	ND	ND	ND
p-Chlorotoluene	NS	NS	mg/kg	ND	ND	ND
1,2-Dibromo-3-chloropropane	NS	NS	mg/kg	ND	ND	ND
Hexachlorobutadiene	NS	NS	mg/kg	ND	ND	ND
Isopropylbenzene	NS	NS	mg/kg	ND	ND	ND
p-Isopropyltoluene	NS	NS	mg/kg	ND	ND	ND
Naphthalene	12	500	mg/kg	ND	ND	ND
Acrylonitrile	NS	NS	mg/kg	ND	ND	ND
n-Propylbenzene	3.9	500	mg/kg	ND	ND	ND
1,2,3-Trichlorobenzene	NS	NS	mg/kg	ND	ND	ND
1,2,4-Trichlorobenzene	NS	NS	mg/kg	ND	ND	ND
1,3,5-Trimethylbenzene	8.4	190	mg/kg	ND	ND	ND
1,2,4-Trimethylbenzene	3.6	190	mg/kg	ND	ND	ND
1,4-Dioxane	0.1	130	mg/kg	ND	ND	ND
p-Diethylbenzene	NS	NS	mg/kg	ND	ND	ND
p-Ethyltoluene	NS	NS	mg/kg	ND	ND	ND
1,2,4,5-Tetramethylbenzene	NS	NS	mg/kg	ND	ND	ND
Ethyl ether	NS	NS	mg/kg	ND	ND	ND
trans-1,4-Dichloro-2-butene	NS	NS	mg/kg	ND	ND	ND
Freon-113	NS	NS	mg/kg	--	--	--
Methyl cyclohexane	NS	NS	mg/kg	--	--	--
Methyl acetate	NS	NS	mg/kg	--	--	--
Cyclohexane	NS	NS	mg/kg	--	--	--
Volatile Organic Compounds by EPA 5035 High						
Methylene chloride	0.05	500	mg/kg	--	--	--
1,1-Dichloroethane	0.27	240	mg/kg	--	--	--
Chloroform	0.37	350	mg/kg	--	--	--
Carbon tetrachloride	0.76	22	mg/kg	--	--	--

Table 1a. Volatile Organic Compounds in Soil
2921 Westchester Avenue
BCP Site No. C203140

SAMPLE ID:	NY-PGW	NY-RESC	Units	SB-1 (0-1)	SB-1 (2-3)	SB-2 (0-2)
LAB ID:				L2107354-01	L2107354-03	L2107354-04
COLLECTION DATE:				2/15/2021	2/15/2021	2/15/2021
				Qual	Qual	Qual
1,2-Dichloropropane	NS	NS	mg/kg	--	--	--
Dibromochloromethane	NS	NS	mg/kg	--	--	--
1,1,2-Trichloroethane	NS	NS	mg/kg	--	--	--
Tetrachloroethene	1.3	150	mg/kg	--	--	--
Chlorobenzene	1.1	500	mg/kg	--	--	--
Trichlorofluoromethane	NS	NS	mg/kg	--	--	--
1,2-Dichloroethane	0.02	30	mg/kg	--	--	--
1,1,1-Trichloroethane	0.68	500	mg/kg	--	--	--
Bromodichloromethane	NS	NS	mg/kg	--	--	--
trans-1,3-Dichloropropene	NS	NS	mg/kg	--	--	--
cis-1,3-Dichloropropene	NS	NS	mg/kg	--	--	--
1,3-Dichloropropene, Total	NS	NS	mg/kg	--	--	--
1,1-Dichloropropene	NS	NS	mg/kg	--	--	--
Bromoform	NS	NS	mg/kg	--	--	--
1,1,2,2-Tetrachloroethane	NS	NS	mg/kg	--	--	--
Benzene	0.06	44	mg/kg	--	--	--
Toluene	0.7	500	mg/kg	--	--	--
Ethylbenzene	1	390	mg/kg	--	--	--
Chloromethane	NS	NS	mg/kg	--	--	--
Bromomethane	NS	NS	mg/kg	--	--	--
Vinyl chloride	0.02	13	mg/kg	--	--	--
Chloroethane	NS	NS	mg/kg	--	--	--
1,1-Dichloroethene	0.33	500	mg/kg	--	--	--
trans-1,2-Dichloroethene	0.19	500	mg/kg	--	--	--
Trichloroethene	0.47	200	mg/kg	--	--	--
1,2-Dichlorobenzene	1.1	500	mg/kg	--	--	--
1,3-Dichlorobenzene	2.4	280	mg/kg	--	--	--
1,4-Dichlorobenzene	1.8	130	mg/kg	--	--	--
Methyl tert butyl ether	0.93	500	mg/kg	--	--	--
p/m-Xylene	NS	NS	mg/kg	--	--	--
o-Xylene	NS	NS	mg/kg	--	--	--
Xylenes, Total	1.6	500	mg/kg	--	--	--
cis-1,2-Dichloroethene	0.25	500	mg/kg	--	--	--
1,2-Dichloroethene, Total	NS	NS	mg/kg	--	--	--
Dibromomethane	NS	NS	mg/kg	--	--	--
Styrene	NS	NS	mg/kg	--	--	--
Dichlorodifluoromethane	NS	NS	mg/kg	--	--	--
Acetone	0.05	500	mg/kg	--	--	--
Carbon disulfide	NS	NS	mg/kg	--	--	--
2-Butanone	0.12	500	mg/kg	--	--	--
Vinyl acetate	NS	NS	mg/kg	--	--	--
4-Methyl-2-pentanone	NS	NS	mg/kg	--	--	--
1,2,3-Trichloropropane	NS	NS	mg/kg	--	--	--
2-Hexanone	NS	NS	mg/kg	--	--	--

Table 1a. Volatile Organic Compounds in Soil
2921 Westchester Avenue
BCP Site No. C203140

SAMPLE ID:	NY-PGW	NY-RESC	Units	SB-1 (0-1)	SB-1 (2-3)	SB-2 (0-2)
LAB ID:				L2107354-01	L2107354-03	L2107354-04
COLLECTION DATE:				2/15/2021	2/15/2021	2/15/2021
				Qual	Qual	Qual
Bromochloromethane	NS	NS	mg/kg	--	--	--
2,2-Dichloropropane	NS	NS	mg/kg	--	--	--
1,2-Dibromoethane	NS	NS	mg/kg	--	--	--
1,3-Dichloropropane	NS	NS	mg/kg	--	--	--
1,1,1,2-Tetrachloroethane	NS	NS	mg/kg	--	--	--
Bromobenzene	NS	NS	mg/kg	--	--	--
n-Butylbenzene	12	500	mg/kg	--	--	--
sec-Butylbenzene	11	500	mg/kg	--	--	--
tert-Butylbenzene	5.9	500	mg/kg	--	--	--
o-Chlorotoluene	NS	NS	mg/kg	--	--	--
p-Chlorotoluene	NS	NS	mg/kg	--	--	--
1,2-Dibromo-3-chloropropane	NS	NS	mg/kg	--	--	--
Hexachlorobutadiene	NS	NS	mg/kg	--	--	--
Isopropylbenzene	NS	NS	mg/kg	--	--	--
p-Isopropyltoluene	NS	NS	mg/kg	--	--	--
Naphthalene	12	500	mg/kg	--	--	--
Acrylonitrile	NS	NS	mg/kg	--	--	--
n-Propylbenzene	3.9	500	mg/kg	--	--	--
1,2,3-Trichlorobenzene	NS	NS	mg/kg	--	--	--
1,2,4-Trichlorobenzene	NS	NS	mg/kg	--	--	--
1,3,5-Trimethylbenzene	8.4	190	mg/kg	--	--	--
1,2,4-Trimethylbenzene	3.6	190	mg/kg	--	--	--
1,4-Dioxane	0.1	130	mg/kg	--	--	--
p-Diethylbenzene	NS	NS	mg/kg	--	--	--
p-Ethyltoluene	NS	NS	mg/kg	--	--	--
1,2,4,5-Tetramethylbenzene	NS	NS	mg/kg	--	--	--
Ethyl ether	NS	NS	mg/kg	--	--	--
trans-1,4-Dichloro-2-butene	NS	NS	mg/kg	--	--	--

Notes:

Bold and shaded yellow value indicates concentration exceeds NY-PGW SCOs

Bold and shaded orange value indicates concentration exceeds NY-RESC SCOs

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

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

E = Concentration exceeds calibration curve of the instrument

J = Estimated value

ND = Not detected

NS = No standard

-- = Not analyzed

Table 1a. Volatile Organic Compounds in Soil
2921 Westchester Avenue
BCP Site No. C203140

SAMPLE ID:	NY-PGW	NY-RESC	Units	SB-2 (2-3)		SB-3 (0-2)		SB-3 (2-3)	
LAB ID:				L2107354-05		L2107354-06		L2107354-08	
COLLECTION DATE:				2/15/2021		2/15/2021		2/15/2021	
					Qual		Qual		Qual
General Chemistry									
Solids, Total	NS	NS	%	90.6		82.8		88.1	
Volatile Organic Compounds by EPA 5035									
Methylene chloride	0.05	500	mg/kg	ND		ND		ND	
1,1-Dichloroethane	0.27	240	mg/kg	ND		ND		ND	
Chloroform	0.37	350	mg/kg	ND		ND		ND	
Carbon tetrachloride	0.76	22	mg/kg	ND		ND		ND	
1,2-Dichloropropane	NS	NS	mg/kg	ND		ND		ND	
Dibromochloromethane	NS	NS	mg/kg	ND		ND		ND	
1,1,2-Trichloroethane	NS	NS	mg/kg	ND		ND		ND	
Tetrachloroethene	1.3	150	mg/kg	0.0052		0.0019		0.0005	
Chlorobenzene	1.1	500	mg/kg	ND		ND		ND	
Trichlorofluoromethane	NS	NS	mg/kg	ND		ND		ND	
1,2-Dichloroethane	0.02	30	mg/kg	ND		ND		ND	
1,1,1-Trichloroethane	0.68	500	mg/kg	ND		ND		ND	
Bromodichloromethane	NS	NS	mg/kg	ND		ND		ND	
trans-1,3-Dichloropropene	NS	NS	mg/kg	ND		ND		ND	
cis-1,3-Dichloropropene	NS	NS	mg/kg	ND		ND		ND	
1,3-Dichloropropene, Total	NS	NS	mg/kg	ND		ND		ND	
1,1-Dichloropropene	NS	NS	mg/kg	ND		ND		ND	
Bromoform	NS	NS	mg/kg	ND		ND		ND	
1,1,2,2-Tetrachloroethane	NS	NS	mg/kg	ND		ND		ND	
Benzene	0.06	44	mg/kg	ND		ND		ND	
Toluene	0.7	500	mg/kg	ND		ND		ND	
Ethylbenzene	1	390	mg/kg	ND		ND		ND	
Chloromethane	NS	NS	mg/kg	ND		ND		ND	
Bromomethane	NS	NS	mg/kg	ND		ND		ND	
Vinyl chloride	0.02	13	mg/kg	0.00033	J	ND		ND	
Chloroethane	NS	NS	mg/kg	ND		ND		ND	
1,1-Dichloroethene	0.33	500	mg/kg	ND		ND		ND	
trans-1,2-Dichloroethene	0.19	500	mg/kg	ND		ND		ND	
Trichloroethene	0.47	200	mg/kg	0.003		0.00039	J	0.00041	J
1,2-Dichlorobenzene	1.1	500	mg/kg	ND		ND		ND	
1,3-Dichlorobenzene	2.4	280	mg/kg	ND		ND		ND	
1,4-Dichlorobenzene	1.8	130	mg/kg	ND		ND		ND	
Methyl tert butyl ether	0.93	500	mg/kg	ND		ND		ND	
p/m-Xylene	NS	NS	mg/kg	ND		ND		ND	
o-Xylene	NS	NS	mg/kg	ND		ND		ND	
Xylenes, Total	1.6	500	mg/kg	ND		ND		ND	
cis-1,2-Dichloroethene	0.25	500	mg/kg	0.016		0.0008	J	0.0047	
1,2-Dichloroethene, Total	NS	NS	mg/kg	0.016		0.0008	J	0.0047	
Dibromomethane	NS	NS	mg/kg	ND		ND		ND	
Styrene	NS	NS	mg/kg	ND		ND		ND	
Dichlorodifluoromethane	NS	NS	mg/kg	ND		ND		ND	

Table 1a. Volatile Organic Compounds in Soil
2921 Westchester Avenue
BCP Site No. C203140

SAMPLE ID:	NY-PGW	NY-RESC	Units	SB-2 (2-3)		SB-3 (0-2)		SB-3 (2-3)	
LAB ID:				L2107354-05		L2107354-06		L2107354-08	
COLLECTION DATE:				2/15/2021		2/15/2021		2/15/2021	
					Qual		Qual		Qual
Acetone	0.05	500	mg/kg	0.006	J	0.0064	J	ND	
Carbon disulfide	NS	NS	mg/kg	ND		ND		ND	
2-Butanone	0.12	500	mg/kg	ND		ND		ND	
Vinyl acetate	NS	NS	mg/kg	ND		ND		ND	
4-Methyl-2-pentanone	NS	NS	mg/kg	ND		ND		ND	
1,2,3-Trichloropropane	NS	NS	mg/kg	ND		ND		ND	
2-Hexanone	NS	NS	mg/kg	ND		ND		ND	
Bromochloromethane	NS	NS	mg/kg	ND		ND		ND	
2,2-Dichloropropane	NS	NS	mg/kg	ND		ND		ND	
1,2-Dibromoethane	NS	NS	mg/kg	ND		ND		ND	
1,3-Dichloropropane	NS	NS	mg/kg	ND		ND		ND	
1,1,1,2-Tetrachloroethane	NS	NS	mg/kg	ND		ND		ND	
Bromobenzene	NS	NS	mg/kg	ND		ND		ND	
n-Butylbenzene	12	500	mg/kg	ND		ND		ND	
sec-Butylbenzene	11	500	mg/kg	ND		ND		ND	
tert-Butylbenzene	5.9	500	mg/kg	ND		ND		ND	
o-Chlorotoluene	NS	NS	mg/kg	ND		ND		ND	
p-Chlorotoluene	NS	NS	mg/kg	ND		ND		ND	
1,2-Dibromo-3-chloropropane	NS	NS	mg/kg	ND		ND		ND	
Hexachlorobutadiene	NS	NS	mg/kg	ND		ND		ND	
Isopropylbenzene	NS	NS	mg/kg	ND		ND		ND	
p-Isopropyltoluene	NS	NS	mg/kg	ND		ND		ND	
Naphthalene	12	500	mg/kg	ND		ND		ND	
Acrylonitrile	NS	NS	mg/kg	ND		ND		ND	
n-Propylbenzene	3.9	500	mg/kg	ND		ND		ND	
1,2,3-Trichlorobenzene	NS	NS	mg/kg	ND		ND		ND	
1,2,4-Trichlorobenzene	NS	NS	mg/kg	ND		ND		ND	
1,3,5-Trimethylbenzene	8.4	190	mg/kg	ND		ND		ND	
1,2,4-Trimethylbenzene	3.6	190	mg/kg	ND		ND		ND	
1,4-Dioxane	0.1	130	mg/kg	ND		ND		ND	
p-Diethylbenzene	NS	NS	mg/kg	ND		ND		ND	
p-Ethyltoluene	NS	NS	mg/kg	ND		ND		ND	
1,2,4,5-Tetramethylbenzene	NS	NS	mg/kg	ND		ND		ND	
Ethyl ether	NS	NS	mg/kg	ND		ND		ND	
trans-1,4-Dichloro-2-butene	NS	NS	mg/kg	ND		ND		ND	
Freon-113	NS	NS	mg/kg	--		--		--	
Methyl cyclohexane	NS	NS	mg/kg	--		--		--	
Methyl acetate	NS	NS	mg/kg	--		--		--	
Cyclohexane	NS	NS	mg/kg	--		--		--	
Volatile Organic Compounds by EPA 5035 High									
Methylene chloride	0.05	500	mg/kg	--		--		--	
1,1-Dichloroethane	0.27	240	mg/kg	--		--		--	
Chloroform	0.37	350	mg/kg	--		--		--	
Carbon tetrachloride	0.76	22	mg/kg	--		--		--	

Table 1a. Volatile Organic Compounds in Soil
2921 Westchester Avenue
BCP Site No. C203140

SAMPLE ID:	NY-PGW	NY-RESC	Units	SB-2 (2-3)	SB-3 (0-2)	SB-3 (2-3)
LAB ID:				L2107354-05	L2107354-06	L2107354-08
COLLECTION DATE:				2/15/2021	2/15/2021	2/15/2021
				Qual	Qual	Qual
1,2-Dichloropropane	NS	NS	mg/kg	--	--	--
Dibromochloromethane	NS	NS	mg/kg	--	--	--
1,1,2-Trichloroethane	NS	NS	mg/kg	--	--	--
Tetrachloroethene	1.3	150	mg/kg	--	--	--
Chlorobenzene	1.1	500	mg/kg	--	--	--
Trichlorofluoromethane	NS	NS	mg/kg	--	--	--
1,2-Dichloroethane	0.02	30	mg/kg	--	--	--
1,1,1-Trichloroethane	0.68	500	mg/kg	--	--	--
Bromodichloromethane	NS	NS	mg/kg	--	--	--
trans-1,3-Dichloropropene	NS	NS	mg/kg	--	--	--
cis-1,3-Dichloropropene	NS	NS	mg/kg	--	--	--
1,3-Dichloropropene, Total	NS	NS	mg/kg	--	--	--
1,1-Dichloropropene	NS	NS	mg/kg	--	--	--
Bromoform	NS	NS	mg/kg	--	--	--
1,1,2,2-Tetrachloroethane	NS	NS	mg/kg	--	--	--
Benzene	0.06	44	mg/kg	--	--	--
Toluene	0.7	500	mg/kg	--	--	--
Ethylbenzene	1	390	mg/kg	--	--	--
Chloromethane	NS	NS	mg/kg	--	--	--
Bromomethane	NS	NS	mg/kg	--	--	--
Vinyl chloride	0.02	13	mg/kg	--	--	--
Chloroethane	NS	NS	mg/kg	--	--	--
1,1-Dichloroethene	0.33	500	mg/kg	--	--	--
trans-1,2-Dichloroethene	0.19	500	mg/kg	--	--	--
Trichloroethene	0.47	200	mg/kg	--	--	--
1,2-Dichlorobenzene	1.1	500	mg/kg	--	--	--
1,3-Dichlorobenzene	2.4	280	mg/kg	--	--	--
1,4-Dichlorobenzene	1.8	130	mg/kg	--	--	--
Methyl tert butyl ether	0.93	500	mg/kg	--	--	--
p/m-Xylene	NS	NS	mg/kg	--	--	--
o-Xylene	NS	NS	mg/kg	--	--	--
Xylenes, Total	1.6	500	mg/kg	--	--	--
cis-1,2-Dichloroethene	0.25	500	mg/kg	--	--	--
1,2-Dichloroethene, Total	NS	NS	mg/kg	--	--	--
Dibromomethane	NS	NS	mg/kg	--	--	--
Styrene	NS	NS	mg/kg	--	--	--
Dichlorodifluoromethane	NS	NS	mg/kg	--	--	--
Acetone	0.05	500	mg/kg	--	--	--
Carbon disulfide	NS	NS	mg/kg	--	--	--
2-Butanone	0.12	500	mg/kg	--	--	--
Vinyl acetate	NS	NS	mg/kg	--	--	--
4-Methyl-2-pentanone	NS	NS	mg/kg	--	--	--
1,2,3-Trichloropropane	NS	NS	mg/kg	--	--	--
2-Hexanone	NS	NS	mg/kg	--	--	--

Table 1a. Volatile Organic Compounds in Soil
2921 Westchester Avenue
BCP Site No. C203140

SAMPLE ID:	NY-PGW	NY-RESC	Units	SB-2 (2-3)	SB-3 (0-2)	SB-3 (2-3)
LAB ID:				L2107354-05	L2107354-06	L2107354-08
COLLECTION DATE:				2/15/2021	2/15/2021	2/15/2021
				Qual	Qual	Qual
Bromochloromethane	NS	NS	mg/kg	--	--	--
2,2-Dichloropropane	NS	NS	mg/kg	--	--	--
1,2-Dibromoethane	NS	NS	mg/kg	--	--	--
1,3-Dichloropropane	NS	NS	mg/kg	--	--	--
1,1,1,2-Tetrachloroethane	NS	NS	mg/kg	--	--	--
Bromobenzene	NS	NS	mg/kg	--	--	--
n-Butylbenzene	12	500	mg/kg	--	--	--
sec-Butylbenzene	11	500	mg/kg	--	--	--
tert-Butylbenzene	5.9	500	mg/kg	--	--	--
o-Chlorotoluene	NS	NS	mg/kg	--	--	--
p-Chlorotoluene	NS	NS	mg/kg	--	--	--
1,2-Dibromo-3-chloropropane	NS	NS	mg/kg	--	--	--
Hexachlorobutadiene	NS	NS	mg/kg	--	--	--
Isopropylbenzene	NS	NS	mg/kg	--	--	--
p-Isopropyltoluene	NS	NS	mg/kg	--	--	--
Naphthalene	12	500	mg/kg	--	--	--
Acrylonitrile	NS	NS	mg/kg	--	--	--
n-Propylbenzene	3.9	500	mg/kg	--	--	--
1,2,3-Trichlorobenzene	NS	NS	mg/kg	--	--	--
1,2,4-Trichlorobenzene	NS	NS	mg/kg	--	--	--
1,3,5-Trimethylbenzene	8.4	190	mg/kg	--	--	--
1,2,4-Trimethylbenzene	3.6	190	mg/kg	--	--	--
1,4-Dioxane	0.1	130	mg/kg	--	--	--
p-Diethylbenzene	NS	NS	mg/kg	--	--	--
p-Ethyltoluene	NS	NS	mg/kg	--	--	--
1,2,4,5-Tetramethylbenzene	NS	NS	mg/kg	--	--	--
Ethyl ether	NS	NS	mg/kg	--	--	--
trans-1,4-Dichloro-2-butene	NS	NS	mg/kg	--	--	--

Notes:

Bold and shaded yellow value indicates concentration exceeds NY-PGW SCOs

Bold and shaded orange value indicates concentration exceeds NY-RESC SCOs

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

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

E = Concentration exceeds calibration curve of the instrument

J = Estimated value

ND = Not detected

NS = No standard

-- = Not analyzed

Table 1a. Volatile Organic Compounds in Soil
2921 Westchester Avenue
BCP Site No. C203140

SAMPLE ID:	NY-PGW	NY-RESC	Units	SB-3 (0-2)_DUP	SB-4 (1-2)	SB-4 (2-3)
LAB ID:				L2107354-07	L2107354-10	L2107354-11
COLLECTION DATE:				2/15/2021	2/15/2021	2/15/2021
				Qual	Qual	Qual
General Chemistry						
Solids, Total	NS	NS	%	87.6	77.7	76.9
Volatile Organic Compounds by EPA 5035						
Methylene chloride	0.05	500	mg/kg	ND	ND	ND
1,1-Dichloroethane	0.27	240	mg/kg	ND	ND	ND
Chloroform	0.37	350	mg/kg	ND	ND	ND
Carbon tetrachloride	0.76	22	mg/kg	ND	ND	ND
1,2-Dichloropropane	NS	NS	mg/kg	ND	ND	ND
Dibromochloromethane	NS	NS	mg/kg	ND	ND	ND
1,1,2-Trichloroethane	NS	NS	mg/kg	ND	ND	ND
Tetrachloroethene	1.3	150	mg/kg	0.00095	0.051	0.064
Chlorobenzene	1.1	500	mg/kg	ND	ND	ND
Trichlorofluoromethane	NS	NS	mg/kg	ND	ND	ND
1,2-Dichloroethane	0.02	30	mg/kg	ND	ND	ND
1,1,1-Trichloroethane	0.68	500	mg/kg	ND	ND	ND
Bromodichloromethane	NS	NS	mg/kg	ND	ND	ND
trans-1,3-Dichloropropene	NS	NS	mg/kg	ND	ND	ND
cis-1,3-Dichloropropene	NS	NS	mg/kg	ND	ND	ND
1,3-Dichloropropene, Total	NS	NS	mg/kg	ND	ND	ND
1,1-Dichloropropene	NS	NS	mg/kg	ND	ND	ND
Bromoform	NS	NS	mg/kg	ND	ND	ND
1,1,2,2-Tetrachloroethane	NS	NS	mg/kg	ND	ND	ND
Benzene	0.06	44	mg/kg	ND	ND	ND
Toluene	0.7	500	mg/kg	ND	ND	ND
Ethylbenzene	1	390	mg/kg	ND	ND	ND
Chloromethane	NS	NS	mg/kg	ND	ND	ND
Bromomethane	NS	NS	mg/kg	ND	ND	ND
Vinyl chloride	0.02	13	mg/kg	ND	ND	ND
Chloroethane	NS	NS	mg/kg	ND	ND	ND
1,1-Dichloroethene	0.33	500	mg/kg	ND	ND	ND
trans-1,2-Dichloroethene	0.19	500	mg/kg	ND	ND	ND
Trichloroethene	0.47	200	mg/kg	0.00062	0.0026	0.00075
1,2-Dichlorobenzene	1.1	500	mg/kg	ND	ND	ND
1,3-Dichlorobenzene	2.4	280	mg/kg	ND	ND	ND
1,4-Dichlorobenzene	1.8	130	mg/kg	ND	ND	ND
Methyl tert butyl ether	0.93	500	mg/kg	ND	ND	ND
p/m-Xylene	NS	NS	mg/kg	ND	ND	ND
o-Xylene	NS	NS	mg/kg	ND	ND	ND
Xylenes, Total	1.6	500	mg/kg	ND	ND	ND
cis-1,2-Dichloroethene	0.25	500	mg/kg	0.0099	0.0021	ND
1,2-Dichloroethene, Total	NS	NS	mg/kg	0.0099	0.0021	ND
Dibromomethane	NS	NS	mg/kg	ND	ND	ND
Styrene	NS	NS	mg/kg	ND	ND	ND
Dichlorodifluoromethane	NS	NS	mg/kg	ND	ND	ND

Table 1a. Volatile Organic Compounds in Soil
2921 Westchester Avenue
BCP Site No. C203140

SAMPLE ID:	NY-PGW	NY-RESC	Units	SB-3 (0-2)_DUP	SB-4 (1-2)	SB-4 (2-3)
LAB ID:				L2107354-07	L2107354-10	L2107354-11
COLLECTION DATE:				2/15/2021	2/15/2021	2/15/2021
				Qual	Qual	Qual
Acetone	0.05	500	mg/kg	0.014	0.01	0.014
Carbon disulfide	NS	NS	mg/kg	ND	ND	ND
2-Butanone	0.12	500	mg/kg	ND	ND	ND
Vinyl acetate	NS	NS	mg/kg	ND	ND	ND
4-Methyl-2-pentanone	NS	NS	mg/kg	ND	ND	ND
1,2,3-Trichloropropane	NS	NS	mg/kg	ND	ND	ND
2-Hexanone	NS	NS	mg/kg	ND	ND	ND
Bromochloromethane	NS	NS	mg/kg	ND	ND	ND
2,2-Dichloropropane	NS	NS	mg/kg	ND	ND	ND
1,2-Dibromoethane	NS	NS	mg/kg	ND	ND	ND
1,3-Dichloropropane	NS	NS	mg/kg	ND	ND	ND
1,1,1,2-Tetrachloroethane	NS	NS	mg/kg	ND	ND	ND
Bromobenzene	NS	NS	mg/kg	ND	ND	ND
n-Butylbenzene	12	500	mg/kg	ND	ND	ND
sec-Butylbenzene	11	500	mg/kg	ND	ND	ND
tert-Butylbenzene	5.9	500	mg/kg	ND	ND	ND
o-Chlorotoluene	NS	NS	mg/kg	ND	ND	ND
p-Chlorotoluene	NS	NS	mg/kg	ND	ND	ND
1,2-Dibromo-3-chloropropane	NS	NS	mg/kg	ND	ND	ND
Hexachlorobutadiene	NS	NS	mg/kg	ND	ND	ND
Isopropylbenzene	NS	NS	mg/kg	ND	ND	ND
p-Isopropyltoluene	NS	NS	mg/kg	ND	ND	ND
Naphthalene	12	500	mg/kg	ND	ND	ND
Acrylonitrile	NS	NS	mg/kg	ND	ND	ND
n-Propylbenzene	3.9	500	mg/kg	ND	ND	ND
1,2,3-Trichlorobenzene	NS	NS	mg/kg	ND	ND	ND
1,2,4-Trichlorobenzene	NS	NS	mg/kg	ND	ND	ND
1,3,5-Trimethylbenzene	8.4	190	mg/kg	ND	ND	ND
1,2,4-Trimethylbenzene	3.6	190	mg/kg	ND	ND	ND
1,4-Dioxane	0.1	130	mg/kg	ND	ND	ND
p-Diethylbenzene	NS	NS	mg/kg	ND	ND	ND
p-Ethyltoluene	NS	NS	mg/kg	ND	ND	ND
1,2,4,5-Tetramethylbenzene	NS	NS	mg/kg	ND	ND	ND
Ethyl ether	NS	NS	mg/kg	ND	ND	ND
trans-1,4-Dichloro-2-butene	NS	NS	mg/kg	ND	ND	ND
Freon-113	NS	NS	mg/kg	--	--	--
Methyl cyclohexane	NS	NS	mg/kg	--	--	--
Methyl acetate	NS	NS	mg/kg	--	--	--
Cyclohexane	NS	NS	mg/kg	--	--	--
Volatile Organic Compounds by EPA 5035 High						
Methylene chloride	0.05	500	mg/kg	--	ND	--
1,1-Dichloroethane	0.27	240	mg/kg	--	ND	--
Chloroform	0.37	350	mg/kg	--	ND	--
Carbon tetrachloride	0.76	22	mg/kg	--	ND	--

Table 1a. Volatile Organic Compounds in Soil
2921 Westchester Avenue
BCP Site No. C203140

SAMPLE ID:	NY-PGW	NY-RESC	Units	SB-3 (0-2)_DUP		SB-4 (1-2)		SB-4 (2-3)	
LAB ID:				L2107354-07		L2107354-10		L2107354-11	
COLLECTION DATE:				2/15/2021		2/15/2021		2/15/2021	
					Qual		Qual		Qual
1,2-Dichloropropane	NS	NS	mg/kg	--		ND		--	
Dibromochloromethane	NS	NS	mg/kg	--		ND		--	
1,1,2-Trichloroethane	NS	NS	mg/kg	--		ND		--	
Tetrachloroethene	1.3	150	mg/kg	--		0.59		--	
Chlorobenzene	1.1	500	mg/kg	--		ND		--	
Trichlorofluoromethane	NS	NS	mg/kg	--		ND		--	
1,2-Dichloroethane	0.02	30	mg/kg	--		ND		--	
1,1,1-Trichloroethane	0.68	500	mg/kg	--		ND		--	
Bromodichloromethane	NS	NS	mg/kg	--		ND		--	
trans-1,3-Dichloropropene	NS	NS	mg/kg	--		ND		--	
cis-1,3-Dichloropropene	NS	NS	mg/kg	--		ND		--	
1,3-Dichloropropene, Total	NS	NS	mg/kg	--		ND		--	
1,1-Dichloropropene	NS	NS	mg/kg	--		ND		--	
Bromoform	NS	NS	mg/kg	--		ND		--	
1,1,2,2-Tetrachloroethane	NS	NS	mg/kg	--		ND		--	
Benzene	0.06	44	mg/kg	--		ND		--	
Toluene	0.7	500	mg/kg	--		ND		--	
Ethylbenzene	1	390	mg/kg	--		ND		--	
Chloromethane	NS	NS	mg/kg	--		ND		--	
Bromomethane	NS	NS	mg/kg	--		ND		--	
Vinyl chloride	0.02	13	mg/kg	--		ND		--	
Chloroethane	NS	NS	mg/kg	--		ND		--	
1,1-Dichloroethene	0.33	500	mg/kg	--		ND		--	
trans-1,2-Dichloroethene	0.19	500	mg/kg	--		ND		--	
Trichloroethene	0.47	200	mg/kg	--		0.032	J	--	
1,2-Dichlorobenzene	1.1	500	mg/kg	--		ND		--	
1,3-Dichlorobenzene	2.4	280	mg/kg	--		ND		--	
1,4-Dichlorobenzene	1.8	130	mg/kg	--		ND		--	
Methyl tert butyl ether	0.93	500	mg/kg	--		ND		--	
p/m-Xylene	NS	NS	mg/kg	--		ND		--	
o-Xylene	NS	NS	mg/kg	--		ND		--	
Xylenes, Total	1.6	500	mg/kg	--		ND		--	
cis-1,2-Dichloroethene	0.25	500	mg/kg	--		ND		--	
1,2-Dichloroethene, Total	NS	NS	mg/kg	--		ND		--	
Dibromomethane	NS	NS	mg/kg	--		ND		--	
Styrene	NS	NS	mg/kg	--		ND		--	
Dichlorodifluoromethane	NS	NS	mg/kg	--		ND		--	
Acetone	0.05	500	mg/kg	--		ND		--	
Carbon disulfide	NS	NS	mg/kg	--		ND		--	
2-Butanone	0.12	500	mg/kg	--		**0.18**	**J**	--	
Vinyl acetate	NS	NS	mg/kg	--		ND		--	
4-Methyl-2-pentanone	NS	NS	mg/kg	--		ND		--	
1,2,3-Trichloropropane	NS	NS	mg/kg	--		ND		--	
2-Hexanone	NS	NS	mg/kg	--		ND		--	

Table 1a. Volatile Organic Compounds in Soil
2921 Westchester Avenue
BCP Site No. C203140

SAMPLE ID:	NY-PGW	NY-RESC	Units	SB-3 (0-2)_DUP	SB-4 (1-2)	SB-4 (2-3)
LAB ID:				L2107354-07	L2107354-10	L2107354-11
COLLECTION DATE:				2/15/2021	2/15/2021	2/15/2021
				Qual	Qual	Qual
Bromochloromethane	NS	NS	mg/kg	--	ND	--
2,2-Dichloropropane	NS	NS	mg/kg	--	ND	--
1,2-Dibromoethane	NS	NS	mg/kg	--	ND	--
1,3-Dichloropropane	NS	NS	mg/kg	--	ND	--
1,1,1,2-Tetrachloroethane	NS	NS	mg/kg	--	ND	--
Bromobenzene	NS	NS	mg/kg	--	ND	--
n-Butylbenzene	12	500	mg/kg	--	ND	--
sec-Butylbenzene	11	500	mg/kg	--	ND	--
tert-Butylbenzene	5.9	500	mg/kg	--	ND	--
o-Chlorotoluene	NS	NS	mg/kg	--	ND	--
p-Chlorotoluene	NS	NS	mg/kg	--	ND	--
1,2-Dibromo-3-chloropropane	NS	NS	mg/kg	--	ND	--
Hexachlorobutadiene	NS	NS	mg/kg	--	ND	--
Isopropylbenzene	NS	NS	mg/kg	--	ND	--
p-Isopropyltoluene	NS	NS	mg/kg	--	ND	--
Naphthalene	12	500	mg/kg	--	ND	--
Acrylonitrile	NS	NS	mg/kg	--	ND	--
n-Propylbenzene	3.9	500	mg/kg	--	ND	--
1,2,3-Trichlorobenzene	NS	NS	mg/kg	--	ND	--
1,2,4-Trichlorobenzene	NS	NS	mg/kg	--	ND	--
1,3,5-Trimethylbenzene	8.4	190	mg/kg	--	ND	--
1,2,4-Trimethylbenzene	3.6	190	mg/kg	--	ND	--
1,4-Dioxane	0.1	130	mg/kg	--	ND	--
p-Diethylbenzene	NS	NS	mg/kg	--	ND	--
p-Ethyltoluene	NS	NS	mg/kg	--	ND	--
1,2,4,5-Tetramethylbenzene	NS	NS	mg/kg	--	ND	--
Ethyl ether	NS	NS	mg/kg	--	ND	--
trans-1,4-Dichloro-2-butene	NS	NS	mg/kg	--	ND	--

Notes:

Bold and shaded yellow value indicates concentration exceeds NY-PGW SCOs

Bold and shaded orange value indicates concentration exceeds NY-RESC SCOs

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

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

E = Concentration exceeds calibration curve of the instrument

J = Estimated value

ND = Not detected

NS = No standard

-- = Not analyzed

Table 1a. Volatile Organic Compounds in Soil
2921 Westchester Avenue
BCP Site No. C203140

SAMPLE ID:	NY-PGW	NY-RESC	Units	SB-5 (1-2)		SB-5 (2-3)		SB-6 (1-2)	
LAB ID:				L2107354-13		L2107354-14		L2107354-16	
COLLECTION DATE:				2/15/2021		2/15/2021		2/15/2021	
					Qual		Qual		Qual
General Chemistry									
Solids, Total	NS	NS	%	81.8		81.2		76.2	
Volatile Organic Compounds by EPA 5035									
Methylene chloride	0.05	500	mg/kg	ND		ND		ND	
1,1-Dichloroethane	0.27	240	mg/kg	ND		ND		ND	
Chloroform	0.37	350	mg/kg	ND		ND		ND	
Carbon tetrachloride	0.76	22	mg/kg	ND		ND		ND	
1,2-Dichloropropane	NS	NS	mg/kg	ND		ND		ND	
Dibromochloromethane	NS	NS	mg/kg	ND		ND		ND	
1,1,2-Trichloroethane	NS	NS	mg/kg	ND		ND		ND	
Tetrachloroethene	1.3	150	mg/kg	0.34	E	0.34	E	0.076	
Chlorobenzene	1.1	500	mg/kg	ND		ND		ND	
Trichlorofluoromethane	NS	NS	mg/kg	ND		ND		ND	
1,2-Dichloroethane	0.02	30	mg/kg	ND		ND		ND	
1,1,1-Trichloroethane	0.68	500	mg/kg	ND		ND		ND	
Bromodichloromethane	NS	NS	mg/kg	ND		ND		ND	
trans-1,3-Dichloropropene	NS	NS	mg/kg	ND		ND		ND	
cis-1,3-Dichloropropene	NS	NS	mg/kg	ND		ND		ND	
1,3-Dichloropropene, Total	NS	NS	mg/kg	ND		ND		ND	
1,1-Dichloropropene	NS	NS	mg/kg	ND		ND		ND	
Bromoform	NS	NS	mg/kg	ND		ND		ND	
1,1,2,2-Tetrachloroethane	NS	NS	mg/kg	ND		ND		ND	
Benzene	0.06	44	mg/kg	ND		ND		ND	
Toluene	0.7	500	mg/kg	ND		ND		ND	
Ethylbenzene	1	390	mg/kg	ND		ND		ND	
Chloromethane	NS	NS	mg/kg	ND		ND		ND	
Bromomethane	NS	NS	mg/kg	ND		ND		ND	
Vinyl chloride	0.02	13	mg/kg	0.00051	J	ND		ND	
Chloroethane	NS	NS	mg/kg	0.00051	J	ND		ND	
1,1-Dichloroethene	0.33	500	mg/kg	ND		ND		ND	
trans-1,2-Dichloroethene	0.19	500	mg/kg	ND		ND		ND	
Trichloroethene	0.47	200	mg/kg	0.0033		0.0015		0.00078	
1,2-Dichlorobenzene	1.1	500	mg/kg	ND		ND		ND	
1,3-Dichlorobenzene	2.4	280	mg/kg	ND		ND		ND	
1,4-Dichlorobenzene	1.8	130	mg/kg	ND		ND		ND	
Methyl tert butyl ether	0.93	500	mg/kg	ND		ND		ND	
p/m-Xylene	NS	NS	mg/kg	ND		ND		ND	
o-Xylene	NS	NS	mg/kg	ND		ND		ND	
Xylenes, Total	1.6	500	mg/kg	ND		ND		ND	
cis-1,2-Dichloroethene	0.25	500	mg/kg	0.004		0.00024	J	0.0015	
1,2-Dichloroethene, Total	NS	NS	mg/kg	0.004		0.00024	J	0.0015	
Dibromomethane	NS	NS	mg/kg	ND		ND		ND	
Styrene	NS	NS	mg/kg	ND		ND		ND	
Dichlorodifluoromethane	NS	NS	mg/kg	ND		ND		ND	

Table 1a. Volatile Organic Compounds in Soil
2921 Westchester Avenue
BCP Site No. C203140

SAMPLE ID:	NY-PGW	NY-RESC	Units	SB-5 (1-2)		SB-5 (2-3)		SB-6 (1-2)	
LAB ID:				L2107354-13		L2107354-14		L2107354-16	
COLLECTION DATE:				2/15/2021		2/15/2021		2/15/2021	
					Qual		Qual		Qual
Acetone	0.05	500	mg/kg	0.0084	J	0.018		0.017	
Carbon disulfide	NS	NS	mg/kg	ND		ND		ND	
2-Butanone	0.12	500	mg/kg	ND		ND		ND	
Vinyl acetate	NS	NS	mg/kg	ND		ND		ND	
4-Methyl-2-pentanone	NS	NS	mg/kg	ND		ND		ND	
1,2,3-Trichloropropane	NS	NS	mg/kg	ND		ND		ND	
2-Hexanone	NS	NS	mg/kg	ND		ND		ND	
Bromochloromethane	NS	NS	mg/kg	ND		ND		ND	
2,2-Dichloropropane	NS	NS	mg/kg	ND		ND		ND	
1,2-Dibromoethane	NS	NS	mg/kg	ND		ND		ND	
1,3-Dichloropropane	NS	NS	mg/kg	ND		ND		ND	
1,1,1,2-Tetrachloroethane	NS	NS	mg/kg	ND		ND		ND	
Bromobenzene	NS	NS	mg/kg	ND		ND		ND	
n-Butylbenzene	12	500	mg/kg	ND		ND		ND	
sec-Butylbenzene	11	500	mg/kg	ND		ND		ND	
tert-Butylbenzene	5.9	500	mg/kg	ND		ND		ND	
o-Chlorotoluene	NS	NS	mg/kg	ND		ND		ND	
p-Chlorotoluene	NS	NS	mg/kg	ND		ND		ND	
1,2-Dibromo-3-chloropropane	NS	NS	mg/kg	ND		ND		ND	
Hexachlorobutadiene	NS	NS	mg/kg	ND		ND		ND	
Isopropylbenzene	NS	NS	mg/kg	ND		ND		ND	
p-Isopropyltoluene	NS	NS	mg/kg	ND		ND		ND	
Naphthalene	12	500	mg/kg	ND		ND		ND	
Acrylonitrile	NS	NS	mg/kg	ND		ND		ND	
n-Propylbenzene	3.9	500	mg/kg	ND		ND		ND	
1,2,3-Trichlorobenzene	NS	NS	mg/kg	ND		ND		ND	
1,2,4-Trichlorobenzene	NS	NS	mg/kg	ND		ND		ND	
1,3,5-Trimethylbenzene	8.4	190	mg/kg	ND		ND		ND	
1,2,4-Trimethylbenzene	3.6	190	mg/kg	ND		ND		ND	
1,4-Dioxane	0.1	130	mg/kg	ND		ND		ND	
p-Diethylbenzene	NS	NS	mg/kg	ND		ND		ND	
p-Ethyltoluene	NS	NS	mg/kg	ND		ND		ND	
1,2,4,5-Tetramethylbenzene	NS	NS	mg/kg	ND		ND		ND	
Ethyl ether	NS	NS	mg/kg	ND		ND		ND	
trans-1,4-Dichloro-2-butene	NS	NS	mg/kg	ND		ND		ND	
Freon-113	NS	NS	mg/kg	--		--		--	
Methyl cyclohexane	NS	NS	mg/kg	--		--		--	
Methyl acetate	NS	NS	mg/kg	--		--		--	
Cyclohexane	NS	NS	mg/kg	--		--		--	
Volatile Organic Compounds by EPA 5035 High									
Methylene chloride	0.05	500	mg/kg	ND		ND		--	
1,1-Dichloroethane	0.27	240	mg/kg	ND		ND		--	
Chloroform	0.37	350	mg/kg	0.01	J	0.017	J	--	
Carbon tetrachloride	0.76	22	mg/kg	ND		ND		--	

Table 1a. Volatile Organic Compounds in Soil
2921 Westchester Avenue
BCP Site No. C203140

SAMPLE ID:	NY-PGW	NY-RESC	Units	SB-5 (1-2)		SB-5 (2-3)		SB-6 (1-2)	
LAB ID:				L2107354-13		L2107354-14		L2107354-16	
COLLECTION DATE:				2/15/2021		2/15/2021		2/15/2021	
					Qual		Qual		Qual
1,2-Dichloropropane	NS	NS	mg/kg	ND		ND		--	
Dibromochloromethane	NS	NS	mg/kg	ND		ND		--	
1,1,2-Trichloroethane	NS	NS	mg/kg	ND		ND		--	
Tetrachloroethene	1.3	150	mg/kg	0.9		1		--	
Chlorobenzene	1.1	500	mg/kg	ND		ND		--	
Trichlorofluoromethane	NS	NS	mg/kg	ND		ND		--	
1,2-Dichloroethane	0.02	30	mg/kg	ND		ND		--	
1,1,1-Trichloroethane	0.68	500	mg/kg	ND		ND		--	
Bromodichloromethane	NS	NS	mg/kg	ND		ND		--	
trans-1,3-Dichloropropene	NS	NS	mg/kg	ND		ND		--	
cis-1,3-Dichloropropene	NS	NS	mg/kg	ND		ND		--	
1,3-Dichloropropene, Total	NS	NS	mg/kg	ND		ND		--	
1,1-Dichloropropene	NS	NS	mg/kg	ND		ND		--	
Bromoform	NS	NS	mg/kg	ND		ND		--	
1,1,2,2-Tetrachloroethane	NS	NS	mg/kg	ND		ND		--	
Benzene	0.06	44	mg/kg	ND		ND		--	
Toluene	0.7	500	mg/kg	ND		ND		--	
Ethylbenzene	1	390	mg/kg	ND		ND		--	
Chloromethane	NS	NS	mg/kg	ND		ND		--	
Bromomethane	NS	NS	mg/kg	ND		ND		--	
Vinyl chloride	0.02	13	mg/kg	ND		ND		--	
Chloroethane	NS	NS	mg/kg	ND		ND		--	
1,1-Dichloroethene	0.33	500	mg/kg	ND		ND		--	
trans-1,2-Dichloroethene	0.19	500	mg/kg	ND		ND		--	
Trichloroethene	0.47	200	mg/kg	ND		ND		--	
1,2-Dichlorobenzene	1.1	500	mg/kg	ND		ND		--	
1,3-Dichlorobenzene	2.4	280	mg/kg	ND		ND		--	
1,4-Dichlorobenzene	1.8	130	mg/kg	ND		ND		--	
Methyl tert butyl ether	0.93	500	mg/kg	ND		ND		--	
p/m-Xylene	NS	NS	mg/kg	ND		ND		--	
o-Xylene	NS	NS	mg/kg	ND		ND		--	
Xylenes, Total	1.6	500	mg/kg	ND		ND		--	
cis-1,2-Dichloroethene	0.25	500	mg/kg	ND		ND		--	
1,2-Dichloroethene, Total	NS	NS	mg/kg	ND		ND		--	
Dibromomethane	NS	NS	mg/kg	ND		ND		--	
Styrene	NS	NS	mg/kg	ND		ND		--	
Dichlorodifluoromethane	NS	NS	mg/kg	ND		ND		--	
Acetone	0.05	500	mg/kg	ND		ND		--	
Carbon disulfide	NS	NS	mg/kg	ND		ND		--	
2-Butanone	0.12	500	mg/kg	**0.19**	**J**	**0.16**	**J**	--	
Vinyl acetate	NS	NS	mg/kg	ND		ND		--	
4-Methyl-2-pentanone	NS	NS	mg/kg	ND		ND		--	
1,2,3-Trichloropropane	NS	NS	mg/kg	ND		ND		--	
2-Hexanone	NS	NS	mg/kg	ND		ND		--	

Table 1a. Volatile Organic Compounds in Soil
2921 Westchester Avenue
BCP Site No. C203140

SAMPLE ID:	NY-PGW	NY-RESC	Units	SB-5 (1-2)	SB-5 (2-3)	SB-6 (1-2)
LAB ID:				L2107354-13	L2107354-14	L2107354-16
COLLECTION DATE:				2/15/2021	2/15/2021	2/15/2021
				Qual	Qual	Qual
Bromochloromethane	NS	NS	mg/kg	ND	ND	--
2,2-Dichloropropane	NS	NS	mg/kg	ND	ND	--
1,2-Dibromoethane	NS	NS	mg/kg	ND	ND	--
1,3-Dichloropropane	NS	NS	mg/kg	ND	ND	--
1,1,1,2-Tetrachloroethane	NS	NS	mg/kg	ND	ND	--
Bromobenzene	NS	NS	mg/kg	ND	ND	--
n-Butylbenzene	12	500	mg/kg	ND	ND	--
sec-Butylbenzene	11	500	mg/kg	ND	ND	--
tert-Butylbenzene	5.9	500	mg/kg	ND	ND	--
o-Chlorotoluene	NS	NS	mg/kg	ND	ND	--
p-Chlorotoluene	NS	NS	mg/kg	ND	ND	--
1,2-Dibromo-3-chloropropane	NS	NS	mg/kg	ND	ND	--
Hexachlorobutadiene	NS	NS	mg/kg	ND	ND	--
Isopropylbenzene	NS	NS	mg/kg	ND	ND	--
p-Isopropyltoluene	NS	NS	mg/kg	ND	ND	--
Naphthalene	12	500	mg/kg	ND	ND	--
Acrylonitrile	NS	NS	mg/kg	ND	ND	--
n-Propylbenzene	3.9	500	mg/kg	ND	ND	--
1,2,3-Trichlorobenzene	NS	NS	mg/kg	ND	ND	--
1,2,4-Trichlorobenzene	NS	NS	mg/kg	ND	ND	--
1,3,5-Trimethylbenzene	8.4	190	mg/kg	ND	ND	--
1,2,4-Trimethylbenzene	3.6	190	mg/kg	ND	ND	--
1,4-Dioxane	0.1	130	mg/kg	ND	ND	--
p-Diethylbenzene	NS	NS	mg/kg	ND	ND	--
p-Ethyltoluene	NS	NS	mg/kg	ND	ND	--
1,2,4,5-Tetramethylbenzene	NS	NS	mg/kg	ND	ND	--
Ethyl ether	NS	NS	mg/kg	ND	ND	--
trans-1,4-Dichloro-2-butene	NS	NS	mg/kg	ND	ND	--

Notes:

Bold and shaded yellow value indicates concentration exceeds NY-PGW SCOs

Bold and shaded orange value indicates concentration exceeds NY-RESC SCOs

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

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

E = Concentration exceeds calibration curve of the instrument

J = Estimated value

ND = Not detected

NS = No standard

-- = Not analyzed

Table 1a. Volatile Organic Compounds in Soil
2921 Westchester Avenue
BCP Site No. C203140

SAMPLE ID:	NY-PGW	NY-RESC	Units	SB-6 (2-3)		SB-7 (1-2)		SB-7 (2-3)	
LAB ID:				L2107354-17		L2107354-19		L2107354-20	
COLLECTION DATE:				2/15/2021		2/15/2021		2/15/2021	
					Qual		Qual		Qual
General Chemistry									
Solids, Total	NS	NS	%	91.5		80.5		90.4	
Volatile Organic Compounds by EPA 5035									
Methylene chloride	0.05	500	mg/kg	ND		ND		ND	
1,1-Dichloroethane	0.27	240	mg/kg	ND		ND		ND	
Chloroform	0.37	350	mg/kg	ND		ND		ND	
Carbon tetrachloride	0.76	22	mg/kg	ND		ND		ND	
1,2-Dichloropropane	NS	NS	mg/kg	ND		ND		ND	
Dibromochloromethane	NS	NS	mg/kg	ND		ND		ND	
1,1,2-Trichloroethane	NS	NS	mg/kg	ND		ND		ND	
Tetrachloroethene	1.3	150	mg/kg	0.057		0.098		0.045	
Chlorobenzene	1.1	500	mg/kg	ND		ND		ND	
Trichlorofluoromethane	NS	NS	mg/kg	ND		ND		ND	
1,2-Dichloroethane	0.02	30	mg/kg	ND		ND		ND	
1,1,1-Trichloroethane	0.68	500	mg/kg	ND		ND		ND	
Bromodichloromethane	NS	NS	mg/kg	ND		ND		ND	
trans-1,3-Dichloropropene	NS	NS	mg/kg	ND		ND		ND	
cis-1,3-Dichloropropene	NS	NS	mg/kg	ND		ND		ND	
1,3-Dichloropropene, Total	NS	NS	mg/kg	ND		ND		ND	
1,1-Dichloropropene	NS	NS	mg/kg	ND		ND		ND	
Bromoform	NS	NS	mg/kg	ND		ND		ND	
1,1,2,2-Tetrachloroethane	NS	NS	mg/kg	ND		ND		ND	
Benzene	0.06	44	mg/kg	ND		ND		ND	
Toluene	0.7	500	mg/kg	ND		ND		ND	
Ethylbenzene	1	390	mg/kg	ND		ND		ND	
Chloromethane	NS	NS	mg/kg	ND		ND		ND	
Bromomethane	NS	NS	mg/kg	ND		ND		ND	
Vinyl chloride	0.02	13	mg/kg	ND		ND		ND	
Chloroethane	NS	NS	mg/kg	ND		ND		ND	
1,1-Dichloroethene	0.33	500	mg/kg	ND		ND		ND	
trans-1,2-Dichloroethene	0.19	500	mg/kg	ND		ND		ND	
Trichloroethene	0.47	200	mg/kg	0.00052		0.0038		0.00022	J
1,2-Dichlorobenzene	1.1	500	mg/kg	ND		ND		ND	
1,3-Dichlorobenzene	2.4	280	mg/kg	ND		ND		ND	
1,4-Dichlorobenzene	1.8	130	mg/kg	ND		ND		ND	
Methyl tert butyl ether	0.93	500	mg/kg	ND		ND		ND	
p/m-Xylene	NS	NS	mg/kg	ND		ND		ND	
o-Xylene	NS	NS	mg/kg	ND		ND		ND	
Xylenes, Total	1.6	500	mg/kg	ND		ND		ND	
cis-1,2-Dichloroethene	0.25	500	mg/kg	0.00055	J	0.0053		0.00016	J
1,2-Dichloroethene, Total	NS	NS	mg/kg	0.00055	J	0.0053		0.00016	J
Dibromomethane	NS	NS	mg/kg	ND		ND		ND	
Styrene	NS	NS	mg/kg	ND		ND		ND	
Dichlorodifluoromethane	NS	NS	mg/kg	ND		ND		ND	

Table 1a. Volatile Organic Compounds in Soil
2921 Westchester Avenue
BCP Site No. C203140

SAMPLE ID:	NY-PGW	NY-RESC	Units	SB-6 (2-3)		SB-7 (1-2)		SB-7 (2-3)	
LAB ID:				L2107354-17		L2107354-19		L2107354-20	
COLLECTION DATE:				2/15/2021		2/15/2021		2/15/2021	
					Qual		Qual		Qual
Acetone	0.05	500	mg/kg	0.01		0.0054	J	0.0088	J
Carbon disulfide	NS	NS	mg/kg	ND		ND		ND	
2-Butanone	0.12	500	mg/kg	ND		ND		ND	
Vinyl acetate	NS	NS	mg/kg	ND		ND		ND	
4-Methyl-2-pentanone	NS	NS	mg/kg	ND		ND		ND	
1,2,3-Trichloropropane	NS	NS	mg/kg	ND		ND		ND	
2-Hexanone	NS	NS	mg/kg	ND		ND		ND	
Bromochloromethane	NS	NS	mg/kg	ND		ND		ND	
2,2-Dichloropropane	NS	NS	mg/kg	ND		ND		ND	
1,2-Dibromoethane	NS	NS	mg/kg	ND		ND		ND	
1,3-Dichloropropane	NS	NS	mg/kg	ND		ND		ND	
1,1,1,2-Tetrachloroethane	NS	NS	mg/kg	ND		ND		ND	
Bromobenzene	NS	NS	mg/kg	ND		ND		ND	
n-Butylbenzene	12	500	mg/kg	ND		ND		ND	
sec-Butylbenzene	11	500	mg/kg	ND		ND		ND	
tert-Butylbenzene	5.9	500	mg/kg	ND		ND		ND	
o-Chlorotoluene	NS	NS	mg/kg	ND		ND		ND	
p-Chlorotoluene	NS	NS	mg/kg	ND		ND		ND	
1,2-Dibromo-3-chloropropane	NS	NS	mg/kg	ND		ND		ND	
Hexachlorobutadiene	NS	NS	mg/kg	ND		ND		ND	
Isopropylbenzene	NS	NS	mg/kg	ND		ND		ND	
p-Isopropyltoluene	NS	NS	mg/kg	ND		ND		ND	
Naphthalene	12	500	mg/kg	ND		ND		ND	
Acrylonitrile	NS	NS	mg/kg	ND		ND		ND	
n-Propylbenzene	3.9	500	mg/kg	ND		ND		ND	
1,2,3-Trichlorobenzene	NS	NS	mg/kg	ND		ND		ND	
1,2,4-Trichlorobenzene	NS	NS	mg/kg	ND		ND		ND	
1,3,5-Trimethylbenzene	8.4	190	mg/kg	ND		ND		ND	
1,2,4-Trimethylbenzene	3.6	190	mg/kg	ND		ND		ND	
1,4-Dioxane	0.1	130	mg/kg	ND		ND		ND	
p-Diethylbenzene	NS	NS	mg/kg	ND		ND		ND	
p-Ethyltoluene	NS	NS	mg/kg	ND		ND		ND	
1,2,4,5-Tetramethylbenzene	NS	NS	mg/kg	ND		ND		ND	
Ethyl ether	NS	NS	mg/kg	ND		ND		ND	
trans-1,4-Dichloro-2-butene	NS	NS	mg/kg	ND		ND		ND	
Freon-113	NS	NS	mg/kg	--		--		--	
Methyl cyclohexane	NS	NS	mg/kg	--		--		--	
Methyl acetate	NS	NS	mg/kg	--		--		--	
Cyclohexane	NS	NS	mg/kg	--		--		--	
Volatile Organic Compounds by EPA 5035 High									
Methylene chloride	0.05	500	mg/kg	--		ND		--	
1,1-Dichloroethane	0.27	240	mg/kg	--		ND		--	
Chloroform	0.37	350	mg/kg	--		0.02	J	--	
Carbon tetrachloride	0.76	22	mg/kg	--		ND		--	

Table 1a. Volatile Organic Compounds in Soil
2921 Westchester Avenue
BCP Site No. C203140

SAMPLE ID:	NY-PGW	NY-RESC	Units	SB-6 (2-3)		SB-7 (1-2)		SB-7 (2-3)	
LAB ID:				L2107354-17		L2107354-19		L2107354-20	
COLLECTION DATE:				2/15/2021		2/15/2021		2/15/2021	
					Qual		Qual		Qual
1,2-Dichloropropane	NS	NS	mg/kg	--		ND		--	
Dibromochloromethane	NS	NS	mg/kg	--		ND		--	
1,1,2-Trichloroethane	NS	NS	mg/kg	--		ND		--	
Tetrachloroethene	1.3	150	mg/kg	--		0.52		--	
Chlorobenzene	1.1	500	mg/kg	--		ND		--	
Trichlorofluoromethane	NS	NS	mg/kg	--		ND		--	
1,2-Dichloroethane	0.02	30	mg/kg	--		ND		--	
1,1,1-Trichloroethane	0.68	500	mg/kg	--		ND		--	
Bromodichloromethane	NS	NS	mg/kg	--		ND		--	
trans-1,3-Dichloropropene	NS	NS	mg/kg	--		ND		--	
cis-1,3-Dichloropropene	NS	NS	mg/kg	--		ND		--	
1,3-Dichloropropene, Total	NS	NS	mg/kg	--		ND		--	
1,1-Dichloropropene	NS	NS	mg/kg	--		ND		--	
Bromoform	NS	NS	mg/kg	--		ND		--	
1,1,2,2-Tetrachloroethane	NS	NS	mg/kg	--		ND		--	
Benzene	0.06	44	mg/kg	--		ND		--	
Toluene	0.7	500	mg/kg	--		ND		--	
Ethylbenzene	1	390	mg/kg	--		ND		--	
Chloromethane	NS	NS	mg/kg	--		ND		--	
Bromomethane	NS	NS	mg/kg	--		ND		--	
Vinyl chloride	0.02	13	mg/kg	--		ND		--	
Chloroethane	NS	NS	mg/kg	--		ND		--	
1,1-Dichloroethene	0.33	500	mg/kg	--		ND		--	
trans-1,2-Dichloroethene	0.19	500	mg/kg	--		ND		--	
Trichloroethene	0.47	200	mg/kg	--		0.046		--	
1,2-Dichlorobenzene	1.1	500	mg/kg	--		ND		--	
1,3-Dichlorobenzene	2.4	280	mg/kg	--		ND		--	
1,4-Dichlorobenzene	1.8	130	mg/kg	--		ND		--	
Methyl tert butyl ether	0.93	500	mg/kg	--		ND		--	
p/m-Xylene	NS	NS	mg/kg	--		ND		--	
o-Xylene	NS	NS	mg/kg	--		ND		--	
Xylenes, Total	1.6	500	mg/kg	--		ND		--	
cis-1,2-Dichloroethene	0.25	500	mg/kg	--		0.015	J	--	
1,2-Dichloroethene, Total	NS	NS	mg/kg	--		0.015	J	--	
Dibromomethane	NS	NS	mg/kg	--		ND		--	
Styrene	NS	NS	mg/kg	--		ND		--	
Dichlorodifluoromethane	NS	NS	mg/kg	--		ND		--	
Acetone	0.05	500	mg/kg	--		ND		--	
Carbon disulfide	NS	NS	mg/kg	--		ND		--	
2-Butanone	0.12	500	mg/kg	--		ND		--	
Vinyl acetate	NS	NS	mg/kg	--		ND		--	
4-Methyl-2-pentanone	NS	NS	mg/kg	--		ND		--	
1,2,3-Trichloropropane	NS	NS	mg/kg	--		ND		--	
2-Hexanone	NS	NS	mg/kg	--		ND		--	

Table 1a. Volatile Organic Compounds in Soil
2921 Westchester Avenue
BCP Site No. C203140

SAMPLE ID:	NY-PGW	NY-RESC	Units	SB-6 (2-3)	SB-7 (1-2)	SB-7 (2-3)
LAB ID:				L2107354-17	L2107354-19	L2107354-20
COLLECTION DATE:				2/15/2021	2/15/2021	2/15/2021
				Qual	Qual	Qual
Bromochloromethane	NS	NS	mg/kg	--	ND	--
2,2-Dichloropropane	NS	NS	mg/kg	--	ND	--
1,2-Dibromoethane	NS	NS	mg/kg	--	ND	--
1,3-Dichloropropane	NS	NS	mg/kg	--	ND	--
1,1,1,2-Tetrachloroethane	NS	NS	mg/kg	--	ND	--
Bromobenzene	NS	NS	mg/kg	--	ND	--
n-Butylbenzene	12	500	mg/kg	--	ND	--
sec-Butylbenzene	11	500	mg/kg	--	ND	--
tert-Butylbenzene	5.9	500	mg/kg	--	ND	--
o-Chlorotoluene	NS	NS	mg/kg	--	ND	--
p-Chlorotoluene	NS	NS	mg/kg	--	ND	--
1,2-Dibromo-3-chloropropane	NS	NS	mg/kg	--	ND	--
Hexachlorobutadiene	NS	NS	mg/kg	--	ND	--
Isopropylbenzene	NS	NS	mg/kg	--	ND	--
p-Isopropyltoluene	NS	NS	mg/kg	--	ND	--
Naphthalene	12	500	mg/kg	--	ND	--
Acrylonitrile	NS	NS	mg/kg	--	ND	--
n-Propylbenzene	3.9	500	mg/kg	--	ND	--
1,2,3-Trichlorobenzene	NS	NS	mg/kg	--	ND	--
1,2,4-Trichlorobenzene	NS	NS	mg/kg	--	ND	--
1,3,5-Trimethylbenzene	8.4	190	mg/kg	--	ND	--
1,2,4-Trimethylbenzene	3.6	190	mg/kg	--	ND	--
1,4-Dioxane	0.1	130	mg/kg	--	ND	--
p-Diethylbenzene	NS	NS	mg/kg	--	ND	--
p-Ethyltoluene	NS	NS	mg/kg	--	ND	--
1,2,4,5-Tetramethylbenzene	NS	NS	mg/kg	--	ND	--
Ethyl ether	NS	NS	mg/kg	--	ND	--
trans-1,4-Dichloro-2-butene	NS	NS	mg/kg	--	ND	--

Notes:

Bold and shaded yellow value indicates concentration exceeds NY-PGW SCOs

Bold and shaded orange value indicates concentration exceeds NY-RESC SCOs

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

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

E = Concentration exceeds calibration curve of the instrument

J = Estimated value

ND = Not detected

NS = No standard

-- = Not analyzed

Table 1a. Volatile Organic Compounds in Soil
2921 Westchester Avenue
BCP Site No. C203140

SAMPLE ID:	NY-PGW	NY-RESC	Units	SB-8 (1-2)		SB-8 (2-3)		SB-9 (0-1)	
LAB ID:				L2107354-22		L2107354-23		L2107354-24	
COLLECTION DATE:				2/15/2021		2/15/2021		2/15/2021	
					Qual		Qual		Qual
General Chemistry									
Solids, Total	NS	NS	%	92		86.5		78.8	
Volatile Organic Compounds by EPA 5035									
Methylene chloride	0.05	500	mg/kg	ND		ND		ND	
1,1-Dichloroethane	0.27	240	mg/kg	ND		ND		ND	
Chloroform	0.37	350	mg/kg	ND		ND		0.016	J
Carbon tetrachloride	0.76	22	mg/kg	ND		ND		ND	
1,2-Dichloropropane	NS	NS	mg/kg	ND		ND		ND	
Dibromochloromethane	NS	NS	mg/kg	ND		ND		ND	
1,1,2-Trichloroethane	NS	NS	mg/kg	ND		ND		ND	
Tetrachloroethene	1.3	150	mg/kg	0.01		0.004		**5.2**	
Chlorobenzene	1.1	500	mg/kg	ND		ND		ND	
Trichlorofluoromethane	NS	NS	mg/kg	ND		ND		ND	
1,2-Dichloroethane	0.02	30	mg/kg	ND		ND		ND	
1,1,1-Trichloroethane	0.68	500	mg/kg	ND		ND		ND	
Bromodichloromethane	NS	NS	mg/kg	ND		ND		ND	
trans-1,3-Dichloropropene	NS	NS	mg/kg	ND		ND		ND	
cis-1,3-Dichloropropene	NS	NS	mg/kg	ND		ND		ND	
1,3-Dichloropropene, Total	NS	NS	mg/kg	ND		ND		ND	
1,1-Dichloropropene	NS	NS	mg/kg	ND		ND		ND	
Bromoform	NS	NS	mg/kg	ND		ND		ND	
1,1,2,2-Tetrachloroethane	NS	NS	mg/kg	ND		ND		ND	
Benzene	0.06	44	mg/kg	ND		ND		ND	
Toluene	0.7	500	mg/kg	ND		ND		ND	
Ethylbenzene	1	390	mg/kg	ND		ND		ND	
Chloromethane	NS	NS	mg/kg	ND		ND		ND	
Bromomethane	NS	NS	mg/kg	ND		ND		ND	
Vinyl chloride	0.02	13	mg/kg	0.00039	J	ND		ND	
Chloroethane	NS	NS	mg/kg	ND		ND		ND	
1,1-Dichloroethene	0.33	500	mg/kg	ND		ND		ND	
trans-1,2-Dichloroethene	0.19	500	mg/kg	ND		ND		ND	
Trichloroethene	0.47	200	mg/kg	0.011		0.00072		**1.2**	
1,2-Dichlorobenzene	1.1	500	mg/kg	ND		ND		ND	
1,3-Dichlorobenzene	2.4	280	mg/kg	ND		ND		ND	
1,4-Dichlorobenzene	1.8	130	mg/kg	ND		ND		ND	
Methyl tert butyl ether	0.93	500	mg/kg	ND		ND		ND	
p/m-Xylene	NS	NS	mg/kg	ND		ND		ND	
o-Xylene	NS	NS	mg/kg	ND		ND		ND	
Xylenes, Total	1.6	500	mg/kg	ND		ND		ND	
cis-1,2-Dichloroethene	0.25	500	mg/kg	0.017		0.00083	J	**1.4**	
1,2-Dichloroethene, Total	NS	NS	mg/kg	0.017		0.00083	J	1.4	
Dibromomethane	NS	NS	mg/kg	ND		ND		ND	
Styrene	NS	NS	mg/kg	ND		ND		ND	
Dichlorodifluoromethane	NS	NS	mg/kg	ND		ND		ND	

Table 1a. Volatile Organic Compounds in Soil
2921 Westchester Avenue
BCP Site No. C203140

SAMPLE ID:	NY-PGW	NY-RESC	Units	SB-8 (1-2)		SB-8 (2-3)		SB-9 (0-1)	
LAB ID:				L2107354-22		L2107354-23		L2107354-24	
COLLECTION DATE:				2/15/2021		2/15/2021		2/15/2021	
					Qual		Qual		Qual
Acetone	0.05	500	mg/kg	0.0085	J	0.014		**0.58**	**J**
Carbon disulfide	NS	NS	mg/kg	ND		ND		ND	
2-Butanone	0.12	500	mg/kg	ND		ND		ND	
Vinyl acetate	NS	NS	mg/kg	ND		ND		ND	
4-Methyl-2-pentanone	NS	NS	mg/kg	ND		ND		ND	
1,2,3-Trichloropropane	NS	NS	mg/kg	ND		ND		ND	
2-Hexanone	NS	NS	mg/kg	ND		ND		ND	
Bromochloromethane	NS	NS	mg/kg	ND		ND		ND	
2,2-Dichloropropane	NS	NS	mg/kg	ND		ND		ND	
1,2-Dibromoethane	NS	NS	mg/kg	ND		ND		ND	
1,3-Dichloropropane	NS	NS	mg/kg	ND		ND		ND	
1,1,1,2-Tetrachloroethane	NS	NS	mg/kg	ND		ND		ND	
Bromobenzene	NS	NS	mg/kg	ND		ND		ND	
n-Butylbenzene	12	500	mg/kg	ND		ND		ND	
sec-Butylbenzene	11	500	mg/kg	ND		ND		ND	
tert-Butylbenzene	5.9	500	mg/kg	ND		ND		ND	
o-Chlorotoluene	NS	NS	mg/kg	ND		ND		ND	
p-Chlorotoluene	NS	NS	mg/kg	ND		ND		ND	
1,2-Dibromo-3-chloropropane	NS	NS	mg/kg	ND		ND		ND	
Hexachlorobutadiene	NS	NS	mg/kg	ND		ND		ND	
Isopropylbenzene	NS	NS	mg/kg	ND		ND		ND	
p-Isopropyltoluene	NS	NS	mg/kg	ND		ND		ND	
Naphthalene	12	500	mg/kg	ND		ND		ND	
Acrylonitrile	NS	NS	mg/kg	ND		ND		ND	
n-Propylbenzene	3.9	500	mg/kg	ND		ND		ND	
1,2,3-Trichlorobenzene	NS	NS	mg/kg	ND		ND		ND	
1,2,4-Trichlorobenzene	NS	NS	mg/kg	ND		ND		ND	
1,3,5-Trimethylbenzene	8.4	190	mg/kg	ND		ND		ND	
1,2,4-Trimethylbenzene	3.6	190	mg/kg	0.00067	J	ND		ND	
1,4-Dioxane	0.1	130	mg/kg	ND		ND		ND	
p-Diethylbenzene	NS	NS	mg/kg	0.00033	J	ND		ND	
p-Ethyltoluene	NS	NS	mg/kg	0.00048	J	ND		ND	
1,2,4,5-Tetramethylbenzene	NS	NS	mg/kg	ND		ND		ND	
Ethyl ether	NS	NS	mg/kg	ND		ND		ND	
trans-1,4-Dichloro-2-butene	NS	NS	mg/kg	ND		ND		ND	
Freon-113	NS	NS	mg/kg	--		--		--	
Methyl cyclohexane	NS	NS	mg/kg	--		--		--	
Methyl acetate	NS	NS	mg/kg	--		--		--	
Cyclohexane	NS	NS	mg/kg	--		--		--	
Volatile Organic Compounds by EPA 5035 High									
Methylene chloride	0.05	500	mg/kg	ND		--		--	
1,1-Dichloroethane	0.27	240	mg/kg	ND		--		--	
Chloroform	0.37	350	mg/kg	ND		--		--	
Carbon tetrachloride	0.76	22	mg/kg	ND		--		--	

Table 1a. Volatile Organic Compounds in Soil
2921 Westchester Avenue
BCP Site No. C203140

SAMPLE ID:	NY-PGW	NY-RESC	Units	SB-8 (1-2)	SB-8 (2-3)	SB-9 (0-1)
LAB ID:				L2107354-22	L2107354-23	L2107354-24
COLLECTION DATE:				2/15/2021	2/15/2021	2/15/2021
				Qual	Qual	Qual
1,2-Dichloropropane	NS	NS	mg/kg	ND	--	--
Dibromochloromethane	NS	NS	mg/kg	ND	--	--
1,1,2-Trichloroethane	NS	NS	mg/kg	ND	--	--
Tetrachloroethene	1.3	150	mg/kg	0.82	--	--
Chlorobenzene	1.1	500	mg/kg	ND	--	--
Trichlorofluoromethane	NS	NS	mg/kg	ND	--	--
1,2-Dichloroethane	0.02	30	mg/kg	ND	--	--
1,1,1-Trichloroethane	0.68	500	mg/kg	ND	--	--
Bromodichloromethane	NS	NS	mg/kg	ND	--	--
trans-1,3-Dichloropropene	NS	NS	mg/kg	ND	--	--
cis-1,3-Dichloropropene	NS	NS	mg/kg	ND	--	--
1,3-Dichloropropene, Total	NS	NS	mg/kg	ND	--	--
1,1-Dichloropropene	NS	NS	mg/kg	ND	--	--
Bromoform	NS	NS	mg/kg	ND	--	--
1,1,2,2-Tetrachloroethane	NS	NS	mg/kg	ND	--	--
Benzene	0.06	44	mg/kg	ND	--	--
Toluene	0.7	500	mg/kg	ND	--	--
Ethylbenzene	1	390	mg/kg	ND	--	--
Chloromethane	NS	NS	mg/kg	ND	--	--
Bromomethane	NS	NS	mg/kg	ND	--	--
Vinyl chloride	0.02	13	mg/kg	ND	--	--
Chloroethane	NS	NS	mg/kg	ND	--	--
1,1-Dichloroethene	0.33	500	mg/kg	ND	--	--
trans-1,2-Dichloroethene	0.19	500	mg/kg	ND	--	--
Trichloroethene	0.47	200	mg/kg	0.29	--	--
1,2-Dichlorobenzene	1.1	500	mg/kg	ND	--	--
1,3-Dichlorobenzene	2.4	280	mg/kg	ND	--	--
1,4-Dichlorobenzene	1.8	130	mg/kg	ND	--	--
Methyl tert butyl ether	0.93	500	mg/kg	ND	--	--
p/m-Xylene	NS	NS	mg/kg	ND	--	--
o-Xylene	NS	NS	mg/kg	ND	--	--
Xylenes, Total	1.6	500	mg/kg	ND	--	--
cis-1,2-Dichloroethene	0.25	500	mg/kg	0.12	--	--
1,2-Dichloroethene, Total	NS	NS	mg/kg	0.12	--	--
Dibromomethane	NS	NS	mg/kg	ND	--	--
Styrene	NS	NS	mg/kg	ND	--	--
Dichlorodifluoromethane	NS	NS	mg/kg	ND	--	--
Acetone	0.05	500	mg/kg	ND	--	--
Carbon disulfide	NS	NS	mg/kg	ND	--	--
2-Butanone	0.12	500	mg/kg	ND	--	--
Vinyl acetate	NS	NS	mg/kg	ND	--	--
4-Methyl-2-pentanone	NS	NS	mg/kg	ND	--	--
1,2,3-Trichloropropane	NS	NS	mg/kg	ND	--	--
2-Hexanone	NS	NS	mg/kg	ND	--	--

Table 1a. Volatile Organic Compounds in Soil
2921 Westchester Avenue
BCP Site No. C203140

SAMPLE ID:	NY-PGW	NY-RESC	Units	SB-8 (1-2)	SB-8 (2-3)	SB-9 (0-1)
LAB ID:				L2107354-22	L2107354-23	L2107354-24
COLLECTION DATE:				2/15/2021	2/15/2021	2/15/2021
				Qual	Qual	Qual
Bromochloromethane	NS	NS	mg/kg	ND	--	--
2,2-Dichloropropane	NS	NS	mg/kg	ND	--	--
1,2-Dibromoethane	NS	NS	mg/kg	ND	--	--
1,3-Dichloropropane	NS	NS	mg/kg	ND	--	--
1,1,1,2-Tetrachloroethane	NS	NS	mg/kg	ND	--	--
Bromobenzene	NS	NS	mg/kg	ND	--	--
n-Butylbenzene	12	500	mg/kg	ND	--	--
sec-Butylbenzene	11	500	mg/kg	ND	--	--
tert-Butylbenzene	5.9	500	mg/kg	ND	--	--
o-Chlorotoluene	NS	NS	mg/kg	ND	--	--
p-Chlorotoluene	NS	NS	mg/kg	ND	--	--
1,2-Dibromo-3-chloropropane	NS	NS	mg/kg	ND	--	--
Hexachlorobutadiene	NS	NS	mg/kg	ND	--	--
Isopropylbenzene	NS	NS	mg/kg	ND	--	--
p-Isopropyltoluene	NS	NS	mg/kg	ND	--	--
Naphthalene	12	500	mg/kg	ND	--	--
Acrylonitrile	NS	NS	mg/kg	ND	--	--
n-Propylbenzene	3.9	500	mg/kg	ND	--	--
1,2,3-Trichlorobenzene	NS	NS	mg/kg	ND	--	--
1,2,4-Trichlorobenzene	NS	NS	mg/kg	ND	--	--
1,3,5-Trimethylbenzene	8.4	190	mg/kg	ND	--	--
1,2,4-Trimethylbenzene	3.6	190	mg/kg	ND	--	--
1,4-Dioxane	0.1	130	mg/kg	ND	--	--
p-Diethylbenzene	NS	NS	mg/kg	ND	--	--
p-Ethyltoluene	NS	NS	mg/kg	ND	--	--
1,2,4,5-Tetramethylbenzene	NS	NS	mg/kg	ND	--	--
Ethyl ether	NS	NS	mg/kg	ND	--	--
trans-1,4-Dichloro-2-butene	NS	NS	mg/kg	ND	--	--

Notes:

Bold and shaded yellow value indicates concentration exceeds NY-PGW SCOs

Bold and shaded orange value indicates concentration exceeds NY-RESC SCOs

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

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

E = Concentration exceeds calibration curve of the instrument

J = Estimated value

ND = Not detected

NS = No standard

-- = Not analyzed

Table 1a. Volatile Organic Compounds in Soil
2921 Westchester Avenue
BCP Site No. C203140

SAMPLE ID:	NY-PGW	NY-RESC	Units	SB-9 (2-3)	SB-10 (2.5-4.5)	SB-11 (0-2)
LAB ID:				L2107354-26	L2107354-41	L2107354-27
COLLECTION DATE:				2/15/2021	2/16/2021	2/15/2021
				Qual	Qual	Qual
General Chemistry						
Solids, Total	NS	NS	%	84	84.1	86.3
Volatile Organic Compounds by EPA 5035						
Methylene chloride	0.05	500	mg/kg	ND	ND	ND
1,1-Dichloroethane	0.27	240	mg/kg	ND	ND	ND
Chloroform	0.37	350	mg/kg	ND	ND	ND
Carbon tetrachloride	0.76	22	mg/kg	ND	ND	ND
1,2-Dichloropropane	NS	NS	mg/kg	ND	ND	ND
Dibromochloromethane	NS	NS	mg/kg	ND	ND	ND
1,1,2-Trichloroethane	NS	NS	mg/kg	ND	ND	ND
Tetrachloroethene	1.3	150	mg/kg	0.0033	ND	0.039
Chlorobenzene	1.1	500	mg/kg	ND	ND	ND
Trichlorofluoromethane	NS	NS	mg/kg	ND	ND	ND
1,2-Dichloroethane	0.02	30	mg/kg	ND	ND	ND
1,1,1-Trichloroethane	0.68	500	mg/kg	ND	ND	ND
Bromodichloromethane	NS	NS	mg/kg	ND	ND	ND
trans-1,3-Dichloropropene	NS	NS	mg/kg	ND	ND	ND
cis-1,3-Dichloropropene	NS	NS	mg/kg	ND	ND	ND
1,3-Dichloropropene, Total	NS	NS	mg/kg	ND	ND	ND
1,1-Dichloropropene	NS	NS	mg/kg	ND	ND	ND
Bromoform	NS	NS	mg/kg	ND	ND	ND
1,1,2,2-Tetrachloroethane	NS	NS	mg/kg	ND	ND	ND
Benzene	0.06	44	mg/kg	ND	ND	ND
Toluene	0.7	500	mg/kg	ND	ND	ND
Ethylbenzene	1	390	mg/kg	ND	ND	ND
Chloromethane	NS	NS	mg/kg	ND	ND	ND
Bromomethane	NS	NS	mg/kg	ND	ND	ND
Vinyl chloride	0.02	13	mg/kg	ND	ND	ND
Chloroethane	NS	NS	mg/kg	ND	ND	ND
1,1-Dichloroethene	0.33	500	mg/kg	ND	ND	ND
trans-1,2-Dichloroethene	0.19	500	mg/kg	ND	ND	ND
Trichloroethene	0.47	200	mg/kg	0.00062	ND	0.0049
1,2-Dichlorobenzene	1.1	500	mg/kg	ND	ND	ND
1,3-Dichlorobenzene	2.4	280	mg/kg	ND	ND	ND
1,4-Dichlorobenzene	1.8	130	mg/kg	ND	ND	ND
Methyl tert butyl ether	0.93	500	mg/kg	ND	ND	ND
p/m-Xylene	NS	NS	mg/kg	ND	ND	ND
o-Xylene	NS	NS	mg/kg	ND	ND	ND
Xylenes, Total	1.6	500	mg/kg	ND	ND	ND
cis-1,2-Dichloroethene	0.25	500	mg/kg	0.0024	ND	0.0082
1,2-Dichloroethene, Total	NS	NS	mg/kg	0.0024	ND	0.0082
Dibromomethane	NS	NS	mg/kg	ND	ND	ND
Styrene	NS	NS	mg/kg	ND	ND	ND
Dichlorodifluoromethane	NS	NS	mg/kg	ND	ND	ND

Table 1a. Volatile Organic Compounds in Soil
2921 Westchester Avenue
BCP Site No. C203140

SAMPLE ID:	NY-PGW	NY-RESC	Units	SB-9 (2-3)		SB-10 (2.5-4.5)	SB-11 (0-2)	
LAB ID:				L2107354-26		L2107354-41	L2107354-27	
COLLECTION DATE:				2/15/2021		2/16/2021	2/15/2021	
					Qual	Qual		Qual
Acetone	0.05	500	mg/kg	0.006	J	ND	0.025	
Carbon disulfide	NS	NS	mg/kg	ND		ND	ND	
2-Butanone	0.12	500	mg/kg	ND		ND	ND	
Vinyl acetate	NS	NS	mg/kg	ND		ND	ND	
4-Methyl-2-pentanone	NS	NS	mg/kg	ND		ND	ND	
1,2,3-Trichloropropane	NS	NS	mg/kg	ND		ND	ND	
2-Hexanone	NS	NS	mg/kg	ND		ND	ND	
Bromochloromethane	NS	NS	mg/kg	ND		ND	ND	
2,2-Dichloropropane	NS	NS	mg/kg	ND		ND	ND	
1,2-Dibromoethane	NS	NS	mg/kg	ND		ND	ND	
1,3-Dichloropropane	NS	NS	mg/kg	ND		ND	ND	
1,1,1,2-Tetrachloroethane	NS	NS	mg/kg	ND		ND	ND	
Bromobenzene	NS	NS	mg/kg	ND		ND	ND	
n-Butylbenzene	12	500	mg/kg	ND		ND	ND	
sec-Butylbenzene	11	500	mg/kg	ND		ND	ND	
tert-Butylbenzene	5.9	500	mg/kg	ND		ND	ND	
o-Chlorotoluene	NS	NS	mg/kg	ND		ND	ND	
p-Chlorotoluene	NS	NS	mg/kg	ND		ND	ND	
1,2-Dibromo-3-chloropropane	NS	NS	mg/kg	ND		ND	ND	
Hexachlorobutadiene	NS	NS	mg/kg	ND		ND	ND	
Isopropylbenzene	NS	NS	mg/kg	ND		ND	ND	
p-Isopropyltoluene	NS	NS	mg/kg	ND		ND	ND	
Naphthalene	12	500	mg/kg	ND		ND	ND	
Acrylonitrile	NS	NS	mg/kg	ND		ND	ND	
n-Propylbenzene	3.9	500	mg/kg	ND		ND	ND	
1,2,3-Trichlorobenzene	NS	NS	mg/kg	ND		ND	ND	
1,2,4-Trichlorobenzene	NS	NS	mg/kg	ND		ND	ND	
1,3,5-Trimethylbenzene	8.4	190	mg/kg	ND		ND	ND	
1,2,4-Trimethylbenzene	3.6	190	mg/kg	ND		ND	0.00044	J
1,4-Dioxane	0.1	130	mg/kg	ND		ND	ND	
p-Diethylbenzene	NS	NS	mg/kg	ND		ND	ND	
p-Ethyltoluene	NS	NS	mg/kg	ND		ND	ND	
1,2,4,5-Tetramethylbenzene	NS	NS	mg/kg	ND		ND	ND	
Ethyl ether	NS	NS	mg/kg	ND		ND	ND	
trans-1,4-Dichloro-2-butene	NS	NS	mg/kg	ND		ND	ND	
Freon-113	NS	NS	mg/kg	--		--	--	
Methyl cyclohexane	NS	NS	mg/kg	--		--	--	
Methyl acetate	NS	NS	mg/kg	--		--	--	
Cyclohexane	NS	NS	mg/kg	--		--	--	
Volatile Organic Compounds by EPA 5035 High								
Methylene chloride	0.05	500	mg/kg	--		--	--	
1,1-Dichloroethane	0.27	240	mg/kg	--		--	--	
Chloroform	0.37	350	mg/kg	--		--	--	
Carbon tetrachloride	0.76	22	mg/kg	--		--	--	

Table 1a. Volatile Organic Compounds in Soil
2921 Westchester Avenue
BCP Site No. C203140

SAMPLE ID:	NY-PGW	NY-RESC	Units	SB-9 (2-3)	SB-10 (2.5-4.5)	SB-11 (0-2)
LAB ID:				L2107354-26	L2107354-41	L2107354-27
COLLECTION DATE:				2/15/2021	2/16/2021	2/15/2021
				Qual	Qual	Qual
1,2-Dichloropropane	NS	NS	mg/kg	--	--	--
Dibromochloromethane	NS	NS	mg/kg	--	--	--
1,1,2-Trichloroethane	NS	NS	mg/kg	--	--	--
Tetrachloroethene	1.3	150	mg/kg	--	--	--
Chlorobenzene	1.1	500	mg/kg	--	--	--
Trichlorofluoromethane	NS	NS	mg/kg	--	--	--
1,2-Dichloroethane	0.02	30	mg/kg	--	--	--
1,1,1-Trichloroethane	0.68	500	mg/kg	--	--	--
Bromodichloromethane	NS	NS	mg/kg	--	--	--
trans-1,3-Dichloropropene	NS	NS	mg/kg	--	--	--
cis-1,3-Dichloropropene	NS	NS	mg/kg	--	--	--
1,3-Dichloropropene, Total	NS	NS	mg/kg	--	--	--
1,1-Dichloropropene	NS	NS	mg/kg	--	--	--
Bromoform	NS	NS	mg/kg	--	--	--
1,1,2,2-Tetrachloroethane	NS	NS	mg/kg	--	--	--
Benzene	0.06	44	mg/kg	--	--	--
Toluene	0.7	500	mg/kg	--	--	--
Ethylbenzene	1	390	mg/kg	--	--	--
Chloromethane	NS	NS	mg/kg	--	--	--
Bromomethane	NS	NS	mg/kg	--	--	--
Vinyl chloride	0.02	13	mg/kg	--	--	--
Chloroethane	NS	NS	mg/kg	--	--	--
1,1-Dichloroethene	0.33	500	mg/kg	--	--	--
trans-1,2-Dichloroethene	0.19	500	mg/kg	--	--	--
Trichloroethene	0.47	200	mg/kg	--	--	--
1,2-Dichlorobenzene	1.1	500	mg/kg	--	--	--
1,3-Dichlorobenzene	2.4	280	mg/kg	--	--	--
1,4-Dichlorobenzene	1.8	130	mg/kg	--	--	--
Methyl tert butyl ether	0.93	500	mg/kg	--	--	--
p/m-Xylene	NS	NS	mg/kg	--	--	--
o-Xylene	NS	NS	mg/kg	--	--	--
Xylenes, Total	1.6	500	mg/kg	--	--	--
cis-1,2-Dichloroethene	0.25	500	mg/kg	--	--	--
1,2-Dichloroethene, Total	NS	NS	mg/kg	--	--	--
Dibromomethane	NS	NS	mg/kg	--	--	--
Styrene	NS	NS	mg/kg	--	--	--
Dichlorodifluoromethane	NS	NS	mg/kg	--	--	--
Acetone	0.05	500	mg/kg	--	--	--
Carbon disulfide	NS	NS	mg/kg	--	--	--
2-Butanone	0.12	500	mg/kg	--	--	--
Vinyl acetate	NS	NS	mg/kg	--	--	--
4-Methyl-2-pentanone	NS	NS	mg/kg	--	--	--
1,2,3-Trichloropropane	NS	NS	mg/kg	--	--	--
2-Hexanone	NS	NS	mg/kg	--	--	--

Table 1a. Volatile Organic Compounds in Soil
2921 Westchester Avenue
BCP Site No. C203140

SAMPLE ID:	NY-PGW	NY-RESC	Units	SB-9 (2-3)	SB-10 (2.5-4.5)	SB-11 (0-2)
LAB ID:				L2107354-26	L2107354-41	L2107354-27
COLLECTION DATE:				2/15/2021	2/16/2021	2/15/2021
				Qual	Qual	Qual
Bromochloromethane	NS	NS	mg/kg	--	--	--
2,2-Dichloropropane	NS	NS	mg/kg	--	--	--
1,2-Dibromoethane	NS	NS	mg/kg	--	--	--
1,3-Dichloropropane	NS	NS	mg/kg	--	--	--
1,1,1,2-Tetrachloroethane	NS	NS	mg/kg	--	--	--
Bromobenzene	NS	NS	mg/kg	--	--	--
n-Butylbenzene	12	500	mg/kg	--	--	--
sec-Butylbenzene	11	500	mg/kg	--	--	--
tert-Butylbenzene	5.9	500	mg/kg	--	--	--
o-Chlorotoluene	NS	NS	mg/kg	--	--	--
p-Chlorotoluene	NS	NS	mg/kg	--	--	--
1,2-Dibromo-3-chloropropane	NS	NS	mg/kg	--	--	--
Hexachlorobutadiene	NS	NS	mg/kg	--	--	--
Isopropylbenzene	NS	NS	mg/kg	--	--	--
p-Isopropyltoluene	NS	NS	mg/kg	--	--	--
Naphthalene	12	500	mg/kg	--	--	--
Acrylonitrile	NS	NS	mg/kg	--	--	--
n-Propylbenzene	3.9	500	mg/kg	--	--	--
1,2,3-Trichlorobenzene	NS	NS	mg/kg	--	--	--
1,2,4-Trichlorobenzene	NS	NS	mg/kg	--	--	--
1,3,5-Trimethylbenzene	8.4	190	mg/kg	--	--	--
1,2,4-Trimethylbenzene	3.6	190	mg/kg	--	--	--
1,4-Dioxane	0.1	130	mg/kg	--	--	--
p-Diethylbenzene	NS	NS	mg/kg	--	--	--
p-Ethyltoluene	NS	NS	mg/kg	--	--	--
1,2,4,5-Tetramethylbenzene	NS	NS	mg/kg	--	--	--
Ethyl ether	NS	NS	mg/kg	--	--	--
trans-1,4-Dichloro-2-butene	NS	NS	mg/kg	--	--	--

Notes:

Bold and shaded yellow value indicates concentration exceeds NY-PGW SCOs

Bold and shaded orange value indicates concentration exceeds NY-RESC SCOs

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

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

E = Concentration exceeds calibration curve of the instrument

J = Estimated value

ND = Not detected

NS = No standard

-- = Not analyzed

Table 1a. Volatile Organic Compounds in Soil
2921 Westchester Avenue
BCP Site No. C203140

SAMPLE ID:	NY-PGW	NY-RESC	Units	SB-11 (2-3)		SB-12 (0-2)		SB-12 (2-3)	
LAB ID:				L2107354-28		L2107354-29		L2107354-31	
COLLECTION DATE:				2/15/2021		2/15/2021		2/15/2021	
					Qual		Qual		Qual
General Chemistry									
Solids, Total	NS	NS	%	76.7		88.4		88.8	
Volatile Organic Compounds by EPA 5035									
Methylene chloride	0.05	500	mg/kg	ND		ND		ND	
1,1-Dichloroethane	0.27	240	mg/kg	ND		ND		ND	
Chloroform	0.37	350	mg/kg	ND		0.026	J	ND	
Carbon tetrachloride	0.76	22	mg/kg	ND		ND		ND	
1,2-Dichloropropane	NS	NS	mg/kg	ND		ND		ND	
Dibromochloromethane	NS	NS	mg/kg	ND		ND		ND	
1,1,2-Trichloroethane	NS	NS	mg/kg	ND		ND		ND	
Tetrachloroethene	1.3	150	mg/kg	ND		**8.7**		0.0085	
Chlorobenzene	1.1	500	mg/kg	ND		ND		ND	
Trichlorofluoromethane	NS	NS	mg/kg	ND		ND		ND	
1,2-Dichloroethane	0.02	30	mg/kg	ND		ND		ND	
1,1,1-Trichloroethane	0.68	500	mg/kg	ND		ND		ND	
Bromodichloromethane	NS	NS	mg/kg	ND		ND		ND	
trans-1,3-Dichloropropene	NS	NS	mg/kg	ND		ND		ND	
cis-1,3-Dichloropropene	NS	NS	mg/kg	ND		ND		ND	
1,3-Dichloropropene, Total	NS	NS	mg/kg	ND		ND		ND	
1,1-Dichloropropene	NS	NS	mg/kg	ND		ND		ND	
Bromoform	NS	NS	mg/kg	ND		ND		ND	
1,1,2,2-Tetrachloroethane	NS	NS	mg/kg	ND		ND		ND	
Benzene	0.06	44	mg/kg	ND		ND		ND	
Toluene	0.7	500	mg/kg	ND		ND		ND	
Ethylbenzene	1	390	mg/kg	ND		ND		ND	
Chloromethane	NS	NS	mg/kg	ND		ND		ND	
Bromomethane	NS	NS	mg/kg	ND		ND		ND	
Vinyl chloride	0.02	13	mg/kg	ND		ND		0.00029	J
Chloroethane	NS	NS	mg/kg	ND		ND		ND	
1,1-Dichloroethene	0.33	500	mg/kg	ND		ND		ND	
trans-1,2-Dichloroethene	0.19	500	mg/kg	ND		ND		ND	
Trichloroethene	0.47	200	mg/kg	ND		**0.53**		0.0056	
1,2-Dichlorobenzene	1.1	500	mg/kg	ND		ND		ND	
1,3-Dichlorobenzene	2.4	280	mg/kg	ND		ND		ND	
1,4-Dichlorobenzene	1.8	130	mg/kg	ND		ND		ND	
Methyl tert butyl ether	0.93	500	mg/kg	ND		ND		ND	
p/m-Xylene	NS	NS	mg/kg	ND		ND		ND	
o-Xylene	NS	NS	mg/kg	ND		ND		ND	
Xylenes, Total	1.6	500	mg/kg	ND		ND		ND	
cis-1,2-Dichloroethene	0.25	500	mg/kg	ND		**0.8**		0.019	
1,2-Dichloroethene, Total	NS	NS	mg/kg	ND		0.8		0.019	
Dibromomethane	NS	NS	mg/kg	ND		ND		ND	
Styrene	NS	NS	mg/kg	ND		ND		ND	
Dichlorodifluoromethane	NS	NS	mg/kg	ND		ND		ND	

Table 1a. Volatile Organic Compounds in Soil
2921 Westchester Avenue
BCP Site No. C203140

SAMPLE ID:	NY-PGW	NY-RESC	Units	SB-11 (2-3)		SB-12 (0-2)		SB-12 (2-3)	
LAB ID:				L2107354-28		L2107354-29		L2107354-31	
COLLECTION DATE:				2/15/2021		2/15/2021		2/15/2021	
					Qual		Qual		Qual
Acetone	0.05	500	mg/kg	ND		**0.48**	**J**	ND	
Carbon disulfide	NS	NS	mg/kg	ND		ND		ND	
2-Butanone	0.12	500	mg/kg	ND		ND		ND	
Vinyl acetate	NS	NS	mg/kg	ND		ND		ND	
4-Methyl-2-pentanone	NS	NS	mg/kg	ND		ND		ND	
1,2,3-Trichloropropane	NS	NS	mg/kg	ND		ND		ND	
2-Hexanone	NS	NS	mg/kg	ND		ND		ND	
Bromochloromethane	NS	NS	mg/kg	ND		ND		ND	
2,2-Dichloropropane	NS	NS	mg/kg	ND		ND		ND	
1,2-Dibromoethane	NS	NS	mg/kg	ND		ND		ND	
1,3-Dichloropropane	NS	NS	mg/kg	ND		ND		ND	
1,1,1,2-Tetrachloroethane	NS	NS	mg/kg	ND		ND		ND	
Bromobenzene	NS	NS	mg/kg	ND		ND		ND	
n-Butylbenzene	12	500	mg/kg	ND		ND		ND	
sec-Butylbenzene	11	500	mg/kg	ND		ND		ND	
tert-Butylbenzene	5.9	500	mg/kg	ND		ND		ND	
o-Chlorotoluene	NS	NS	mg/kg	ND		ND		ND	
p-Chlorotoluene	NS	NS	mg/kg	ND		ND		ND	
1,2-Dibromo-3-chloropropane	NS	NS	mg/kg	ND		ND		ND	
Hexachlorobutadiene	NS	NS	mg/kg	ND		ND		ND	
Isopropylbenzene	NS	NS	mg/kg	ND		ND		ND	
p-Isopropyltoluene	NS	NS	mg/kg	ND		ND		ND	
Naphthalene	12	500	mg/kg	ND		ND		ND	
Acrylonitrile	NS	NS	mg/kg	ND		ND		ND	
n-Propylbenzene	3.9	500	mg/kg	ND		ND		ND	
1,2,3-Trichlorobenzene	NS	NS	mg/kg	ND		ND		ND	
1,2,4-Trichlorobenzene	NS	NS	mg/kg	ND		ND		ND	
1,3,5-Trimethylbenzene	8.4	190	mg/kg	ND		ND		ND	
1,2,4-Trimethylbenzene	3.6	190	mg/kg	ND		ND		ND	
1,4-Dioxane	0.1	130	mg/kg	ND		ND		ND	
p-Diethylbenzene	NS	NS	mg/kg	ND		ND		ND	
p-Ethyltoluene	NS	NS	mg/kg	ND		ND		ND	
1,2,4,5-Tetramethylbenzene	NS	NS	mg/kg	ND		ND		ND	
Ethyl ether	NS	NS	mg/kg	ND		ND		ND	
trans-1,4-Dichloro-2-butene	NS	NS	mg/kg	ND		ND		ND	
Freon-113	NS	NS	mg/kg	--		--		--	
Methyl cyclohexane	NS	NS	mg/kg	--		--		--	
Methyl acetate	NS	NS	mg/kg	--		--		--	
Cyclohexane	NS	NS	mg/kg	--		--		--	
Volatile Organic Compounds by EPA 5035 High									
Methylene chloride	0.05	500	mg/kg	--		--		--	
1,1-Dichloroethane	0.27	240	mg/kg	--		--		--	
Chloroform	0.37	350	mg/kg	--		--		--	
Carbon tetrachloride	0.76	22	mg/kg	--		--		--	

Table 1a. Volatile Organic Compounds in Soil
2921 Westchester Avenue
BCP Site No. C203140

SAMPLE ID:	NY-PGW	NY-RESC	Units	SB-11 (2-3)	SB-12 (0-2)	SB-12 (2-3)
LAB ID:				L2107354-28	L2107354-29	L2107354-31
COLLECTION DATE:				2/15/2021	2/15/2021	2/15/2021
				Qual	Qual	Qual
1,2-Dichloropropane	NS	NS	mg/kg	--	--	--
Dibromochloromethane	NS	NS	mg/kg	--	--	--
1,1,2-Trichloroethane	NS	NS	mg/kg	--	--	--
Tetrachloroethene	1.3	150	mg/kg	--	--	--
Chlorobenzene	1.1	500	mg/kg	--	--	--
Trichlorofluoromethane	NS	NS	mg/kg	--	--	--
1,2-Dichloroethane	0.02	30	mg/kg	--	--	--
1,1,1-Trichloroethane	0.68	500	mg/kg	--	--	--
Bromodichloromethane	NS	NS	mg/kg	--	--	--
trans-1,3-Dichloropropene	NS	NS	mg/kg	--	--	--
cis-1,3-Dichloropropene	NS	NS	mg/kg	--	--	--
1,3-Dichloropropene, Total	NS	NS	mg/kg	--	--	--
1,1-Dichloropropene	NS	NS	mg/kg	--	--	--
Bromoform	NS	NS	mg/kg	--	--	--
1,1,2,2-Tetrachloroethane	NS	NS	mg/kg	--	--	--
Benzene	0.06	44	mg/kg	--	--	--
Toluene	0.7	500	mg/kg	--	--	--
Ethylbenzene	1	390	mg/kg	--	--	--
Chloromethane	NS	NS	mg/kg	--	--	--
Bromomethane	NS	NS	mg/kg	--	--	--
Vinyl chloride	0.02	13	mg/kg	--	--	--
Chloroethane	NS	NS	mg/kg	--	--	--
1,1-Dichloroethene	0.33	500	mg/kg	--	--	--
trans-1,2-Dichloroethene	0.19	500	mg/kg	--	--	--
Trichloroethene	0.47	200	mg/kg	--	--	--
1,2-Dichlorobenzene	1.1	500	mg/kg	--	--	--
1,3-Dichlorobenzene	2.4	280	mg/kg	--	--	--
1,4-Dichlorobenzene	1.8	130	mg/kg	--	--	--
Methyl tert butyl ether	0.93	500	mg/kg	--	--	--
p/m-Xylene	NS	NS	mg/kg	--	--	--
o-Xylene	NS	NS	mg/kg	--	--	--
Xylenes, Total	1.6	500	mg/kg	--	--	--
cis-1,2-Dichloroethene	0.25	500	mg/kg	--	--	--
1,2-Dichloroethene, Total	NS	NS	mg/kg	--	--	--
Dibromomethane	NS	NS	mg/kg	--	--	--
Styrene	NS	NS	mg/kg	--	--	--
Dichlorodifluoromethane	NS	NS	mg/kg	--	--	--
Acetone	0.05	500	mg/kg	--	--	--
Carbon disulfide	NS	NS	mg/kg	--	--	--
2-Butanone	0.12	500	mg/kg	--	--	--
Vinyl acetate	NS	NS	mg/kg	--	--	--
4-Methyl-2-pentanone	NS	NS	mg/kg	--	--	--
1,2,3-Trichloropropane	NS	NS	mg/kg	--	--	--
2-Hexanone	NS	NS	mg/kg	--	--	--

Table 1a. Volatile Organic Compounds in Soil
2921 Westchester Avenue
BCP Site No. C203140

SAMPLE ID:	NY-PGW	NY-RESC	Units	SB-11 (2-3)	SB-12 (0-2)	SB-12 (2-3)
LAB ID:				L2107354-28	L2107354-29	L2107354-31
COLLECTION DATE:				2/15/2021	2/15/2021	2/15/2021
				Qual	Qual	Qual
Bromochloromethane	NS	NS	mg/kg	--	--	--
2,2-Dichloropropane	NS	NS	mg/kg	--	--	--
1,2-Dibromoethane	NS	NS	mg/kg	--	--	--
1,3-Dichloropropane	NS	NS	mg/kg	--	--	--
1,1,1,2-Tetrachloroethane	NS	NS	mg/kg	--	--	--
Bromobenzene	NS	NS	mg/kg	--	--	--
n-Butylbenzene	12	500	mg/kg	--	--	--
sec-Butylbenzene	11	500	mg/kg	--	--	--
tert-Butylbenzene	5.9	500	mg/kg	--	--	--
o-Chlorotoluene	NS	NS	mg/kg	--	--	--
p-Chlorotoluene	NS	NS	mg/kg	--	--	--
1,2-Dibromo-3-chloropropane	NS	NS	mg/kg	--	--	--
Hexachlorobutadiene	NS	NS	mg/kg	--	--	--
Isopropylbenzene	NS	NS	mg/kg	--	--	--
p-Isopropyltoluene	NS	NS	mg/kg	--	--	--
Naphthalene	12	500	mg/kg	--	--	--
Acrylonitrile	NS	NS	mg/kg	--	--	--
n-Propylbenzene	3.9	500	mg/kg	--	--	--
1,2,3-Trichlorobenzene	NS	NS	mg/kg	--	--	--
1,2,4-Trichlorobenzene	NS	NS	mg/kg	--	--	--
1,3,5-Trimethylbenzene	8.4	190	mg/kg	--	--	--
1,2,4-Trimethylbenzene	3.6	190	mg/kg	--	--	--
1,4-Dioxane	0.1	130	mg/kg	--	--	--
p-Diethylbenzene	NS	NS	mg/kg	--	--	--
p-Ethyltoluene	NS	NS	mg/kg	--	--	--
1,2,4,5-Tetramethylbenzene	NS	NS	mg/kg	--	--	--
Ethyl ether	NS	NS	mg/kg	--	--	--
trans-1,4-Dichloro-2-butene	NS	NS	mg/kg	--	--	--

Notes:

Bold and shaded yellow value indicates concentration exceeds NY-PGW SCOs

Bold and shaded orange value indicates concentration exceeds NY-RESC SCOs

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

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

E = Concentration exceeds calibration curve of the instrument

J = Estimated value

ND = Not detected

NS = No standard

-- = Not analyzed

Table 1a. Volatile Organic Compounds in Soil
2921 Westchester Avenue
BCP Site No. C203140

SAMPLE ID:	NY-PGW	NY-RESC	Units	SB-12 (0-2)_DUP		SB-13 (0-2)		SB-13 (2-3)	
LAB ID:				L2107354-30		L2107354-32		L2107354-33	
COLLECTION DATE:				2/15/2021		2/15/2021		2/15/2021	
					Qual		Qual		Qual
General Chemistry									
Solids, Total	NS	NS	%	80.3		89.8		91.6	
Volatile Organic Compounds by EPA 5035									
Methylene chloride	0.05	500	mg/kg	ND		ND		ND	
1,1-Dichloroethane	0.27	240	mg/kg	ND		ND		ND	
Chloroform	0.37	350	mg/kg	ND		ND		ND	
Carbon tetrachloride	0.76	22	mg/kg	ND		ND		ND	
1,2-Dichloropropane	NS	NS	mg/kg	ND		ND		ND	
Dibromochloromethane	NS	NS	mg/kg	ND		ND		ND	
1,1,2-Trichloroethane	NS	NS	mg/kg	ND		ND		ND	
Tetrachloroethene	1.3	150	mg/kg	0.0029		0.00049		0.00034	J
Chlorobenzene	1.1	500	mg/kg	ND		ND		ND	
Trichlorofluoromethane	NS	NS	mg/kg	ND		ND		ND	
1,2-Dichloroethane	0.02	30	mg/kg	ND		ND		ND	
1,1,1-Trichloroethane	0.68	500	mg/kg	ND		ND		ND	
Bromodichloromethane	NS	NS	mg/kg	ND		ND		ND	
trans-1,3-Dichloropropene	NS	NS	mg/kg	ND		ND		ND	
cis-1,3-Dichloropropene	NS	NS	mg/kg	ND		ND		ND	
1,3-Dichloropropene, Total	NS	NS	mg/kg	ND		ND		ND	
1,1-Dichloropropene	NS	NS	mg/kg	ND		ND		ND	
Bromoform	NS	NS	mg/kg	ND		ND		ND	
1,1,2,2-Tetrachloroethane	NS	NS	mg/kg	ND		ND		ND	
Benzene	0.06	44	mg/kg	ND		ND		ND	
Toluene	0.7	500	mg/kg	ND		ND		ND	
Ethylbenzene	1	390	mg/kg	ND		ND		ND	
Chloromethane	NS	NS	mg/kg	ND		ND		ND	
Bromomethane	NS	NS	mg/kg	ND		ND		ND	
Vinyl chloride	0.02	13	mg/kg	0.008		0.00094		ND	
Chloroethane	NS	NS	mg/kg	ND		ND		ND	
1,1-Dichloroethene	0.33	500	mg/kg	ND		ND		ND	
trans-1,2-Dichloroethene	0.19	500	mg/kg	0.0014	J	ND		ND	
Trichloroethene	0.47	200	mg/kg	0.0031		ND		0.00023	J
1,2-Dichlorobenzene	1.1	500	mg/kg	ND		ND		ND	
1,3-Dichlorobenzene	2.4	280	mg/kg	ND		ND		ND	
1,4-Dichlorobenzene	1.8	130	mg/kg	ND		ND		ND	
Methyl tert butyl ether	0.93	500	mg/kg	ND		ND		ND	
p/m-Xylene	NS	NS	mg/kg	ND		ND		ND	
o-Xylene	NS	NS	mg/kg	ND		ND		ND	
Xylenes, Total	1.6	500	mg/kg	ND		ND		ND	
cis-1,2-Dichloroethene	0.25	500	mg/kg	0.037		0.019		0.016	
1,2-Dichloroethene, Total	NS	NS	mg/kg	0.038	J	0.019		0.016	
Dibromomethane	NS	NS	mg/kg	ND		ND		ND	
Styrene	NS	NS	mg/kg	ND		ND		ND	
Dichlorodifluoromethane	NS	NS	mg/kg	ND		ND		ND	

Table 1a. Volatile Organic Compounds in Soil
2921 Westchester Avenue
BCP Site No. C203140

SAMPLE ID:	NY-PGW	NY-RESC	Units	SB-12 (0-2)_DUP		SB-13 (0-2)		SB-13 (2-3)	
LAB ID:				L2107354-30		L2107354-32		L2107354-33	
COLLECTION DATE:				2/15/2021		2/15/2021		2/15/2021	
					Qual		Qual		Qual
Acetone	0.05	500	mg/kg	0.023		0.0066	J	0.0047	J
Carbon disulfide	NS	NS	mg/kg	ND		ND		ND	
2-Butanone	0.12	500	mg/kg	ND		ND		ND	
Vinyl acetate	NS	NS	mg/kg	ND		ND		ND	
4-Methyl-2-pentanone	NS	NS	mg/kg	ND		ND		ND	
1,2,3-Trichloropropane	NS	NS	mg/kg	ND		ND		ND	
2-Hexanone	NS	NS	mg/kg	ND		ND		ND	
Bromochloromethane	NS	NS	mg/kg	ND		ND		ND	
2,2-Dichloropropane	NS	NS	mg/kg	ND		ND		ND	
1,2-Dibromoethane	NS	NS	mg/kg	ND		ND		ND	
1,3-Dichloropropane	NS	NS	mg/kg	ND		ND		ND	
1,1,1,2-Tetrachloroethane	NS	NS	mg/kg	ND		ND		ND	
Bromobenzene	NS	NS	mg/kg	ND		ND		ND	
n-Butylbenzene	12	500	mg/kg	ND		ND		ND	
sec-Butylbenzene	11	500	mg/kg	ND		ND		ND	
tert-Butylbenzene	5.9	500	mg/kg	ND		ND		ND	
o-Chlorotoluene	NS	NS	mg/kg	ND		ND		ND	
p-Chlorotoluene	NS	NS	mg/kg	ND		ND		ND	
1,2-Dibromo-3-chloropropane	NS	NS	mg/kg	ND		ND		ND	
Hexachlorobutadiene	NS	NS	mg/kg	ND		ND		ND	
Isopropylbenzene	NS	NS	mg/kg	ND		ND		ND	
p-Isopropyltoluene	NS	NS	mg/kg	ND		ND		ND	
Naphthalene	12	500	mg/kg	ND		ND		ND	
Acrylonitrile	NS	NS	mg/kg	ND		ND		ND	
n-Propylbenzene	3.9	500	mg/kg	ND		ND		ND	
1,2,3-Trichlorobenzene	NS	NS	mg/kg	ND		ND		ND	
1,2,4-Trichlorobenzene	NS	NS	mg/kg	ND		ND		ND	
1,3,5-Trimethylbenzene	8.4	190	mg/kg	ND		ND		ND	
1,2,4-Trimethylbenzene	3.6	190	mg/kg	ND		ND		ND	
1,4-Dioxane	0.1	130	mg/kg	ND		ND		ND	
p-Diethylbenzene	NS	NS	mg/kg	ND		ND		ND	
p-Ethyltoluene	NS	NS	mg/kg	ND		ND		ND	
1,2,4,5-Tetramethylbenzene	NS	NS	mg/kg	ND		ND		ND	
Ethyl ether	NS	NS	mg/kg	ND		ND		ND	
trans-1,4-Dichloro-2-butene	NS	NS	mg/kg	ND		ND		ND	
Freon-113	NS	NS	mg/kg	--		--		--	
Methyl cyclohexane	NS	NS	mg/kg	--		--		--	
Methyl acetate	NS	NS	mg/kg	--		--		--	
Cyclohexane	NS	NS	mg/kg	--		--		--	
Volatile Organic Compounds by EPA 5035 High									
Methylene chloride	0.05	500	mg/kg	--		--		--	
1,1-Dichloroethane	0.27	240	mg/kg	--		--		--	
Chloroform	0.37	350	mg/kg	--		--		--	
Carbon tetrachloride	0.76	22	mg/kg	--		--		--	

Table 1a. Volatile Organic Compounds in Soil
2921 Westchester Avenue
BCP Site No. C203140

SAMPLE ID:	NY-PGW	NY-RESC	Units	SB-12 (0-2)_DUP	SB-13 (0-2)	SB-13 (2-3)
LAB ID:				L2107354-30	L2107354-32	L2107354-33
COLLECTION DATE:				2/15/2021	2/15/2021	2/15/2021
				Qual	Qual	Qual
1,2-Dichloropropane	NS	NS	mg/kg	--	--	--
Dibromochloromethane	NS	NS	mg/kg	--	--	--
1,1,2-Trichloroethane	NS	NS	mg/kg	--	--	--
Tetrachloroethene	1.3	150	mg/kg	--	--	--
Chlorobenzene	1.1	500	mg/kg	--	--	--
Trichlorofluoromethane	NS	NS	mg/kg	--	--	--
1,2-Dichloroethane	0.02	30	mg/kg	--	--	--
1,1,1-Trichloroethane	0.68	500	mg/kg	--	--	--
Bromodichloromethane	NS	NS	mg/kg	--	--	--
trans-1,3-Dichloropropene	NS	NS	mg/kg	--	--	--
cis-1,3-Dichloropropene	NS	NS	mg/kg	--	--	--
1,3-Dichloropropene, Total	NS	NS	mg/kg	--	--	--
1,1-Dichloropropene	NS	NS	mg/kg	--	--	--
Bromoform	NS	NS	mg/kg	--	--	--
1,1,2,2-Tetrachloroethane	NS	NS	mg/kg	--	--	--
Benzene	0.06	44	mg/kg	--	--	--
Toluene	0.7	500	mg/kg	--	--	--
Ethylbenzene	1	390	mg/kg	--	--	--
Chloromethane	NS	NS	mg/kg	--	--	--
Bromomethane	NS	NS	mg/kg	--	--	--
Vinyl chloride	0.02	13	mg/kg	--	--	--
Chloroethane	NS	NS	mg/kg	--	--	--
1,1-Dichloroethene	0.33	500	mg/kg	--	--	--
trans-1,2-Dichloroethene	0.19	500	mg/kg	--	--	--
Trichloroethene	0.47	200	mg/kg	--	--	--
1,2-Dichlorobenzene	1.1	500	mg/kg	--	--	--
1,3-Dichlorobenzene	2.4	280	mg/kg	--	--	--
1,4-Dichlorobenzene	1.8	130	mg/kg	--	--	--
Methyl tert butyl ether	0.93	500	mg/kg	--	--	--
p/m-Xylene	NS	NS	mg/kg	--	--	--
o-Xylene	NS	NS	mg/kg	--	--	--
Xylenes, Total	1.6	500	mg/kg	--	--	--
cis-1,2-Dichloroethene	0.25	500	mg/kg	--	--	--
1,2-Dichloroethene, Total	NS	NS	mg/kg	--	--	--
Dibromomethane	NS	NS	mg/kg	--	--	--
Styrene	NS	NS	mg/kg	--	--	--
Dichlorodifluoromethane	NS	NS	mg/kg	--	--	--
Acetone	0.05	500	mg/kg	--	--	--
Carbon disulfide	NS	NS	mg/kg	--	--	--
2-Butanone	0.12	500	mg/kg	--	--	--
Vinyl acetate	NS	NS	mg/kg	--	--	--
4-Methyl-2-pentanone	NS	NS	mg/kg	--	--	--
1,2,3-Trichloropropane	NS	NS	mg/kg	--	--	--
2-Hexanone	NS	NS	mg/kg	--	--	--

Table 1a. Volatile Organic Compounds in Soil
2921 Westchester Avenue
BCP Site No. C203140

SAMPLE ID:	NY-PGW	NY-RESC	Units	SB-12 (0-2)_DUP	SB-13 (0-2)	SB-13 (2-3)
LAB ID:				L2107354-30	L2107354-32	L2107354-33
COLLECTION DATE:				2/15/2021	2/15/2021	2/15/2021
				Qual	Qual	Qual
Bromochloromethane	NS	NS	mg/kg	--	--	--
2,2-Dichloropropane	NS	NS	mg/kg	--	--	--
1,2-Dibromoethane	NS	NS	mg/kg	--	--	--
1,3-Dichloropropane	NS	NS	mg/kg	--	--	--
1,1,1,2-Tetrachloroethane	NS	NS	mg/kg	--	--	--
Bromobenzene	NS	NS	mg/kg	--	--	--
n-Butylbenzene	12	500	mg/kg	--	--	--
sec-Butylbenzene	11	500	mg/kg	--	--	--
tert-Butylbenzene	5.9	500	mg/kg	--	--	--
o-Chlorotoluene	NS	NS	mg/kg	--	--	--
p-Chlorotoluene	NS	NS	mg/kg	--	--	--
1,2-Dibromo-3-chloropropane	NS	NS	mg/kg	--	--	--
Hexachlorobutadiene	NS	NS	mg/kg	--	--	--
Isopropylbenzene	NS	NS	mg/kg	--	--	--
p-Isopropyltoluene	NS	NS	mg/kg	--	--	--
Naphthalene	12	500	mg/kg	--	--	--
Acrylonitrile	NS	NS	mg/kg	--	--	--
n-Propylbenzene	3.9	500	mg/kg	--	--	--
1,2,3-Trichlorobenzene	NS	NS	mg/kg	--	--	--
1,2,4-Trichlorobenzene	NS	NS	mg/kg	--	--	--
1,3,5-Trimethylbenzene	8.4	190	mg/kg	--	--	--
1,2,4-Trimethylbenzene	3.6	190	mg/kg	--	--	--
1,4-Dioxane	0.1	130	mg/kg	--	--	--
p-Diethylbenzene	NS	NS	mg/kg	--	--	--
p-Ethyltoluene	NS	NS	mg/kg	--	--	--
1,2,4,5-Tetramethylbenzene	NS	NS	mg/kg	--	--	--
Ethyl ether	NS	NS	mg/kg	--	--	--
trans-1,4-Dichloro-2-butene	NS	NS	mg/kg	--	--	--

Notes:

Bold and shaded yellow value indicates concentration exceeds NY-PGW SCOs

Bold and shaded orange value indicates concentration exceeds NY-RESC SCOs

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

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

E = Concentration exceeds calibration curve of the instrument

J = Estimated value

ND = Not detected

NS = No standard

-- = Not analyzed

Table 1a. Volatile Organic Compounds in Soil
2921 Westchester Avenue
BCP Site No. C203140

SAMPLE ID:	NY-PGW	NY-RESC	Units	SB-16 (6-8)		SB-16 (6-8)_DUP		SB-17 (6-8)	
LAB ID:				L2209049-01		L2209049-02		L2209049-03	
COLLECTION DATE:				2/18/2022		2/18/2022		2/18/2022	
					Qual		Qual		Qual
General Chemistry									
Solids, Total	NS	NS	%	97		91.7		91.3	
Volatile Organic Compounds by EPA 5035									
Methylene chloride	0.05	500	mg/kg	ND		ND		ND	
1,1-Dichloroethane	0.27	240	mg/kg	ND		ND		ND	
Chloroform	0.37	350	mg/kg	ND		ND		ND	
Carbon tetrachloride	0.76	22	mg/kg	ND		ND		ND	
1,2-Dichloropropane	NS	NS	mg/kg	ND		ND		ND	
Dibromochloromethane	NS	NS	mg/kg	ND		ND		ND	
1,1,2-Trichloroethane	NS	NS	mg/kg	ND		ND		ND	
Tetrachloroethene	1.3	150	mg/kg	ND		ND		0.0029	
Chlorobenzene	1.1	500	mg/kg	ND		ND		ND	
Trichlorofluoromethane	NS	NS	mg/kg	ND		ND		ND	
1,2-Dichloroethane	0.02	30	mg/kg	ND		ND		ND	
1,1,1-Trichloroethane	0.68	500	mg/kg	ND		ND		ND	
Bromodichloromethane	NS	NS	mg/kg	ND		ND		ND	
trans-1,3-Dichloropropene	NS	NS	mg/kg	ND		ND		ND	
cis-1,3-Dichloropropene	NS	NS	mg/kg	ND		ND		ND	
1,3-Dichloropropene, Total	NS	NS	mg/kg	--		--		--	
1,1-Dichloropropene	NS	NS	mg/kg	--		--		--	
Bromoform	NS	NS	mg/kg	ND		ND		ND	
1,1,2,2-Tetrachloroethane	NS	NS	mg/kg	ND		ND		ND	
Benzene	0.06	44	mg/kg	ND		ND		ND	
Toluene	0.7	500	mg/kg	ND		ND		ND	
Ethylbenzene	1	390	mg/kg	ND		ND		ND	
Chloromethane	NS	NS	mg/kg	ND		ND		ND	
Bromomethane	NS	NS	mg/kg	ND		ND		ND	
Vinyl chloride	0.02	13	mg/kg	ND		ND		ND	
Chloroethane	NS	NS	mg/kg	ND		ND		ND	
1,1-Dichloroethene	0.33	500	mg/kg	ND		ND		ND	
trans-1,2-Dichloroethene	0.19	500	mg/kg	ND		ND		ND	
Trichloroethene	0.47	200	mg/kg	ND		ND		0.00044	J
1,2-Dichlorobenzene	1.1	500	mg/kg	ND		ND		ND	
1,3-Dichlorobenzene	2.4	280	mg/kg	ND		ND		ND	
1,4-Dichlorobenzene	1.8	130	mg/kg	ND		ND		ND	
Methyl tert butyl ether	0.93	500	mg/kg	ND		ND		ND	
p/m-Xylene	NS	NS	mg/kg	ND		ND		ND	
o-Xylene	NS	NS	mg/kg	ND		ND		ND	
Xylenes, Total	1.6	500	mg/kg	ND		ND		ND	
cis-1,2-Dichloroethene	0.25	500	mg/kg	ND		ND		0.0023	
1,2-Dichloroethene, Total	NS	NS	mg/kg	ND		ND		0.0023	
Dibromomethane	NS	NS	mg/kg	--		--		--	
Styrene	NS	NS	mg/kg	ND		ND		ND	
Dichlorodifluoromethane	NS	NS	mg/kg	ND		ND		ND	

Table 1a. Volatile Organic Compounds in Soil
2921 Westchester Avenue
BCP Site No. C203140

SAMPLE ID:	NY-PGW	NY-RESC	Units	SB-16 (6-8)	SB-16 (6-8)_DUP	SB-17 (6-8)
LAB ID:				L2209049-01	L2209049-02	L2209049-03
COLLECTION DATE:				2/18/2022	2/18/2022	2/18/2022
				Qual	Qual	Qual
Acetone	0.05	500	mg/kg	ND	ND	ND
Carbon disulfide	NS	NS	mg/kg	ND	ND	ND
2-Butanone	0.12	500	mg/kg	ND	ND	ND
Vinyl acetate	NS	NS	mg/kg	--	--	--
4-Methyl-2-pentanone	NS	NS	mg/kg	ND	ND	ND
1,2,3-Trichloropropane	NS	NS	mg/kg	--	--	--
2-Hexanone	NS	NS	mg/kg	ND	ND	ND
Bromochloromethane	NS	NS	mg/kg	--	--	--
2,2-Dichloropropane	NS	NS	mg/kg	--	--	--
1,2-Dibromoethane	NS	NS	mg/kg	ND	ND	ND
1,3-Dichloropropane	NS	NS	mg/kg	--	--	--
1,1,1,2-Tetrachloroethane	NS	NS	mg/kg	--	--	--
Bromobenzene	NS	NS	mg/kg	--	--	--
n-Butylbenzene	12	500	mg/kg	ND	ND	ND
sec-Butylbenzene	11	500	mg/kg	ND	ND	ND
tert-Butylbenzene	5.9	500	mg/kg	ND	ND	ND
o-Chlorotoluene	NS	NS	mg/kg	--	--	--
p-Chlorotoluene	NS	NS	mg/kg	--	--	--
1,2-Dibromo-3-chloropropane	NS	NS	mg/kg	ND	ND	ND
Hexachlorobutadiene	NS	NS	mg/kg	--	--	--
Isopropylbenzene	NS	NS	mg/kg	ND	ND	ND
p-Isopropyltoluene	NS	NS	mg/kg	ND	ND	ND
Naphthalene	12	500	mg/kg	ND	ND	ND
Acrylonitrile	NS	NS	mg/kg	--	--	--
n-Propylbenzene	3.9	500	mg/kg	ND	ND	ND
1,2,3-Trichlorobenzene	NS	NS	mg/kg	--	--	--
1,2,4-Trichlorobenzene	NS	NS	mg/kg	ND	ND	ND
1,3,5-Trimethylbenzene	8.4	190	mg/kg	ND	ND	ND
1,2,4-Trimethylbenzene	3.6	190	mg/kg	ND	ND	ND
1,4-Dioxane	0.1	130	mg/kg	--	--	--
p-Diethylbenzene	NS	NS	mg/kg	--	--	--
p-Ethyltoluene	NS	NS	mg/kg	--	--	--
1,2,4,5-Tetramethylbenzene	NS	NS	mg/kg	--	--	--
Ethyl ether	NS	NS	mg/kg	--	--	--
trans-1,4-Dichloro-2-butene	NS	NS	mg/kg	--	--	--
Freon-113	NS	NS	mg/kg	ND	ND	ND
Methyl cyclohexane	NS	NS	mg/kg	ND	ND	ND
Methyl acetate	NS	NS	mg/kg	ND	ND	ND
Cyclohexane	NS	NS	mg/kg	ND	ND	ND
Volatile Organic Compounds by EPA 5035 High						
Methylene chloride	0.05	500	mg/kg	--	--	--
1,1-Dichloroethane	0.27	240	mg/kg	--	--	--
Chloroform	0.37	350	mg/kg	--	--	--
Carbon tetrachloride	0.76	22	mg/kg	--	--	--

Table 1a. Volatile Organic Compounds in Soil
2921 Westchester Avenue
BCP Site No. C203140

SAMPLE ID:	NY-PGW	NY-RESC	Units	SB-16 (6-8)	SB-16 (6-8)_DUP	SB-17 (6-8)
LAB ID:				L2209049-01	L2209049-02	L2209049-03
COLLECTION DATE:				2/18/2022	2/18/2022	2/18/2022
				Qual	Qual	Qual
1,2-Dichloropropane	NS	NS	mg/kg	--	--	--
Dibromochloromethane	NS	NS	mg/kg	--	--	--
1,1,2-Trichloroethane	NS	NS	mg/kg	--	--	--
Tetrachloroethene	1.3	150	mg/kg	--	--	--
Chlorobenzene	1.1	500	mg/kg	--	--	--
Trichlorofluoromethane	NS	NS	mg/kg	--	--	--
1,2-Dichloroethane	0.02	30	mg/kg	--	--	--
1,1,1-Trichloroethane	0.68	500	mg/kg	--	--	--
Bromodichloromethane	NS	NS	mg/kg	--	--	--
trans-1,3-Dichloropropene	NS	NS	mg/kg	--	--	--
cis-1,3-Dichloropropene	NS	NS	mg/kg	--	--	--
1,3-Dichloropropene, Total	NS	NS	mg/kg	--	--	--
1,1-Dichloropropene	NS	NS	mg/kg	--	--	--
Bromoform	NS	NS	mg/kg	--	--	--
1,1,2,2-Tetrachloroethane	NS	NS	mg/kg	--	--	--
Benzene	0.06	44	mg/kg	--	--	--
Toluene	0.7	500	mg/kg	--	--	--
Ethylbenzene	1	390	mg/kg	--	--	--
Chloromethane	NS	NS	mg/kg	--	--	--
Bromomethane	NS	NS	mg/kg	--	--	--
Vinyl chloride	0.02	13	mg/kg	--	--	--
Chloroethane	NS	NS	mg/kg	--	--	--
1,1-Dichloroethene	0.33	500	mg/kg	--	--	--
trans-1,2-Dichloroethene	0.19	500	mg/kg	--	--	--
Trichloroethene	0.47	200	mg/kg	--	--	--
1,2-Dichlorobenzene	1.1	500	mg/kg	--	--	--
1,3-Dichlorobenzene	2.4	280	mg/kg	--	--	--
1,4-Dichlorobenzene	1.8	130	mg/kg	--	--	--
Methyl tert butyl ether	0.93	500	mg/kg	--	--	--
p/m-Xylene	NS	NS	mg/kg	--	--	--
o-Xylene	NS	NS	mg/kg	--	--	--
Xylenes, Total	1.6	500	mg/kg	--	--	--
cis-1,2-Dichloroethene	0.25	500	mg/kg	--	--	--
1,2-Dichloroethene, Total	NS	NS	mg/kg	--	--	--
Dibromomethane	NS	NS	mg/kg	--	--	--
Styrene	NS	NS	mg/kg	--	--	--
Dichlorodifluoromethane	NS	NS	mg/kg	--	--	--
Acetone	0.05	500	mg/kg	--	--	--
Carbon disulfide	NS	NS	mg/kg	--	--	--
2-Butanone	0.12	500	mg/kg	--	--	--
Vinyl acetate	NS	NS	mg/kg	--	--	--
4-Methyl-2-pentanone	NS	NS	mg/kg	--	--	--
1,2,3-Trichloropropane	NS	NS	mg/kg	--	--	--
2-Hexanone	NS	NS	mg/kg	--	--	--

Table 1a. Volatile Organic Compounds in Soil
2921 Westchester Avenue
BCP Site No. C203140

SAMPLE ID:	NY-PGW	NY-RESC	Units	SB-16 (6-8)	SB-16 (6-8)_DUP	SB-17 (6-8)
LAB ID:				L2209049-01	L2209049-02	L2209049-03
COLLECTION DATE:				2/18/2022	2/18/2022	2/18/2022
				Qual	Qual	Qual
Bromochloromethane	NS	NS	mg/kg	--	--	--
2,2-Dichloropropane	NS	NS	mg/kg	--	--	--
1,2-Dibromoethane	NS	NS	mg/kg	--	--	--
1,3-Dichloropropane	NS	NS	mg/kg	--	--	--
1,1,1,2-Tetrachloroethane	NS	NS	mg/kg	--	--	--
Bromobenzene	NS	NS	mg/kg	--	--	--
n-Butylbenzene	12	500	mg/kg	--	--	--
sec-Butylbenzene	11	500	mg/kg	--	--	--
tert-Butylbenzene	5.9	500	mg/kg	--	--	--
o-Chlorotoluene	NS	NS	mg/kg	--	--	--
p-Chlorotoluene	NS	NS	mg/kg	--	--	--
1,2-Dibromo-3-chloropropane	NS	NS	mg/kg	--	--	--
Hexachlorobutadiene	NS	NS	mg/kg	--	--	--
Isopropylbenzene	NS	NS	mg/kg	--	--	--
p-Isopropyltoluene	NS	NS	mg/kg	--	--	--
Naphthalene	12	500	mg/kg	--	--	--
Acrylonitrile	NS	NS	mg/kg	--	--	--
n-Propylbenzene	3.9	500	mg/kg	--	--	--
1,2,3-Trichlorobenzene	NS	NS	mg/kg	--	--	--
1,2,4-Trichlorobenzene	NS	NS	mg/kg	--	--	--
1,3,5-Trimethylbenzene	8.4	190	mg/kg	--	--	--
1,2,4-Trimethylbenzene	3.6	190	mg/kg	--	--	--
1,4-Dioxane	0.1	130	mg/kg	--	--	--
p-Diethylbenzene	NS	NS	mg/kg	--	--	--
p-Ethyltoluene	NS	NS	mg/kg	--	--	--
1,2,4,5-Tetramethylbenzene	NS	NS	mg/kg	--	--	--
Ethyl ether	NS	NS	mg/kg	--	--	--
trans-1,4-Dichloro-2-butene	NS	NS	mg/kg	--	--	--

Notes:

Bold and shaded yellow value indicates concentration exceeds NY-PGW SCOs

Bold and shaded orange value indicates concentration exceeds NY-RESC SCOs

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

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

E = Concentration exceeds calibration curve of the instrument

J = Estimated value

ND = Not detected

NS = No standard

-- = Not analyzed

Table 1b. Semivolatile Organic Compounds in Soil
2921 Westchester Avenue
BCP Site No. C203140

SAMPLE ID:	NY-PGW	NY-RESC	Units	SB-1 (0-1)		SB-1 (2-3)		SB-2 (0-2)	
LAB ID:				L2107354-01		L2107354-03		L2107354-04	
COLLECTION DATE:				2/15/2021		2/15/2021		2/15/2021	
					Qual		Qual		Qual
Semivolatile Organic Compounds									
Acenaphthene	98	500	mg/kg	ND		ND		ND	
1,2,4-Trichlorobenzene	NS	NS	mg/kg	ND		ND		ND	
Hexachlorobenzene	3.2	6	mg/kg	ND		ND		ND	
Bis(2-chloroethyl)ether	NS	NS	mg/kg	ND		ND		ND	
2-Chloronaphthalene	NS	NS	mg/kg	ND		ND		ND	
1,2-Dichlorobenzene	1.1	500	mg/kg	ND		ND		ND	
1,3-Dichlorobenzene	2.4	280	mg/kg	ND		ND		ND	
1,4-Dichlorobenzene	1.8	130	mg/kg	ND		ND		ND	
3,3'-Dichlorobenzidine	NS	NS	mg/kg	ND		ND		ND	
2,4-Dinitrotoluene	NS	NS	mg/kg	ND		ND		ND	
2,6-Dinitrotoluene	NS	NS	mg/kg	ND		ND		ND	
Fluoranthene	1000	500	mg/kg	ND		ND		ND	
4-Chlorophenyl phenyl ether	NS	NS	mg/kg	ND		ND		ND	
4-Bromophenyl phenyl ether	NS	NS	mg/kg	ND		ND		ND	
Bis(2-chloroisopropyl)ether	NS	NS	mg/kg	ND		ND		ND	
Bis(2-chloroethoxy)methane	NS	NS	mg/kg	ND		ND		ND	
Hexachlorobutadiene	NS	NS	mg/kg	ND		ND		ND	
Hexachlorocyclopentadiene	NS	NS	mg/kg	ND		ND		ND	
Hexachloroethane	NS	NS	mg/kg	ND		ND		ND	
Isophorone	NS	NS	mg/kg	ND		ND		ND	
Naphthalene	12	500	mg/kg	ND		ND		ND	
Nitrobenzene	NS	NS	mg/kg	ND		ND		ND	
NDPA/DPA	NS	NS	mg/kg	ND		ND		ND	
n-Nitrosodi-n-propylamine	NS	NS	mg/kg	ND		ND		ND	
Bis(2-ethylhexyl)phthalate	NS	NS	mg/kg	ND		ND		ND	
Butyl benzyl phthalate	NS	NS	mg/kg	ND		ND		ND	
Di-n-butylphthalate	NS	NS	mg/kg	ND		ND		ND	
Di-n-octylphthalate	NS	NS	mg/kg	ND		ND		ND	
Diethyl phthalate	NS	NS	mg/kg	ND		ND		ND	
Dimethyl phthalate	NS	NS	mg/kg	ND		ND		ND	
Benzo(a)anthracene	1	5.6	mg/kg	ND		ND		ND	
Benzo(a)pyrene	22	1	mg/kg	ND		ND		ND	
Benzo(b)fluoranthene	1.7	5.6	mg/kg	ND		ND		ND	
Benzo(k)fluoranthene	1.7	56	mg/kg	ND		ND		ND	
Chrysene	1	56	mg/kg	ND		ND		0.021	J
Acenaphthylene	107	500	mg/kg	ND		ND		ND	
Anthracene	1000	500	mg/kg	ND		ND		ND	
Benzo(ghi)perylene	1000	500	mg/kg	ND		ND		ND	
Fluorene	386	500	mg/kg	ND		ND		ND	
Phenanthrene	1000	500	mg/kg	ND		ND		ND	
Dibenzo(a,h)anthracene	1000	0.56	mg/kg	ND		ND		ND	
Indeno(1,2,3-cd)pyrene	8.2	5.6	mg/kg	ND		ND		ND	

Table 1b. Semivolatile Organic Compounds in Soil
2921 Westchester Avenue
BCP Site No. C203140

SAMPLE ID:	NY-PGW	NY-RESC	Units	SB-1 (0-1)	SB-1 (2-3)	SB-2 (0-2)
LAB ID:				L2107354-01	L2107354-03	L2107354-04
COLLECTION DATE:				2/15/2021	2/15/2021	2/15/2021
				Qual	Qual	Qual
Pyrene	1000	500	mg/kg	ND	ND	ND
Biphenyl	NS	NS	mg/kg	ND	ND	ND
4-Chloroaniline	NS	NS	mg/kg	ND	ND	ND
2-Nitroaniline	NS	NS	mg/kg	ND	ND	ND
3-Nitroaniline	NS	NS	mg/kg	ND	ND	ND
4-Nitroaniline	NS	NS	mg/kg	ND	ND	ND
Dibenzofuran	210	350	mg/kg	ND	ND	ND
2-Methylnaphthalene	NS	NS	mg/kg	ND	ND	ND
1,2,4,5-Tetrachlorobenzene	NS	NS	mg/kg	ND	ND	ND
Acetophenone	NS	NS	mg/kg	ND	ND	ND
2,4,6-Trichlorophenol	NS	NS	mg/kg	ND	ND	ND
p-Chloro-m-cresol	NS	NS	mg/kg	ND	ND	ND
2-Chlorophenol	NS	NS	mg/kg	ND	ND	ND
2,4-Dichlorophenol	NS	NS	mg/kg	ND	ND	ND
2,4-Dimethylphenol	NS	NS	mg/kg	ND	ND	ND
2-Nitrophenol	NS	NS	mg/kg	ND	ND	ND
4-Nitrophenol	NS	NS	mg/kg	ND	ND	ND
2,4-Dinitrophenol	NS	NS	mg/kg	ND	ND	ND
4,6-Dinitro-o-cresol	NS	NS	mg/kg	ND	ND	ND
Pentachlorophenol	0.8	6.7	mg/kg	ND	ND	ND
Phenol	0.33	500	mg/kg	ND	ND	ND
2-Methylphenol	0.33	500	mg/kg	ND	ND	ND
3-Methylphenol/4-Methylphenol	0.33	500	mg/kg	ND	ND	ND
2,4,5-Trichlorophenol	NS	NS	mg/kg	ND	ND	ND
Benzoic Acid	NS	NS	mg/kg	ND	ND	ND
Benzyl Alcohol	NS	NS	mg/kg	ND	ND	ND
Carbazole	NS	NS	mg/kg	ND	ND	ND

Notes:

Bold and shaded yellow value indicates concentration exceeds NY-PGW SCOs

Bold and shaded orange value indicates concentration exceeds NY-RESC SCOs

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

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

J = Estimated value

ND = Not detected

NS = No standard

Table 1b. Semivolatile Organic Compounds in Soil
2921 Westchester Avenue
BCP Site No. C203140

SAMPLE ID:	NY-PGW	NY-RESC	Units	SB-2 (2-3)	SB-3 (0-2)	SB-3 (2-3)
LAB ID:				L2107354-05	L2107354-06	L2107354-08
COLLECTION DATE:				2/15/2021	2/15/2021	2/15/2021
				Qual	Qual	Qual
Semivolatile Organic Compounds						
Acenaphthene	98	500	mg/kg	ND	ND	ND
1,2,4-Trichlorobenzene	NS	NS	mg/kg	ND	ND	ND
Hexachlorobenzene	3.2	6	mg/kg	ND	ND	ND
Bis(2-chloroethyl)ether	NS	NS	mg/kg	ND	ND	ND
2-Chloronaphthalene	NS	NS	mg/kg	ND	ND	ND
1,2-Dichlorobenzene	1.1	500	mg/kg	ND	ND	ND
1,3-Dichlorobenzene	2.4	280	mg/kg	ND	ND	ND
1,4-Dichlorobenzene	1.8	130	mg/kg	ND	ND	ND
3,3'-Dichlorobenzidine	NS	NS	mg/kg	ND	ND	ND
2,4-Dinitrotoluene	NS	NS	mg/kg	ND	ND	ND
2,6-Dinitrotoluene	NS	NS	mg/kg	ND	ND	ND
Fluoranthene	1000	500	mg/kg	ND	ND	ND
4-Chlorophenyl phenyl ether	NS	NS	mg/kg	ND	ND	ND
4-Bromophenyl phenyl ether	NS	NS	mg/kg	ND	ND	ND
Bis(2-chloroisopropyl)ether	NS	NS	mg/kg	ND	ND	ND
Bis(2-chloroethoxy)methane	NS	NS	mg/kg	ND	ND	ND
Hexachlorobutadiene	NS	NS	mg/kg	ND	ND	ND
Hexachlorocyclopentadiene	NS	NS	mg/kg	ND	ND	ND
Hexachloroethane	NS	NS	mg/kg	ND	ND	ND
Isophorone	NS	NS	mg/kg	ND	ND	ND
Naphthalene	12	500	mg/kg	ND	ND	ND
Nitrobenzene	NS	NS	mg/kg	ND	ND	ND
NDPA/DPA	NS	NS	mg/kg	ND	ND	ND
n-Nitrosodi-n-propylamine	NS	NS	mg/kg	ND	ND	ND
Bis(2-ethylhexyl)phthalate	NS	NS	mg/kg	ND	ND	ND
Butyl benzyl phthalate	NS	NS	mg/kg	ND	ND	ND
Di-n-butylphthalate	NS	NS	mg/kg	ND	ND	ND
Di-n-octylphthalate	NS	NS	mg/kg	ND	ND	ND
Diethyl phthalate	NS	NS	mg/kg	ND	ND	ND
Dimethyl phthalate	NS	NS	mg/kg	ND	ND	ND
Benzo(a)anthracene	1	5.6	mg/kg	ND	ND	ND
Benzo(a)pyrene	22	1	mg/kg	ND	ND	ND
Benzo(b)fluoranthene	1.7	5.6	mg/kg	ND	ND	ND
Benzo(k)fluoranthene	1.7	56	mg/kg	ND	ND	ND
Chrysene	1	56	mg/kg	ND	ND	ND
Acenaphthylene	107	500	mg/kg	ND	ND	ND
Anthracene	1000	500	mg/kg	ND	ND	ND
Benzo(ghi)perylene	1000	500	mg/kg	ND	ND	ND
Fluorene	386	500	mg/kg	ND	ND	ND
Phenanthrene	1000	500	mg/kg	ND	ND	ND
Dibenzo(a,h)anthracene	1000	0.56	mg/kg	ND	ND	ND
Indeno(1,2,3-cd)pyrene	8.2	5.6	mg/kg	ND	ND	ND

Table 1b. Semivolatile Organic Compounds in Soil
2921 Westchester Avenue
BCP Site No. C203140

SAMPLE ID:	NY-PGW	NY-RESC	Units	SB-2 (2-3)	SB-3 (0-2)	SB-3 (2-3)
LAB ID:				L2107354-05	L2107354-06	L2107354-08
COLLECTION DATE:				2/15/2021	2/15/2021	2/15/2021
				Qual	Qual	Qual
Pyrene	1000	500	mg/kg	ND	ND	ND
Biphenyl	NS	NS	mg/kg	ND	ND	ND
4-Chloroaniline	NS	NS	mg/kg	ND	ND	ND
2-Nitroaniline	NS	NS	mg/kg	ND	ND	ND
3-Nitroaniline	NS	NS	mg/kg	ND	ND	ND
4-Nitroaniline	NS	NS	mg/kg	ND	ND	ND
Dibenzofuran	210	350	mg/kg	ND	ND	ND
2-Methylnaphthalene	NS	NS	mg/kg	ND	ND	ND
1,2,4,5-Tetrachlorobenzene	NS	NS	mg/kg	ND	ND	ND
Acetophenone	NS	NS	mg/kg	ND	ND	ND
2,4,6-Trichlorophenol	NS	NS	mg/kg	ND	ND	ND
p-Chloro-m-cresol	NS	NS	mg/kg	ND	ND	ND
2-Chlorophenol	NS	NS	mg/kg	ND	ND	ND
2,4-Dichlorophenol	NS	NS	mg/kg	ND	ND	ND
2,4-Dimethylphenol	NS	NS	mg/kg	ND	ND	ND
2-Nitrophenol	NS	NS	mg/kg	ND	ND	ND
4-Nitrophenol	NS	NS	mg/kg	ND	ND	ND
2,4-Dinitrophenol	NS	NS	mg/kg	ND	ND	ND
4,6-Dinitro-o-cresol	NS	NS	mg/kg	ND	ND	ND
Pentachlorophenol	0.8	6.7	mg/kg	ND	ND	ND
Phenol	0.33	500	mg/kg	ND	ND	ND
2-Methylphenol	0.33	500	mg/kg	ND	ND	ND
3-Methylphenol/4-Methylphenol	0.33	500	mg/kg	ND	ND	ND
2,4,5-Trichlorophenol	NS	NS	mg/kg	ND	ND	ND
Benzoic Acid	NS	NS	mg/kg	ND	ND	ND
Benzyl Alcohol	NS	NS	mg/kg	ND	ND	ND
Carbazole	NS	NS	mg/kg	ND	ND	ND

Notes:

Bold and shaded yellow value indicates concentration exceeds NY-PGW SCOs

Bold and shaded orange value indicates concentration exceeds NY-RESC SCOs

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

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

J = Estimated value

ND = Not detected

NS = No standard

Table 1b. Semivolatile Organic Compounds in Soil
2921 Westchester Avenue
BCP Site No. C203140

SAMPLE ID:	NY-PGW	NY-RESC	Units	SB-3 (0-2)_DUP	SB-4 (1-2)	SB-4 (2-3)
LAB ID:				L2107354-07	L2107354-10	L2107354-11
COLLECTION DATE:				2/15/2021	2/15/2021	2/15/2021
				Qual	Qual	Qual
Semivolatile Organic Compounds						
Acenaphthene	98	500	mg/kg	ND	ND	ND
1,2,4-Trichlorobenzene	NS	NS	mg/kg	ND	ND	ND
Hexachlorobenzene	3.2	6	mg/kg	ND	ND	ND
Bis(2-chloroethyl)ether	NS	NS	mg/kg	ND	ND	ND
2-Chloronaphthalene	NS	NS	mg/kg	ND	ND	ND
1,2-Dichlorobenzene	1.1	500	mg/kg	ND	ND	ND
1,3-Dichlorobenzene	2.4	280	mg/kg	ND	ND	ND
1,4-Dichlorobenzene	1.8	130	mg/kg	ND	ND	ND
3,3'-Dichlorobenzidine	NS	NS	mg/kg	ND	ND	ND
2,4-Dinitrotoluene	NS	NS	mg/kg	ND	ND	ND
2,6-Dinitrotoluene	NS	NS	mg/kg	ND	ND	ND
Fluoranthene	1000	500	mg/kg	ND	ND	ND
4-Chlorophenyl phenyl ether	NS	NS	mg/kg	ND	ND	ND
4-Bromophenyl phenyl ether	NS	NS	mg/kg	ND	ND	ND
Bis(2-chloroisopropyl)ether	NS	NS	mg/kg	ND	ND	ND
Bis(2-chloroethoxy)methane	NS	NS	mg/kg	ND	ND	ND
Hexachlorobutadiene	NS	NS	mg/kg	ND	ND	ND
Hexachlorocyclopentadiene	NS	NS	mg/kg	ND	ND	ND
Hexachloroethane	NS	NS	mg/kg	ND	ND	ND
Isophorone	NS	NS	mg/kg	ND	ND	ND
Naphthalene	12	500	mg/kg	ND	ND	ND
Nitrobenzene	NS	NS	mg/kg	ND	ND	ND
NDPA/DPA	NS	NS	mg/kg	ND	ND	ND
n-Nitrosodi-n-propylamine	NS	NS	mg/kg	ND	ND	ND
Bis(2-ethylhexyl)phthalate	NS	NS	mg/kg	ND	ND	ND
Butyl benzyl phthalate	NS	NS	mg/kg	ND	ND	ND
Di-n-butylphthalate	NS	NS	mg/kg	ND	ND	ND
Di-n-octylphthalate	NS	NS	mg/kg	ND	ND	ND
Diethyl phthalate	NS	NS	mg/kg	ND	ND	ND
Dimethyl phthalate	NS	NS	mg/kg	ND	ND	ND
Benzo(a)anthracene	1	5.6	mg/kg	ND	ND	ND
Benzo(a)pyrene	22	1	mg/kg	ND	ND	ND
Benzo(b)fluoranthene	1.7	5.6	mg/kg	ND	ND	ND
Benzo(k)fluoranthene	1.7	56	mg/kg	ND	ND	ND
Chrysene	1	56	mg/kg	ND	ND	ND
Acenaphthylene	107	500	mg/kg	ND	ND	ND
Anthracene	1000	500	mg/kg	ND	ND	ND
Benzo(ghi)perylene	1000	500	mg/kg	ND	ND	ND
Fluorene	386	500	mg/kg	ND	ND	ND
Phenanthrene	1000	500	mg/kg	ND	ND	ND
Dibenzo(a,h)anthracene	1000	0.56	mg/kg	ND	ND	ND
Indeno(1,2,3-cd)pyrene	8.2	5.6	mg/kg	ND	ND	ND

Table 1b. Semivolatile Organic Compounds in Soil
2921 Westchester Avenue
BCP Site No. C203140

SAMPLE ID:	NY-PGW	NY-RESC	Units	SB-3 (0-2)_DUP	SB-4 (1-2)	SB-4 (2-3)
LAB ID:				L2107354-07	L2107354-10	L2107354-11
COLLECTION DATE:				2/15/2021	2/15/2021	2/15/2021
				Qual	Qual	Qual
Pyrene	1000	500	mg/kg	ND	ND	ND
Biphenyl	NS	NS	mg/kg	ND	ND	ND
4-Chloroaniline	NS	NS	mg/kg	ND	ND	ND
2-Nitroaniline	NS	NS	mg/kg	ND	ND	ND
3-Nitroaniline	NS	NS	mg/kg	ND	ND	ND
4-Nitroaniline	NS	NS	mg/kg	ND	ND	ND
Dibenzofuran	210	350	mg/kg	ND	ND	ND
2-Methylnaphthalene	NS	NS	mg/kg	ND	ND	ND
1,2,4,5-Tetrachlorobenzene	NS	NS	mg/kg	ND	ND	ND
Acetophenone	NS	NS	mg/kg	ND	ND	ND
2,4,6-Trichlorophenol	NS	NS	mg/kg	ND	ND	ND
p-Chloro-m-cresol	NS	NS	mg/kg	ND	ND	ND
2-Chlorophenol	NS	NS	mg/kg	ND	ND	ND
2,4-Dichlorophenol	NS	NS	mg/kg	ND	ND	ND
2,4-Dimethylphenol	NS	NS	mg/kg	ND	ND	ND
2-Nitrophenol	NS	NS	mg/kg	ND	ND	ND
4-Nitrophenol	NS	NS	mg/kg	ND	ND	ND
2,4-Dinitrophenol	NS	NS	mg/kg	ND	ND	ND
4,6-Dinitro-o-cresol	NS	NS	mg/kg	ND	ND	ND
Pentachlorophenol	0.8	6.7	mg/kg	ND	ND	ND
Phenol	0.33	500	mg/kg	ND	ND	ND
2-Methylphenol	0.33	500	mg/kg	ND	ND	ND
3-Methylphenol/4-Methylphenol	0.33	500	mg/kg	ND	ND	ND
2,4,5-Trichlorophenol	NS	NS	mg/kg	ND	ND	ND
Benzoic Acid	NS	NS	mg/kg	ND	ND	ND
Benzyl Alcohol	NS	NS	mg/kg	ND	ND	ND
Carbazole	NS	NS	mg/kg	ND	ND	ND

Notes:

Bold and shaded yellow value indicates concentration exceeds NY-PGW SCOs

Bold and shaded orange value indicates concentration exceeds NY-RESC SCOs

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

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

J = Estimated value

ND = Not detected

NS = No standard

Table 1b. Semivolatile Organic Compounds in Soil
2921 Westchester Avenue
BCP Site No. C203140

SAMPLE ID:	NY-PGW	NY-RESC	Units	SB-5 (1-2)	SB-5 (2-3)	SB-6 (1-2)
LAB ID:				L2107354-13	L2107354-14	L2107354-16
COLLECTION DATE:				2/15/2021	2/15/2021	2/15/2021
				Qual	Qual	Qual
Semivolatile Organic Compounds						
Acenaphthene	98	500	mg/kg	ND	ND	ND
1,2,4-Trichlorobenzene	NS	NS	mg/kg	ND	ND	ND
Hexachlorobenzene	3.2	6	mg/kg	ND	ND	ND
Bis(2-chloroethyl)ether	NS	NS	mg/kg	ND	ND	ND
2-Chloronaphthalene	NS	NS	mg/kg	ND	ND	ND
1,2-Dichlorobenzene	1.1	500	mg/kg	ND	ND	ND
1,3-Dichlorobenzene	2.4	280	mg/kg	ND	ND	ND
1,4-Dichlorobenzene	1.8	130	mg/kg	ND	ND	ND
3,3'-Dichlorobenzidine	NS	NS	mg/kg	ND	ND	ND
2,4-Dinitrotoluene	NS	NS	mg/kg	ND	ND	ND
2,6-Dinitrotoluene	NS	NS	mg/kg	ND	ND	ND
Fluoranthene	1000	500	mg/kg	ND	ND	ND
4-Chlorophenyl phenyl ether	NS	NS	mg/kg	ND	ND	ND
4-Bromophenyl phenyl ether	NS	NS	mg/kg	ND	ND	ND
Bis(2-chloroisopropyl)ether	NS	NS	mg/kg	ND	ND	ND
Bis(2-chloroethoxy)methane	NS	NS	mg/kg	ND	ND	ND
Hexachlorobutadiene	NS	NS	mg/kg	ND	ND	ND
Hexachlorocyclopentadiene	NS	NS	mg/kg	ND	ND	ND
Hexachloroethane	NS	NS	mg/kg	ND	ND	ND
Isophorone	NS	NS	mg/kg	ND	ND	ND
Naphthalene	12	500	mg/kg	ND	ND	ND
Nitrobenzene	NS	NS	mg/kg	ND	ND	ND
NDPA/DPA	NS	NS	mg/kg	ND	ND	ND
n-Nitrosodi-n-propylamine	NS	NS	mg/kg	ND	ND	ND
Bis(2-ethylhexyl)phthalate	NS	NS	mg/kg	ND	ND	ND
Butyl benzyl phthalate	NS	NS	mg/kg	ND	ND	ND
Di-n-butylphthalate	NS	NS	mg/kg	ND	ND	ND
Di-n-octylphthalate	NS	NS	mg/kg	ND	ND	ND
Diethyl phthalate	NS	NS	mg/kg	ND	ND	ND
Dimethyl phthalate	NS	NS	mg/kg	ND	ND	ND
Benzo(a)anthracene	1	5.6	mg/kg	ND	ND	ND
Benzo(a)pyrene	22	1	mg/kg	ND	ND	ND
Benzo(b)fluoranthene	1.7	5.6	mg/kg	ND	ND	ND
Benzo(k)fluoranthene	1.7	56	mg/kg	ND	ND	ND
Chrysene	1	56	mg/kg	ND	ND	ND
Acenaphthylene	107	500	mg/kg	ND	ND	ND
Anthracene	1000	500	mg/kg	ND	ND	ND
Benzo(ghi)perylene	1000	500	mg/kg	ND	ND	ND
Fluorene	386	500	mg/kg	ND	ND	ND
Phenanthrene	1000	500	mg/kg	ND	ND	ND
Dibenzo(a,h)anthracene	1000	0.56	mg/kg	ND	ND	ND
Indeno(1,2,3-cd)pyrene	8.2	5.6	mg/kg	ND	ND	ND

Table 1b. Semivolatile Organic Compounds in Soil
2921 Westchester Avenue
BCP Site No. C203140

SAMPLE ID:	NY-PGW	NY-RESC	Units	SB-5 (1-2)	SB-5 (2-3)	SB-6 (1-2)
LAB ID:				L2107354-13	L2107354-14	L2107354-16
COLLECTION DATE:				2/15/2021	2/15/2021	2/15/2021
				Qual	Qual	Qual
Pyrene	1000	500	mg/kg	ND	ND	ND
Biphenyl	NS	NS	mg/kg	ND	ND	ND
4-Chloroaniline	NS	NS	mg/kg	ND	ND	ND
2-Nitroaniline	NS	NS	mg/kg	ND	ND	ND
3-Nitroaniline	NS	NS	mg/kg	ND	ND	ND
4-Nitroaniline	NS	NS	mg/kg	ND	ND	ND
Dibenzofuran	210	350	mg/kg	ND	ND	ND
2-Methylnaphthalene	NS	NS	mg/kg	ND	ND	ND
1,2,4,5-Tetrachlorobenzene	NS	NS	mg/kg	ND	ND	ND
Acetophenone	NS	NS	mg/kg	ND	ND	ND
2,4,6-Trichlorophenol	NS	NS	mg/kg	ND	ND	ND
p-Chloro-m-cresol	NS	NS	mg/kg	ND	ND	ND
2-Chlorophenol	NS	NS	mg/kg	ND	ND	ND
2,4-Dichlorophenol	NS	NS	mg/kg	ND	ND	ND
2,4-Dimethylphenol	NS	NS	mg/kg	ND	ND	ND
2-Nitrophenol	NS	NS	mg/kg	ND	ND	ND
4-Nitrophenol	NS	NS	mg/kg	ND	ND	ND
2,4-Dinitrophenol	NS	NS	mg/kg	ND	ND	ND
4,6-Dinitro-o-cresol	NS	NS	mg/kg	ND	ND	ND
Pentachlorophenol	0.8	6.7	mg/kg	ND	ND	ND
Phenol	0.33	500	mg/kg	ND	ND	ND
2-Methylphenol	0.33	500	mg/kg	ND	ND	ND
3-Methylphenol/4-Methylphenol	0.33	500	mg/kg	ND	ND	ND
2,4,5-Trichlorophenol	NS	NS	mg/kg	ND	ND	ND
Benzoic Acid	NS	NS	mg/kg	ND	ND	ND
Benzyl Alcohol	NS	NS	mg/kg	ND	ND	ND
Carbazole	NS	NS	mg/kg	ND	ND	ND

Notes:

Bold and shaded yellow value indicates concentration exceeds NY-PGW SCOs

Bold and shaded orange value indicates concentration exceeds NY-RESC SCOs

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

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

J = Estimated value

ND = Not detected

NS = No standard

Table 1b. Semivolatile Organic Compounds in Soil
2921 Westchester Avenue
BCP Site No. C203140

SAMPLE ID:	NY-PGW	NY-RESC	Units	SB-6 (2-3)	SB-7 (1-2)	SB-7 (2-3)
LAB ID:				L2107354-17	L2107354-19	L2107354-20
COLLECTION DATE:				2/15/2021	2/15/2021	2/15/2021
				Qual	Qual	Qual
Semivolatile Organic Compounds						
Acenaphthene	98	500	mg/kg	ND	ND	ND
1,2,4-Trichlorobenzene	NS	NS	mg/kg	ND	ND	ND
Hexachlorobenzene	3.2	6	mg/kg	ND	ND	ND
Bis(2-chloroethyl)ether	NS	NS	mg/kg	ND	ND	ND
2-Chloronaphthalene	NS	NS	mg/kg	ND	ND	ND
1,2-Dichlorobenzene	1.1	500	mg/kg	ND	ND	ND
1,3-Dichlorobenzene	2.4	280	mg/kg	ND	ND	ND
1,4-Dichlorobenzene	1.8	130	mg/kg	ND	ND	ND
3,3'-Dichlorobenzidine	NS	NS	mg/kg	ND	ND	ND
2,4-Dinitrotoluene	NS	NS	mg/kg	ND	ND	ND
2,6-Dinitrotoluene	NS	NS	mg/kg	ND	ND	ND
Fluoranthene	1000	500	mg/kg	ND	ND	ND
4-Chlorophenyl phenyl ether	NS	NS	mg/kg	ND	ND	ND
4-Bromophenyl phenyl ether	NS	NS	mg/kg	ND	ND	ND
Bis(2-chloroisopropyl)ether	NS	NS	mg/kg	ND	ND	ND
Bis(2-chloroethoxy)methane	NS	NS	mg/kg	ND	ND	ND
Hexachlorobutadiene	NS	NS	mg/kg	ND	ND	ND
Hexachlorocyclopentadiene	NS	NS	mg/kg	ND	ND	ND
Hexachloroethane	NS	NS	mg/kg	ND	ND	ND
Isophorone	NS	NS	mg/kg	ND	ND	ND
Naphthalene	12	500	mg/kg	ND	ND	ND
Nitrobenzene	NS	NS	mg/kg	ND	ND	ND
NDPA/DPA	NS	NS	mg/kg	ND	ND	ND
n-Nitrosodi-n-propylamine	NS	NS	mg/kg	ND	ND	ND
Bis(2-ethylhexyl)phthalate	NS	NS	mg/kg	ND	ND	ND
Butyl benzyl phthalate	NS	NS	mg/kg	ND	ND	ND
Di-n-butylphthalate	NS	NS	mg/kg	ND	ND	ND
Di-n-octylphthalate	NS	NS	mg/kg	ND	ND	ND
Diethyl phthalate	NS	NS	mg/kg	ND	ND	ND
Dimethyl phthalate	NS	NS	mg/kg	ND	ND	ND
Benzo(a)anthracene	1	5.6	mg/kg	ND	ND	ND
Benzo(a)pyrene	22	1	mg/kg	ND	ND	ND
Benzo(b)fluoranthene	1.7	5.6	mg/kg	ND	ND	ND
Benzo(k)fluoranthene	1.7	56	mg/kg	ND	ND	ND
Chrysene	1	56	mg/kg	ND	ND	ND
Acenaphthylene	107	500	mg/kg	ND	ND	ND
Anthracene	1000	500	mg/kg	ND	ND	ND
Benzo(ghi)perylene	1000	500	mg/kg	ND	ND	ND
Fluorene	386	500	mg/kg	ND	ND	ND
Phenanthrene	1000	500	mg/kg	ND	ND	ND
Dibenzo(a,h)anthracene	1000	0.56	mg/kg	ND	ND	ND
Indeno(1,2,3-cd)pyrene	8.2	5.6	mg/kg	ND	ND	ND

Table 1b. Semivolatile Organic Compounds in Soil
2921 Westchester Avenue
BCP Site No. C203140

SAMPLE ID:	NY-PGW	NY-RESC	Units	SB-6 (2-3)	SB-7 (1-2)	SB-7 (2-3)
LAB ID:				L2107354-17	L2107354-19	L2107354-20
COLLECTION DATE:				2/15/2021	2/15/2021	2/15/2021
				Qual	Qual	Qual
Pyrene	1000	500	mg/kg	ND	ND	ND
Biphenyl	NS	NS	mg/kg	ND	ND	ND
4-Chloroaniline	NS	NS	mg/kg	ND	ND	ND
2-Nitroaniline	NS	NS	mg/kg	ND	ND	ND
3-Nitroaniline	NS	NS	mg/kg	ND	ND	ND
4-Nitroaniline	NS	NS	mg/kg	ND	ND	ND
Dibenzofuran	210	350	mg/kg	ND	ND	ND
2-Methylnaphthalene	NS	NS	mg/kg	ND	ND	ND
1,2,4,5-Tetrachlorobenzene	NS	NS	mg/kg	ND	ND	ND
Acetophenone	NS	NS	mg/kg	ND	ND	ND
2,4,6-Trichlorophenol	NS	NS	mg/kg	ND	ND	ND
p-Chloro-m-cresol	NS	NS	mg/kg	ND	ND	ND
2-Chlorophenol	NS	NS	mg/kg	ND	ND	ND
2,4-Dichlorophenol	NS	NS	mg/kg	ND	ND	ND
2,4-Dimethylphenol	NS	NS	mg/kg	ND	ND	ND
2-Nitrophenol	NS	NS	mg/kg	ND	ND	ND
4-Nitrophenol	NS	NS	mg/kg	ND	ND	ND
2,4-Dinitrophenol	NS	NS	mg/kg	ND	ND	ND
4,6-Dinitro-o-cresol	NS	NS	mg/kg	ND	ND	ND
Pentachlorophenol	0.8	6.7	mg/kg	ND	ND	ND
Phenol	0.33	500	mg/kg	ND	ND	ND
2-Methylphenol	0.33	500	mg/kg	ND	ND	ND
3-Methylphenol/4-Methylphenol	0.33	500	mg/kg	ND	ND	ND
2,4,5-Trichlorophenol	NS	NS	mg/kg	ND	ND	ND
Benzoic Acid	NS	NS	mg/kg	ND	ND	ND
Benzyl Alcohol	NS	NS	mg/kg	ND	ND	ND
Carbazole	NS	NS	mg/kg	ND	ND	ND

Notes:

Bold and shaded yellow value indicates concentration exceeds NY-PGW SCOs

Bold and shaded orange value indicates concentration exceeds NY-RESC SCOs

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

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

J = Estimated value

ND = Not detected

NS = No standard

Table 1b. Semivolatile Organic Compounds in Soil
2921 Westchester Avenue
BCP Site No. C203140

SAMPLE ID:	NY-PGW	NY-RESC	Units	SB-8 (1-2)		SB-8 (2-3)	SB-9 (0-1)
LAB ID:				L2107354-22		L2107354-23	L2107354-24
COLLECTION DATE:				2/15/2021		2/15/2021	2/15/2021
					Qual	Qual	Qual
Semivolatile Organic Compounds							
Acenaphthene	98	500	mg/kg	ND		ND	ND
1,2,4-Trichlorobenzene	NS	NS	mg/kg	ND		ND	ND
Hexachlorobenzene	3.2	6	mg/kg	ND		ND	ND
Bis(2-chloroethyl)ether	NS	NS	mg/kg	ND		ND	ND
2-Chloronaphthalene	NS	NS	mg/kg	ND		ND	ND
1,2-Dichlorobenzene	1.1	500	mg/kg	ND		ND	ND
1,3-Dichlorobenzene	2.4	280	mg/kg	ND		ND	ND
1,4-Dichlorobenzene	1.8	130	mg/kg	ND		ND	ND
3,3'-Dichlorobenzidine	NS	NS	mg/kg	ND		ND	ND
2,4-Dinitrotoluene	NS	NS	mg/kg	ND		ND	ND
2,6-Dinitrotoluene	NS	NS	mg/kg	ND		ND	ND
Fluoranthene	1000	500	mg/kg	0.025	J	ND	ND
4-Chlorophenyl phenyl ether	NS	NS	mg/kg	ND		ND	ND
4-Bromophenyl phenyl ether	NS	NS	mg/kg	ND		ND	ND
Bis(2-chloroisopropyl)ether	NS	NS	mg/kg	ND		ND	ND
Bis(2-chloroethoxy)methane	NS	NS	mg/kg	ND		ND	ND
Hexachlorobutadiene	NS	NS	mg/kg	ND		ND	ND
Hexachlorocyclopentadiene	NS	NS	mg/kg	ND		ND	ND
Hexachloroethane	NS	NS	mg/kg	ND		ND	ND
Isophorone	NS	NS	mg/kg	ND		ND	ND
Naphthalene	12	500	mg/kg	ND		ND	ND
Nitrobenzene	NS	NS	mg/kg	ND		ND	ND
NDPA/DPA	NS	NS	mg/kg	ND		ND	ND
n-Nitrosodi-n-propylamine	NS	NS	mg/kg	ND		ND	ND
Bis(2-ethylhexyl)phthalate	NS	NS	mg/kg	ND		ND	ND
Butyl benzyl phthalate	NS	NS	mg/kg	ND		ND	ND
Di-n-butylphthalate	NS	NS	mg/kg	ND		ND	ND
Di-n-octylphthalate	NS	NS	mg/kg	ND		ND	ND
Diethyl phthalate	NS	NS	mg/kg	ND		ND	ND
Dimethyl phthalate	NS	NS	mg/kg	ND		ND	ND
Benzo(a)anthracene	1	5.6	mg/kg	ND		ND	ND
Benzo(a)pyrene	22	1	mg/kg	ND		ND	ND
Benzo(b)fluoranthene	1.7	5.6	mg/kg	ND		ND	ND
Benzo(k)fluoranthene	1.7	56	mg/kg	ND		ND	ND
Chrysene	1	56	mg/kg	0.02	J	ND	ND
Acenaphthylene	107	500	mg/kg	ND		ND	ND
Anthracene	1000	500	mg/kg	ND		ND	ND
Benzo(ghi)perylene	1000	500	mg/kg	ND		ND	ND
Fluorene	386	500	mg/kg	ND		ND	ND
Phenanthrene	1000	500	mg/kg	0.035	J	ND	ND
Dibenzo(a,h)anthracene	1000	0.56	mg/kg	ND		ND	ND
Indeno(1,2,3-cd)pyrene	8.2	5.6	mg/kg	ND		ND	ND

Table 1b. Semivolatile Organic Compounds in Soil
2921 Westchester Avenue
BCP Site No. C203140

SAMPLE ID:	NY-PGW	NY-RESC	Units	SB-8 (1-2)		SB-8 (2-3)	SB-9 (0-1)
LAB ID:				L2107354-22		L2107354-23	L2107354-24
COLLECTION DATE:				2/15/2021		2/15/2021	2/15/2021
					Qual	Qual	Qual
Pyrene	1000	500	mg/kg	0.023	J	ND	ND
Biphenyl	NS	NS	mg/kg	ND		ND	ND
4-Chloroaniline	NS	NS	mg/kg	ND		ND	ND
2-Nitroaniline	NS	NS	mg/kg	ND		ND	ND
3-Nitroaniline	NS	NS	mg/kg	ND		ND	ND
4-Nitroaniline	NS	NS	mg/kg	ND		ND	ND
Dibenzofuran	210	350	mg/kg	ND		ND	ND
2-Methylnaphthalene	NS	NS	mg/kg	ND		ND	ND
1,2,4,5-Tetrachlorobenzene	NS	NS	mg/kg	ND		ND	ND
Acetophenone	NS	NS	mg/kg	ND		ND	ND
2,4,6-Trichlorophenol	NS	NS	mg/kg	ND		ND	ND
p-Chloro-m-cresol	NS	NS	mg/kg	ND		ND	ND
2-Chlorophenol	NS	NS	mg/kg	ND		ND	ND
2,4-Dichlorophenol	NS	NS	mg/kg	ND		ND	ND
2,4-Dimethylphenol	NS	NS	mg/kg	ND		ND	ND
2-Nitrophenol	NS	NS	mg/kg	ND		ND	ND
4-Nitrophenol	NS	NS	mg/kg	ND		ND	ND
2,4-Dinitrophenol	NS	NS	mg/kg	ND		ND	ND
4,6-Dinitro-o-cresol	NS	NS	mg/kg	ND		ND	ND
Pentachlorophenol	0.8	6.7	mg/kg	ND		ND	ND
Phenol	0.33	500	mg/kg	ND		ND	ND
2-Methylphenol	0.33	500	mg/kg	ND		ND	ND
3-Methylphenol/4-Methylphenol	0.33	500	mg/kg	ND		ND	ND
2,4,5-Trichlorophenol	NS	NS	mg/kg	ND		ND	ND
Benzoic Acid	NS	NS	mg/kg	ND		ND	ND
Benzyl Alcohol	NS	NS	mg/kg	ND		ND	ND
Carbazole	NS	NS	mg/kg	ND		ND	ND

Notes:

Bold and shaded yellow value indicates concentration exceeds NY-PGW SCOs

Bold and shaded orange value indicates concentration exceeds NY-RESC SCOs

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

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

J = Estimated value

ND = Not detected

NS = No standard

Table 1b. Semivolatile Organic Compounds in Soil
2921 Westchester Avenue
BCP Site No. C203140

SAMPLE ID:	NY-PGW	NY-RESC	Units	SB-9 (2-3)		SB-11 (0-2)		SB-11 (2-3)	
LAB ID:				L2107354-26		L2107354-27		L2107354-28	
COLLECTION DATE:				2/15/2021		2/15/2021		2/15/2021	
					Qual		Qual		Qual
Semivolatile Organic Compounds									
Acenaphthene	98	500	mg/kg	ND		ND		ND	
1,2,4-Trichlorobenzene	NS	NS	mg/kg	ND		ND		ND	
Hexachlorobenzene	3.2	6	mg/kg	ND		ND		ND	
Bis(2-chloroethyl)ether	NS	NS	mg/kg	ND		ND		ND	
2-Chloronaphthalene	NS	NS	mg/kg	ND		ND		ND	
1,2-Dichlorobenzene	1.1	500	mg/kg	ND		ND		ND	
1,3-Dichlorobenzene	2.4	280	mg/kg	ND		ND		ND	
1,4-Dichlorobenzene	1.8	130	mg/kg	ND		ND		ND	
3,3'-Dichlorobenzidine	NS	NS	mg/kg	ND		ND		ND	
2,4-Dinitrotoluene	NS	NS	mg/kg	ND		ND		ND	
2,6-Dinitrotoluene	NS	NS	mg/kg	ND		ND		ND	
Fluoranthene	1000	500	mg/kg	ND		0.13		ND	
4-Chlorophenyl phenyl ether	NS	NS	mg/kg	ND		ND		ND	
4-Bromophenyl phenyl ether	NS	NS	mg/kg	ND		ND		ND	
Bis(2-chloroisopropyl)ether	NS	NS	mg/kg	ND		ND		ND	
Bis(2-chloroethoxy)methane	NS	NS	mg/kg	ND		ND		ND	
Hexachlorobutadiene	NS	NS	mg/kg	ND		ND		ND	
Hexachlorocyclopentadiene	NS	NS	mg/kg	ND		ND		ND	
Hexachloroethane	NS	NS	mg/kg	ND		ND		ND	
Isophorone	NS	NS	mg/kg	ND		ND		ND	
Naphthalene	12	500	mg/kg	ND		ND		ND	
Nitrobenzene	NS	NS	mg/kg	ND		ND		ND	
NDPA/DPA	NS	NS	mg/kg	ND		ND		ND	
n-Nitrosodi-n-propylamine	NS	NS	mg/kg	ND		ND		ND	
Bis(2-ethylhexyl)phthalate	NS	NS	mg/kg	ND		ND		ND	
Butyl benzyl phthalate	NS	NS	mg/kg	ND		ND		ND	
Di-n-butylphthalate	NS	NS	mg/kg	ND		ND		ND	
Di-n-octylphthalate	NS	NS	mg/kg	ND		ND		ND	
Diethyl phthalate	NS	NS	mg/kg	ND		ND		ND	
Dimethyl phthalate	NS	NS	mg/kg	ND		ND		ND	
Benzo(a)anthracene	1	5.6	mg/kg	ND		0.058	J	ND	
Benzo(a)pyrene	22	1	mg/kg	ND		0.06	J	ND	
Benzo(b)fluoranthene	1.7	5.6	mg/kg	ND		0.066	J	ND	
Benzo(k)fluoranthene	1.7	56	mg/kg	ND		0.033	J	ND	
Chrysene	1	56	mg/kg	ND		0.063	J	ND	
Acenaphthylene	107	500	mg/kg	ND		ND		ND	
Anthracene	1000	500	mg/kg	ND		ND		ND	
Benzo(ghi)perylene	1000	500	mg/kg	ND		0.042	J	ND	
Fluorene	386	500	mg/kg	ND		ND		ND	
Phenanthrene	1000	500	mg/kg	ND		0.11		ND	
Dibenzo(a,h)anthracene	1000	0.56	mg/kg	ND		ND		ND	
Indeno(1,2,3-cd)pyrene	8.2	5.6	mg/kg	ND		0.046	J	ND	

Table 1b. Semivolatile Organic Compounds in Soil
2921 Westchester Avenue
BCP Site No. C203140

SAMPLE ID:	NY-PGW	NY-RESC	Units	SB-9 (2-3)	SB-11 (0-2)	SB-11 (2-3)
LAB ID:				L2107354-26	L2107354-27	L2107354-28
COLLECTION DATE:				2/15/2021	2/15/2021	2/15/2021
				Qual	Qual	Qual
Pyrene	1000	500	mg/kg	ND	0.13	ND
Biphenyl	NS	NS	mg/kg	ND	ND	ND
4-Chloroaniline	NS	NS	mg/kg	ND	ND	ND
2-Nitroaniline	NS	NS	mg/kg	ND	ND	ND
3-Nitroaniline	NS	NS	mg/kg	ND	ND	ND
4-Nitroaniline	NS	NS	mg/kg	ND	ND	ND
Dibenzofuran	210	350	mg/kg	ND	ND	ND
2-Methylnaphthalene	NS	NS	mg/kg	ND	ND	ND
1,2,4,5-Tetrachlorobenzene	NS	NS	mg/kg	ND	ND	ND
Acetophenone	NS	NS	mg/kg	ND	ND	ND
2,4,6-Trichlorophenol	NS	NS	mg/kg	ND	ND	ND
p-Chloro-m-cresol	NS	NS	mg/kg	ND	ND	ND
2-Chlorophenol	NS	NS	mg/kg	ND	ND	ND
2,4-Dichlorophenol	NS	NS	mg/kg	ND	ND	ND
2,4-Dimethylphenol	NS	NS	mg/kg	ND	ND	ND
2-Nitrophenol	NS	NS	mg/kg	ND	ND	ND
4-Nitrophenol	NS	NS	mg/kg	ND	ND	ND
2,4-Dinitrophenol	NS	NS	mg/kg	ND	ND	ND
4,6-Dinitro-o-cresol	NS	NS	mg/kg	ND	ND	ND
Pentachlorophenol	0.8	6.7	mg/kg	ND	ND	ND
Phenol	0.33	500	mg/kg	ND	ND	ND
2-Methylphenol	0.33	500	mg/kg	ND	ND	ND
3-Methylphenol/4-Methylphenol	0.33	500	mg/kg	ND	ND	ND
2,4,5-Trichlorophenol	NS	NS	mg/kg	ND	ND	ND
Benzoic Acid	NS	NS	mg/kg	ND	ND	ND
Benzyl Alcohol	NS	NS	mg/kg	ND	ND	ND
Carbazole	NS	NS	mg/kg	ND	ND	ND

Notes:

Bold and shaded yellow value indicates concentration exceeds NY-PGW SCOs

Bold and shaded orange value indicates concentration exceeds NY-RESC SCOs

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

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

J = Estimated value

ND = Not detected

NS = No standard

Table 1b. Semivolatile Organic Compounds in Soil
2921 Westchester Avenue
BCP Site No. C203140

SAMPLE ID:	NY-PGW	NY-RESC	Units	SB-12 (0-2)		SB-12 (2-3)		SB-12 (0-2)_DUP	
LAB ID:				L2107354-29		L2107354-31		L2107354-30	
COLLECTION DATE:				2/15/2021		2/15/2021		2/15/2021	
					Qual		Qual		Qual
Semivolatile Organic Compounds									
Acenaphthene	98	500	mg/kg	ND		ND		ND	
1,2,4-Trichlorobenzene	NS	NS	mg/kg	ND		ND		ND	
Hexachlorobenzene	3.2	6	mg/kg	ND		ND		ND	
Bis(2-chloroethyl)ether	NS	NS	mg/kg	ND		ND		ND	
2-Chloronaphthalene	NS	NS	mg/kg	ND		ND		ND	
1,2-Dichlorobenzene	1.1	500	mg/kg	ND		ND		ND	
1,3-Dichlorobenzene	2.4	280	mg/kg	ND		ND		ND	
1,4-Dichlorobenzene	1.8	130	mg/kg	ND		ND		ND	
3,3'-Dichlorobenzidine	NS	NS	mg/kg	ND		ND		ND	
2,4-Dinitrotoluene	NS	NS	mg/kg	ND		ND		ND	
2,6-Dinitrotoluene	NS	NS	mg/kg	ND		ND		ND	
Fluoranthene	1000	500	mg/kg	0.021	J	ND		0.023	J
4-Chlorophenyl phenyl ether	NS	NS	mg/kg	ND		ND		ND	
4-Bromophenyl phenyl ether	NS	NS	mg/kg	ND		ND		ND	
Bis(2-chloroisopropyl)ether	NS	NS	mg/kg	ND		ND		ND	
Bis(2-chloroethoxy)methane	NS	NS	mg/kg	ND		ND		ND	
Hexachlorobutadiene	NS	NS	mg/kg	ND		ND		ND	
Hexachlorocyclopentadiene	NS	NS	mg/kg	ND		ND		ND	
Hexachloroethane	NS	NS	mg/kg	ND		ND		ND	
Isophorone	NS	NS	mg/kg	ND		ND		ND	
Naphthalene	12	500	mg/kg	ND		ND		ND	
Nitrobenzene	NS	NS	mg/kg	ND		ND		ND	
NDPA/DPA	NS	NS	mg/kg	ND		ND		ND	
n-Nitrosodi-n-propylamine	NS	NS	mg/kg	ND		ND		ND	
Bis(2-ethylhexyl)phthalate	NS	NS	mg/kg	ND		ND		ND	
Butyl benzyl phthalate	NS	NS	mg/kg	ND		ND		ND	
Di-n-butylphthalate	NS	NS	mg/kg	ND		ND		ND	
Di-n-octylphthalate	NS	NS	mg/kg	ND		ND		ND	
Diethyl phthalate	NS	NS	mg/kg	ND		ND		ND	
Dimethyl phthalate	NS	NS	mg/kg	ND		ND		ND	
Benzo(a)anthracene	1	5.6	mg/kg	ND		ND		ND	
Benzo(a)pyrene	22	1	mg/kg	ND		ND		ND	
Benzo(b)fluoranthene	1.7	5.6	mg/kg	ND		ND		ND	
Benzo(k)fluoranthene	1.7	56	mg/kg	ND		ND		ND	
Chrysene	1	56	mg/kg	ND		ND		ND	
Acenaphthylene	107	500	mg/kg	ND		ND		ND	
Anthracene	1000	500	mg/kg	ND		ND		ND	
Benzo(ghi)perylene	1000	500	mg/kg	ND		ND		ND	
Fluorene	386	500	mg/kg	ND		ND		ND	
Phenanthrene	1000	500	mg/kg	ND		ND		ND	
Dibenzo(a,h)anthracene	1000	0.56	mg/kg	ND		ND		ND	
Indeno(1,2,3-cd)pyrene	8.2	5.6	mg/kg	ND		ND		ND	

Table 1b. Semivolatile Organic Compounds in Soil
2921 Westchester Avenue
BCP Site No. C203140

SAMPLE ID:	NY-PGW	NY-RESC	Units	SB-12 (0-2)		SB-12 (2-3)		SB-12 (0-2)_DUP	
LAB ID:				L2107354-29		L2107354-31		L2107354-30	
COLLECTION DATE:				2/15/2021		2/15/2021		2/15/2021	
					Qual		Qual		Qual
Pyrene	1000	500	mg/kg	0.019	J	ND		0.02	J
Biphenyl	NS	NS	mg/kg	ND		ND		ND	
4-Chloroaniline	NS	NS	mg/kg	ND		ND		ND	
2-Nitroaniline	NS	NS	mg/kg	ND		ND		ND	
3-Nitroaniline	NS	NS	mg/kg	ND		ND		ND	
4-Nitroaniline	NS	NS	mg/kg	ND		ND		ND	
Dibenzofuran	210	350	mg/kg	ND		ND		ND	
2-Methylnaphthalene	NS	NS	mg/kg	ND		ND		ND	
1,2,4,5-Tetrachlorobenzene	NS	NS	mg/kg	ND		ND		ND	
Acetophenone	NS	NS	mg/kg	ND		ND		ND	
2,4,6-Trichlorophenol	NS	NS	mg/kg	ND		ND		ND	
p-Chloro-m-cresol	NS	NS	mg/kg	ND		ND		ND	
2-Chlorophenol	NS	NS	mg/kg	ND		ND		ND	
2,4-Dichlorophenol	NS	NS	mg/kg	ND		ND		ND	
2,4-Dimethylphenol	NS	NS	mg/kg	ND		ND		ND	
2-Nitrophenol	NS	NS	mg/kg	ND		ND		ND	
4-Nitrophenol	NS	NS	mg/kg	ND		ND		ND	
2,4-Dinitrophenol	NS	NS	mg/kg	ND		ND		ND	
4,6-Dinitro-o-cresol	NS	NS	mg/kg	ND		ND		ND	
Pentachlorophenol	0.8	6.7	mg/kg	ND		ND		ND	
Phenol	0.33	500	mg/kg	ND		ND		ND	
2-Methylphenol	0.33	500	mg/kg	ND		ND		ND	
3-Methylphenol/4-Methylphenol	0.33	500	mg/kg	ND		ND		ND	
2,4,5-Trichlorophenol	NS	NS	mg/kg	ND		ND		ND	
Benzoic Acid	NS	NS	mg/kg	ND		ND		ND	
Benzyl Alcohol	NS	NS	mg/kg	ND		ND		ND	
Carbazole	NS	NS	mg/kg	ND		ND		ND	

Notes:

Bold and shaded yellow value indicates concentration exceeds NY-PGW SCOs

Bold and shaded orange value indicates concentration exceeds NY-RESC SCOs

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

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

J = Estimated value

ND = Not detected

NS = No standard

Table 1b. Semivolatile Organic Compounds in Soil
2921 Westchester Avenue
BCP Site No. C203140

SAMPLE ID:	NY-PGW	NY-RESC	Units	SB-13 (0-2)	SB-13 (2-3)
LAB ID:				L2107354-32	L2107354-33
COLLECTION DATE:				2/15/2021	2/15/2021
				Qual	Qual
Semivolatile Organic Compounds					
Acenaphthene	98	500	mg/kg	ND	ND
1,2,4-Trichlorobenzene	NS	NS	mg/kg	ND	ND
Hexachlorobenzene	3.2	6	mg/kg	ND	ND
Bis(2-chloroethyl)ether	NS	NS	mg/kg	ND	ND
2-Chloronaphthalene	NS	NS	mg/kg	ND	ND
1,2-Dichlorobenzene	1.1	500	mg/kg	ND	ND
1,3-Dichlorobenzene	2.4	280	mg/kg	ND	ND
1,4-Dichlorobenzene	1.8	130	mg/kg	ND	ND
3,3'-Dichlorobenzidine	NS	NS	mg/kg	ND	ND
2,4-Dinitrotoluene	NS	NS	mg/kg	ND	ND
2,6-Dinitrotoluene	NS	NS	mg/kg	ND	ND
Fluoranthene	1000	500	mg/kg	ND	ND
4-Chlorophenyl phenyl ether	NS	NS	mg/kg	ND	ND
4-Bromophenyl phenyl ether	NS	NS	mg/kg	ND	ND
Bis(2-chloroisopropyl)ether	NS	NS	mg/kg	ND	ND
Bis(2-chloroethoxy)methane	NS	NS	mg/kg	ND	ND
Hexachlorobutadiene	NS	NS	mg/kg	ND	ND
Hexachlorocyclopentadiene	NS	NS	mg/kg	ND	ND
Hexachloroethane	NS	NS	mg/kg	ND	ND
Isophorone	NS	NS	mg/kg	ND	ND
Naphthalene	12	500	mg/kg	ND	ND
Nitrobenzene	NS	NS	mg/kg	ND	ND
NDPA/DPA	NS	NS	mg/kg	ND	ND
n-Nitrosodi-n-propylamine	NS	NS	mg/kg	ND	ND
Bis(2-ethylhexyl)phthalate	NS	NS	mg/kg	ND	ND
Butyl benzyl phthalate	NS	NS	mg/kg	ND	ND
Di-n-butylphthalate	NS	NS	mg/kg	ND	ND
Di-n-octylphthalate	NS	NS	mg/kg	ND	ND
Diethyl phthalate	NS	NS	mg/kg	ND	ND
Dimethyl phthalate	NS	NS	mg/kg	ND	ND
Benzo(a)anthracene	1	5.6	mg/kg	ND	ND
Benzo(a)pyrene	22	1	mg/kg	ND	ND
Benzo(b)fluoranthene	1.7	5.6	mg/kg	ND	ND
Benzo(k)fluoranthene	1.7	56	mg/kg	ND	ND
Chrysene	1	56	mg/kg	ND	ND
Acenaphthylene	107	500	mg/kg	ND	ND
Anthracene	1000	500	mg/kg	ND	ND
Benzo(ghi)perylene	1000	500	mg/kg	ND	ND
Fluorene	386	500	mg/kg	ND	ND
Phenanthrene	1000	500	mg/kg	ND	ND
Dibenzo(a,h)anthracene	1000	0.56	mg/kg	ND	ND
Indeno(1,2,3-cd)pyrene	8.2	5.6	mg/kg	ND	ND

Table 1b. Semivolatile Organic Compounds in Soil
2921 Westchester Avenue
BCP Site No. C203140

SAMPLE ID:	NY-PGW	NY-RESC	Units	SB-13 (0-2)	SB-13 (2-3)
LAB ID:				L2107354-32	L2107354-33
COLLECTION DATE:				2/15/2021	2/15/2021
				Qual	Qual
Pyrene	1000	500	mg/kg	ND	ND
Biphenyl	NS	NS	mg/kg	ND	ND
4-Chloroaniline	NS	NS	mg/kg	ND	ND
2-Nitroaniline	NS	NS	mg/kg	ND	ND
3-Nitroaniline	NS	NS	mg/kg	ND	ND
4-Nitroaniline	NS	NS	mg/kg	ND	ND
Dibenzofuran	210	350	mg/kg	ND	ND
2-Methylnaphthalene	NS	NS	mg/kg	ND	ND
1,2,4,5-Tetrachlorobenzene	NS	NS	mg/kg	ND	ND
Acetophenone	NS	NS	mg/kg	ND	ND
2,4,6-Trichlorophenol	NS	NS	mg/kg	ND	ND
p-Chloro-m-cresol	NS	NS	mg/kg	ND	ND
2-Chlorophenol	NS	NS	mg/kg	ND	ND
2,4-Dichlorophenol	NS	NS	mg/kg	ND	ND
2,4-Dimethylphenol	NS	NS	mg/kg	ND	ND
2-Nitrophenol	NS	NS	mg/kg	ND	ND
4-Nitrophenol	NS	NS	mg/kg	ND	ND
2,4-Dinitrophenol	NS	NS	mg/kg	ND	ND
4,6-Dinitro-o-cresol	NS	NS	mg/kg	ND	ND
Pentachlorophenol	0.8	6.7	mg/kg	ND	ND
Phenol	0.33	500	mg/kg	ND	ND
2-Methylphenol	0.33	500	mg/kg	ND	ND
3-Methylphenol/4-Methylphenol	0.33	500	mg/kg	ND	ND
2,4,5-Trichlorophenol	NS	NS	mg/kg	ND	ND
Benzoic Acid	NS	NS	mg/kg	ND	ND
Benzyl Alcohol	NS	NS	mg/kg	ND	ND
Carbazole	NS	NS	mg/kg	ND	ND

Notes:

Bold and shaded yellow value indicates concentration exceeds NY-PGW SCOs

Bold and shaded orange value indicates concentration exceeds NY-RESC SCOs

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

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

J = Estimated value

ND = Not detected

NS = No standard

Table 1c. Metals in Soil
2921 Westchester Avenue
BCP Site No. C203140

SAMPLE ID:	NY-PGW	NY-RESC	Units	SB-1 (0-1)		SB-1 (2-3)		SB-2 (0-2)		SB-2 (2-3)		SB-3 (0-2)		SB-3 (2-3)		SB-3 (0-2)_DUP		SB-4 (1-2)	
LAB ID:				L2107354-01		L2107354-03		L2107354-04		L2107354-05		L2107354-06		L2107354-08		L2107354-07		L2107354-10	
COLLECTION DATE:				2/15/2021		2/15/2021		2/15/2021		2/15/2021		2/15/2021		2/15/2021		2/15/2021		2/15/2021	
					Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual
General Chemistry																			
Chromium, Trivalent	NS	1500	mg/kg	26		23	J	30		19		27		24		15	J	20	
Cyanide, Total	40	27	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND	
Chromium, Hexavalent	19	400	mg/kg	ND		0.248	J	ND		ND		ND		ND		0.32	J	ND	
Total Metals																			
Aluminum, Total	NS	NS	mg/kg	4740		4250		5810		3500		5140		5000		3280		5180	
Antimony, Total	NS	NS	mg/kg	ND		ND		ND		2.13	J	ND		ND		ND		ND	
Arsenic, Total	16	16	mg/kg	0.79	J	0.629	J	0.697	J	0.547	J	0.854	J	0.678	J	0.469	J	2.98	
Barium, Total	820	400	mg/kg	34.7		32.6		40.6		28.1		37.5		40		21.4		78.4	
Beryllium, Total	47	590	mg/kg	ND		ND		0.054	J	ND		ND		ND		ND		0.04	J
Cadmium, Total	7.5	9.3	mg/kg	0.213	J	0.21	J	0.253	J	0.188	J	0.232	J	0.229	J	0.159	J	0.311	J
Calcium, Total	NS	NS	mg/kg	7110		7700		3960		6000		4250		5670		4720		26500	
Chromium, Total	NS	NS	mg/kg	26		23.4		30		19		26.9		23.5		15.6		19.7	
Cobalt, Total	NS	NS	mg/kg	6.82		6.33		7.49		5.56		7.57		6.8		4.17		5.79	
Copper, Total	1720	270	mg/kg	15.6		14.5		15.9		14.4		16.4		16.7		14		15.6	
Iron, Total	NS	NS	mg/kg	10200		10400		12700		9340		11400		10900		7790		10600	
Lead, Total	450	1000	mg/kg	2.82	J	1.79	J	4.6		1.63	J	2.53	J	3.17	J	1.38	J	84.8	
Magnesium, Total	NS	NS	mg/kg	7450		7420		5950		6370		6660		6150		5510		8850	
Manganese, Total	2000	10000	mg/kg	157		151		150		127		176		350		97.8		175	
Mercury, Total	0.73	2.8	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND	
Nickel, Total	130	310	mg/kg	43.2		46.6		55.1		36.1		54.2		50		32.4		39.9	
Potassium, Total	NS	NS	mg/kg	1380		1320		1430		1120		1510		1450		789		1210	
Selenium, Total	4	1500	mg/kg	ND		0.344	J	ND		0.231	J	0.306	J	0.299	J	ND		0.351	J
Silver, Total	8.3	1500	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND	
Sodium, Total	NS	NS	mg/kg	309		277		293		244		352		321		303		313	
Thallium, Total	NS	NS	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND	
Vanadium, Total	NS	NS	mg/kg	20.7		22.1		20.7		17.2		18.9		17		18.2		19.1	
Zinc, Total	2480	10000	mg/kg	17.5		14.2		22.2		12.5		17.6		18.7		9.88		40.2	

Notes:

Bold and shaded yellow value indicates concentration exceeds NY-PGW SCOs

Bold and shaded orange value indicates concentration exceeds NY-RESC SCOs

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

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

J = Estimated value

ND = Not detected

NS = No standard

Table 1c. Metals in Soil
2921 Westchester Avenue
BCP Site No. C203140

SAMPLE ID:	NY-PGW	NY-RESC	Units	SB-4 (2-3)		SB-5 (1-2)		SB-5 (2-3)		SB-6 (1-2)		SB-6 (2-3)		SB-7 (1-2)		SB-7 (2-3)		SB-8 (1-2)	
LAB ID:				L2107354-11		L2107354-13		L2107354-14		L2107354-16		L2107354-17		L2107354-19		L2107354-20		L2107354-22	
COLLECTION DATE:				2/15/2021		2/15/2021		2/15/2021		2/15/2021		2/15/2021		2/15/2021		2/15/2021		2/15/2021	
					Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual
General Chemistry																			
Chromium, Trivalent	NS	1500	mg/kg	30	J	27		23	J	34	J	20		29		19	J	25	J
Cyanide, Total	40	27	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND	
Chromium, Hexavalent	19	400	mg/kg	0.364	J	ND		0.96	J	0.302	J	ND		ND		0.254	J	0.25	J
Total Metals																			
Aluminum, Total	NS	NS	mg/kg	5260		4630		4430		5100		4230		5260		3670		6800	
Antimony, Total	NS	NS	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND	
Arsenic, Total	16	16	mg/kg	0.829	J	1.1		0.745	J	0.752	J	0.421	J	0.728	J	0.373	J	1.16	
Barium, Total	820	400	mg/kg	37.7		64.2		37.3		39.8		31		43.4		27.5		61.9	
Beryllium, Total	47	590	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND	
Cadmium, Total	7.5	9.3	mg/kg	0.247	J	0.267	J	0.22	J	0.227	J	0.189	J	0.243	J	0.174	J	0.269	J
Calcium, Total	NS	NS	mg/kg	7990		9840		7340		8110		6210		6790		5840		6250	
Chromium, Total	NS	NS	mg/kg	30		26.7		23.8		34.4		20		29.3		19.6		24.9	
Cobalt, Total	NS	NS	mg/kg	7.68		6.92		6.57		7.12		6.8		7.49		5.88		8.64	
Copper, Total	1720	270	mg/kg	16.3		22.2		16.4		18.3		16.9		19.8		13.6		23.3	
Iron, Total	NS	NS	mg/kg	12200		10900		10400		11100		9290		11200		8640		12400	
Lead, Total	450	1000	mg/kg	1.98	J	27		5.98		2.03	J	1.53	J	6.41		1.5	J	6.73	
Magnesium, Total	NS	NS	mg/kg	9390		7440		7720		7560		6960		8190		6960		6590	
Manganese, Total	2000	10000	mg/kg	170		160		156		161		132		158		132		141	
Mercury, Total	0.73	2.8	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND	
Nickel, Total	130	310	mg/kg	60.7		52.2		51.6		39.4		45		54		45.2		36.2	
Potassium, Total	NS	NS	mg/kg	1570		1370		1280		1590		1110		1510		1070		2240	
Selenium, Total	4	1500	mg/kg	0.335	J	ND		ND		ND		ND		0.374	J	ND		ND	
Silver, Total	8.3	1500	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND	
Sodium, Total	NS	NS	mg/kg	321		286		290		316		308		342		250		301	
Thallium, Total	NS	NS	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND	
Vanadium, Total	NS	NS	mg/kg	22.4		20.3		19.3		21.2		18.4		22.9		16.8		25.4	
Zinc, Total	2480	10000	mg/kg	18.9		103		45		16.6		13		24.8		12.1		34	

Notes:

Bold and shaded yellow value indicates concentration exceeds NY-PGW SCOs

Bold and shaded orange value indicates concentration exceeds NY-RESC SCOs

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

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

J = Estimated value

ND = Not detected

NS = No standard

Table 1c. Metals in Soil
2921 Westchester Avenue
BCP Site No. C203140

SAMPLE ID:	NY-PGW	NY-RESC	Units	SB-8 (2-3)		SB-9 (0-1)		SB-9 (2-3)		SB-11 (0-2)		SB-11 (2-3)		SB-12 (0-2)		SB-12 (2-3)		SB-12 (0-2)_DUP	
LAB ID:				L2107354-23		L2107354-24		L2107354-26		L2107354-27		L2107354-28		L2107354-29		L2107354-31		L2107354-30	
COLLECTION DATE:				2/15/2021		2/15/2021		2/15/2021		2/15/2021		2/15/2021		2/15/2021		2/15/2021		2/15/2021	
					Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual
General Chemistry																			
Chromium, Trivalent	NS	1500	mg/kg	26		30		22	J	21	J	36		20		22		6.6	
Cyanide, Total	40	27	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND	
Chromium, Hexavalent	19	400	mg/kg	ND		ND		0.333	J	0.208	J	ND		ND		ND		ND	
Total Metals																			
Aluminum, Total	NS	NS	mg/kg	5080		5320		4170		4280		4770		3620		3870		5980	
Antimony, Total	NS	NS	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND	
Arsenic, Total	16	16	mg/kg	1.21		0.596	J	0.399	J	3.81		2.35		0.427	J	ND		9.7	
Barium, Total	820	400	mg/kg	38.1		41.5		30.2		59.8		70.1		30.4		35.1		88.6	
Beryllium, Total	47	590	mg/kg	ND		ND		ND		0.18	J	ND		ND		ND		0.184	J
Cadmium, Total	7.5	9.3	mg/kg	0.226	J	0.24	J	0.204	J	0.287	J	0.548	J	0.258	J	0.29	J	0.398	J
Calcium, Total	NS	NS	mg/kg	6410		7420		6860		14500		11900		5110		5410		28200	
Chromium, Total	NS	NS	mg/kg	26.4		30.4		22.6		21.4		35.8		19.5		22		6.6	
Cobalt, Total	NS	NS	mg/kg	7.42		7.62		7.61		5.07		7.71		5.92		6.45		5.28	
Copper, Total	1720	270	mg/kg	15.9		18.3		17		37		22.7		14.6		13.5		30.6	
Iron, Total	NS	NS	mg/kg	11000		11600		10100		8290		12200		8190		8940		8920	
Lead, Total	450	1000	mg/kg	2.37	J	4.37	J	1.91	J	138		419		1.43	J	1.55	J	51.3	
Magnesium, Total	NS	NS	mg/kg	8760		8650		9630		3110		4260		6430		7950		2760	
Manganese, Total	2000	10000	mg/kg	149		169		138		113		113		110		143		89.5	
Mercury, Total	0.73	2.8	mg/kg	ND		ND		ND		0.051	J	ND		ND		ND		0.062	J
Nickel, Total	130	310	mg/kg	62.5		57.4		69.9		24.9		40.5		37.5		51.1		12.5	
Potassium, Total	NS	NS	mg/kg	1520		1660		1220		936		2130		1270		1440		460	
Selenium, Total	4	1500	mg/kg	ND		ND		ND		0.602	J	0.341	J	ND		ND		0.291	J
Silver, Total	8.3	1500	mg/kg	ND		ND		ND		ND		0.372	J	ND		ND		ND	
Sodium, Total	NS	NS	mg/kg	310		329		288		320		339		303		268		588	
Thallium, Total	NS	NS	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND	
Vanadium, Total	NS	NS	mg/kg	19		22.4		20.4		13.2		17.9		17		17.7		15	
Zinc, Total	2480	10000	mg/kg	16.6		23.4		14.8		58.1		66.5		14		15.2		38.6	

Notes:

Bold and shaded yellow value indicates concentration exceeds NY-PGW SCOs

Bold and shaded orange value indicates concentration exceeds NY-RESC SCOs

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

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

J = Estimated value

ND = Not detected

NS = No standard

Table 1c. Metals in Soil
2921 Westchester Avenue
BCP Site No. C203140

SAMPLE ID:	NY-PGW	NY-RESC	Units	SB-13 (0-2)		SB-13 (2-3)	
LAB ID:				L2107354-32		L2107354-33	
COLLECTION DATE:				2/15/2021		2/15/2021	
					Qual		Qual
General Chemistry							
Chromium, Trivalent	NS	1500	mg/kg	19		20	J
Cyanide, Total	40	27	mg/kg	ND		ND	
Chromium, Hexavalent	19	400	mg/kg	ND		0.196	J
Total Metals							
Aluminum, Total	NS	NS	mg/kg	3160		3810	
Antimony, Total	NS	NS	mg/kg	ND		ND	
Arsenic, Total	16	16	mg/kg	0.385	J	ND	
Barium, Total	820	400	mg/kg	27.8		33.3	
Beryllium, Total	47	590	mg/kg	ND		ND	
Cadmium, Total	7.5	9.3	mg/kg	0.265	J	0.272	J
Calcium, Total	NS	NS	mg/kg	5530		5210	
Chromium, Total	NS	NS	mg/kg	19.3		20	
Cobalt, Total	NS	NS	mg/kg	5.81		5.91	
Copper, Total	1720	270	mg/kg	13.5		13.9	
Iron, Total	NS	NS	mg/kg	8230		8430	
Lead, Total	450	1000	mg/kg	1.68	J	1.59	J
Magnesium, Total	NS	NS	mg/kg	6700		6200	
Manganese, Total	2000	10000	mg/kg	126		129	
Mercury, Total	0.73	2.8	mg/kg	ND		ND	
Nickel, Total	130	310	mg/kg	39.8		33.4	
Potassium, Total	NS	NS	mg/kg	1130		1430	
Selenium, Total	4	1500	mg/kg	0.291	J	ND	
Silver, Total	8.3	1500	mg/kg	ND		ND	
Sodium, Total	NS	NS	mg/kg	318		294	
Thallium, Total	NS	NS	mg/kg	ND		ND	
Vanadium, Total	NS	NS	mg/kg	16.6		17.4	
Zinc, Total	2480	10000	mg/kg	13.2		14.6	

Notes:

Bold and shaded yellow value indicates concentration exceeds NY-PGW SCOs

Bold and shaded orange value indicates concentration exceeds NY-RESC SCOs

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

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

J = Estimated value

ND = Not detected

NS = No standard

Table 1d. Pesticides, Herbicides, and Polychlorinated Biphenyls in Soil
2921 Westchester Avenue
BCP Site No. C203140

SAMPLE ID:	NY-PGW	NY-RESC	Units	SB-1 (0-1)		SB-1 (2-3)		SB-2 (0-2)		SB-2 (2-3)		SB-3 (0-2)		SB-3 (2-3)		SB-3 (0-2)_DUP		SB-4 (1-2)		SB-4 (2-3)		SB-5 (1-2)		SB-5 (2-3)	
LAB ID:				L2107354-01		L2107354-03		L2107354-04		L2107354-05		L2107354-06		L2107354-08		L2107354-07		L2107354-10		L2107354-11		L2107354-13		L2107354-14	
COLLECTION DATE:				2/15/2021		2/15/2021		2/15/2021		2/15/2021		2/15/2021		2/15/2021		2/15/2021		2/15/2021		2/15/2021		2/15/2021		2/15/2021	
					Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual
Chlorinated Herbicides																									
2,4-D	NS	NS	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
2,4,5-T	NS	NS	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
2,4,5-TP (Silvex)	3.8	500	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Organochlorine Pesticides																									
Delta-BHC	0.25	500	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Lindane	0.1	9.2	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Alpha-BHC	0.02	3.4	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Beta-BHC	0.09	3	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Heptachlor	0.38	15	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Aldrin	0.19	0.68	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Heptachlor epoxide	NS	NS	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Endrin	0.06	89	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Endrin aldehyde	NS	NS	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Endrin ketone	NS	NS	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Dieldrin	0.1	1.4	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
4,4'-DDE	17	62	mg/kg	0.000722	J	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
4,4'-DDD	14	92	mg/kg	0.000767	JP	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
4,4'-DDT	136	47	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Endosulfan I	102	200	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Endosulfan II	102	200	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Endosulfan sulfate	1000	200	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Methoxychlor	NS	NS	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Toxaphene	NS	NS	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
cis-Chlordane	2.9	24	mg/kg	0.00184	JP	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
trans-Chlordane	NS	NS	mg/kg	0.001	JIP	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Chlordane	NS	NS	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Polychlorinated Biphenyls																									
Aroclor 1016	3.2	1	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Aroclor 1221	3.2	1	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Aroclor 1232	3.2	1	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Aroclor 1242	3.2	1	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Aroclor 1248	3.2	1	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Aroclor 1254	3.2	1	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Aroclor 1260	3.2	1	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Aroclor 1262	3.2	1	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Aroclor 1268	3.2	1	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
PCBs, Total	3.2	1	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	

Notes:

Bold and shaded yellow value indicates concentration exceeds NY-PGW SCOs

Bold and shaded orange value indicates concentration exceeds NY-RESC SCOs

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

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

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

J = Estimated value

ND = Not detected

NS = No standard

Table 1d. Pesticides, Herbicides, and Polychlorinated Biphenyls in Soil
2921 Westchester Avenue
BCP Site No. C203140

SAMPLE ID:	NY-PGW	NY-RESC	Units	SB-6 (1-2)		SB-6 (2-3)		SB-7 (1-2)		SB-7 (2-3)		SB-8 (1-2)		SB-8 (2-3)		SB-9 (0-1)		SB-9 (2-3)		SB-11 (0-2)		SB-11 (2-3)		SB-12 (0-2)	
LAB ID:				L2107354-16		L2107354-17		L2107354-19		L2107354-20		L2107354-22		L2107354-23		L2107354-24		L2107354-26		L2107354-27		L2107354-28		L2107354-29	
COLLECTION DATE:				2/15/2021		2/15/2021		2/15/2021		2/15/2021		2/15/2021		2/15/2021		2/15/2021		2/15/2021		2/15/2021		2/15/2021		2/15/2021	
					Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual
Chlorinated Herbicides																									
2,4-D	NS	NS	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
2,4,5-T	NS	NS	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
2,4,5-TP (Silvex)	3.8	500	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Organochlorine Pesticides																									
Delta-BHC	0.25	500	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Lindane	0.1	9.2	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Alpha-BHC	0.02	3.4	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Beta-BHC	0.09	3	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Heptachlor	0.38	15	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Aldrin	0.19	0.68	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Heptachlor epoxide	NS	NS	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Endrin	0.06	89	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Endrin aldehyde	NS	NS	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Endrin ketone	NS	NS	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Dieldrin	0.1	1.4	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
4,4'-DDE	17	62	mg/kg	0.00507	P	ND		0.00324		ND		0.000525	J	ND		0.00152	J	ND		0.000622	J	ND		0.000548	JP
4,4'-DDD	14	92	mg/kg	ND		ND		ND		ND		0.00076	J	ND		ND		ND		0.000951	J	ND		ND	
4,4'-DDT	136	47	mg/kg	0.0018	J	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Endosulfan I	102	200	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Endosulfan II	102	200	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Endosulfan sulfate	1000	200	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Methoxychlor	NS	NS	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Toxaphene	NS	NS	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
cis-Chlordane	2.9	24	mg/kg	ND		ND		0.0012	J	ND		0.00671		ND		ND		ND		ND		ND		ND	
trans-Chlordane	NS	NS	mg/kg	0.000892	J	ND		0.0011	J	ND		0.00749		ND		ND		ND		ND		ND		ND	
Chlordane	NS	NS	mg/kg	ND		ND		ND		ND		0.0593		ND		ND		ND		ND		ND		ND	
Polychlorinated Biphenyls																									
Aroclor 1016	3.2	1	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Aroclor 1221	3.2	1	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Aroclor 1232	3.2	1	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Aroclor 1242	3.2	1	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Aroclor 1248	3.2	1	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Aroclor 1254	3.2	1	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND		ND		0.0136	J	ND	
Aroclor 1260	3.2	1	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Aroclor 1262	3.2	1	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Aroclor 1268	3.2	1	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
PCBs, Total	3.2	1	mg/kg	ND		ND		ND		ND		ND		ND		ND		ND		ND		0.0136	J	ND	

Notes:

Bold and shaded yellow value indicates concentration exceeds NY-PGW SCOs

Bold and shaded orange value indicates concentration exceeds NY-RESC SCOs

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

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

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

J = Estimated value

ND = Not detected

NS = No standard

Table 1d. Pesticides, Herbicides, and Polychlorinated Biphenyls in Soil
2921 Westchester Avenue
BCP Site No. C203140

SAMPLE ID:	NY-PGW	NY-RESC	Units	SB-12 (2-3)		SB-12 (0-2)_DUP		SB-13 (0-2)		SB-13 (2-3)	
LAB ID:				L2107354-31		L2107354-30		L2107354-32		L2107354-33	
COLLECTION DATE:				2/15/2021		2/15/2021		2/15/2021		2/15/2021	
					Qual		Qual		Qual		Qual
Chlorinated Herbicides											
2,4-D	NS	NS	mg/kg	ND		ND		ND		ND	
2,4,5-T	NS	NS	mg/kg	ND		ND		ND		ND	
2,4,5-TP (Silvex)	3.8	500	mg/kg	ND		ND		ND		ND	
Organochlorine Pesticides											
Delta-BHC	0.25	500	mg/kg	ND		ND		ND		ND	
Lindane	0.1	9.2	mg/kg	ND		ND		ND		ND	
Alpha-BHC	0.02	3.4	mg/kg	ND		ND		ND		ND	
Beta-BHC	0.09	3	mg/kg	ND		ND		ND		ND	
Heptachlor	0.38	15	mg/kg	ND		ND		ND		ND	
Aldrin	0.19	0.68	mg/kg	ND		ND		ND		ND	
Heptachlor epoxide	NS	NS	mg/kg	ND		ND		ND		ND	
Endrin	0.06	89	mg/kg	ND		ND		ND		ND	
Endrin aldehyde	NS	NS	mg/kg	ND		ND		ND		ND	
Endrin ketone	NS	NS	mg/kg	ND		ND		ND		ND	
Dieldrin	0.1	1.4	mg/kg	ND		ND		ND		ND	
4,4'-DDE	17	62	mg/kg	ND		0.00107	JP	ND		ND	
4,4'-DDD	14	92	mg/kg	ND		ND		ND		ND	
4,4'-DDT	136	47	mg/kg	ND		ND		ND		ND	
Endosulfan I	102	200	mg/kg	ND		ND		ND		ND	
Endosulfan II	102	200	mg/kg	ND		ND		ND		ND	
Endosulfan sulfate	1000	200	mg/kg	ND		ND		ND		ND	
Methoxychlor	NS	NS	mg/kg	ND		ND		ND		ND	
Toxaphene	NS	NS	mg/kg	ND		ND		ND		ND	
cis-Chlordane	2.9	24	mg/kg	ND		ND		ND		ND	
trans-Chlordane	NS	NS	mg/kg	ND		ND		ND		ND	
Chlordane	NS	NS	mg/kg	ND		ND		ND		ND	
Polychlorinated Biphenyls											
Aroclor 1016	3.2	1	mg/kg	ND		ND		ND		ND	
Aroclor 1221	3.2	1	mg/kg	ND		ND		ND		ND	
Aroclor 1232	3.2	1	mg/kg	ND		ND		ND		ND	
Aroclor 1242	3.2	1	mg/kg	ND		ND		ND		ND	
Aroclor 1248	3.2	1	mg/kg	ND		ND		ND		ND	
Aroclor 1254	3.2	1	mg/kg	ND		ND		ND		ND	
Aroclor 1260	3.2	1	mg/kg	ND		ND		ND		ND	
Aroclor 1262	3.2	1	mg/kg	ND		ND		ND		ND	
Aroclor 1268	3.2	1	mg/kg	ND		ND		ND		ND	
PCBs, Total	3.2	1	mg/kg	ND		ND		ND		ND	

Notes:

Bold and shaded yellow value indicates concentration exceeds NY-PGW SCOs

Bold and shaded orange value indicates concentration exceeds NY-RESC SCOs

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

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

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

J = Estimated value

ND = Not detected

NS = No standard

Table 1e. Emerging Contaminants in Soil
2921 Westchester Avenue
BCP Site No. C203140

SAMPLE ID:	NY-PGW	NY-RESC	Units	SB-1 (0-1)		SB-1 (2-3)		SB-2 (0-2)		SB-2 (2-3)		SB-3 (0-2)		SB-3 (2-3)	
LAB ID:				L2107354-01		L2107354-03		L2107354-04		L2107354-05		L2107354-06		L2107354-08	
COLLECTION DATE:				2/15/2021		2/15/2021		2/15/2021		2/15/2021		2/15/2021		2/15/2021	
					Qual		Qual		Qual		Qual		Qual		Qual
1,4-Dioxane															
1,4-Dioxane	0.1	130	mg/kg	ND		ND		ND		ND		ND		ND	
Perfluorinated Alkyl Acids															
Perfluorobutanoic Acid (PFBA)	NS	NS	ng/g	ND		ND		ND		ND		ND		ND	
Perfluoropentanoic Acid (PFPeA)	NS	NS	ng/g	ND		ND		ND		ND		ND		ND	
Perfluorobutanesulfonic Acid (PFBS)	NS	NS	ng/g	ND		ND		ND		ND		ND		ND	
Perfluorohexanoic Acid (PFHxA)	NS	NS	ng/g	ND		ND		ND		ND		ND		ND	
Perfluoroheptanoic Acid (PFHpA)	NS	NS	ng/g	ND		ND		ND		ND		0.0051	J	ND	
Perfluorohexanesulfonic Acid (PFHxS)	NS	NS	ng/g	ND		ND		ND		ND		ND		ND	
Perfluorooctanoic Acid (PFOA)	1.1	500	ng/g	ND		ND		0.16	J	ND		0.39		ND	
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	NS	NS	ng/g	ND		ND		ND		ND		ND		0.41	JF
Perfluoroheptanesulfonic Acid (PFHpS)	NS	NS	ng/g	ND		ND		ND		ND		ND		ND	
Perfluorononanoic Acid (PFNA)	NS	NS	ng/g	ND		ND		0.14	J	ND		ND		ND	
Perfluorooctanesulfonic Acid (PFOS)	3.7	440	ng/g	ND		ND		0.42		ND		0.19	J	ND	
Perfluorodecanoic Acid (PFDA)	NS	NS	ng/g	ND		ND		0.0093	J	ND		ND		ND	
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	NS	NS	ng/g	ND		ND		ND		ND		ND		ND	
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	NS	NS	ng/g	ND		ND		ND		ND		ND		ND	
Perfluoroundecanoic Acid (PFUnA)	NS	NS	ng/g	ND		ND		ND		ND		ND		ND	
Perfluorodecanesulfonic Acid (PFDS)	NS	NS	ng/g	ND		ND		ND		ND		ND		ND	
Perfluorooctanesulfonamide (FOSA)	NS	NS	ng/g	ND		ND		ND		ND		ND		ND	
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NS	NS	ng/g	ND		ND		ND		ND		ND		ND	
Perfluorododecanoic Acid (PFDoA)	NS	NS	ng/g	ND		ND		ND		ND		ND		ND	
Perfluorotridecanoic Acid (PFTrDA)	NS	NS	ng/g	ND		ND		ND		ND		ND		ND	
Perfluorotetradecanoic Acid (PFTA)	NS	NS	ng/g	ND		ND		ND		ND		ND		ND	
PFOA/PFOS, Total	NS	NS	ng/g	ND		ND		0.57	J	ND		0.58	J	ND	

Notes:

Bold and shaded yellow value indicates concentration exceeds NY-PGW SCOs

Bold and shaded orange value indicates concentration exceeds NY-RESC SCOs

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

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

The NY-PGW and NY-RESC SCOs for all PFAS analytes are proposed SCOs per NYSDEC's Sampling, Analysis, and Assessment of PFAS Under NYSDEC's Part 375 Remedial Programs, updated January 2021

J = Estimated value

F = The ratio of quantifier ion response to qualifier ion response falls outside the laboratory criteria

ND = Not detected

NS = No standard

Table 1e. Emerging Contaminants in Soil
2921 Westchester Avenue
BCP Site No. C203140

SAMPLE ID:	NY-PGW	NY-RESC	Units	SB-3 (0-2)_DUP	SB-4 (1-2)	SB-4 (2-3)	SB-5 (1-2)	SB-5 (2-3)	SB-6 (1-2)
LAB ID:				L2107354-07	L2107354-10	L2107354-11	L2107354-13	L2107354-14	L2107354-16
COLLECTION DATE:				2/15/2021	2/15/2021	2/15/2021	2/15/2021	2/15/2021	2/15/2021
				Qual	Qual	Qual	Qual	Qual	Qual
1,4-Dioxane									
1,4-Dioxane	0.1	130	mg/kg	ND	ND	ND	ND	ND	ND
Perfluorinated Alkyl Acids									
Perfluorobutanoic Acid (PFBA)	NS	NS	ng/g	ND	ND	ND	ND	ND	ND
Perfluoropentanoic Acid (PFPeA)	NS	NS	ng/g	ND	ND	ND	ND	ND	ND
Perfluorobutanesulfonic Acid (PFBS)	NS	NS	ng/g	ND	ND	ND	ND	ND	ND
Perfluorohexanoic Acid (PFHxA)	NS	NS	ng/g	ND	ND	ND	ND	ND	ND
Perfluoroheptanoic Acid (PFHpA)	NS	NS	ng/g	ND	ND	ND	ND	ND	ND
Perfluorohexanesulfonic Acid (PFHxS)	NS	NS	ng/g	ND	ND	ND	ND	ND	ND
Perfluorooctanoic Acid (PFOA)	1.1	500	ng/g	ND	ND	ND	ND	ND	ND
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	NS	NS	ng/g	ND	ND	ND	ND	ND	ND
Perfluoroheptanesulfonic Acid (PFHpS)	NS	NS	ng/g	ND	ND	ND	ND	ND	ND
Perfluorononanoic Acid (PFNA)	NS	NS	ng/g	ND	ND	ND	ND	ND	ND
Perfluorooctanesulfonic Acid (PFOS)	3.7	440	ng/g	ND	ND	ND	ND	ND	ND
Perfluorodecanoic Acid (PFDA)	NS	NS	ng/g	ND	ND	ND	ND	ND	ND
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	NS	NS	ng/g	ND	ND	ND	ND	ND	ND
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	NS	NS	ng/g	ND	ND	ND	ND	ND	ND
Perfluoroundecanoic Acid (PFUnA)	NS	NS	ng/g	ND	ND	ND	ND	ND	ND
Perfluorodecanesulfonic Acid (PFDS)	NS	NS	ng/g	ND	ND	ND	ND	ND	ND
Perfluorooctanesulfonamide (FOSA)	NS	NS	ng/g	ND	ND	ND	ND	ND	ND
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NS	NS	ng/g	ND	ND	ND	ND	ND	ND
Perfluorododecanoic Acid (PFDoA)	NS	NS	ng/g	ND	ND	ND	ND	ND	ND
Perfluorotridecanoic Acid (PFTrDA)	NS	NS	ng/g	ND	ND	ND	ND	ND	ND
Perfluorotetradecanoic Acid (PFTA)	NS	NS	ng/g	ND	ND	ND	ND	ND	ND
PFOA/PFOS, Total	NS	NS	ng/g	ND	ND	ND	ND	ND	ND

Notes:

Bold and shaded yellow value indicates concentration exceeds NY-PGW SCOs

Bold and shaded orange value indicates concentration exceeds NY-RESC SCOs

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

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

The NY-PGW and NY-RESC SCOs for all PFAS analytes are proposed SCOs per NYSDEC's Sampling, Analysis, and Assessment of PFAS Under NYSDEC's Part 375 Remedial Programs, updated January 2021

J = Estimated value

F = The ratio of quantifier ion response to qualifier ion response falls outside the laboratory criteria

ND = Not detected

NS = No standard

Table 1e. Emerging Contaminants in Soil
2921 Westchester Avenue
BCP Site No. C203140

SAMPLE ID:	NY-PGW	NY-RESC	Units	SB-6 (2-3)		SB-7 (1-2)		SB-7 (2-3)		SB-8 (1-2)		SB-8 (2-3)		SB-9 (0-1)	
LAB ID:				L2107354-17		L2107354-19		L2107354-20		L2107354-22		L2107354-23		L2107354-24	
COLLECTION DATE:				2/15/2021		2/15/2021		2/15/2021		2/15/2021		2/15/2021		2/15/2021	
					Qual		Qual		Qual		Qual		Qual		Qual
1,4-Dioxane															
1,4-Dioxane	0.1	130	mg/kg	ND		ND		ND		ND		ND		ND	
Perfluorinated Alkyl Acids															
Perfluorobutanoic Acid (PFBA)	NS	NS	ng/g	ND		ND		ND		ND		ND		ND	
Perfluoropentanoic Acid (PFPeA)	NS	NS	ng/g	ND		ND		ND		ND		ND		ND	
Perfluorobutanesulfonic Acid (PFBS)	NS	NS	ng/g	ND		ND		ND		ND		ND		ND	
Perfluorohexanoic Acid (PFHxA)	NS	NS	ng/g	ND		ND		ND		ND		ND		ND	
Perfluoroheptanoic Acid (PFHpA)	NS	NS	ng/g	ND		ND		ND		ND		ND		ND	
Perfluorohexanesulfonic Acid (PFHxS)	NS	NS	ng/g	ND		ND		ND		ND		ND		ND	
Perfluorooctanoic Acid (PFOA)	1.1	500	ng/g	ND		ND		ND		ND		ND		0.104	J
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	NS	NS	ng/g	ND		ND		ND		ND		ND		ND	
Perfluoroheptanesulfonic Acid (PFHpS)	NS	NS	ng/g	ND		ND		ND		ND		ND		ND	
Perfluorononanoic Acid (PFNA)	NS	NS	ng/g	ND		ND		ND		ND		ND		ND	
Perfluorooctanesulfonic Acid (PFOS)	3.7	440	ng/g	ND		ND		ND		ND		ND		ND	
Perfluorodecanoic Acid (PFDA)	NS	NS	ng/g	ND		ND		ND		ND		ND		ND	
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	NS	NS	ng/g	ND		ND		ND		ND		ND		ND	
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	NS	NS	ng/g	ND		ND		ND		ND		ND		ND	
Perfluoroundecanoic Acid (PFUnA)	NS	NS	ng/g	ND		ND		ND		ND		ND		ND	
Perfluorodecanesulfonic Acid (PFDS)	NS	NS	ng/g	ND		ND		ND		ND		ND		ND	
Perfluorooctanesulfonamide (FOSA)	NS	NS	ng/g	ND		ND		ND		ND		ND		ND	
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NS	NS	ng/g	ND		ND		ND		ND		ND		ND	
Perfluorododecanoic Acid (PFDoA)	NS	NS	ng/g	ND		ND		ND		ND		ND		ND	
Perfluorotridecanoic Acid (PFTrDA)	NS	NS	ng/g	ND		ND		ND		ND		ND		ND	
Perfluorotetradecanoic Acid (PFTA)	NS	NS	ng/g	ND		ND		ND		ND		ND		ND	
PFOA/PFOS, Total	NS	NS	ng/g	ND		ND		ND		ND		ND		0.104	J

Notes:

Bold and shaded yellow value indicates concentration exceeds NY-PGW SCOs

Bold and shaded orange value indicates concentration exceeds NY-RESC SCOs

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

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

The NY-PGW and NY-RESC SCOs for all PFAS analytes are proposed SCOs per NYSDEC's Sampling, Analysis, and Assessment of PFAS Under NYSDEC's Part 375 Remedial Programs, updated January 2021

J = Estimated value

F = The ratio of quantifier ion response to qualifier ion response falls outside the laboratory criteria

ND = Not detected

NS = No standard

Table 1e. Emerging Contaminants in Soil
2921 Westchester Avenue
BCP Site No. C203140

SAMPLE ID:	NY-PGW	NY-RESC	Units	SB-9 (2-3)		SB-11 (0-2)		SB-11 (2-3)		SB-12 (0-2)		SB-12 (2-3)		SB-12 (0-2)_DUP	
LAB ID:				L2107354-26		L2107354-27		L2107354-28		L2107354-29		L2107354-31		L2107354-30	
COLLECTION DATE:				2/15/2021		2/15/2021		2/15/2021		2/15/2021		2/15/2021		2/15/2021	
					Qual		Qual		Qual		Qual		Qual		Qual
1,4-Dioxane															
1,4-Dioxane	0.1	130	mg/kg	ND		ND		ND		ND		ND		ND	
Perfluorinated Alkyl Acids															
Perfluorobutanoic Acid (PFBA)	NS	NS	ng/g	ND		ND		ND		0.0031	J	ND		ND	
Perfluoropentanoic Acid (PFPeA)	NS	NS	ng/g	ND		ND		ND		0.0061	J	ND		ND	
Perfluorobutanesulfonic Acid (PFBS)	NS	NS	ng/g	ND		ND		ND		ND		ND		ND	
Perfluorohexanoic Acid (PFHxA)	NS	NS	ng/g	ND		ND		ND		ND		ND		ND	
Perfluoroheptanoic Acid (PFHpA)	NS	NS	ng/g	ND		ND		ND		0.0068	J	ND		ND	
Perfluorohexanesulfonic Acid (PFHxS)	NS	NS	ng/g	ND		ND		ND		ND		ND		ND	
Perfluorooctanoic Acid (PFOA)	1.1	500	ng/g	ND		0.0054	J	ND		0.48		ND		0.088	J
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	NS	NS	ng/g	ND		ND		ND		ND		ND		ND	
Perfluoroheptanesulfonic Acid (PFHpS)	NS	NS	ng/g	ND		ND		ND		ND		ND		ND	
Perfluorononanoic Acid (PFNA)	NS	NS	ng/g	ND		ND		ND		ND		ND		ND	
Perfluorooctanesulfonic Acid (PFOS)	3.7	440	ng/g	ND		0.44		ND		0.6		ND		ND	
Perfluorodecanoic Acid (PFDA)	NS	NS	ng/g	ND		ND		ND		ND		ND		ND	
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	NS	NS	ng/g	ND		ND		ND		ND		ND		ND	
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	NS	NS	ng/g	ND		ND		ND		ND		ND		ND	
Perfluoroundecanoic Acid (PFUnA)	NS	NS	ng/g	ND		ND		ND		ND		ND		ND	
Perfluorodecanesulfonic Acid (PFDS)	NS	NS	ng/g	ND		ND		ND		ND		ND		ND	
Perfluorooctanesulfonamide (FOSA)	NS	NS	ng/g	ND		ND		ND		ND		ND		ND	
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NS	NS	ng/g	ND		ND		ND		ND		ND		ND	
Perfluorododecanoic Acid (PFDoA)	NS	NS	ng/g	ND		ND		ND		0.0082	JF	ND		ND	
Perfluorotridecanoic Acid (PFTrDA)	NS	NS	ng/g	ND		ND		ND		ND		ND		ND	
Perfluorotetradecanoic Acid (PFTA)	NS	NS	ng/g	ND		ND		ND		ND		ND		ND	
PFOA/PFOS, Total	NS	NS	ng/g	ND		0.49	J	ND		1.08		ND		0.088	J

Notes:

Bold and shaded yellow value indicates concentration exceeds NY-PGW SCOs

Bold and shaded orange value indicates concentration exceeds NY-RESC SCOs

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

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

The NY-PGW and NY-RESC SCOs for all PFAS analytes are proposed SCOs per NYSDEC's Sampling, Analysis, and Assessment of PFAS Under NYSDEC's Part 375 Remedial Programs, updated January 2021

J = Estimated value

F = The ratio of quantifier ion response to qualifier ion response falls outside the laboratory criteria

ND = Not detected

NS = No standard

Table 1e. Emerging Contaminants in Soil
2921 Westchester Avenue
BCP Site No. C203140

SAMPLE ID:	NY-PGW	NY-RESC	Units	SB-13 (0-2)	SB-13 (2-3)
LAB ID:				L2107354-32	L2107354-33
COLLECTION DATE:				2/15/2021	2/15/2021
				Qual	Qual
1,4-Dioxane					
1,4-Dioxane	0.1	130	mg/kg	ND	ND
Perfluorinated Alkyl Acids					
Perfluorobutanoic Acid (PFBA)	NS	NS	ng/g	ND	ND
Perfluoropentanoic Acid (PFPeA)	NS	NS	ng/g	ND	ND
Perfluorobutanesulfonic Acid (PFBS)	NS	NS	ng/g	ND	ND
Perfluorohexanoic Acid (PFHxA)	NS	NS	ng/g	ND	ND
Perfluoroheptanoic Acid (PFHpA)	NS	NS	ng/g	ND	ND
Perfluorohexanesulfonic Acid (PFHxS)	NS	NS	ng/g	ND	ND
Perfluorooctanoic Acid (PFOA)	1.1	500	ng/g	ND	ND
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	NS	NS	ng/g	ND	ND
Perfluoroheptanesulfonic Acid (PFHpS)	NS	NS	ng/g	ND	ND
Perfluorononanoic Acid (PFNA)	NS	NS	ng/g	ND	ND
Perfluorooctanesulfonic Acid (PFOS)	3.7	440	ng/g	ND	ND
Perfluorodecanoic Acid (PFDA)	NS	NS	ng/g	ND	ND
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	NS	NS	ng/g	ND	ND
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	NS	NS	ng/g	ND	ND
Perfluoroundecanoic Acid (PFUnA)	NS	NS	ng/g	ND	ND
Perfluorodecanesulfonic Acid (PFDS)	NS	NS	ng/g	ND	ND
Perfluorooctanesulfonamide (FOSA)	NS	NS	ng/g	ND	ND
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NS	NS	ng/g	ND	ND
Perfluorododecanoic Acid (PFDoA)	NS	NS	ng/g	ND	ND
Perfluorotridecanoic Acid (PFTrDA)	NS	NS	ng/g	ND	ND
Perfluorotetradecanoic Acid (PFTA)	NS	NS	ng/g	ND	ND
PFOA/PFOS, Total	NS	NS	ng/g	ND	ND

Notes:

Bold and shaded yellow value indicates concentration exceeds NY-PGW SCOs

Bold and shaded orange value indicates concentration exceeds NY-RESC SCOs

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

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

The NY-PGW and NY-RESC SCOs for all PFAS analytes are proposed SCOs per NYSDEC's Sampling, Analysis, and Assessment of PFAS Under NYSDEC's Part 375 Remedial Programs, updated January 2021

J = Estimated value

F = The ratio of quantifier ion response to qualifier ion response falls outside the laboratory criteria

ND = Not detected

NS = No standard

Table 2a. Volatile Organic Compounds in Groundwater
2921 Westchester Avenue
BCP Site No. C203140

CLIENT SAMPLE ID	NY-AWQS	Units	MW-1		MW-2	MW-5
SAMPLING DATE			2/23/2021		2/23/2021	2/23/2021
LAB SAMPLE ID			L2108841-01		L2108841-02	L2108841-03
				Qual	Qual	Qual
Volatile Organic Compounds						
1,1,1,2-Tetrachloroethane	5	ug/l	ND		ND	ND
1,1,1-Trichloroethane	5	ug/l	ND		ND	ND
1,1,2,2-Tetrachloroethane	5	ug/l	ND		ND	ND
1,1,2-Trichloroethane	1	ug/l	ND		ND	ND
1,1-Dichloroethane	5	ug/l	ND		ND	ND
1,1-Dichloroethene	5	ug/l	0.17	J	ND	ND
1,1-Dichloropropene	5	ug/l	ND		ND	ND
1,2,3-Trichlorobenzene	5	ug/l	ND		ND	ND
1,2,3-Trichloropropane	0.04	ug/l	ND		ND	ND
1,2,4,5-Tetramethylbenzene	5	ug/l	ND		ND	ND
1,2,4-Trichlorobenzene	5	ug/l	ND		ND	ND
1,2,4-Trimethylbenzene	5	ug/l	ND		ND	ND
1,2-Dibromo-3-chloropropane	0.04	ug/l	ND		ND	ND
1,2-Dibromoethane	0.0006	ug/l	ND		ND	ND
1,2-Dichlorobenzene	3	ug/l	ND		ND	ND
1,2-Dichloroethane	0.6	ug/l	ND		ND	ND
1,2-Dichloroethene, Total	NS	ug/l	ND		ND	15000
1,2-Dichloropropane	1	ug/l	ND		ND	ND
1,3,5-Trimethylbenzene	5	ug/l	ND		ND	ND
1,3-Dichlorobenzene	3	ug/l	ND		ND	ND
1,3-Dichloropropane	5	ug/l	ND		ND	ND
1,3-Dichloropropene, Total	NS	ug/l	ND		ND	ND
1,4-Dichlorobenzene	3	ug/l	ND		ND	ND
1,4-Dioxane	NS	ug/l	ND		ND	ND
2,2-Dichloropropane	5	ug/l	ND		ND	ND
2-Butanone	50	ug/l	ND		ND	ND
2-Hexanone	50	ug/l	ND		ND	ND
4-Methyl-2-pentanone	NS	ug/l	ND		ND	ND
Acetone	50	ug/l	ND		14	ND
Acrylonitrile	5	ug/l	ND		ND	ND
Benzene	1	ug/l	ND		ND	ND
Bromobenzene	5	ug/l	ND		ND	ND
Bromochloromethane	5	ug/l	ND		ND	ND
Bromodichloromethane	50	ug/l	ND		ND	ND
Bromoform	50	ug/l	ND		ND	ND
Bromomethane	5	ug/l	ND		ND	ND
Carbon disulfide	60	ug/l	ND		ND	ND
Carbon tetrachloride	5	ug/l	ND		ND	ND

Table 2a. Volatile Organic Compounds in Groundwater
2921 Westchester Avenue
BCP Site No. C203140

CLIENT SAMPLE ID	NY-AWQS	Units	MW-1		MW-2	MW-5
SAMPLING DATE			2/23/2021		2/23/2021	2/23/2021
LAB SAMPLE ID			L2108841-01		L2108841-02	L2108841-03
				Qual	Qual	Qual
Volatile Organic Compounds						
Chlorobenzene	5	ug/l	ND		ND	ND
Chloroethane	5	ug/l	ND		ND	ND
Chloroform	7	ug/l	ND		ND	ND
Chloromethane	NS	ug/l	ND		ND	ND
cis-1,2-Dichloroethene	5	ug/l	ND		ND	**15000**
cis-1,3-Dichloropropene	0.4	ug/l	ND		ND	ND
Cyclohexane	NS	ug/l	--		--	--
Dibromochloromethane	50	ug/l	ND		ND	ND
Dibromomethane	5	ug/l	ND		ND	ND
Dichlorodifluoromethane	5	ug/l	ND		ND	ND
Ethyl ether	NS	ug/l	ND		ND	ND
Ethylbenzene	5	ug/l	ND		ND	ND
Freon-113	5	ug/l	--		--	--
Hexachlorobutadiene	0.5	ug/l	ND		ND	ND
Isopropylbenzene	5	ug/l	ND		ND	ND
Methyl acetate	NS	ug/l	--		--	--
Methyl cyclohexane	NS	ug/l	--		--	--
Methyl tert butyl ether	10	ug/l	ND		ND	ND
Methylene chloride	5	ug/l	ND		ND	ND
n-Butylbenzene	5	ug/l	ND		ND	ND
n-Propylbenzene	5	ug/l	ND		ND	ND
Naphthalene	10	ug/l	ND		ND	ND
o-Chlorotoluene	5	ug/l	ND		ND	ND
o-Xylene	5	ug/l	ND		ND	ND
p-Chlorotoluene	5	ug/l	ND		ND	ND
p-Diethylbenzene	NS	ug/l	ND		ND	ND
p-Ethyltoluene	NS	ug/l	ND		ND	ND
p-Isopropyltoluene	5	ug/l	ND		ND	ND
p/m-Xylene	5	ug/l	ND		ND	ND
sec-Butylbenzene	5	ug/l	ND		ND	ND
Styrene	5	ug/l	ND		ND	ND
tert-Butylbenzene	5	ug/l	ND		ND	ND
Tetrachloroethene	5	ug/l	3.2		ND	**39000**
Toluene	5	ug/l	ND		ND	ND
trans-1,2-Dichloroethene	5	ug/l	ND		ND	ND
trans-1,3-Dichloropropene	0.4	ug/l	ND		ND	ND
trans-1,4-Dichloro-2-butene	5	ug/l	ND		ND	ND
Trichloroethene	5	ug/l	0.21	J	ND	**2900**

Table 2a. Volatile Organic Compounds in Groundwater
2921 Westchester Avenue
BCP Site No. C203140

CLIENT SAMPLE ID	NY-AWQS	Units	MW-1	MW-2	MW-5
SAMPLING DATE			2/23/2021	2/23/2021	2/23/2021
LAB SAMPLE ID			L2108841-01	L2108841-02	L2108841-03
			Qual	Qual	Qual
Volatile Organic Compounds					
Trichlorofluoromethane	5	ug/l	ND	ND	ND
Vinyl acetate	NS	ug/l	ND	ND	ND
Vinyl chloride	2	ug/l	ND	ND	**1900**
Xylenes, Total	NS	ug/l	ND	ND	ND

Notes:

Bold and shaded yellow value indicates concentration exceeds NY-AWQS

NY-AWQS = NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Class GA Ambient Water Quality Standards

J = Estimated value

ND = Not detected

NS = No standard

-- = Not analyzed

Table 2a. Volatile Organic Compounds in Groundwater
2921 Westchester Avenue
BCP Site No. C203140

CLIENT SAMPLE ID	NY-AWQS	Units	MW-5_VOC	BW-1	BW-1_DUP
SAMPLING DATE			3/4/2021	2/23/2021	2/23/2021
LAB SAMPLE ID			L2110911-03	L2108841-04	L2108841-05
			Qual	Qual	Qual
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	5	ug/l	ND	ND	ND
1,1,1-Trichloroethane	5	ug/l	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	ug/l	ND	ND	ND
1,1,2-Trichloroethane	1	ug/l	ND	ND	ND
1,1-Dichloroethane	5	ug/l	ND	ND	ND
1,1-Dichloroethene	5	ug/l	ND	ND	ND
1,1-Dichloropropene	5	ug/l	ND	ND	ND
1,2,3-Trichlorobenzene	5	ug/l	ND	ND	ND
1,2,3-Trichloropropane	0.04	ug/l	ND	ND	ND
1,2,4,5-Tetramethylbenzene	5	ug/l	ND	ND	ND
1,2,4-Trichlorobenzene	5	ug/l	ND	ND	ND
1,2,4-Trimethylbenzene	5	ug/l	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.04	ug/l	ND	ND	ND
1,2-Dibromoethane	0.0006	ug/l	ND	ND	ND
1,2-Dichlorobenzene	3	ug/l	ND	ND	ND
1,2-Dichloroethane	0.6	ug/l	ND	ND	ND
1,2-Dichloroethene, Total	NS	ug/l	9900	91	110
1,2-Dichloropropane	1	ug/l	ND	ND	ND
1,3,5-Trimethylbenzene	5	ug/l	ND	ND	ND
1,3-Dichlorobenzene	3	ug/l	ND	ND	ND
1,3-Dichloropropane	5	ug/l	ND	ND	ND
1,3-Dichloropropene, Total	NS	ug/l	ND	ND	ND
1,4-Dichlorobenzene	3	ug/l	ND	ND	ND
1,4-Dioxane	NS	ug/l	ND	ND	ND
2,2-Dichloropropane	5	ug/l	ND	ND	ND
2-Butanone	50	ug/l	ND	ND	ND
2-Hexanone	50	ug/l	ND	ND	ND
4-Methyl-2-pentanone	NS	ug/l	ND	ND	ND
Acetone	50	ug/l	ND	6.6	6.9
Acrylonitrile	5	ug/l	ND	ND	ND
Benzene	1	ug/l	ND	ND	ND
Bromobenzene	5	ug/l	ND	ND	ND
Bromochloromethane	5	ug/l	ND	ND	ND
Bromodichloromethane	50	ug/l	ND	0.78	0.75
Bromoform	50	ug/l	ND	ND	ND
Bromomethane	5	ug/l	ND	ND	ND
Carbon disulfide	60	ug/l	ND	ND	ND
Carbon tetrachloride	5	ug/l	ND	ND	ND

Table 2a. Volatile Organic Compounds in Groundwater
2921 Westchester Avenue
BCP Site No. C203140

CLIENT SAMPLE ID	NY-AWQS	Units	MW-5_VOC	BW-1	BW-1_DUP
SAMPLING DATE			3/4/2021	2/23/2021	2/23/2021
LAB SAMPLE ID			L2110911-03	L2108841-04	L2108841-05
			Qual	Qual	Qual
Volatile Organic Compounds					
Chlorobenzene	5	ug/l	ND	ND	ND
Chloroethane	5	ug/l	ND	ND	ND
Chloroform	7	ug/l	ND	**24**	**22**
Chloromethane	NS	ug/l	ND	ND	ND
cis-1,2-Dichloroethene	5	ug/l	**9900**	**91**	**110**
cis-1,3-Dichloropropene	0.4	ug/l	ND	ND	ND
Cyclohexane	NS	ug/l	--	--	--
Dibromochloromethane	50	ug/l	ND	ND	ND
Dibromomethane	5	ug/l	ND	ND	ND
Dichlorodifluoromethane	5	ug/l	ND	ND	ND
Ethyl ether	NS	ug/l	ND	ND	ND
Ethylbenzene	5	ug/l	ND	ND	ND
Freon-113	5	ug/l	--	--	--
Hexachlorobutadiene	0.5	ug/l	ND	ND	ND
Isopropylbenzene	5	ug/l	ND	ND	ND
Methyl acetate	NS	ug/l	--	--	--
Methyl cyclohexane	NS	ug/l	--	--	--
Methyl tert butyl ether	10	ug/l	ND	ND	ND
Methylene chloride	5	ug/l	ND	ND	ND
n-Butylbenzene	5	ug/l	ND	ND	ND
n-Propylbenzene	5	ug/l	ND	ND	ND
Naphthalene	10	ug/l	ND	ND	ND
o-Chlorotoluene	5	ug/l	ND	ND	ND
o-Xylene	5	ug/l	ND	ND	ND
p-Chlorotoluene	5	ug/l	ND	ND	ND
p-Diethylbenzene	NS	ug/l	ND	ND	ND
p-Ethyltoluene	NS	ug/l	ND	ND	ND
p-Isopropyltoluene	5	ug/l	ND	ND	ND
p/m-Xylene	5	ug/l	ND	ND	ND
sec-Butylbenzene	5	ug/l	ND	ND	ND
Styrene	5	ug/l	ND	ND	ND
tert-Butylbenzene	5	ug/l	ND	ND	ND
Tetrachloroethene	5	ug/l	**42000**	**28**	**28**
Toluene	5	ug/l	ND	ND	ND
trans-1,2-Dichloroethene	5	ug/l	ND	ND	ND
trans-1,3-Dichloropropene	0.4	ug/l	ND	ND	ND
trans-1,4-Dichloro-2-butene	5	ug/l	ND	ND	ND
Trichloroethene	5	ug/l	**4000**	**5.7**	**5.8**

Table 2a. Volatile Organic Compounds in Groundwater
2921 Westchester Avenue
BCP Site No. C203140

CLIENT SAMPLE ID	NY-AWQS	Units	MW-5_VOC	BW-1	BW-1_DUP
SAMPLING DATE			3/4/2021	2/23/2021	2/23/2021
LAB SAMPLE ID			L2110911-03	L2108841-04	L2108841-05
			Qual	Qual	Qual
Volatile Organic Compounds					
Trichlorofluoromethane	5	ug/l	ND	ND	ND
Vinyl acetate	NS	ug/l	ND	ND	ND
Vinyl chloride	2	ug/l	**600**	**5.6**	**6.1**
Xylenes, Total	NS	ug/l	ND	ND	ND

Notes:

Bold and shaded yellow value indicates concentration exceeds NY-AWQS

NY-AWQS = NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Class GA Ambient Water Quality Standards

J = Estimated value

ND = Not detected

NS = No standard

-- = Not analyzed

Table 2a. Volatile Organic Compounds in Groundwater
2921 Westchester Avenue
BCP Site No. C203140

CLIENT SAMPLE ID	NY-AWQS	Units	MW-3	MW-4	MW-6
SAMPLING DATE			3/4/2021	3/4/2021	3/4/2021
LAB SAMPLE ID			L2110911-01	L2110911-02	L2110911-04
			Qual	Qual	Qual
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	5	ug/l	ND	ND	ND
1,1,1-Trichloroethane	5	ug/l	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	ug/l	ND	ND	ND
1,1,2-Trichloroethane	1	ug/l	ND	ND	ND
1,1-Dichloroethane	5	ug/l	ND	ND	ND
1,1-Dichloroethene	5	ug/l	ND	ND	ND
1,1-Dichloropropene	5	ug/l	ND	ND	ND
1,2,3-Trichlorobenzene	5	ug/l	ND	ND	ND
1,2,3-Trichloropropane	0.04	ug/l	ND	ND	ND
1,2,4,5-Tetramethylbenzene	5	ug/l	ND	ND	ND
1,2,4-Trichlorobenzene	5	ug/l	ND	ND	ND
1,2,4-Trimethylbenzene	5	ug/l	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.04	ug/l	ND	ND	ND
1,2-Dibromoethane	0.0006	ug/l	ND	ND	ND
1,2-Dichlorobenzene	3	ug/l	ND	ND	ND
1,2-Dichloroethane	0.6	ug/l	ND	ND	ND
1,2-Dichloroethene, Total	NS	ug/l	140	3.8	ND
1,2-Dichloropropane	1	ug/l	ND	ND	ND
1,3,5-Trimethylbenzene	5	ug/l	ND	ND	ND
1,3-Dichlorobenzene	3	ug/l	ND	ND	ND
1,3-Dichloropropane	5	ug/l	ND	ND	ND
1,3-Dichloropropene, Total	NS	ug/l	ND	ND	ND
1,4-Dichlorobenzene	3	ug/l	ND	ND	ND
1,4-Dioxane	NS	ug/l	ND	ND	ND
2,2-Dichloropropane	5	ug/l	ND	ND	ND
2-Butanone	50	ug/l	ND	ND	ND
2-Hexanone	50	ug/l	ND	ND	ND
4-Methyl-2-pentanone	NS	ug/l	ND	ND	ND
Acetone	50	ug/l	ND	ND	6.2
Acrylonitrile	5	ug/l	ND	ND	ND
Benzene	1	ug/l	ND	ND	ND
Bromobenzene	5	ug/l	ND	ND	ND
Bromochloromethane	5	ug/l	ND	ND	ND
Bromodichloromethane	50	ug/l	ND	ND	ND
Bromoform	50	ug/l	ND	ND	ND
Bromomethane	5	ug/l	ND	ND	ND
Carbon disulfide	60	ug/l	ND	ND	ND
Carbon tetrachloride	5	ug/l	ND	ND	ND

Table 2a. Volatile Organic Compounds in Groundwater
2921 Westchester Avenue
BCP Site No. C203140

CLIENT SAMPLE ID	NY-AWQS	Units	MW-3		MW-4		MW-6	
SAMPLING DATE			3/4/2021		3/4/2021		3/4/2021	
LAB SAMPLE ID			L2110911-01		L2110911-02		L2110911-04	
				Qual		Qual		Qual
Volatile Organic Compounds								
Chlorobenzene	5	ug/l	ND		ND		ND	
Chloroethane	5	ug/l	ND		ND		ND	
Chloroform	7	ug/l	2.4	J	ND		ND	
Chloromethane	NS	ug/l	ND		ND		ND	
cis-1,2-Dichloroethene	5	ug/l	**140**		3.8		ND	
cis-1,3-Dichloropropene	0.4	ug/l	ND		ND		ND	
Cyclohexane	NS	ug/l	--		--		--	
Dibromochloromethane	50	ug/l	ND		ND		ND	
Dibromomethane	5	ug/l	ND		ND		ND	
Dichlorodifluoromethane	5	ug/l	ND		ND		ND	
Ethyl ether	NS	ug/l	ND		ND		ND	
Ethylbenzene	5	ug/l	ND		ND		ND	
Freon-113	5	ug/l	--		--		--	
Hexachlorobutadiene	0.5	ug/l	ND		ND		ND	
Isopropylbenzene	5	ug/l	ND		ND		ND	
Methyl acetate	NS	ug/l	--		--		--	
Methyl cyclohexane	NS	ug/l	--		--		--	
Methyl tert butyl ether	10	ug/l	ND		ND		ND	
Methylene chloride	5	ug/l	ND		ND		ND	
n-Butylbenzene	5	ug/l	ND		ND		ND	
n-Propylbenzene	5	ug/l	ND		ND		ND	
Naphthalene	10	ug/l	ND		ND		ND	
o-Chlorotoluene	5	ug/l	ND		ND		ND	
o-Xylene	5	ug/l	ND		ND		ND	
p-Chlorotoluene	5	ug/l	ND		ND		ND	
p-Diethylbenzene	NS	ug/l	ND		ND		ND	
p-Ethyltoluene	NS	ug/l	ND		ND		ND	
p-Isopropyltoluene	5	ug/l	ND		ND		ND	
p/m-Xylene	5	ug/l	ND		ND		ND	
sec-Butylbenzene	5	ug/l	ND		ND		ND	
Styrene	5	ug/l	ND		ND		ND	
tert-Butylbenzene	5	ug/l	ND		ND		ND	
Tetrachloroethene	5	ug/l	**170**		**23**		0.49	J
Toluene	5	ug/l	ND		ND		ND	
trans-1,2-Dichloroethene	5	ug/l	ND		ND		ND	
trans-1,3-Dichloropropene	0.4	ug/l	ND		ND		ND	
trans-1,4-Dichloro-2-butene	5	ug/l	ND		ND		ND	
Trichloroethene	5	ug/l	**31**		1.9		ND	

Table 2a. Volatile Organic Compounds in Groundwater
2921 Westchester Avenue
BCP Site No. C203140

CLIENT SAMPLE ID	NY-AWQS	Units	MW-3	MW-4	MW-6
SAMPLING DATE			3/4/2021	3/4/2021	3/4/2021
LAB SAMPLE ID			L2110911-01	L2110911-02	L2110911-04
			Qual	Qual	Qual
Volatile Organic Compounds					
Trichlorofluoromethane	5	ug/l	ND	ND	ND
Vinyl acetate	NS	ug/l	ND	ND	ND
Vinyl chloride	2	ug/l	**2.9**	ND	ND
Xylenes, Total	NS	ug/l	ND	ND	ND

Notes:

Bold and shaded yellow value indicates concentration exceeds NY-AWQS

NY-AWQS = NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Class GA Ambient Water Quality Standards

J = Estimated value

ND = Not detected

NS = No standard

-- = Not analyzed

Table 2a. Volatile Organic Compounds in Groundwater
2921 Westchester Avenue
BCP Site No. C203140

CLIENT SAMPLE ID	NY-AWQS	Units	MW-7		MW-8	MW-8_DUP
SAMPLING DATE			2/24/2022		2/24/2022	2/24/2022
LAB SAMPLE ID			L2210146-01		L2210146-02	L2210146-03
				Qual	Qual	Qual
Volatile Organic Compounds						
1,1,1,2-Tetrachloroethane	5	ug/l	--		--	--
1,1,1-Trichloroethane	5	ug/l	ND		ND	ND
1,1,2,2-Tetrachloroethane	5	ug/l	ND		ND	ND
1,1,2-Trichloroethane	1	ug/l	ND		ND	ND
1,1-Dichloroethane	5	ug/l	ND		ND	ND
1,1-Dichloroethene	5	ug/l	--		--	--
1,1-Dichloropropene	5	ug/l	--		--	--
1,2,3-Trichlorobenzene	5	ug/l	--		--	--
1,2,3-Trichloropropane	0.04	ug/l	--		--	--
1,2,4,5-Tetramethylbenzene	5	ug/l	--		--	--
1,2,4-Trichlorobenzene	5	ug/l	ND		ND	ND
1,2,4-Trimethylbenzene	5	ug/l	ND		ND	ND
1,2-Dibromo-3-chloropropane	0.04	ug/l	ND		ND	ND
1,2-Dibromoethane	0.0006	ug/l	ND		ND	ND
1,2-Dichlorobenzene	3	ug/l	ND		ND	ND
1,2-Dichloroethane	0.6	ug/l	ND		ND	ND
1,2-Dichloroethene, Total	NS	ug/l	--		--	--
1,2-Dichloropropane	1	ug/l	ND		ND	ND
1,3,5-Trimethylbenzene	5	ug/l	ND		ND	ND
1,3-Dichlorobenzene	3	ug/l	ND		ND	ND
1,3-Dichloropropane	5	ug/l	--		--	--
1,3-Dichloropropene, Total	NS	ug/l	--		--	--
1,4-Dichlorobenzene	3	ug/l	ND		ND	ND
1,4-Dioxane	NS	ug/l	--		--	--
2,2-Dichloropropane	5	ug/l	--		--	--
2-Butanone	50	ug/l	ND		ND	ND
2-Hexanone	50	ug/l	ND		ND	ND
4-Methyl-2-pentanone	NS	ug/l	ND		ND	ND
Acetone	50	ug/l	2.8	J	21	22
Acrylonitrile	5	ug/l	--		--	--
Benzene	1	ug/l	ND		ND	ND
Bromobenzene	5	ug/l	--		--	--
Bromochloromethane	5	ug/l	--		--	--
Bromodichloromethane	50	ug/l	ND		ND	ND
Bromoform	50	ug/l	ND		ND	ND
Bromomethane	5	ug/l	ND		ND	ND
Carbon disulfide	60	ug/l	ND		ND	ND
Carbon tetrachloride	5	ug/l	ND		ND	ND

Table 2a. Volatile Organic Compounds in Groundwater
2921 Westchester Avenue
BCP Site No. C203140

CLIENT SAMPLE ID	NY-AWQS	Units	MW-7		MW-8	MW-8_DUP
SAMPLING DATE			2/24/2022		2/24/2022	2/24/2022
LAB SAMPLE ID			L2210146-01		L2210146-02	L2210146-03
				Qual	Qual	Qual
Volatile Organic Compounds						
Chlorobenzene	5	ug/l	ND		ND	ND
Chloroethane	5	ug/l	ND		ND	ND
Chloroform	7	ug/l	ND		ND	ND
Chloromethane	NS	ug/l	ND		ND	ND
cis-1,2-Dichloroethene	5	ug/l	**140**		**130**	**120**
cis-1,3-Dichloropropene	0.4	ug/l	ND		ND	ND
Cyclohexane	NS	ug/l	ND		ND	ND
Dibromochloromethane	50	ug/l	ND		ND	ND
Dibromomethane	5	ug/l	--		--	--
Dichlorodifluoromethane	5	ug/l	ND		ND	ND
Ethyl ether	NS	ug/l	--		--	--
Ethylbenzene	5	ug/l	0.84	J	ND	ND
Freon-113	5	ug/l	ND		ND	ND
Hexachlorobutadiene	0.5	ug/l	--		--	--
Isopropylbenzene	5	ug/l	ND		ND	ND
Methyl acetate	NS	ug/l	ND		ND	ND
Methyl cyclohexane	NS	ug/l	ND		ND	ND
Methyl tert butyl ether	10	ug/l	ND		ND	ND
Methylene chloride	5	ug/l	ND		ND	ND
n-Butylbenzene	5	ug/l	ND		ND	ND
n-Propylbenzene	5	ug/l	ND		ND	ND
Naphthalene	10	ug/l	ND		ND	ND
o-Chlorotoluene	5	ug/l	--		--	--
o-Xylene	5	ug/l	1.4	J	ND	ND
p-Chlorotoluene	5	ug/l	--		--	--
p-Diethylbenzene	NS	ug/l	--		--	--
p-Ethyltoluene	NS	ug/l	--		--	--
p-Isopropyltoluene	5	ug/l	ND		ND	ND
p/m-Xylene	5	ug/l	3.6		ND	ND
sec-Butylbenzene	5	ug/l	ND		ND	ND
Styrene	5	ug/l	ND		ND	ND
tert-Butylbenzene	5	ug/l	ND		ND	ND
Tetrachloroethene	5	ug/l	**81**		**89**	**86**
Toluene	5	ug/l	ND		ND	ND
trans-1,2-Dichloroethene	5	ug/l	ND		ND	ND
trans-1,3-Dichloropropene	0.4	ug/l	ND		ND	ND
trans-1,4-Dichloro-2-butene	5	ug/l	--		--	--
Trichloroethene	5	ug/l	**24**		**22**	**21**

Table 2a. Volatile Organic Compounds in Groundwater
2921 Westchester Avenue
BCP Site No. C203140

CLIENT SAMPLE ID	NY-AWQS	Units	MW-7		MW-8	MW-8_DUP
SAMPLING DATE			2/24/2022		2/24/2022	2/24/2022
LAB SAMPLE ID			L2210146-01		L2210146-02	L2210146-03
				Qual	Qual	Qual
Volatile Organic Compounds						
Trichlorofluoromethane	5	ug/l	ND		ND	ND
Vinyl acetate	NS	ug/l	--		--	--
Vinyl chloride	2	ug/l	ND		ND	ND
Xylenes, Total	NS	ug/l	5	J	ND	ND

Notes:

Bold and shaded yellow value indicates concentration exceeds NY-AWQS

NY-AWQS = NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Class GA Ambient Water Quality Standards

J = Estimated value

ND = Not detected

NS = No standard

-- = Not analyzed

Table 2a. Volatile Organic Compounds in Groundwater
2921 Westchester Avenue
BCP Site No. C203140

CLIENT SAMPLE ID	NY-AWQS	Units	FIELD BLANK	TRIP BLANK	TRIP BLANK
SAMPLING DATE			2/23/2021	2/23/2021	3/4/2021
LAB SAMPLE ID			L2108841-06	L2108841-07	L2110911-05
			Qual	Qual	Qual
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	5	ug/l	ND	ND	ND
1,1,1-Trichloroethane	5	ug/l	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	ug/l	ND	ND	ND
1,1,2-Trichloroethane	1	ug/l	ND	ND	ND
1,1-Dichloroethane	5	ug/l	ND	ND	ND
1,1-Dichloroethene	5	ug/l	ND	ND	ND
1,1-Dichloropropene	5	ug/l	ND	ND	ND
1,2,3-Trichlorobenzene	5	ug/l	ND	ND	ND
1,2,3-Trichloropropane	0.04	ug/l	ND	ND	ND
1,2,4,5-Tetramethylbenzene	5	ug/l	ND	ND	ND
1,2,4-Trichlorobenzene	5	ug/l	ND	ND	ND
1,2,4-Trimethylbenzene	5	ug/l	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.04	ug/l	ND	ND	ND
1,2-Dibromoethane	0.0006	ug/l	ND	ND	ND
1,2-Dichlorobenzene	3	ug/l	ND	ND	ND
1,2-Dichloroethane	0.6	ug/l	ND	ND	ND
1,2-Dichloroethene, Total	NS	ug/l	ND	ND	ND
1,2-Dichloropropane	1	ug/l	ND	ND	ND
1,3,5-Trimethylbenzene	5	ug/l	ND	ND	ND
1,3-Dichlorobenzene	3	ug/l	ND	ND	ND
1,3-Dichloropropane	5	ug/l	ND	ND	ND
1,3-Dichloropropene, Total	NS	ug/l	ND	ND	ND
1,4-Dichlorobenzene	3	ug/l	ND	ND	ND
1,4-Dioxane	NS	ug/l	ND	ND	ND
2,2-Dichloropropane	5	ug/l	ND	ND	ND
2-Butanone	50	ug/l	ND	ND	ND
2-Hexanone	50	ug/l	ND	ND	ND
4-Methyl-2-pentanone	NS	ug/l	ND	ND	ND
Acetone	50	ug/l	ND	ND	ND
Acrylonitrile	5	ug/l	ND	ND	ND
Benzene	1	ug/l	ND	ND	ND
Bromobenzene	5	ug/l	ND	ND	ND
Bromochloromethane	5	ug/l	ND	ND	ND
Bromodichloromethane	50	ug/l	ND	ND	ND
Bromoform	50	ug/l	ND	ND	ND
Bromomethane	5	ug/l	ND	ND	ND
Carbon disulfide	60	ug/l	ND	ND	ND
Carbon tetrachloride	5	ug/l	ND	ND	ND

Table 2a. Volatile Organic Compounds in Groundwater
2921 Westchester Avenue
BCP Site No. C203140

CLIENT SAMPLE ID	NY-AWQS	Units	FIELD BLANK	TRIP BLANK	TRIP BLANK
SAMPLING DATE			2/23/2021	2/23/2021	3/4/2021
LAB SAMPLE ID			L2108841-06	L2108841-07	L2110911-05
			Qual	Qual	Qual
Volatile Organic Compounds					
Chlorobenzene	5	ug/l	ND	ND	ND
Chloroethane	5	ug/l	ND	ND	ND
Chloroform	7	ug/l	ND	ND	ND
Chloromethane	NS	ug/l	ND	ND	ND
cis-1,2-Dichloroethene	5	ug/l	ND	ND	ND
cis-1,3-Dichloropropene	0.4	ug/l	ND	ND	ND
Cyclohexane	NS	ug/l	--	--	--
Dibromochloromethane	50	ug/l	ND	ND	ND
Dibromomethane	5	ug/l	ND	ND	ND
Dichlorodifluoromethane	5	ug/l	ND	ND	ND
Ethyl ether	NS	ug/l	ND	ND	ND
Ethylbenzene	5	ug/l	ND	ND	ND
Freon-113	5	ug/l	--	--	--
Hexachlorobutadiene	0.5	ug/l	ND	ND	ND
Isopropylbenzene	5	ug/l	ND	ND	ND
Methyl acetate	NS	ug/l	--	--	--
Methyl cyclohexane	NS	ug/l	--	--	--
Methyl tert butyl ether	10	ug/l	ND	ND	ND
Methylene chloride	5	ug/l	ND	ND	ND
n-Butylbenzene	5	ug/l	ND	ND	ND
n-Propylbenzene	5	ug/l	ND	ND	ND
Naphthalene	10	ug/l	ND	ND	ND
o-Chlorotoluene	5	ug/l	ND	ND	ND
o-Xylene	5	ug/l	ND	ND	ND
p-Chlorotoluene	5	ug/l	ND	ND	ND
p-Diethylbenzene	NS	ug/l	ND	ND	ND
p-Ethyltoluene	NS	ug/l	ND	ND	ND
p-Isopropyltoluene	5	ug/l	ND	ND	ND
p/m-Xylene	5	ug/l	ND	ND	ND
sec-Butylbenzene	5	ug/l	ND	ND	ND
Styrene	5	ug/l	ND	ND	ND
tert-Butylbenzene	5	ug/l	ND	ND	ND
Tetrachloroethene	5	ug/l	ND	ND	ND
Toluene	5	ug/l	ND	ND	ND
trans-1,2-Dichloroethene	5	ug/l	ND	ND	ND
trans-1,3-Dichloropropene	0.4	ug/l	ND	ND	ND
trans-1,4-Dichloro-2-butene	5	ug/l	ND	ND	ND
Trichloroethene	5	ug/l	ND	ND	ND

Table 2a. Volatile Organic Compounds in Groundwater
2921 Westchester Avenue
BCP Site No. C203140

CLIENT SAMPLE ID	NY-AWQS	Units	FIELD BLANK	TRIP BLANK	TRIP BLANK
SAMPLING DATE			2/23/2021	2/23/2021	3/4/2021
LAB SAMPLE ID			L2108841-06	L2108841-07	L2110911-05
			Qual	Qual	Qual
Volatile Organic Compounds					
Trichlorofluoromethane	5	ug/l	ND	ND	ND
Vinyl acetate	NS	ug/l	ND	ND	ND
Vinyl chloride	2	ug/l	ND	ND	ND
Xylenes, Total	NS	ug/l	ND	ND	ND

Notes:

Bold and shaded yellow value indicates concentration exceeds NY-AWQS

NY-AWQS = NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Class GA Ambient Water Quality Standards

J = Estimated value

ND = Not detected

NS = No standard

-- = Not analyzed

Table 2a. Volatile Organic Compounds in Groundwater
2921 Westchester Avenue
BCP Site No. C203140

CLIENT SAMPLE ID	NY-AWQS	Units	FIELD BLANK	TRIP BLANK
SAMPLING DATE			2/24/2022	2/24/2022
LAB SAMPLE ID			L2210146-04	L2210146-05
			Qual	Qual
Volatile Organic Compounds				
1,1,1,2-Tetrachloroethane	5	ug/l	--	--
1,1,1-Trichloroethane	5	ug/l	ND	ND
1,1,2,2-Tetrachloroethane	5	ug/l	ND	ND
1,1,2-Trichloroethane	1	ug/l	ND	ND
1,1-Dichloroethane	5	ug/l	ND	ND
1,1-Dichloroethene	5	ug/l	--	--
1,1-Dichloropropene	5	ug/l	--	--
1,2,3-Trichlorobenzene	5	ug/l	--	--
1,2,3-Trichloropropane	0.04	ug/l	--	--
1,2,4,5-Tetramethylbenzene	5	ug/l	--	--
1,2,4-Trichlorobenzene	5	ug/l	ND	ND
1,2,4-Trimethylbenzene	5	ug/l	ND	ND
1,2-Dibromo-3-chloropropane	0.04	ug/l	ND	ND
1,2-Dibromoethane	0.0006	ug/l	ND	ND
1,2-Dichlorobenzene	3	ug/l	ND	ND
1,2-Dichloroethane	0.6	ug/l	ND	ND
1,2-Dichloroethene, Total	NS	ug/l	--	--
1,2-Dichloropropane	1	ug/l	ND	ND
1,3,5-Trimethylbenzene	5	ug/l	ND	ND
1,3-Dichlorobenzene	3	ug/l	ND	ND
1,3-Dichloropropane	5	ug/l	--	--
1,3-Dichloropropene, Total	NS	ug/l	--	--
1,4-Dichlorobenzene	3	ug/l	ND	ND
1,4-Dioxane	NS	ug/l	--	--
2,2-Dichloropropane	5	ug/l	--	--
2-Butanone	50	ug/l	ND	ND
2-Hexanone	50	ug/l	ND	ND
4-Methyl-2-pentanone	NS	ug/l	ND	ND
Acetone	50	ug/l	ND	ND
Acrylonitrile	5	ug/l	--	--
Benzene	1	ug/l	ND	ND
Bromobenzene	5	ug/l	--	--
Bromochloromethane	5	ug/l	--	--
Bromodichloromethane	50	ug/l	ND	ND
Bromoform	50	ug/l	ND	ND
Bromomethane	5	ug/l	ND	ND
Carbon disulfide	60	ug/l	ND	ND
Carbon tetrachloride	5	ug/l	ND	ND

Table 2a. Volatile Organic Compounds in Groundwater
2921 Westchester Avenue
BCP Site No. C203140

CLIENT SAMPLE ID	NY-AWQS	Units	FIELD BLANK	TRIP BLANK
SAMPLING DATE			2/24/2022	2/24/2022
LAB SAMPLE ID			L2210146-04	L2210146-05
			Qual	Qual
Volatile Organic Compounds				
Chlorobenzene	5	ug/l	ND	ND
Chloroethane	5	ug/l	ND	ND
Chloroform	7	ug/l	ND	ND
Chloromethane	NS	ug/l	ND	ND
cis-1,2-Dichloroethene	5	ug/l	ND	ND
cis-1,3-Dichloropropene	0.4	ug/l	ND	ND
Cyclohexane	NS	ug/l	ND	ND
Dibromochloromethane	50	ug/l	ND	ND
Dibromomethane	5	ug/l	--	--
Dichlorodifluoromethane	5	ug/l	ND	ND
Ethyl ether	NS	ug/l	--	--
Ethylbenzene	5	ug/l	ND	ND
Freon-113	5	ug/l	ND	ND
Hexachlorobutadiene	0.5	ug/l	--	--
Isopropylbenzene	5	ug/l	ND	ND
Methyl acetate	NS	ug/l	ND	ND
Methyl cyclohexane	NS	ug/l	ND	ND
Methyl tert butyl ether	10	ug/l	ND	ND
Methylene chloride	5	ug/l	ND	ND
n-Butylbenzene	5	ug/l	ND	ND
n-Propylbenzene	5	ug/l	ND	ND
Naphthalene	10	ug/l	ND	ND
o-Chlorotoluene	5	ug/l	--	--
o-Xylene	5	ug/l	ND	ND
p-Chlorotoluene	5	ug/l	--	--
p-Diethylbenzene	NS	ug/l	--	--
p-Ethyltoluene	NS	ug/l	--	--
p-Isopropyltoluene	5	ug/l	ND	ND
p/m-Xylene	5	ug/l	ND	ND
sec-Butylbenzene	5	ug/l	ND	ND
Styrene	5	ug/l	ND	ND
tert-Butylbenzene	5	ug/l	ND	ND
Tetrachloroethene	5	ug/l	ND	ND
Toluene	5	ug/l	ND	ND
trans-1,2-Dichloroethene	5	ug/l	ND	ND
trans-1,3-Dichloropropene	0.4	ug/l	ND	ND
trans-1,4-Dichloro-2-butene	5	ug/l	--	--
Trichloroethene	5	ug/l	ND	ND

Table 2a. Volatile Organic Compounds in Groundwater
2921 Westchester Avenue
BCP Site No. C203140

CLIENT SAMPLE ID	NY-AWQS	Units	FIELD BLANK	TRIP BLANK
SAMPLING DATE			2/24/2022	2/24/2022
LAB SAMPLE ID			L2210146-04	L2210146-05
			Qual	Qual
Volatile Organic Compounds				
Trichlorofluoromethane	5	ug/l	ND	ND
Vinyl acetate	NS	ug/l	--	--
Vinyl chloride	2	ug/l	ND	ND
Xylenes, Total	NS	ug/l	ND	ND

Notes:

Bold and shaded yellow value indicates concentration exceeds NY-AWQS

NY-AWQS = NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Class GA Ambient Water Quality Standards

J = Estimated value

ND = Not detected

NS = No standard

-- = Not analyzed

Table 2b. Semivolatile Organic Compounds in Groundwater
2921 Westchester Avenue
BCP Site No. C203140

CLIENT SAMPLE ID	NY-AWQS	Units	MW-1		MW-2		MW-5	
SAMPLING DATE			2/23/2021		2/23/2021		2/23/2021	
LAB SAMPLE ID			L2108841-01		L2108841-02		L2108841-03	
				Qual		Qual		Qual
Semivolatile Organic Compounds								
1,2,4,5-Tetrachlorobenzene	5	ug/l	ND		ND		ND	
1,2,4-Trichlorobenzene	5	ug/l	ND		ND		ND	
1,2-Dichlorobenzene	3	ug/l	ND		ND		ND	
1,3-Dichlorobenzene	3	ug/l	ND		ND		ND	
1,4-Dichlorobenzene	3	ug/l	ND		ND		ND	
2,4,5-Trichlorophenol	NS	ug/l	ND		ND		ND	
2,4,6-Trichlorophenol	NS	ug/l	ND		ND		ND	
2,4-Dichlorophenol	1	ug/l	ND		ND		ND	
2,4-Dimethylphenol	50	ug/l	ND		ND		ND	
2,4-Dinitrophenol	10	ug/l	ND		ND		ND	
2,4-Dinitrotoluene	5	ug/l	ND		ND		ND	
2,6-Dinitrotoluene	5	ug/l	ND		ND		ND	
2-Chlorophenol	NS	ug/l	ND		ND		ND	
2-Methylphenol	NS	ug/l	ND		ND		ND	
2-Nitroaniline	5	ug/l	ND		ND		ND	
2-Nitrophenol	NS	ug/l	ND		ND		ND	
3,3'-Dichlorobenzidine	5	ug/l	ND		ND		ND	
3-Methylphenol/4-Methylphenol	NS	ug/l	ND		ND		ND	
3-Nitroaniline	5	ug/l	ND		ND		ND	
4,6-Dinitro-o-cresol	NS	ug/l	ND		ND		ND	
4-Bromophenyl phenyl ether	NS	ug/l	ND		ND		ND	
4-Chloroaniline	5	ug/l	ND		ND		ND	
4-Chlorophenyl phenyl ether	NS	ug/l	ND		ND		ND	
4-Nitroaniline	5	ug/l	ND		ND		ND	
4-Nitrophenol	NS	ug/l	ND		ND		ND	
Acetophenone	NS	ug/l	ND		ND		ND	
Benzoic Acid	NS	ug/l	ND		ND		ND	
Benzyl Alcohol	NS	ug/l	ND		ND		1.2	J
Biphenyl	NS	ug/l	ND		ND		ND	
Bis(2-chloroethoxy)methane	5	ug/l	ND		ND		ND	
Bis(2-chloroethyl)ether	1	ug/l	ND		ND		ND	
Bis(2-chloroisopropyl)ether	5	ug/l	ND		ND		ND	
Bis(2-ethylhexyl)phthalate	5	ug/l	ND		ND		ND	
Butyl benzyl phthalate	50	ug/l	ND		ND		ND	
Carbazole	NS	ug/l	ND		ND		ND	
Di-n-butylphthalate	50	ug/l	ND		ND		ND	
Di-n-octylphthalate	50	ug/l	ND		ND		ND	
Dibenzofuran	NS	ug/l	ND		ND		ND	
Diethyl phthalate	50	ug/l	ND		ND		ND	
Dimethyl phthalate	50	ug/l	ND		ND		ND	
Hexachlorocyclopentadiene	5	ug/l	ND		ND		ND	
Isophorone	50	ug/l	ND		ND		ND	

Table 2b. Semivolatile Organic Compounds in Groundwater
2921 Westchester Avenue
BCP Site No. C203140

CLIENT SAMPLE ID	NY-AWQS	Units	MW-1		MW-2		MW-5	
SAMPLING DATE			2/23/2021		2/23/2021		2/23/2021	
LAB SAMPLE ID			L2108841-01		L2108841-02		L2108841-03	
				Qual		Qual		Qual
Semivolatile Organic Compounds								
n-Nitrosodi-n-propylamine	NS	ug/l	ND		ND		ND	
NDPA/DPA	50	ug/l	ND		ND		ND	
Nitrobenzene	0.4	ug/l	ND		ND		ND	
p-Chloro-m-cresol	NS	ug/l	ND		ND		ND	
Phenol	1	ug/l	ND		ND		ND	
2-Chloronaphthalene	10	ug/l	ND		ND		ND	
2-Methylnaphthalene	NS	ug/l	ND		ND		0.08	J
Acenaphthene	20	ug/l	ND		ND		0.42	
Acenaphthylene	NS	ug/l	ND		ND		0.03	J
Anthracene	50	ug/l	ND		0.03	J	0.02	J
Benzo(a)anthracene	0.002	ug/l	ND		**0.03**	**J**	ND	
Benzo(a)pyrene	NS	ug/l	ND		ND		ND	
Benzo(b)fluoranthene	0.002	ug/l	ND		**0.02**	**J**	ND	
Benzo(ghi)perylene	NS	ug/l	ND		0.01	J	ND	
Benzo(k)fluoranthene	0.002	ug/l	ND		**0.01**	**J**	ND	
Chrysene	0.002	ug/l	ND		**0.01**	**J**	ND	
Dibenzo(a,h)anthracene	NS	ug/l	ND		ND		ND	
Fluoranthene	50	ug/l	ND		0.03	J	0.03	J
Fluorene	50	ug/l	ND		ND		0.1	J
Hexachlorobenzene	0.04	ug/l	ND		ND		ND	
Hexachlorobutadiene	0.5	ug/l	ND		ND		ND	
Hexachloroethane	5	ug/l	ND		ND		ND	
Indeno(1,2,3-cd)pyrene	0.002	ug/l	ND		**0.01**	**J**	ND	
Naphthalene	10	ug/l	ND		ND		0.52	
Pentachlorophenol	1	ug/l	0.34	J	0.65	J	0.27	J
Phenanthrene	50	ug/l	ND		ND		0.08	J
Pyrene	50	ug/l	ND		0.03	J	0.03	J

Notes:

Bold and shaded yellow value indicates concentration exceeds NY-AWQS

NY-AWQS = NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Class GA Ambient Water Quality Standards

J = Estimated value

ND = Not detected

NS = No standard

Table 2b. Semivolatile Organic Compounds in Groundwater
2921 Westchester Avenue
BCP Site No. C203140

CLIENT SAMPLE ID	NY-AWQS	Units	BW-1	BW-1_DUP	MW-3
SAMPLING DATE			2/23/2021	2/23/2021	3/4/2021
LAB SAMPLE ID			L2108841-04	L2108841-05	L2110911-01
			Qual	Qual	Qual
Semivolatile Organic Compounds					
1,2,4,5-Tetrachlorobenzene	5	ug/l	ND	ND	ND
1,2,4-Trichlorobenzene	5	ug/l	ND	ND	ND
1,2-Dichlorobenzene	3	ug/l	ND	ND	ND
1,3-Dichlorobenzene	3	ug/l	ND	ND	ND
1,4-Dichlorobenzene	3	ug/l	ND	ND	ND
2,4,5-Trichlorophenol	NS	ug/l	ND	ND	ND
2,4,6-Trichlorophenol	NS	ug/l	ND	ND	ND
2,4-Dichlorophenol	1	ug/l	ND	ND	ND
2,4-Dimethylphenol	50	ug/l	ND	ND	ND
2,4-Dinitrophenol	10	ug/l	ND	ND	ND
2,4-Dinitrotoluene	5	ug/l	ND	ND	ND
2,6-Dinitrotoluene	5	ug/l	ND	ND	ND
2-Chlorophenol	NS	ug/l	ND	ND	ND
2-Methylphenol	NS	ug/l	ND	ND	ND
2-Nitroaniline	5	ug/l	ND	ND	ND
2-Nitrophenol	NS	ug/l	ND	ND	ND
3,3'-Dichlorobenzidine	5	ug/l	ND	ND	ND
3-Methylphenol/4-Methylphenol	NS	ug/l	ND	ND	ND
3-Nitroaniline	5	ug/l	ND	ND	ND
4,6-Dinitro-o-cresol	NS	ug/l	ND	ND	ND
4-Bromophenyl phenyl ether	NS	ug/l	ND	ND	ND
4-Chloroaniline	5	ug/l	ND	ND	ND
4-Chlorophenyl phenyl ether	NS	ug/l	ND	ND	ND
4-Nitroaniline	5	ug/l	ND	ND	ND
4-Nitrophenol	NS	ug/l	ND	ND	ND
Acetophenone	NS	ug/l	ND	ND	ND
Benzoic Acid	NS	ug/l	ND	ND	ND
Benzyl Alcohol	NS	ug/l	ND	ND	ND
Biphenyl	NS	ug/l	ND	ND	ND
Bis(2-chloroethoxy)methane	5	ug/l	ND	ND	ND
Bis(2-chloroethyl)ether	1	ug/l	ND	ND	ND
Bis(2-chloroisopropyl)ether	5	ug/l	ND	ND	ND
Bis(2-ethylhexyl)phthalate	5	ug/l	ND	ND	ND
Butyl benzyl phthalate	50	ug/l	ND	ND	ND
Carbazole	NS	ug/l	ND	ND	ND
Di-n-butylphthalate	50	ug/l	ND	ND	ND
Di-n-octylphthalate	50	ug/l	ND	ND	ND
Dibenzofuran	NS	ug/l	ND	ND	ND
Diethyl phthalate	50	ug/l	ND	ND	ND
Dimethyl phthalate	50	ug/l	ND	ND	ND
Hexachlorocyclopentadiene	5	ug/l	ND	ND	ND
Isophorone	50	ug/l	ND	ND	ND

Table 2b. Semivolatile Organic Compounds in Groundwater
2921 Westchester Avenue
BCP Site No. C203140

CLIENT SAMPLE ID	NY-AWQS	Units	BW-1		BW-1_DUP		MW-3	
SAMPLING DATE			2/23/2021		2/23/2021		3/4/2021	
LAB SAMPLE ID			L2108841-04		L2108841-05		L2110911-01	
				Qual		Qual		Qual
Semivolatile Organic Compounds								
n-Nitrosodi-n-propylamine	NS	ug/l	ND		ND		ND	
NDPA/DPA	50	ug/l	ND		ND		ND	
Nitrobenzene	0.4	ug/l	ND		ND		ND	
p-Chloro-m-cresol	NS	ug/l	ND		ND		ND	
Phenol	1	ug/l	ND		ND		ND	
2-Chloronaphthalene	10	ug/l	ND		ND		ND	
2-Methylnaphthalene	NS	ug/l	0.1	J	0.07	J	ND	
Acenaphthene	20	ug/l	0.02	J	0.02	J	ND	
Acenaphthylene	NS	ug/l	ND		ND		ND	
Anthracene	50	ug/l	ND		ND		ND	
Benzo(a)anthracene	0.002	ug/l	ND		ND		ND	
Benzo(a)pyrene	NS	ug/l	ND		ND		ND	
Benzo(b)fluoranthene	0.002	ug/l	ND		ND		ND	
Benzo(ghi)perylene	NS	ug/l	ND		ND		ND	
Benzo(k)fluoranthene	0.002	ug/l	ND		ND		ND	
Chrysene	0.002	ug/l	ND		ND		ND	
Dibenzo(a,h)anthracene	NS	ug/l	ND		ND		ND	
Fluoranthene	50	ug/l	0.06	J	0.03	J	0.05	J
Fluorene	50	ug/l	0.03	J	0.03	J	ND	
Hexachlorobenzene	0.04	ug/l	ND		ND		ND	
Hexachlorobutadiene	0.5	ug/l	ND		ND		ND	
Hexachloroethane	5	ug/l	ND		ND		ND	
Indeno(1,2,3-cd)pyrene	0.002	ug/l	ND		ND		ND	
Naphthalene	10	ug/l	0.09	J	ND		ND	
Pentachlorophenol	1	ug/l	0.27	J	0.28	J	0.16	J
Phenanthrene	50	ug/l	0.06	J	0.04	J	0.07	J
Pyrene	50	ug/l	0.03	J	0.02	J	0.04	J

Notes:

Bold and shaded yellow value indicates concentration exceeds NY-AWQS

NY-AWQS = NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Class GA Ambient Water Quality Standards

J = Estimated value

ND = Not detected

NS = No standard

Table 2b. Semivolatile Organic Compounds in Groundwater
2921 Westchester Avenue
BCP Site No. C203140

CLIENT SAMPLE ID	NY-AWQS	Units	MW-4		MW-6		FIELD BLANK	
SAMPLING DATE			3/4/2021		3/4/2021		2/23/2021	
LAB SAMPLE ID			L2110911-02		L2110911-04		L2108841-06	
				Qual		Qual		Qual
Semivolatile Organic Compounds								
1,2,4,5-Tetrachlorobenzene	5	ug/l	ND		ND		ND	
1,2,4-Trichlorobenzene	5	ug/l	ND		ND		ND	
1,2-Dichlorobenzene	3	ug/l	ND		ND		ND	
1,3-Dichlorobenzene	3	ug/l	ND		ND		ND	
1,4-Dichlorobenzene	3	ug/l	ND		ND		ND	
2,4,5-Trichlorophenol	NS	ug/l	ND		ND		ND	
2,4,6-Trichlorophenol	NS	ug/l	ND		ND		ND	
2,4-Dichlorophenol	1	ug/l	ND		ND		ND	
2,4-Dimethylphenol	50	ug/l	ND		ND		ND	
2,4-Dinitrophenol	10	ug/l	ND		ND		ND	
2,4-Dinitrotoluene	5	ug/l	ND		ND		ND	
2,6-Dinitrotoluene	5	ug/l	ND		ND		ND	
2-Chlorophenol	NS	ug/l	ND		ND		ND	
2-Methylphenol	NS	ug/l	ND		ND		ND	
2-Nitroaniline	5	ug/l	ND		ND		ND	
2-Nitrophenol	NS	ug/l	ND		ND		ND	
3,3'-Dichlorobenzidine	5	ug/l	ND		ND		ND	
3-Methylphenol/4-Methylphenol	NS	ug/l	ND		ND		ND	
3-Nitroaniline	5	ug/l	ND		ND		ND	
4,6-Dinitro-o-cresol	NS	ug/l	ND		ND		ND	
4-Bromophenyl phenyl ether	NS	ug/l	ND		ND		ND	
4-Chloroaniline	5	ug/l	ND		ND		ND	
4-Chlorophenyl phenyl ether	NS	ug/l	ND		ND		ND	
4-Nitroaniline	5	ug/l	ND		ND		ND	
4-Nitrophenol	NS	ug/l	ND		ND		ND	
Acetophenone	NS	ug/l	ND		1.8	J	ND	
Benzoic Acid	NS	ug/l	ND		ND		ND	
Benzyl Alcohol	NS	ug/l	ND		ND		ND	
Biphenyl	NS	ug/l	ND		ND		ND	
Bis(2-chloroethoxy)methane	5	ug/l	ND		ND		ND	
Bis(2-chloroethyl)ether	1	ug/l	ND		ND		ND	
Bis(2-chloroisopropyl)ether	5	ug/l	ND		ND		ND	
Bis(2-ethylhexyl)phthalate	5	ug/l	ND		**11**		ND	
Butyl benzyl phthalate	50	ug/l	ND		7.1	J	ND	
Carbazole	NS	ug/l	ND		ND		ND	
Di-n-butylphthalate	50	ug/l	ND		ND		ND	
Di-n-octylphthalate	50	ug/l	ND		ND		ND	
Dibenzofuran	NS	ug/l	ND		ND		ND	
Diethyl phthalate	50	ug/l	ND		ND		ND	
Dimethyl phthalate	50	ug/l	ND		ND		ND	
Hexachlorocyclopentadiene	5	ug/l	ND		ND		ND	
Isophorone	50	ug/l	ND		ND		ND	

Table 2b. Semivolatile Organic Compounds in Groundwater
2921 Westchester Avenue
BCP Site No. C203140

CLIENT SAMPLE ID	NY-AWQS	Units	MW-4		MW-6		FIELD BLANK	
SAMPLING DATE			3/4/2021		3/4/2021		2/23/2021	
LAB SAMPLE ID			L2110911-02		L2110911-04		L2108841-06	
				Qual		Qual		Qual
Semivolatile Organic Compounds								
n-Nitrosodi-n-propylamine	NS	ug/l	ND		ND		ND	
NDPA/DPA	50	ug/l	ND		ND		ND	
Nitrobenzene	0.4	ug/l	ND		ND		ND	
p-Chloro-m-cresol	NS	ug/l	ND		ND		ND	
Phenol	1	ug/l	ND		ND		ND	
2-Chloronaphthalene	10	ug/l	ND		ND		ND	
2-Methylnaphthalene	NS	ug/l	ND		ND		ND	
Acenaphthene	20	ug/l	ND		ND		ND	
Acenaphthylene	NS	ug/l	ND		ND		ND	
Anthracene	50	ug/l	ND		ND		ND	
Benzo(a)anthracene	0.002	ug/l	ND		**0.1**	**J**	ND	
Benzo(a)pyrene	NS	ug/l	ND		0.1	J	ND	
Benzo(b)fluoranthene	0.002	ug/l	ND		**0.16**	**J**	**0.02**	**J**
Benzo(ghi)perylene	NS	ug/l	ND		0.08	J	0.02	J
Benzo(k)fluoranthene	0.002	ug/l	ND		**0.04**	**J**	**0.02**	**J**
Chrysene	0.002	ug/l	ND		**0.14**	**J**	**0.01**	**J**
Dibenzo(a,h)anthracene	NS	ug/l	ND		ND		ND	
Fluoranthene	50	ug/l	ND		0.33	J	ND	
Fluorene	50	ug/l	ND		ND		ND	
Hexachlorobenzene	0.04	ug/l	ND		ND		ND	
Hexachlorobutadiene	0.5	ug/l	ND		ND		ND	
Hexachloroethane	5	ug/l	ND		ND		ND	
Indeno(1,2,3-cd)pyrene	0.002	ug/l	ND		**0.09**	**J**	**0.02**	**J**
Naphthalene	10	ug/l	ND		ND		ND	
Pentachlorophenol	1	ug/l	0.26	J	ND		0.2	J
Phenanthrene	50	ug/l	0.09	J	0.27	J	ND	
Pyrene	50	ug/l	ND		0.27	J	ND	

Notes:

Bold and shaded yellow value indicates concentration exceeds NY-AWQS

NY-AWQS = NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Class GA Ambient Water Quality Standards

J = Estimated value

ND = Not detected

NS = No standard

Table 2b. Semivolatile Organic Compounds in Groundwater
2921 Westchester Avenue
BCP Site No. C203140

CLIENT SAMPLE ID	NY-AWQS	Units	MW-6	
SAMPLING DATE			7/14/2021	
LAB SAMPLE ID			L2137792-01	
				Qual
Semivolatile Organic Compounds				
1,2,4,5-Tetrachlorobenzene	5	ug/l	ND	
1,2,4-Trichlorobenzene	5	ug/l	ND	
1,2-Dichlorobenzene	3	ug/l	ND	
1,3-Dichlorobenzene	3	ug/l	ND	
1,4-Dichlorobenzene	3	ug/l	ND	
2,4,5-Trichlorophenol	NS	ug/l	ND	
2,4,6-Trichlorophenol	NS	ug/l	ND	
2,4-Dichlorophenol	1	ug/l	ND	
2,4-Dimethylphenol	50	ug/l	ND	
2,4-Dinitrophenol	10	ug/l	ND	
2,4-Dinitrotoluene	5	ug/l	ND	
2,6-Dinitrotoluene	5	ug/l	ND	
2-Chlorophenol	NS	ug/l	ND	
2-Methylphenol	NS	ug/l	ND	
2-Nitroaniline	5	ug/l	ND	
2-Nitrophenol	NS	ug/l	ND	
3,3'-Dichlorobenzidine	5	ug/l	ND	
3-Methylphenol/4-Methylphenol	NS	ug/l	ND	
3-Nitroaniline	5	ug/l	ND	
4,6-Dinitro-o-cresol	NS	ug/l	ND	
4-Bromophenyl phenyl ether	NS	ug/l	ND	
4-Chloroaniline	5	ug/l	ND	
4-Chlorophenyl phenyl ether	NS	ug/l	ND	
4-Nitroaniline	5	ug/l	ND	
4-Nitrophenol	NS	ug/l	ND	
Acetophenone	NS	ug/l	ND	
Benzoic Acid	NS	ug/l	ND	
Benzyl Alcohol	NS	ug/l	ND	
Biphenyl	NS	ug/l	ND	
Bis(2-chloroethoxy)methane	5	ug/l	ND	
Bis(2-chloroethyl)ether	1	ug/l	ND	
Bis(2-chloroisopropyl)ether	5	ug/l	ND	
Bis(2-ethylhexyl)phthalate	5	ug/l	ND	
Butyl benzyl phthalate	50	ug/l	ND	
Carbazole	NS	ug/l	ND	
Di-n-butylphthalate	50	ug/l	0.89	J
Di-n-octylphthalate	50	ug/l	ND	
Dibenzofuran	NS	ug/l	ND	
Diethyl phthalate	50	ug/l	ND	
Dimethyl phthalate	50	ug/l	ND	
Hexachlorocyclopentadiene	5	ug/l	ND	
Isophorone	50	ug/l	ND	

Table 2b. Semivolatile Organic Compounds in Groundwater
2921 Westchester Avenue
BCP Site No. C203140

CLIENT SAMPLE ID	NY-AWQS	Units	MW-6
SAMPLING DATE			7/14/2021
LAB SAMPLE ID			L2137792-01
			Qual
Semivolatile Organic Compounds			
n-Nitrosodi-n-propylamine	NS	ug/l	ND
NDPA/DPA	50	ug/l	ND
Nitrobenzene	0.4	ug/l	ND
p-Chloro-m-cresol	NS	ug/l	ND
Phenol	1	ug/l	ND
2-Chloronaphthalene	10	ug/l	ND
2-Methylnaphthalene	NS	ug/l	ND
Acenaphthene	20	ug/l	ND
Acenaphthylene	NS	ug/l	ND
Anthracene	50	ug/l	ND
Benzo(a)anthracene	0.002	ug/l	ND
Benzo(a)pyrene	NS	ug/l	ND
Benzo(b)fluoranthene	0.002	ug/l	ND
Benzo(ghi)perylene	NS	ug/l	ND
Benzo(k)fluoranthene	0.002	ug/l	ND
Chrysene	0.002	ug/l	ND
Dibenzo(a,h)anthracene	NS	ug/l	ND
Fluoranthene	50	ug/l	ND
Fluorene	50	ug/l	ND
Hexachlorobenzene	0.04	ug/l	ND
Hexachlorobutadiene	0.5	ug/l	ND
Hexachloroethane	5	ug/l	ND
Indeno(1,2,3-cd)pyrene	0.002	ug/l	ND
Naphthalene	10	ug/l	ND
Pentachlorophenol	1	ug/l	ND
Phenanthrene	50	ug/l	ND
Pyrene	50	ug/l	ND

Notes:

Bold and shaded yellow value indicates concentration exceeds NY-AWQS

NY-AWQS = NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Class GA Ambient Water Quality Standards

J = Estimated value

ND = Not detected

NS = No standard

Table 2c. Total and Dissolved Metals in Groundwater
2921 Westchester Avenue
BCP Site No. C203140

CLIENT SAMPLE ID	NY-AWQS	Units	MW-1		MW-2		MW-5		BW-1		BW-1_DUP		MW-3		MW-4		FIELD BLANK		MW-6	
SAMPLING DATE			2/23/2021		2/23/2021		2/23/2021		2/23/2021		2/23/2021		3/4/2021		3/4/2021		2/23/2021		7/14/2021	
LAB SAMPLE ID			L2108841-01		L2108841-02		L2108841-03		L2108841-04		L2108841-05		L2110911-01		L2110911-02		L2108841-06		L2137792-01	
				Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual
General Chemistry																				
Chromium, Trivalent	NS	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		271	J
Cyanide, Total	200	ug/l	ND		35		2	J	ND		ND		ND		ND		3	J	2	J
Chromium, Hexavalent	50	ug/l	4	J	8	J	3	J	3	J	3	J	ND		6	J	ND		4	J
Total Metals																				
Aluminum, Total	NS	ug/l	82		143		2290		622		836		61.8		53.6		ND		40000	
Antimony, Total	3	ug/l	ND		ND		ND		**16.91**		**11.37**		**4.5**		**5.79**		ND		0.8	J
Arsenic, Total	25	ug/l	0.71		5.8		1.68		1.93		1.92		2.07		2.7		ND		8.19	
Barium, Total	1000	ug/l	326.5		142.4		220.3		56.39		65.03		53.32		77.28		ND		497.8	
Beryllium, Total	3	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		1.34	
Cadmium, Total	5	ug/l	ND		ND		ND		ND		ND		ND		0.12	J	ND		0.37	
Calcium, Total	NS	ug/l	99200		78600		143000		35400		49700		87800		106000		ND		38200	
Chromium, Total	50	ug/l	1.68		6.11	J	10.74		3.05		4.64		2.11		5.4		ND		**275**	
Cobalt, Total	NS	ug/l	0.67		ND		2.81		0.72		1.3		0.76		0.2	J	ND		42.09	
Copper, Total	200	ug/l	1.4		14.4		8.49		3.94		5.67		0.63	J	1.79		ND		138.1	
Iron, Total	300	ug/l	198		281	J	**3600**		**774**		**1190**		**1500**		103		ND		**62000**	
Lead, Total	25	ug/l	ND		ND		2.35		2.68		4.53		0.7	J	9.05		ND		**136.1**	
Magnesium, Total	35000	ug/l	**106000**		7580		**49800**		19900		**44200**		33200		**55500**		ND		**53900**	
Manganese, Total	300	ug/l	182.9		10.09		**949**		63.86		61.76		106.2		2.18		ND		**1055**	
Mercury, Total	0.7	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		0.1	J
Nickel, Total	100	ug/l	3.91		ND		19.92		7.58		10.99		5.06		3.72		ND		**478.5**	
Potassium, Total	NS	ug/l	6640		14300		23500		4210		5230		11200		10600		ND		17000	
Selenium, Total	10	ug/l	ND		ND		ND		ND		ND		3.95	J	3.53	J	ND		2.97	J
Silver, Total	50	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		0.27	J
Sodium, Total	20000	ug/l	**211000**		**1730000**		**169000**		**49000**		**77600**		**201000**		**188000**		ND		**249000**	
Thallium, Total	0.5	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		**1.24**	
Vanadium, Total	NS	ug/l	2.25	J	ND		8.77		3.22	J	4.72	J	2.08	J	2.64	J	ND		80.95	
Zinc, Total	2000	ug/l	8.88	J	ND		17.34		9.5	J	15.79		72.18		567.9		5.7	J	324.7	
Dissolved Metals																				
Aluminum, Dissolved	NS	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		1040	
Antimony, Dissolved	3	ug/l	**4.74**	**J**	**17.65**	**J**	**3.15**	**J**	**18.04**	**J**	**11.62**	**J**	**4.61**		**5.82**		ND		2.23	J
Arsenic, Dissolved	25	ug/l	1.12	J	6.19		1.44	J	2.05	J	2.11	J	0.43	J	2.85		ND		5.45	
Barium, Dissolved	1000	ug/l	326.1		133.3		203		52.05		56.18		48.56		76.54		0.48	J	32.63	
Beryllium, Dissolved	3	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Cadmium, Dissolved	5	ug/l	ND		ND		ND		ND		ND		ND		0.11	J	ND		ND	
Calcium, Dissolved	NS	ug/l	116000		78000		166000		41400		74500		86200		110000		ND		15100	
Chromium, Dissolved	50	ug/l	0.95	J	5.08		ND		ND		ND		ND		5.3		ND		11.96	
Cobalt, Dissolved	NS	ug/l	ND		ND		ND		ND		ND		0.66		ND		ND		1.16	
Copper, Dissolved	200	ug/l	ND		14.42		ND		ND		ND		ND		1.37		ND		11.82	
Iron, Dissolved	300	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		**1410**	
Lead, Dissolved	25	ug/l	ND		ND		ND		ND		ND		ND		3.16		ND		3.34	
Magnesium, Dissolved	35000	ug/l	**152000**		7340		**52200**		21200		**52500**		34800		**57300**		ND		10800	
Manganese, Dissolved	300	ug/l	21.64		5.05		**940.4**		60		39.87		106.2		ND		ND		33.16	
Mercury, Dissolved	0.7	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Nickel, Dissolved	100	ug/l	3.16	J	3.42	J	4.14	J	5.57	J	4.35	J	4.94		3.32		ND		14.11	
Potassium, Dissolved	NS	ug/l	7260		14200		25800		4480		5910		10900		11000		ND		4890	
Selenium, Dissolved	10	ug/l	ND		ND		ND		ND		ND		3.53	J	3.22	J	ND		ND	
Silver, Dissolved	50	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Sodium, Dissolved	20000	ug/l	**240000**		**1820000**		**187000**		**68400**		**69000**		**201000**		**192000**		34.5	J	**245000**	
Thallium, Dissolved	0.5	ug/l	ND		**0.92**	**J**	ND		ND		ND		0.34	J	0.23	J	ND		0.5	J
Vanadium, Dissolved	NS	ug/l	ND		ND		ND		ND		ND		ND		2.58	J	ND		10.65	
Zinc, Dissolved	2000	ug/l	ND		ND		ND		ND		ND		40.76		542.7		ND		9.49	J

Notes:

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J = Estimated value

ND = Not detected

NS = No standard

Table 2d. Pesticides, Herbicides, and Polychlorinated Biphenyls in Groundwater
2921 Westchester Avenue
BCP Site No. C203140

CLIENT SAMPLE ID	NY-AWQS	Units	MW-1	MW-2	MW-5	BW-1	BW-1_DUP	MW-3	MW-4	FIELD BLANK	MW-6
SAMPLING DATE			2/23/2021	2/23/2021	2/23/2021	2/23/2021	2/23/2021	3/4/2021	3/4/2021	2/23/2021	7/14/2021
LAB SAMPLE ID			L2108841-01	L2108841-02	L2108841-03	L2108841-04	L2108841-05	L2110911-01	L2110911-02	L2108841-06	L2137792-01
			Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual
Chlorinated Herbicides											
2,4,5-T	35	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-TP (Silvex)	NS	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-D	50	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND
Polychlorinated Biphenyls											
Aroclor 1016	0.09	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	0.09	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	0.09	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.09	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	0.09	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	0.09	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	0.09	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1262	0.09	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1268	0.09	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCBs, Total	NS	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND
Organochlorine Pesticides											
4,4'-DDD	0.3	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	0.2	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	0.2	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aldrin	NS	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND
Alpha-BHC	0.01	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND
Beta-BHC	0.04	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane	0.05	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-Chlordane	NS	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND
Delta-BHC	0.04	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.004	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan I	NS	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	NS	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	NS	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	NS	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin aldehyde	5	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin ketone	5	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.04	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	0.03	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lindane	0.05	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	35	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toxaphene	0.06	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-Chlordane	NS	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

Bold and shaded yellow value indicates concentration exceeds NY-AWQS

NY-AWQS = NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Class GA Ambient Water Quality Standards

ND = Not detected

NS = No standard

Table 2e. Emerging Contaminants in Groundwater
2921 Westchester Avenue
BCP Site No. C203140

CLIENT SAMPLE ID	NY-AWQS	NY-PFAS	Units	MW-1		MW-2		MW-5		BW-1		BW-1_DUP		MW-3	
SAMPLING DATE				2/23/2021		2/23/2021		2/23/2021		2/23/2021		2/23/2021		3/4/2021	
LAB SAMPLE ID				L2108841-01		L2108841-02		L2108841-03		L2108841-04		L2108841-05		L2110911-01	
					Qual		Qual		Qual		Qual		Qual		Qual
1,4 Dioxane															
1,4-Dioxane	NS	NS	ug/l	0.188		ND		0.172		ND		ND		ND	
Perfluorinated Alkyl Acids															
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	NS	100	ng/l	ND		ND		1.24	J	ND		ND		ND	
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	NS	100	ng/l	32		1.85	J	7		5.93		5.66		ND	
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NS	100	ng/l	ND		ND		16.7		ND		ND		ND	
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	NS	100	ng/l	ND		ND		19.3	F	ND		ND		ND	
Perfluorobutanesulfonic Acid (PFBS)	NS	100	ng/l	12.6		0.275	JF	29		3.3		3.45		18.3	
Perfluorobutanoic Acid (PFBA)	NS	100	ng/l	22.1		16.8		43.8		5.28		5.64		26.2	
Perfluorodecanesulfonic Acid (PFDS)	NS	100	ng/l	ND		ND		ND		ND		ND		ND	
Perfluorodecanoic Acid (PFDA)	NS	100	ng/l	0.397	J	2.22		3.38		0.588	J	0.74	J	7.49	
Perfluorododecanoic Acid (PFDoA)	NS	100	ng/l	ND		1.37	JF	ND		ND		ND		ND	
Perfluoroheptanesulfonic Acid (PFHpS)	NS	100	ng/l	0.713	JF	ND		1.88	JF	ND		ND		0.924	J
Perfluoroheptanoic Acid (PFHpA)	NS	100	ng/l	10.6		1.89		26.4		5.04		5.65		80.6	
Perfluorohexanesulfonic Acid (PFHxS)	NS	100	ng/l	4.23		ND		9.57		2.4	F	2.16		5.39	
Perfluorohexanoic Acid (PFHxA)	NS	100	ng/l	24.4		3.44		3.89		5.62		6.55		60.9	
Perfluorononanoic Acid (PFNA)	NS	100	ng/l	2.86		1.11	J	13.5		6.64		6.95		38.4	
Perfluorooctanesulfonamide (FOSA)	NS	100	ng/l	ND		ND		0.846	JF	ND		ND		0.746	JF
Perfluorooctanesulfonic Acid (PFOS)	NS	10	ng/l	**35.6**		3.89		**111**		9		8.83		**47**	
Perfluorooctanoic Acid (PFOA)	NS	10	ng/l	**35.4**		3.28		**94**		**25.7**		**25.4**		**447**	
Perfluoropentanoic Acid (PFPeA)	NS	100	ng/l	28.6		2.07		41.7		5.37		5.54		35.2	
Perfluorotetradecanoic Acid (PFTA)	NS	100	ng/l	ND		0.49	J	ND		ND		ND		ND	
Perfluorotridecanoic Acid (PFTrDA)	NS	100	ng/l	ND		0.45	J	ND		ND		ND		ND	
Perfluoroundecanoic Acid (PFUnA)	NS	100	ng/l	ND		1.05	J	ND		ND		ND		ND	
Perfluorinated Alkyl Acids, Total	NS	500	ng/l	209.5		40.185		423.206		74.868		76.57		**768.15**	

Notes:

Bold and shaded yellow value indicates concentration exceeds NY-AWQS or NY-PFAS

NY-AWQS = NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Class GA Ambient Water Quality Standards

NY-PFAS = Guidelines for Sampling and Analysis of PFAS Under NYSDEC's Part 375 Remedial Programs, October 2020

J = Estimated value

F = The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria

ND = Not detected

NS = No standard

Table 2e. Emerging Contaminants in Groundwater
2921 Westchester Avenue
BCP Site No. C203140

CLIENT SAMPLE ID	NY-AWQS	NY-PFAS	Units	MW-4		FIELD BLANK	MW-6	
SAMPLING DATE				3/4/2021		2/23/2021	7/14/2021	
LAB SAMPLE ID				L2110911-02		L2108841-06	L2137792-01	
					Qual	Qual		Qual
1,4 Dioxane								
1,4-Dioxane	NS	NS	ug/l	ND		ND	ND	
Perfluorinated Alkyl Acids								
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	NS	100	ng/l	ND		ND	ND	
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	NS	100	ng/l	ND		ND	29.4	
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NS	100	ng/l	1.29	JF	ND	ND	
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	NS	100	ng/l	ND		ND	ND	
Perfluorobutanesulfonic Acid (PFBS)	NS	100	ng/l	23.9		ND	22.6	
Perfluorobutanoic Acid (PFBA)	NS	100	ng/l	25.1		ND	7.71	
Perfluorodecanesulfonic Acid (PFDS)	NS	100	ng/l	ND		ND	ND	
Perfluorodecanoic Acid (PFDA)	NS	100	ng/l	2.79		ND	6.72	
Perfluorododecanoic Acid (PFDoA)	NS	100	ng/l	ND		ND	ND	
Perfluoroheptanesulfonic Acid (PFHpS)	NS	100	ng/l	8.36	J	ND	ND	
Perfluoroheptanoic Acid (PFHpA)	NS	100	ng/l	22.7		ND	4.19	
Perfluorohexanesulfonic Acid (PFHxS)	NS	100	ng/l	4.67		ND	0.9	J
Perfluorohexanoic Acid (PFHxA)	NS	100	ng/l	33.3		ND	12	
Perfluorononanoic Acid (PFNA)	NS	100	ng/l	22.1		ND	3.23	
Perfluorooctanesulfonamide (FOSA)	NS	100	ng/l	0.901	JF	ND	ND	
Perfluorooctanesulfonic Acid (PFOS)	NS	10	ng/l	**35.2**		ND	**38.1**	
Perfluorooctanoic Acid (PFOA)	NS	10	ng/l	**91.7**		ND	9.63	
Perfluoropentanoic Acid (PFPeA)	NS	100	ng/l	26.5		ND	8.81	
Perfluorotetradecanoic Acid (PFTA)	NS	100	ng/l	ND		ND	ND	
Perfluorotridecanoic Acid (PFTrDA)	NS	100	ng/l	ND		ND	ND	
Perfluoroundecanoic Acid (PFUnA)	NS	100	ng/l	0.791	J	ND	0.719	J
Perfluorinated Alkyl Acids, Total	NS	500	ng/l	299.302		ND	144.009	

Notes:

Bold and shaded yellow value indicates concentration exceeds NY-AWQS or NY-PFAS

NY-AWQS = NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Class GA Ambient Water Quality Standards

NY-PFAS = Guidelines for Sampling and Analysis of PFAS Under NYSDEC's Part 375 Remedial Programs, October 2020

J = Estimated value

F = The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria

ND = Not detected

NS = No standard

Table 3a. Volatile Organic Compounds in Sub-Slab Soil Vapor and Indoor Air - March 2021
2921 Westchester Avenue
BCP Site No. C203140

LOCATION	NYSDOH Matrix	NYSDOH AGV	Units	IA-6	IA-7	SS-3	IA-8	SS-7	IA-12	IA-9	IA-11	SS-5	IA-10	AA-1	Matrix Action
SAMPLING DATE				3/4/2021	3/4/2021	3/4/2021	3/4/2021	3/4/2021	3/4/2021	3/4/2021	3/4/2021	3/4/2021	3/4/2021	3/4/2021	
LAB SAMPLE ID				L2110920-01	L2110920-02	L2110920-03	L2110920-04	L2110920-05	L2110920-06	L2110920-07	L2110920-08	L2110920-09	L2110920-10	L2110920-11	
				Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	
Volatile Organic Compounds															
Dichlorodifluoromethane	-	NS	ug/m3	2.4	2.41	2.15	2.41	2.26	2.42	2.36	2.37	2.33	2.43	2.4	
Chloromethane	-	NS	ug/m3	0.944	1.03	ND	0.977	ND	0.981	1.18	1.22	ND	1.22	1.27	
Freon-114	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Vinyl chloride	C	NS	ug/m3	0.276	0.279	ND	0.079	ND	0.079	0.637	0.629	ND	ND	ND	No further action
1,3-Butadiene	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	0.584	0.757	ND	
Bromomethane	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Chloroethane	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Ethanol	-	NS	ug/m3	15.9	15.8	ND	23.7	14.2	23.9	16.4	16.2	ND	109	18.1	
Vinyl bromide	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Acetone	-	NS	ug/m3	6.87	7.29	2.38	21.6	ND	22.2	5.25	5.2	5.49	6.1	3.75	
Trichlorofluoromethane	-	NS	ug/m3	1.45	1.4	1.21	1.42	1.25	1.47	1.39	1.4	1.37	1.43	1.44	
Isopropanol	-	NS	ug/m3	15.1	15.6	3.83	48.9	24.6	50.6	5.9	5.09	ND	25.1	7.03	
1,1-Dichloroethene	A	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	No further action
Tertiary butyl Alcohol	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Methylene chloride	B	60	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	3.51	3.13	1.91	No further action
3-Chloropropene		NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Carbon disulfide	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Freon-113	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
trans-1,2-Dichloroethene	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,1-Dichloroethane	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Methyl tert butyl ether	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2-Butanone	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
cis-1,2-Dichloroethene	A	NS	ug/m3	9.12	9.28	3.22	2.32	ND	2.28	20.7	19.7	ND	0.337	ND	Identify sources and resample or mitigate (SS-3/IA-8 & SS-7/IA-12)
Ethyl Acetate	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Chloroform	-	NS	ug/m3	6.1	6.45	5.76	1.67	9.18	1.6	12.9	12.5	6.45	ND	ND	
Tetrahydrofuran	-	NS	ug/m3	ND	ND	ND	ND	8.35	ND	ND	ND	ND	ND	ND	
1,2-Dichloroethane	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
n-Hexane	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	4.19	5.46	ND	
1,1,1-Trichloroethane	B	NS	ug/m3	ND	ND	3.03	ND	2.71	ND	ND	ND	ND	ND	ND	No further action
Benzene	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	3.14	3.26	ND	
Carbon tetrachloride	A	NS	ug/m3	0.453	0.478	5.2	0.453	14.4	0.453	0.484	0.516	ND	0.409	0.428	Monitor (SS-7/IA-12)
Cyclohexane	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	1.8	2.55	ND	
1,2-Dichloropropane	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Bromodichloromethane	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	1.61	1.54	ND	ND	ND	
1,4-Dioxane	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Trichloroethene	A	2	ug/m3	**4.51**	**4.61**	2.32	1.23	2.2	1.2	**10.2**	**9.89**	ND	0.22	ND	Identify sources and resample or mitigate (SS-3/IA-8 & SS-7/IA-12)
2,2,4-Trimethylpentane	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	2.53	2.96	ND	
Heptane	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	1.26	3.19	ND	
cis-1,3-Dichloropropene	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
4-Methyl-2-pentanone	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
trans-1,3-Dichloropropene	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,1,2-Trichloroethane	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Toluene	-	NS	ug/m3	ND	0.833	ND	ND	ND	ND	1.08	1.06	6.14	11.3	ND	
2-Hexanone	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Dibromochloromethane	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,2-Dibromoethane	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Tetrachloroethene	B	30	ug/m3	**40.9**	**42.7**	277	11	275	10.8	**92.2**	**90.9**	7.87	1.93	0.217	Mitigate (SS-3/IA-8 & SS-7/IA-12)
Chlorobenzene	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Ethylbenzene	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	ND	
p/m-Xylene	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	2.22	7.34	ND	
Bromoform	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Styrene	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,1,2,2-Tetrachloroethane	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
o-Xylene	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	0.877	2.68	ND	

Table 3a. Volatile Organic Compounds in Sub-Slab Soil Vapor and Indoor Air - March 2021
2921 Westchester Avenue
BCP Site No. C203140

LOCATION	NYSDOH Matrix	NYSDOH AGV	Units	IA-6	IA-7	SS-3	IA-8	SS-7	IA-12	IA-9	IA-11	SS-5	IA-10	AA-1	Matrix Action
SAMPLING DATE				3/4/2021	3/4/2021	3/4/2021	3/4/2021	3/4/2021	3/4/2021	3/4/2021	3/4/2021	3/4/2021	3/4/2021	3/4/2021	
LAB SAMPLE ID				L2110920-01	L2110920-02	L2110920-03	L2110920-04	L2110920-05	L2110920-06	L2110920-07	L2110920-08	L2110920-09	L2110920-10	L2110920-11	
				Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	
Volatile Organic Compounds															
4-Ethyltoluene	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,3,5-Trimethylbenzene	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,2,4-Trimethylbenzene	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	1.01	2.09	ND	
Benzyl chloride	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,3-Dichlorobenzene	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,4-Dichlorobenzene	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,2-Dichlorobenzene	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,2,4-Trichlorobenzene	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Hexachlorobutadiene	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	

Notes:

Shaded blue value indicates "Identify sources and resample or mitigate" Matrix Decision

Shaded yellow value indicates "Monitor" Matrix Decision

Shaded orange value indicates "Mitigate" Matrix Decision

Bold value indicates concentration exceeds NYSDOH AGVs

NYSDOH AGVs = New York State Department of Health Air Guideline Values, Table 3.1 in NYSDOH Soil Vapor Guidance, October 2006 with May 2017 updates

Only indoor air concentrations are compared to NYSDOH AGVs

ND = Not detected

NS = No standard

Table 3b. Volatile Organic Compounds in Sub-Slab Soil Vapor and Indoor Air - February 2022
2921 Westchester Avenue
BCP Site No. C203140

LOCATION	NYSDOH Matrix	NYSDOH AGV	Units	TI-SS-1	TI-IA-1	TI-SS-2	TI-IA-2	TI-SS-3	TI-IA-3	TI-SS-4	TI-IA-4	TI-SS-5	TI-IA-5	TI-SS-6	TI-IA-6	AA-3	Matrix Action
SAMPLING DATE				2/24/2022	2/24/2022	2/24/2022	2/24/2022	2/24/2022	2/24/2022	2/24/2022	2/24/2022	2/24/2022	2/24/2022	2/24/2022	2/24/2022	2/24/2022	
LAB SAMPLE ID				L2210179-01	L2210179-02	L2210179-03	L2210179-04	L2210179-05	L2210179-06	L2210179-07	L2210179-08	L2210179-09	L2210179-10	L2210179-11	L2210179-12	L2210179-13	
				Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	
Volatile Organic Compounds																	
Dichlorodifluoromethane	-	NS	ug/m3	2.58	2.49	2.56	2.39	2.51	2.36	2.54	2.47	2.45	2.44	2.46	2.43	2.42	
Chloromethane	-	NS	ug/m3	0.758	1.1	ND	1.08	0.597	0.921	1.1	1.15	ND	1.16	ND	1.15	1.18	
Freon-114	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Vinyl chloride	C	NS	ug/m3	ND	ND	ND	ND	ND	0.077	ND	ND	ND	ND	ND	ND	ND	No further action
1,3-Butadiene	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	0.507	0.52	ND	0.555	0.511	ND	ND	
Bromomethane	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Chloroethane	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Ethanol	-	NS	ug/m3	26.4	135	11.6	149	23	13.8	169	131	11.4	106	15.6	102	12.3	
Vinyl bromide	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Acetone	-	NS	ug/m3	8.81	19.4	4.49	16.9	13.5	5.32	299	4.04	4.11	5.91	ND	3.09	ND	
Trichlorofluoromethane	-	NS	ug/m3	ND	ND	1.24	ND	1.31	ND	1.37	ND	ND	ND	1.34	ND	ND	
Isopropanol	-	NS	ug/m3	3.24	24.4	ND	25.3	2.31	9.93	32	41.5	ND	45.2	ND	40.6	1.42	
1,1-Dichloroethene	A	NS	ug/m3	ND	0.25	ND	0.17	ND	ND	ND	ND	ND	ND	ND	ND	ND	No further action
Tertiary butyl Alcohol	-	NS	ug/m3	6.49	ND	ND	ND	ND	ND	13.1	ND	1.59	ND	1.68	ND	ND	
Methylene chloride	B	60	ug/m3	14.7	**5520**	3.22	**7540**	40.3	**101**	329	**1650**	68.8	**1540**	1.98	**1550**	ND	Mitigate (TI-SS-4/TI-IA-4) Identify sources and resample or mitigate (TI-SS-1/TI-IA-1; TI-SS-2/TI-IA-2; TI-SS-3/TI-IA-3; TI-SS-5/TI-IA-5; TI-SS-6/TI-IA-6)
Methylene chloride	B	60	ug/m3	--	**4760 E**	--	**3610 E**	--	--	--	**1950 E**	--	**1720 E**	--	**1670**	--	
3-Chloropropene	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Carbon disulfide	-	NS	ug/m3	ND	ND	ND	ND	1.43	ND	2.39	ND	ND	ND	ND	ND	ND	
Freon-113	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
trans-1,2-Dichloroethene	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,1-Dichloroethane	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Methyl tert butyl ether	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2-Butanone	-	NS	ug/m3	11.9	ND	12.8	ND	18.5	ND	56.6	ND	7.11	ND	5.63	ND	ND	
cis-1,2-Dichloroethene	A	NS	ug/m3	6.78	1.26	3.1	1.27	1.78	4.6	ND	0.444	ND	0.341	ND	0.337	ND	Mitigate (TI-SS-1/TI-IA-1) Identify sources and resample or mitgate (TI-SS-2/TI-IA-2; TI-SS-3/TI-IA-3)
Ethyl Acetate	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Chloroform	-	NS	ug/m3	16.3	2.98	8.06	2.91	6.1	10.4	1.21	1.23	ND	0.996	1.74	ND	ND	
Tetrahydrofuran	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	1.52	ND	ND	ND	ND	ND	ND	
1,2-Dichloroethane	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
n-Hexane	-	NS	ug/m3	1.06	21.5	ND	13.9	4.05	0.715	16.5	8.21	0.726	7.54	1.29	6.91	ND	
1,1,1-Trichloroethane	B	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	No further action
Benzene	-	NS	ug/m3	0.981	1.72	ND	1.6	0.738	ND	ND	2.42	ND	2.38	0.914	2.25	0.744	
Carbon tetrachloride	A	NS	ug/m3	ND	0.535	ND	0.491	ND	0.478	ND	0.535	ND	0.472	ND	0.497	0.472	No further action
Cyclohexane	-	NS	ug/m3	ND	0.785	ND	0.737	3.43	ND	28	1.07	0.75	1.09	ND	0.922	ND	
1,2-Dichloropropane	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Bromodichloromethane	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,4-Dioxane	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	1.55	ND	ND	ND	ND	ND	ND	
Trichloroethene	A	2	ug/m3	4.85	0.844	3.27	0.844	1.66	**2.85**	2.89	0.333	ND	0.274	ND	0.231	ND	Identify sources and resample or mitigate (TI-SS-3/TI-IA-3)
2,2,4-Trimethylpentane	-	NS	ug/m3	ND	1.14	ND	1.12	ND	ND	ND	1.71	ND	1.75	ND	1.49	ND	
Heptane	-	NS	ug/m3	1.91	1.49	1.18	1.33	13.3	ND	89.3	1.82	1.06	1.76	1.16	1.53	ND	
cis-1,3-Dichloropropene	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
4-Methyl-2-pentanone	-	NS	ug/m3	3.4	ND	ND	ND	3.09	ND	ND	ND	ND	ND	ND	ND	ND	
trans-1,3-Dichloropropene	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,1,2-Trichloroethane	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Toluene	-	NS	ug/m3	13.6	18.8	13.2	14.3	2.51	1.55	40.3	10.8	4.48	9.5	5.92	8.4	ND	
2-Hexanone	-	NS	ug/m3	12.3	ND	6.72	ND	1.33	ND	ND	ND	6.07	ND	5.66	ND	ND	
Dibromochloromethane	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,2-Dibromoethane	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Tetrachloroethene	B	30	ug/m3	41.4	7.59	43.8	7.46	27.2	26	10.6	2.9	28.1	2.29	12.6	2.02	0.156	Identify sources and resample or mitigate (TI-SS-3/TI-IA-3)
Chlorobenzene	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Ethylbenzene	-	NS	ug/m3	1.75	ND	1.24	ND	ND	ND	2.7	1.03	0.973	0.986	1.43	ND	ND	
p/m-Xylene	-	NS	ug/m3	6.95	2.1	5.47	2.05	2.39	ND	7.38	3.32	3.98	3.23	6.12	2.65	ND	
Bromoform	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Styrene	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	1.13	ND	ND	ND	ND	ND	ND	
1,1,2,2-Tetrachloroethane	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
o-Xylene	-	NS	ug/m3	2.76	ND	2.21	ND	1.02	ND	3.35	1.17	1.73	1.12	2.38	0.947	ND	
4-Ethyltoluene	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,3,5-Trimethylbenzene	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,2,4-Trimethylbenzene	-	NS	ug/m3	2.48	ND	2.79	ND	1.46	ND	2.86	1.19	1.92	1.14	2.65	ND	ND	
Benzyl chloride	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,3-Dichlorobenzene	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	

Table 3b. Volatile Organic Compounds in Sub-Slab Soil Vapor and Indoor Air - February 2022
2921 Westchester Avenue
BCP Site No. C203140

LOCATION	NYSDOH Matrix	NYSDOH AGV	Units	TI-SS-1	TI-IA-1	TI-SS-2	TI-IA-2	TI-SS-3	TI-IA-3	TI-SS-4	TI-IA-4	TI-SS-5	TI-IA-5	TI-SS-6	TI-IA-6	AA-3	Matrix Action
SAMPLING DATE				2/24/2022	2/24/2022	2/24/2022	2/24/2022	2/24/2022	2/24/2022	2/24/2022	2/24/2022	2/24/2022	2/24/2022	2/24/2022	2/24/2022	2/24/2022	
LAB SAMPLE ID				L2210179-01	L2210179-02	L2210179-03	L2210179-04	L2210179-05	L2210179-06	L2210179-07	L2210179-08	L2210179-09	L2210179-10	L2210179-11	L2210179-12	L2210179-13	
				Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	
Volatile Organic Compounds																	
1,4-Dichlorobenzene	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,2-Dichlorobenzene	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,2,4-Trichlorobenzene	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Hexachlorobutadiene	-	NS	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	

Notes:

Shaded blue value indicates "Identify sources and resample or mitigate" Matrix Decision

Shaded orange value indicates "Mitigate" Matrix Decision

Bold value indicates concentration exceeds NYSDOH AGVs

NYSDOH AGVs = New York State Department of Health Air Guideline Values, Table 3.1 in NYSDOH Soil Vapor Guidance, October 2006 with May 2017 updates

Only indoor air concentrations are compared to NYSDOH AGVs

ND = Not detected

NS = No standard

E = Concentration exceeds the calibration range of the instrument

Table 4. Volatile Organic Compounds in Exterior Soil Vapor
2921 Westchester Avenue
BCP Site No. C203140

LOCATION	Units	SV-1	SV-2	SV-3	AA-2
SAMPLING DATE		7/20/2021	7/20/2021	7/20/2021	7/20/2021
LAB SAMPLE ID		L2138922-01	L2138922-02	L2138922-03	L2138922-04
		Qual	Qual	Qual	Qual
Volatile Organics in Air					
Dichlorodifluoromethane	ug/m3	**2.37**	ND	ND	2.34
Chloromethane	ug/m3	1.02	ND	ND	1.13
Freon-114	ug/m3	ND	ND	ND	ND
Vinyl chloride	ug/m3	ND	ND	ND	ND
1,3-Butadiene	ug/m3	**1.6**	ND	**9.76**	ND
Bromomethane	ug/m3	ND	ND	ND	ND
Chloroethane	ug/m3	**3.35**	**4.14**	**17.4**	ND
Ethanol	ug/m3	**309**	**146**	**249**	12.5
Vinyl bromide	ug/m3	ND	ND	ND	ND
Acetone	ug/m3	**877**	**570**	**967**	14.6
Trichlorofluoromethane	ug/m3	ND	ND	ND	1.15
Isopropanol	ug/m3	**32.7**	**16**	**24.6**	4.42
1,1-Dichloroethene	ug/m3	ND	ND	ND	ND
Tertiary butyl Alcohol	ug/m3	ND	ND	ND	ND
Methylene chloride	ug/m3	ND	ND	ND	ND
3-Chloropropene	ug/m3	ND	ND	ND	ND
Carbon disulfide	ug/m3	**6.79**	**106**	**18.8**	ND
Freon-113	ug/m3	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/m3	**6.3**	**5.04**	ND	ND
1,1-Dichloroethane	ug/m3	ND	ND	ND	ND
Methyl tert butyl ether	ug/m3	ND	ND	ND	ND
2-Butanone	ug/m3	**31**	**956**	**1590**	1.95
cis-1,2-Dichloroethene	ug/m3	ND	ND	ND	ND
Ethyl Acetate	ug/m3	**4.14**	ND	ND	ND
Chloroform	ug/m3	**3.56**	**26.7**	ND	ND
Tetrahydrofuran	ug/m3	**9.02**	ND	ND	3.51
1,2-Dichloroethane	ug/m3	ND	ND	ND	ND
n-Hexane	ug/m3	**26.2**	**27.4**	**91.3**	ND
1,1,1-Trichloroethane	ug/m3	ND	ND	ND	ND
Benzene	ug/m3	**4.25**	ND	ND	1.38
Carbon tetrachloride	ug/m3	ND	ND	ND	ND
Cyclohexane	ug/m3	**19.2**	**22.7**	**73.7**	ND
1,2-Dichloropropane	ug/m3	ND	ND	ND	ND
Bromodichloromethane	ug/m3	ND	ND	ND	ND
1,4-Dioxane	ug/m3	ND	ND	ND	ND
Trichloroethene	ug/m3	ND	ND	ND	ND
2,2,4-Trimethylpentane	ug/m3	**1.84**	ND	ND	ND
Heptane	ug/m3	**12.5**	**6.56**	**16.3**	ND
cis-1,3-Dichloropropene	ug/m3	ND	ND	ND	ND
4-Methyl-2-pentanone	ug/m3	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/m3	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/m3	ND	ND	ND	ND
Toluene	ug/m3	**10.3**	**7.5**	**8.55**	2.41
2-Hexanone	ug/m3	**7.46**	**77**	**109**	ND
Dibromochloromethane	ug/m3	ND	ND	ND	ND
1,2-Dibromoethane	ug/m3	ND	ND	ND	ND
Tetrachloroethene	ug/m3	**2.32**	**17.2**	ND	ND
Chlorobenzene	ug/m3	ND	ND	ND	ND
Ethylbenzene	ug/m3	**3.47**	ND	ND	ND
p/m-Xylene	ug/m3	**14.5**	**12.3**	ND	ND
Bromoform	ug/m3	ND	ND	ND	ND
Styrene	ug/m3	**2.83**	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/m3	ND	ND	ND	ND
o-Xylene	ug/m3	**6.08**	**5.52**	ND	ND
4-Ethyltoluene	ug/m3	ND	ND	ND	ND
1,3,5-Trimethylbenzene	ug/m3	ND	ND	ND	ND
1,2,4-Trimethylbenzene	ug/m3	**3.88**	ND	ND	ND
Benzyl chloride	ug/m3	ND	ND	ND	ND
1,3-Dichlorobenzene	ug/m3	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/m3	**2.07**	ND	ND	ND
1,2-Dichlorobenzene	ug/m3	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ug/m3	ND	ND	ND	ND
Hexachlorobutadiene	ug/m3	ND	ND	ND	ND

Notes:

Bold and shaded yellow value indicates soil vapor concentration exceeds AA-2 concentration

ND = Not detected

Appendix A
February 2021 Remedial Investigation Work Plan

2921 Westchester Avenue
Remedial Investigation Work Plan

2921 Westchester Avenue
Bronx, NY
Bronx County
Block 4164, Portion of Lot 5
BCP Site No. C203140

Submitted to:
New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 2
Hunters Point Plaza
47-40 21st Street
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Prepared for:
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FEBRUARY 2021

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CERTIFICATION

I, Alana Carroll, certify that I am currently a Qualified Environmental Professional as defined in 6NYCRR Part 375 and that this Remedial Investigation Work Plan was prepared in accordance with all applicable statues and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10).

Alana Carroll

Alana Carroll, PG

02/03/2021

Date

1.0 INTRODUCTION

On behalf of Ralford Realty Corp. (the Participant), Tenen Environmental, LLC (Tenen) has prepared this Remedial Investigation Work Plan (RIWP) for the property located at 2921 Westchester Avenue (Block 4164, Portion of Lot 5) in the Pelham Bay neighborhood of the Bronx, New York (the Site) pursuant to the Brownfield Cleanup Agreement (October 2020) for BCP Site No. 203140. The Site location and layout are shown on Figures 1 and 2, respectively. The RIWP has been designed to further investigate and characterize the nature and extent of contamination previously identified on the Site. The scope of work includes investigation of subsurface soils, soil and sub-slab vapor and groundwater in areas where historical operations potentially impacted the Site or surrounding areas. The results of the investigation will be used to prepare a Remedial Investigation Report (RIR) and qualitative human health exposure assessment (QHHEA) and to support the development of a Remedial Action Work Plan (RAWP). This RIWP has been prepared in accordance with the New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation (DER) Technical Guidance for Site Investigation and Remediation (DER-10, May 3, 2010).

1.1 Work Plan Organization

This RIWP includes an introduction (Section 1), background information (Section 2), scope of work (Section 3) and project schedule (Section 4). Quality assurance/quality control, health and safety (including community air monitoring), and project team information are addressed in separate appendices. Supporting tables and figures referenced throughout are included at the end of this RIWP.

1.2 Summary of Previous Investigations

A Phase II Environmental Site Assessment (Phase II ESA) was completed at the Site by Castleton Environmental (Castleton) in August 2019 to investigate the potential for contamination associated with historical Site operations. The Phase II ESA included soil, groundwater, and soil vapor sampling and revealed the presence of chlorinated solvents, specifically the chlorinated volatile organic compounds (cVOCs) tetrachloroethene (PCE), trichloroethene (TCE), and cis-1,2-dichloroethene (cis-1,2-DCE) in soil, groundwater, and soil vapor beneath the Site. cVOCs were detected in exceedance of applicable standards in one of three soil samples collected and all three groundwater samples collected. cVOCs were also detected at elevated concentrations in two of three soil vapor samples collected.

Soil, groundwater, and indoor air sampling was completed by Tenen to further investigate the presence of chlorinated solvents in soil and groundwater at the Site and to determine if a potential soil vapor intrusion condition exists. Tenen's initial investigation was conducted between September and November 2019. On February 27, 2020, Tenen returned to the Site to delineate the extent of PCE contamination identified in soil boring SB-05 in Castleton's Phase II ESA. This investigation included the collection of twenty-two onsite and one offsite soil samples, one onsite and two offsite groundwater samples, and two onsite and three offsite indoor air samples. The investigation confirmed the presence of cVOCs in exceedance of applicable standards in nine of sixteen onsite soil samples analyzed and the one onsite groundwater sample analyzed. Chlorinated solvents were not detected in exceedance of applicable standards in any offsite soil or groundwater samples analyzed. Low concentrations of cVOCs were detected in all onsite and offsite indoor air samples analyzed, with the highest concentrations occurring in the sample collected from the basement of the Site. A PCE hotspot in soil was horizontally and vertically delineated to the extent possible within the Site basement. The hotspot comprises approximately seven cubic yards of chlorinated solvent impacted material. A map depicting previous sample locations is included as Figure 4.

1.3 Regulatory Interaction

A Brownfield Cleanup Program (BCP) application was submitted for the Site to NYSDEC DER in conjunction with this RIWP in June 2020. Following a 30-day public comment period, a Brownfield Cleanup Agreement (BCA) will be executed by the Participant and NYSDEC. The work to be performed under this RIWP, as well as, all future remedial work, will be performed in accordance with the requirements set forth in the BCA.

1.4 Work Plan Objectives

This RIWP has been developed to achieve the following BCP objectives:

- To define the nature and extent of contamination on-site and off-site;
- To identify if residual contaminant source areas are present on the Site;
- To delineate the extent of a tetrachloroethene (PCE) hotspot in soil, identified in previous investigations;
- To collect data sufficient to perform an on-site and off-site Qualitative Human Health Exposure Assessment; and
- To produce data of sufficient quantity and quality to prepare a Remedial Action Work Plan (including alternatives analysis) to support the remediation of the Site if it is determined that remedial action is needed.

2.0 BACKGROUND

This section includes a description of the Site and surrounding uses, a summary of the proposed Site development, Site characteristics, and information regarding historical operations and regulatory interactions. Summaries of previous Site investigations are also provided.

2.1 Site Description and Surrounding Uses

The Site is located at 2921 Westchester Avenue in the Pelham Bay neighborhood of the Bronx, New York. The Site is defined as an approximate 1,415 square foot (SF) vacant tenant space which is a portion of an irregularly shaped parcel, identified by the New York City Department of Finance as Block 4164, Lot 5. The Site is located on the west side of Westchester Avenue, between Pilgrim Avenue and Buhre Avenue, in Bronx Community Board 10 and was historically occupied by a drycleaner.

Lot 5 is improved with one two-story commercial building with a partial basement. The building contains multiple commercial tenant spaces currently occupied by a barber, , a cell phone store and a flooring store. The Site was historically occupied by a drycleaner and most recently, a tutoring and after-school center. Basements extend beneath the entirety of the Site and directly adjacent barber and cell phone store tenant spaces. These basement spaces share a common slab, but are separated by walls. The northwestern portion of the flooring store footprint contains a small sub-cellar consisting of a boiler room, the remainder of the flooring store footprint consists of a slab on grade. The commercial layout and cellar layout of the Site lot are depicted on Figures 2 and 3, respectively. The Site consists of one vacant tenant space within the building and the portion of the basement directly below. The Site is zoned R7-1, denoting a medium density apartment house district, with a C2-2 commercial overlay.. The area surrounding the Site is predominantly commercial and residential.

2.2 Proposed Development

There is currently no redevelopment plan for the Site. Redevelopment and/or possible remediation without redevelopment will be addressed in the Remedial Action Work Plan to be submitted to NYSDEC subsequent to the implementation of the Remedial Investigation and submission of the RIR.

2.3 Site Characteristics

<u>Site Topography</u>
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 45 feet above mean sea level (msl). The Site is located in a relatively flat area and gently slopes to the west.

<u>Site Geology and Hydrogeology</u>
The overburden at the Site is composed predominantly of native dense, fine silty sands extending to bedrock (approximately 3 to 4 feet below basement grade [ft-bbg]). Bedrock consists of schist and perched water is present above the bedrock. Perched water was detected at depths ranging from approximately 9 to 10 feet below sidewalk grade (ft-bsg) and 0.16 ft-bbg in permanent groundwater wells installed during the Due Diligence Investigation (DDI) performed by Tenen. Based upon the well survey conducted as part of the DDI investigation, groundwater generally flows south-southwest.

2.4 Historical Operations

Lot 5 was initially developed sometime prior to 1950 with the existing two-story building with a partial basement. The Site operated as a dry-cleaning facility from circa 1988 to circa 2000. Following the cessation of dry-cleaning operations, the Site was occupied for approximately five years by Tristate Interiors and then as a tutoring and after-school facility until early 2020 As noted, the Site is currently vacant.

2.5 Previous Investigations

Previous assessments and investigations include a 2019 Phase II ESA conducted by Castleton and a 2019/2020 Due Diligence Investigation conducted by Tenen.

Copies of available environmental records and reports are included in their entirety, as received, in Appendix A. A map depicting previous sample locations is included as Figure 4. The results of historical sampling are summarized on Figures 6-8 and included in their entirety in the Tables provided in Appendix A. Findings and conclusions from these reports are summarized in the following sections. Conclusions from the Castleton Phase II ESA and are not necessarily representative of Tenen's professional opinion.

2.5.1 Phase II Environmental Site Assessment, 2925 Westchester Avenue, Bronx, NY 10461, Castleton Environmental, August 2019.

A Phase II ESA was completed at the Site by Castleton Environmental in 2019 as part of a prospective purchaser's due diligence to investigate the potential for contamination associated with the historical use of the Site for dry cleaning. The Phase II ESA included the advancement of five soil borings, the collection of three soil samples, the installation of three temporary well points, the collection of three groundwater samples, the installation of three temporary soil vapor points, and the collection of three sub-slab soil vapor samples.

<u>Soil Results</u>
Results of the soil sampling indicated concentrations of several chlorinated VOCs (cVOCs), specifically tetrachloroethene (PCE), trichloroethene (TCE), and cis-1,2-dichloroethene (cis-1,2-DCE), in exceedance of their respective NYSDEC 6 NYCRR Part 375-6.8(a) Unrestricted Use (UU) Soil Cleanup Objectives (SCOs) and Part 375-6.8(b) Protection of Groundwater (PGW) SCOs in one of three samples collected.

<u>Groundwater Results</u>
Results of the groundwater sampling indicated concentrations of several cVOCs, specifically PCE, TCE, and cis-1,2-DCE, in exceedance of their NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values (Class GA Standards) in all three samples collected.

<u>Soil Vapor Results</u>
Results of the sub-slab soil vapor sampling indicated elevated concentrations of several cVOCs, specifically PCE, TCE, and cis-1,2-DCE, in two of three samples collected.

2.5.2 Due Diligence Investigation Letter Report, 2921 Westchester Avenue, Bronx, NY 10461, Tenen Environmental, LLC, May 2020.

A Due Diligence Investigation was conducted on and off the Site by Tenen between September 2019 and

February 2020 to further investigate the contamination identified in soil, groundwater, and soil vapor in Castleton's Phase II ESA so as to provide additional information to assist in the sale of the Site. Soil, groundwater, and indoor air sampling was completed by Tenen to further investigate the presence of chlorinated solvents in soil and groundwater at the Site and to determine if a potential soil vapor intrusion condition exists. The DDI consisted of the advancement of ten soil borings, the collection of 22 onsite soil samples and one offsite soil sample, the installation of three permanent groundwater monitoring wells (one onsite and two offsite), the collection of three groundwater samples, and the collection of two onsite indoor air samples (first floor and basement) and three offsite indoor air samples (separate tenant spaces within the building on Lot 5). A well survey was conducted at the Site as part of this investigation and groundwater was determined to flow to the south-southwest. A groundwater contour map is included as Figure 5.

Soil Results

Soil results were compared to NYSDEC PGW and RCU SCOs as listed in 6 NYCRR Part 375-6.8(b) and the October 21, 2010 NYSDEC DEC Policy CP-51. The PGW SCOs are used as a screening value for potential groundwater impacts and the RCU SCOs are consistent with the current and assumed future use of the Site.

All VOCs and metals were detected below the PGW and RCU SCOs in offsite soil sample MW-1 (16-18). All VOCs were detected below RCU SCOs in soil samples collected onsite.

PCE was detected in exceedance of its PGW SCO from 0-1 ft-bbg in soil delineation boring SB-5 (concentration 3.2 mg/kg), SB-5-N (concentration 34 mg/kg), SB-5-S (concentration 1.7 mg/kg), SB-5-W (concentration 20 mg/kg), and SB-5-W2 (concentration 8.1 mg/kg). PCE was detected at a low concentration below the PGW SCO from 0-1 ft-bbg in soil delineation boring SB-5-E. PCE was detected in exceedance of its PGW SCO from 1-2 ft-bbg in soil delineation borings SB-5-N (concentration 22 mg/kg) and SB-5-W (concentration 16 mg/kg). PCE was detected at low concentrations below the PGW SCO from 1-2 ft-bbg in soil delineation borings SB-5, SB-5-S, and SB-5-W2. PCE was detected in exceedance of its PGW SCO from 2-3 ft-bbg in soil delineation boring SB-5-W, only (concentration 7 mg/kg). PCE was detected at low concentrations below the PGW SCO from 2-3 ft-bbg in soil delineation borings SB-5, SB-5-N, and SB-5-S. PCE was also detected at a low concentration below the PGW SCO from 3-4 ft-bbg in soil delineation boring SB-5.

Concentrations of cis-1,2 DCE and TCE were detected in exceedance of their respective PGW SCO in five samples collected from three borings: SB-5(0-1ft); SB-5-N(0-1 ft, 1-2 ft and 2-3 ft); and SB-5-W(0-1ft)

Groundwater Results

Groundwater results were compared to NYSDEC TOGS Class GA Standards. Results of the groundwater sampling indicated concentrations of chlorinated solvents, specifically PCE, TCE, and cis-1,2-DCE in exceedance of Class GA Standards in the groundwater sample collected from the basement of the Site. PCE was detected at a concentration of 470 micrograms per liter (ug/l); TCE was detected at a concentration of 79 ug/l; and, cis-1,2-DCE was detected at a concentration of 210 ug/l. PCE, TCE and cis-1,2-DCE all have a Class GA Standard of 5 ug/l.

All cVOCs were detected below the Class GA Standards in the two offsite, permanent monitoring wells samples.

Indoor Air Results

Indoor air results were compared to the NYSDOH Air Guidance Values (AGVs) as presented in the NYSDOH Soil Vapor Guidance, October 2006 with May 2017 updates and the Environmental Protection Agency (EPA) Vapor Intrusion Screening Limits (VISL), Commercial Target Indoor Air Concentrations

(TIAC). Results of the indoor air sampling indicated that concentrations of VOCs were not detected in exceedance of NYSDOH AGVs in any onsite or offsite indoor air samples collected. However, low concentrations of cVOCs were detected in all five indoor air samples collected, with the highest concentrations generally occurring in the sample collected from the basement of the Site.

2.6 Summary of Previous Investigations

Based on investigations conducted to date at the Site, the primary contaminants of concern for the Site are cVOCs[1].

Soil

Concentrations of cVOCs in soil were detected in ten of 20 samples collected and analyzed as part of the Castleton and Tenen investigations in exceedance of respective UU and PGW SCOs. All soil samples met RCU SCOs. During Tenen's investigation, a PCE hotspot in soil was horizontally and vertically delineated to the extent possible within the Site basement. The hotspot comprises approximately seven cubic yards of chlorinated solvent impacted material. The vertical extent of contamination ranges from 1 ft-bbg along the eastern and southern perimeters of the hotspot, to 2 ft-bbg along the northern perimeter of the hotspot, to bedrock (approximately 3 ft-bbg) along the western perimeter of the hotspot. Access to the northern tenant's basement space is necessary to fully delineate the hotspot to the north. Additional delineation is also needed to the west. A cross section of the hot spot is provided as Figure 9; a PCE isopleth for soil is provided as Figure 10. VOCs and metals were not detected in exceedance of PGW or RCUSCOs in soils collected offsite.

Groundwater

The results of the groundwater sampling indicated that concentrations of cVOCs are present in groundwater at concentrations above Class GA Standards in all four onsite groundwater samples collected as part of the Castleton and Tenen investigations. cVOCs were not detected in exceedance of Class GA Standards in offsite wells MW-1 or MW-2, located cross- and downgradient of the Site, respectively.

Indoor Air

Based upon comparison of the detected concentrations of chlorinated solvents and petroleum-related hydrocarbons in indoor air to applicable standards and guidance, there is no meaningful soil vapor intrusion condition at the Site that would require immediate action. Comparison of the indoor air concentrations (specifically cVOCs) collected from the Site with soil vapor concentrations collected during Castleton's Phase II ESA indicate that a cVOC vapor intrusion condition does not exist onsite and that no mitigation is required. Indoor air results are consistent with the commercial use of the Site.

[1] A DUSR and EDDs will be provided in the RIR for data collected during the Due Diligence Investigation and, insofar as available, the Castleton Phase II ESA.

3.0 REMEDIAL INVESTIGATION

The Remedial Investigation (RI) proposed for the Site includes sampling of soil, sub-slab soil vapor, exterior soil vapor, indoor air, ambient air and groundwater. The objectives of this RI are to define the nature and extent of contamination onsite; to determine if onsite contamination is migrating offsite; and to provide data of sufficient quantity and quality to support development of a Remedial Investigation Report (RIR), Qualitative Human Health Exposure Assessment (QHHEA) and Remedial Action Alternatives Analysis.

This RIWP was developed to meet the following Site-specific objectives:

- Confirm prior investigation results;
- Delineate the horizontal and vertical extent of cVOCs in soil and groundwater beneath the Site;
- Evaluate bedrock conditions beneath the Site;
- Identify the extent of onsite and offsite (if present) soil vapor impacts, specifically those related to chlorinated solvents;
- Evaluate potential sources of contamination, the migration pathways, and actual or potential receptors of contaminants on or through soil, groundwater and soil vapor;
- Evaluate potential off-site impacts to soil, groundwater and soil vapor;
- Assess potential upgradient sources of chlorinated solvent impacts in groundwater;
- Investigate potential indoor air impacts inside the basement of the Site building;
- Assess potential impacts to human health as a result of the release of contaminants at the Site.

3.1 Scope of Remedial Investigation

The scoping process, for the purpose of identifying and defining the RI tasks described below, included the following:

- Review of current and historical Site reports and data;
- Review of results from the 2019 Phase II ESA and 2019/2020 Due Diligence Investigation; and
- Evaluation of DER-10 requirements and relevant State and Federal guidance documents.

The RI will begin following completion of the required 30-day public comment period and after NYSDEC approval of this RIWP. The RI will include the collection of 39 samples from 13 soil borings, installation of four permanent groundwater monitoring wells (three shallow wells and one bedrock well), collection of seven groundwater samples from three previously installed and four newly installed groundwater monitoring wells, collection of soil vapor from seven sub-slab soil vapor points and three exterior soil vapor points, within and surrounding the Site, the collection of seven indoor air samples, to be co-located with sub-slab soil vapor samples, and the collection of three ambient air samples. The type, location, and rationale for each exploration are detailed in the sections below and in summary table included in Section 3.6.

A walkthrough of all tenant basement spaces for the building located on Block 4164, Lot 5 (inclusive of the Site) was conducted on November 24, 2020 to evaluate and measure each space for sample location placement and accuracy. As a result of the walkthrough, updated figures have been prepared and the Site

was determined to be larger in size (1,415-SF) than originally reported. In response to this new information, all proposed soil delineation sample locations have been adjusted and additional onsite soil characterization borings have been proposed for Site coverage.

Installation of soil borings, groundwater monitoring wells and soil vapor will be completed in accordance with the sections below and the standard procedures included in the Quality Assurance Project Plan (QAPP) and Health and Safety Plan (HASP), included as Appendix B and C, respectively. Following the collection of this data, review and evaluation will be performed in order to determine if additional investigation is needed.

Proposed soil and groundwater RI sample locations are shown on Figure 11a.Proposed soil vapor and indoor air RI sample locations are shown on Figure 11b.

3.2 Soil Sampling

A subsurface investigation will be performed to further characterize soil conditions onsite, to complete the horizontal and vertical delineation of documented chlorinated solvent impacts onsite and to assess soil conditions offsite.

The following scope of work will be implemented:

- Advance twelve soil borings to bedrock (approximately 3 to 4 ft-bbg) within the Site basement to complete the northern and western horizontal and vertical delineation of the cVOC hot spot identified in previous investigations and complete characterization of the Site to the east, south and southwest;
    - If any delineation boring located along the northern border of the Site (SB-7 through SB-9) is not accessible due to the presence of foundation elements or other unknown impediments, then that boring will be relocated to the adjacent Boost Mobile basement and advanced along the southern boundary of that space.
- Advance one soil boring offsite in the sidewalk along Pilgrim Avenue to bedrock (approximately 20 ft-bsg) to assess offsite soil conditions;
- Collect 10 soil samples (two from each characterization boring) from five soil characterization borings advanced east, south and southwest within the Site basement (SB-2, SB-3, SB-11, SB-12, and SB-13). Soil samples will be collected from the two-foot interval directly below the basement slab and the two-foot interval directly above bedrock;
- Collect 28 soil samples from seven soil delineation borings advanced within the Site basement to the north, west, south, and southwest (SB-1 and SB-4 through SB-9). Soil delineation samples will be collected from each one-foot interval of the soil column, from directly below the basement slab to the top of bedrock (approximately 3 to 4 ft-bbg). Soil delineation samples will be analyzed if evidence of contamination (e.g., elevated PID readings, odors, and/or staining) is observed. All soil delineation samples without evidence of contamination will be placed on hold. If an analyzed sample contains concentrations of cVOCs in excess of applicable standards, then the interval below the sample will be analyzed (VOCs, only) until a clean interval is reached;
- Collect one soil sample from the offsite soil boring advanced in the sidewalk from the zone of highest suspected contamination. If no visual contamination is observed, the sample will be collected from the two-foot interval above the groundwater interface;

- Analyze soil samples collected onsite for full scan Part 375 SCOs, 1,4-dioxane, and perfluoroalkyl acids (PFAS) (minimum of two per boring); and
- Analyze all samples collected offsite for Part 375 VOCs.

3.2.1 Soil Sampling Methodology

A total of 13 soil borings will be advanced as part of this RI; proposed soil sample locations are shown in Figure 11a. Based on field measurements and observations, boring locations may be moved or added. Prior to modifications being made with regard to the above-described placement, coordination with NYSDEC will take place.

The interior soil borings will be installed using a manual sampling hammer and the exterior soil boring will be installed using a direct-push track-mounted Geoprobe® unit. All borings will be advanced to bedrock (approximately 3-4 ft-bbg, 20 ft-bsg). Soil samples will be collected from three- or five-foot macrocores fitted with dedicated acetate liners.

At each location, the liners for each interval will be opened and the soil screened for VOCs using a 10.6 electron-volt (EV) photoionization detector (PID). The soil retrieved from each sampler will be described by Tenen field staff on boring logs using the Unified Soil Classification System. All observations regarding potential contamination such as odors, staining, etc. will be documented. Soil will be screened from grade to the terminal depth of each boring. If evidence of contamination (e.g., elevated PID readings, odor) or staining is observed, the soil boring will be extended, to the extent possible based on the equipment, to delineate the vertical extent of contamination. All descriptions and observations will be documented in a field logbook.

For each soil delineation boring, SB-1 and SB-4 through SB-9, samples will be collected from each one-foot interval of the soil column, from directly below the basement slab to the top of bedrock (approximately 3 to 4 ft-bbg) and analyzed if evidence of contamination (e.g., elevated PID readings, odors, and/or staining) is observed. If soil delineation borings SB-7, SB-8, and SB-9 cannot be installed in the Site basement due to foundational elements, these borings will instead be installed in the north adjoining basement. All soil delineation samples without evidence of contamination will be placed on hold. If an analyzed sample contains concentrations of cVOCs in excess of applicable standards, then the next interval will be analyzed (VOCs, only) until a clean interval is reached. Samples will be analyzed with a rushed turn-around time (24 hour), as needed, in order to meet the 14-day holding time required for VOC analysis. A minimum of two soil samples will be analyzed from borings located onsite. Analysis of soil samples collected from offsite soil delineation samples (if any) will terminate when a clean interval is present. For each characterization boring (SB-2, SB-3, SB-11, SB-12, and SB-13), soil samples will be collected from the two-foot interval directly below the basement slab and the two-foot interval directly above bedrock. For the exterior offsite soil boring, one soil sample will be collected from the interval of highest suspected contamination based upon PID readings, visual and olfactory methods. If no contamination is observed, the sample will be collected from the two-foot interval directly above the groundwater interface.

Soil samples selected for laboratory analysis will be collected directly from the acetate liner, placed in pre-cleaned, pre-preserved laboratory-provided sample bottles or En Core samplers (En Novative Technologies), sealed and labeled, and placed in a cooler and chilled to 4ºC for transport under chain-of custody procedures. Soil samples will be submitted to a New York State Department of Health (NYSDOH) ELAP-certified laboratory via courier service and analyzed for the respective analyte lists included in 6

NYCRR Part 375 SCOs. Laboratory analytical parameters and methods are outlined below. QA/QC procedures to be followed are described in the QAPP included as Appendix B.

A minimum of two soil samples collected from each onsite boring will be analyzed for the following analytes on the Part 375 list with a Category B deliverable package:

- Target Compound List (TCL) VOCs by EPA Method 8260C;
- TCL SVOCs by EPA Method 8270D;
- Pesticides by EPA Method 8081B;
- Herbicides by EPA Method 8151A;
- Polychlorinated Biphenyls (PCBs) by EPA Method 8082A;
- Target Analyte List (TAL) Metals by EPA Method 6010C/7471B;
- Total Cyanide by EPA Method 9010C;
- Trivalent and Hexavalent Chromium by EPA Method 3060A;
- PFAS by USEPA Method 537 Modified; and
- 1,4-Dioxane by USEPA Method 8270.

All offsite samples will be analyzed for the following analytes on the Part 375 list with a Category B deliverable package:

- TCL VOCs by EPA Method 8260C.

A summary table of proposed soil samples and sampling rationale is included in Section 3.6 of this Work Plan.

3.3 Sub-slab Vapor, Soil Vapor, and Indoor Air Sampling

The following scope of work is proposed to determine the extent of impacts and potential for exposure to Site contaminants by way of the soil vapor intrusion pathway both on- and offsite.

The following scope of work will be implemented:

- Install seven sub-slab soil vapor sample points within the building on Lot 5. Two soil vapor sample probes will be installed within the Site basement, two will be installed within the northern adjoining basement (cell phone store), two will be installed within the southern adjoining basement (barber shop), and one will be installed within the basement of the home goods store, to the northwest of the Site. The soil vapor sample probes will be installed within the lowest building level no more than two inches below the building slab. These locations will be co-located with indoor air samples collected at the same time;
- Install three offsite exterior soil vapor points to approximately ten ft-bg (anticipated basement depth) to assess offsite soil vapor conditions. Two soil vapor points will be installed within the western sidewalk of Pilgrim Avenue and one soil vapor point will be installed within the eastern sidewalk of Westchester Avenue. All soil vapor points will be installed within sidewalks adjacent to residential housing;
- One outdoor ambient air sample will be collected for each sub-slab and soil vapor sampling event, for a total of three samples; and,

- Analyze sub-slab vapor, soil vapor, indoor air, and ambient air samples for EPA Method TO-15 VOCs.

3.3.1 Sub-slab Vapor and Soil Vapor Sampling Methodology

A total of seven sub-slab soil vapor samples, three exterior soil vapor samples, seven co-located indoor air samples and three outdoor ambient air samples will be collected as part of this RI. Samples will be collected in accordance with the NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York (Soil Vapor Guidance, October 2006 with updates). Two sub-slab soil vapor samples and co-located indoor air samples will be collected from the Site basement, two sub-slab soil vapor samples and co-located indoor air samples will be collected from the northern adjoining basement (cell phone store), two sub-slab soil vapor samples and co-located indoor air samples will be collected from the southern adjoining basement (barber), and one sub-slab soil vapor sample and co-located indoor air sample will be collected from the basement of the home goods store, to the northwest of the Site. Three exterior soil vapor samples will be collected from sidewalks surrounding the Site where residential housing exists. Figure 11b depicts proposed soil vapor and indoor air sample locations.

Temporary sub-slab soil vapor points will be installed using a hand-held hammer drill with a concrete drill bit. The drill bit will be extended a maximum two inches below the floor slab for sub-slab soil vapor samples.

A Geoprobe® direct push machine will be used to install the exterior soil vapor sampling probes. At each soil vapor sampling location, access to the subsurface soil will be gained by drilling through the top surface material (concrete) using a drill bit. Upon penetration through the surface material, a disposable sampling probe consisting of a 1.5-inch long hardened point and a 6-inch long perforated vapor intake will be installed to a depth of ten ft-bg.

At the terminal depth of sub-slab and soil vapor locations, the sample probe will be attached to ¼-inch diameter Teflon® tubing and extended to the surface. The borehole above the sampling probe to grade will be sealed using an inert sealant to prevent ambient air mixing with the soil vapor. Ambient air will be purged from the boring hole by attaching the surface end of the ¼-inch diameter Teflon® tube to an air valve and then to a vacuum pump. The vacuum pump will remove no more than one to three volumes of air (volume of the sample probe and tube) prior to sample collection. The flow rate for both purging and sample collection will not exceed 0.2 liters per minute.

The sub-slab soil vapor and exterior soil vapor samples will be first screened for VOCs using a PID. A tracer gas (helium) will be used in accordance with the NYSDOH protocols to verify the integrity of the soil vapor probe seal. Helium will be used as the tracer gas and a bucket will serve to keep it in contact with the probe during testing. A portable monitoring device will be used to analyze a sample of soil vapor for the tracer prior to sampling. Although there is an allowable amount of tracer gas that can be detected as per the NYSDOH SVI Guidance, if the tracer sample results show any presence of the tracer gas, the probe seals will be adjusted to prevent infiltration which would result in the generation of inaccurate (likely biased low) results.

A sample log sheet will be maintained summarizing sample identification, date and time of sample collection, sampling depth, identity of samplers, sampling methods and devices, soil vapor purge volumes, volume of the soil vapor extracted, vacuum of canisters before and after the samples are collected, apparent moisture content of the sampling zone and chain of custody

Sub-slab soil vapor samples will be collected in laboratory-supplied and batch-certified 6-liter Summa canisters using eight-hour regulators and exterior soil vapor samples will be collected in laboratory-supplied and batch-certified 6-liter Summa canisters using two-hour regulators. All samples will be sealed, labeled, and placed in a secure container for delivery to a NYSDOH ELAP-certified analytical laboratory. All soil vapor samples will be analyzed for EPA Method TO-15 VOCs.

3.3.2 Indoor and Ambient Air Sampling Methodology

All samples will be collected in accordance with the NYSDOH Soil Vapor Guidance. Sample locations may be adjusted based on field observations or conditions.

A total of seven indoor air samples and three outdoor ambient air samples will be collected as part of this RI. The indoor air samples will be co-located with sub-slab soil vapor samples. All indoor air samples will be collected from breathing height (three to five feet above the floor) from within the onsite basement, northern adjoining basements and southern adjoining basement. All outdoor ambient air samples will be collected from breathing height (three to five feet above the ground surface) from upgradient sampling locations. The sampling flow rate will not exceed 0.2 liters per minute (L/min). Sampling will occur for a duration of eight hours. A sample log sheet will be maintained summarizing sample identification, date and time of sample collection, sampling depth, identity of samplers, sampling methods and devices, soil vapor purge volumes, volume of the soil vapor extracted, vacuum of canisters before and after the samples are collected, apparent moisture content of the sampling zone, and chain of custody protocols.

Indoor air and ambient air samples will be collected in laboratory-supplied and individually-certified 6-liter Summa canisters using eight-hour regulators and will be sealed, labeled, and placed in a secure container for delivery to a NYSDOH ELAP-certified analytical laboratory. All samples will be analyzed for EPA Method TO-15 VOCs.

A summary table of proposed soil vapor samples and sampling rationale is included in Section 3.6 of this Work Plan.

3.4 Groundwater Sampling

The following scope of work is proposed to further characterize groundwater on-and offsite:

- One permanent bedrock monitoring well will be installed within the onsite basement approximately five feet into bedrock to assess groundwater conditions within bedrock fractures. The overburden will be cased off from the underlying bedrock during well installation to prevent downward migration of cVOC impacts into bedrock fractures;
- One permanent groundwater monitoring well will be installed within the onsite basement and will be seated above bedrock (approximately 3 to 4 ft-bbg) to further investigate onsite groundwater conditions and the potential for offsite migration of cVOC impacts;
- One permanent groundwater monitoring well will be installed within the northern adjoining basement and will be seated above bedrock (approximately 3 to 4 ft-bbg) to assess offsite and upgradient groundwater conditions;
- One permanent groundwater monitoring well will be installed offsite concurrent with an offsite soil boring to further evaluate offsite and downgradient groundwater conditions. The monitoring well will be installed in the eastern sidewalk of Pilgrim Avenue and will be seated above bedrock (approximately 20 ft-bsg);

- Gauge and collect groundwater samples from four newly-installed and three existing groundwater wells;
- Groundwater samples will be analyzed for Part 375 VOCs, SVOCs, pesticides, herbicides, PCBs, total and dissolved metals, cyanide, trivalent and hexavalent chromium, 1,4-dioxane, and PFAS; and,
- Survey newly-installed monitoring wells; collect one round of depth-to-groundwater measurements from newly-installed and previously-installed wells; and evaluate groundwater elevations and present updated groundwater contours.

Proposed RI well and existing well locations are shown on Figure 11a.

3.4.1 Groundwater Well Sampling

Three previously installed permanent monitoring wells (MW-1 through MW-3) and four newly-installed permanent monitoring wells (MW-4 through MW-6 and BW-1) will be sampled. All sampling equipment will be decontaminated prior to use. Prior to sampling, water levels will be measured using an electronic product-water level indicator. Sample collection will be accomplished by using low-flow procedures. Samples will not be collected until pH, temperature, and conductivity measurements stabilize and the turbidity reading is 50 Nephelometric Turbidity Units (NTU) or less, or stabilizes above 50 NTU.

All exterior monitoring wells will be installed using a Geoprobe® direct-push rig, all interior monitoring wells seated above bedrock will be installed using a manual sampling hammer, and the bedrock monitoring well will be installed using a hydraulic drill rig with coring capabilities. All non-bedrock monitoring wells will consist of a two-inch inner diameter (ID) PVC casing and riser. A ten-foot PVC screen (0.020-inch slot) will be installed and straddle the groundwater table (five ft above and five ft below) in the offsite and exterior well; a four-foot pre-packed PVC screen (0.020-inch slot) will be installed into the groundwater table in the interior non-bedrock wells; and a two-inch five-foot screen (0.020-inch slot) will be installed five feet into bedrock for the bedrock well. For the bedrock well, the overburden will be cased off from the underlying bedrock to prevent downward migration of cVOC impacts into bedrock fractures.

A filter pack of sand will be placed in the annular space around the screen of the monitoring wells (minimum 2-inches around the circumference of the screen) and will extend two feet above the screen. The annular area around the well casing above the sand pack will be sealed with bentonite pellets for an interval of two feet. The annular space above the bentonite pellets to one ft-bg will be backfilled with unimpacted drill cuttings. Upon completion of the well, a locking well cap will be installed atop the PVC riser and a steel flush-mount roadbox and concrete apron will be installed at grade.

Groundwater well construction logs will be completed for all of the newly constructed wells, including description of the lithology, top of casing, and screening interval. Boring and well construction logs will be included in the RIR.

The monitoring wells will be developed on the day of installation by pumping, using a peristaltic pump and dedicated high-density polyethylene (HDPE) tubing. The wells will be developed until at least three well volumes have been evacuated, turbidity reaches 50 NTU or less, or stabilized above 50 NTU, and pH, temperature, and conductivity measurements stabilize. Stability is defined as variation between field measurements of 10 percent or less and no overall upward or downward trend in measurements. All permanent monitoring wells will be surveyed to a common datum.

Samples will be 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 will be collected directly from dedicated tubing and placed in pre-cleaned, pre-preserved laboratory provided sample bottles, cooled to 4°C in the field, and transported under chain-of-custody command to the designated laboratory for analysis. All groundwater samples will be analyzed for the following analytes on the Part 375 list and emerging contaminants with a Category B deliverable package:

- TCL VOCs by EPA Method 8260C;
- TCL SVOCs by EPA Method 8270D;
- Pesticides by EPA Method 8081B;
- Herbicides by EPA Method 8151A;
- PCBs by EPA Method 8082A;
- Total and Dissolved TAL Metals by EPA Method 6010C/7471B;
- Total and Dissolved Cyanide by EPA Method 9010C; and
- Total and Dissolved Trivalent and Hexavalent Chromium by EPA Method 3060A;
- 1,4-Dioxane by EPA Method 8270D-SIM Modified; and
- PFAS by EPA Method 537.

Emerging contaminants (e.g., PFAS and 1,4-Dioxane) will be sampled in accordance with the current NYSDEC guidance, *Guidelines for Sampling and Analysis of PFAS Under NYSDEC's Part 375 Remedial Programs* (October 2020).

3.5 Quality Assurance / Quality Control (QA/QC)

Samples will be collected in accordance with the Quality Assurance Project Plan (QAPP) included as Appendix B.

Sample analysis will be performed by a NYSDOH ELAP-certified laboratory. The laboratory will report sample results on a 5-day turn-around time. An independent sub-consultant will validate sample results and prepare a Data Usability Summary Report (DUSR).

3.6 Summary Table of Proposed Sampling Locations

As required by Section 3.3(b) 3 of DER-10, below is a table describing all proposed sampling locations and QA/QC samples.

Table 6. Proposed Sampling Locations and Analysis

Soil

Sample Location	Media	Sampling Intervals	Analytical Parameters	Sampling Method / Minimum Reporting Levels	Rationale	QA/QC Samples
SB-2	Soil	From the two-foot interval directly below the basement slab and the two-foot interval directly above bedrock	Part 375 Analytes, PFAAs, and 1,4-Dioxane (two samples from each boring) All additional samples: TCL VOCs only	EPA 537 Modified / MDL less than 1 ug/kg for PFAAs; EPA 8270 / MDL less than 0.1 mg/kg for 1,4-Dioxane; EPA 8260C, 8270D, 8081B, 8082A, 8151A, 7196A, 3050B, 7471B, 9010C/9012B/9014 and 3060A/7196 / MDL less than Unrestricted Use SCOs	Site Coverage	1 duplicate, 1 field blank, and 1 MS/MSD per 20 samples; 1 trip blank per sample delivery group
SB-3						
SB-1		From each one-foot interval directly below the basement slab to the top of bedrock (analysis of more than two samples will depend on preceding interval results)			Onsite vertical and horizontal delineation of known chlorinated solvent impacts	
SB-4						
SB-5						
SB-6						
SB-7						
SB-8						
SB-9						
SB-10		From the zone of highest suspected contamination or, if no contamination is observed, the two-foot interval above the groundwater interface	TCL VOCs	EPA 8260C	Assess offsite soil conditions	

Sample Location	Media	Sampling Intervals	Analytical Parameters	Sampling Method / Minimum Reporting Levels	Rationale	QA/QC Samples
SB-11	Soil	From each one-foot interval directly below the basement slab to the top of bedrock (analysis of more than two samples will depend on preceding interval results)	Part 375 Analytes, PFAAs, and 1,4-Dioxane (two samples from each boring) All additional samples: TCL VOCs only	EPA 537 Modified / MDL less than 1 ug/kg for PFAAs; EPA 8270 / MDL less than 0.1 mg/kg for 1,4-Dioxane; EPA 8260C, 8270D, 8081B, 8082A, 8151A, 7196A, 3050B, 7471B, 9010C/9012B/9014 and 3060A/7196 / MDL less than Unrestricted Use SCOs	Site Coverage	1 duplicate, 1 field blank, and 1 MS/MSD per 20 samples; 1 trip blank per sample delivery group
SB-12						
SB-13						

Groundwater

Sample Location	Media	Sampling Intervals	Analytical Parameters	Sampling Method / Minimum Reporting Levels	Rationale	QA/QC Samples
MW-1	Groundwater	10 ft screen across groundwater interface (4 to 19 ft-bsg)	Part 375 analytes including total and dissolved metals; 1,4-dioxane; PFAAs	EPA 8260C, 8270D, 8270D-SIM Modified, 8081B, 8151A, 7196A, 3050B, 7471B, 9010C/9012B/9014, 3060A/7196 and 537 / MDL less than Class GA Standards for Part 375 analytes; MDL less than 0.28 ug/L for 1,4-dioxane; MDL less than 2 nanograms per liter (ng/L) for PFAAs	Assess offsite groundwater conditions	1 duplicate, 1 field blank, and 1 MS/MSD per 20 samples; 1 trip blank per sample delivery group
MW-2						
MW-3		4 ft pre-packed screen (0 to 4 ft-bbg)			Confirm/investigate groundwater conditions in shallow aquifer	
MW-4						
MW-5					Assess offsite groundwater conditions	
MW-6		10 ft screen across groundwater interface (10 to 20 ft-bsg)				
BW-1		5 ft screen in bedrock (4 to 9 ft-bbg)			Investigate groundwater conditions in bedrock	

Soil Vapor and Outdoor Air

Sample Location	Media	Sampling Intervals	Analytical Parameters	Sampling Method / Minimum Reporting Levels	Rationale	QA/QC Samples
SS-1	Sub-slab Soil Vapor	Max 2 inches below floor slab	TO-15 VOCs	EPA TO-15 / MDL less than 1.00 ug/m3	Assess sub-slab soil vapor conditions onsite	None
SS-2						
SS-3					Assess sub-slab soil vapor conditions offsite	
SS-4						
SS-5						
SS-6						
SS-7						
SV-1	Exterior Soil Vapor	10 ft-bsg			Assess soil vapor conditions offsite adjacent to residential housing	
SV-2						
SV-3						
IA-6	Indoor Air	Breathing height (3-5 feet above the ground)			Assess indoor air conditions onsite	
IA-7						
IA-8					Assess indoor air conditions offsite	
IA-9						
IA-10						
IA-11						
IA-12						
AA-1	Outdoor Air				Assess outdoor air conditions onsite	
AA-2					Assess ambient air conditions offsite	
AA-3						

Quality Assurance / Quality Control

Sample Location	Media	Sampling Intervals	Analytical Parameters	Rationale
Trip Blanks	QA / QC	--	Part 375 analytes and/or 1,4-dioxane and PFAAs, as necessary	Quality assurance and quality control
Soil Duplicate				
Soil Blank				
Soil MS/MSD				
Groundwater Duplicate				
Groundwater Blank				
Groundwater MS/MSD				

MDL – Method Detection Limit
Reporting limits are laboratory- and sampling event-specific. The overall objective is to ensure that the minimum reporting levels are such that they can be used to evaluate potential sources, assess risk from detected compounds, and compare detected concentrations against applicable regulatory levels.

3.7 Qualitative Exposure Assessment

Following receipt of the sample results, a QHHEA will be completed in accordance with Section 3.3(c)4 and Appendix B (NYSDOH guidance for preparing a qualitative human health exposure assessment) of DER-10. The QHHEA will utilize the results of the RI to evaluate and document potential exposure routes and identify and characterize potential current and future receptors. The results of the RI will be used to identify potential human exposure scenarios associated with contaminants in sub-slab soil vapor, indoor air, soil, and groundwater. The results of the QHHEA will be included in the RIR.

3.8 Health and Safety Plan (HASP)

All work at the Site will be completed in accordance with the Health and Safety Plan (HASP) included in Appendix C.

3.9 Air Monitoring

The NYSDOH Generic Community Air Monitoring Plan (CAMP), included as Appendix 1A of DER-10 and, will be implemented during all ground-intrusive sampling activities. Special requirements will be implemented during any ground-intrusive work occurring within twenty feet of potentially exposed individuals or building openings (windows, vents, doors, etc.). Also, special requirements will be implemented during all work completed inside an occupied building. Details of the CAMP are included in Appendix D.

Daily CAMP reports will be sent to the NYSDOH and NYSDEC Project Manager via email. Daily reports will include a Site figure depicting Work Zones; activities; wind direction, in addition to CAMP monitor readings and CAMP station locations. Any exceedances of CAMP readings, corrective actions taken, and indication of whether the corrective actions reduced readings to below action levels will be communicated to the NYSDEC and the NYSDOH Project Managers as soon as practicable on the day of occurrence.

3.10 Investigation-Derived Waste (IDW)

Following the completion of sampling, boreholes will be backfilled with clean cuttings or sand. If grossly contaminated soil cuttings are encountered or if excess soil cuttings are generated, they will be placed in 55-gallon drums. Purge water and other investigation-derived waste (IDW) will be containerized in 55-gallon drums. After the investigation is complete, the drum contents will be characterized for offsite disposal and, if cVOC concentrations do not indicate the waste materials need to be disposed of as hazardous waste, a contained-in determination will be requested from NYSDEC.

3.11 Reporting

A RIR will be prepared in accordance with the requirements of DER-10. The report will include details of the sampling, tabulated sample results and an assessment of the data and conclusions. If warranted, recommendations for additional actions will be included.

Soil sample results will be compared to the Protection of Groundwater and Commercial Use SCOs as included in Part 375-6.8 and PFAS results will be compared to NYSDEC's October 2020 PFAS Guidelines. Groundwater sample results will be compared to the Class GA Standards with the exception of the emerging contaminants, which will be compared to NYSDEC's MCL. Sub-slab and indoor air sample results will be compared to NYSDOH Soil Vapor Guidance Matrices. The results of all media will be evaluated comprehensively to determine the need for additional investigation and/or remediation.

The report will also include the qualitative exposure assessment, CAMP results, laboratory data packages, DUSR, geologic logs, well construction diagrams and well purging/sampling logs. All data will also be submitted electronically to NYSDEC via the Environmental Information Management System (EIMS) in EqUIS format.

4.0 SCHEDULE

Project activities (Tasks 1-3) will be completed within approximately nine weeks after RIWP approval by NYSDEC, assuming there are no limitations on work in NYC and that social distancing can be maintained. The following project schedule has been developed:

Work Plan Implementation Schedule

Task Number	Task	Estimated Task Duration (business days)	Total Duration (business days)
0	Work Plan Approval	0	0
1	Mobilization	25 after approval of the RIWP	25
2	Soil Boring, Monitoring Well and Soil Vapor Point Installation / Soil Sampling	3	28
3	Groundwater and Soil Vapor Sampling	2	30
4	Laboratory Analysis	15	45
5	Draft Report and Data Validation	30	75
6	Submittal of RI Report	1	76

5.0 REFERENCES

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

New York State Department of Environmental Conservation DEC Policy. Commissioner's Policy 51 – Soil Cleanup Guidance. October 21, 2010. NYSDEC 2010.

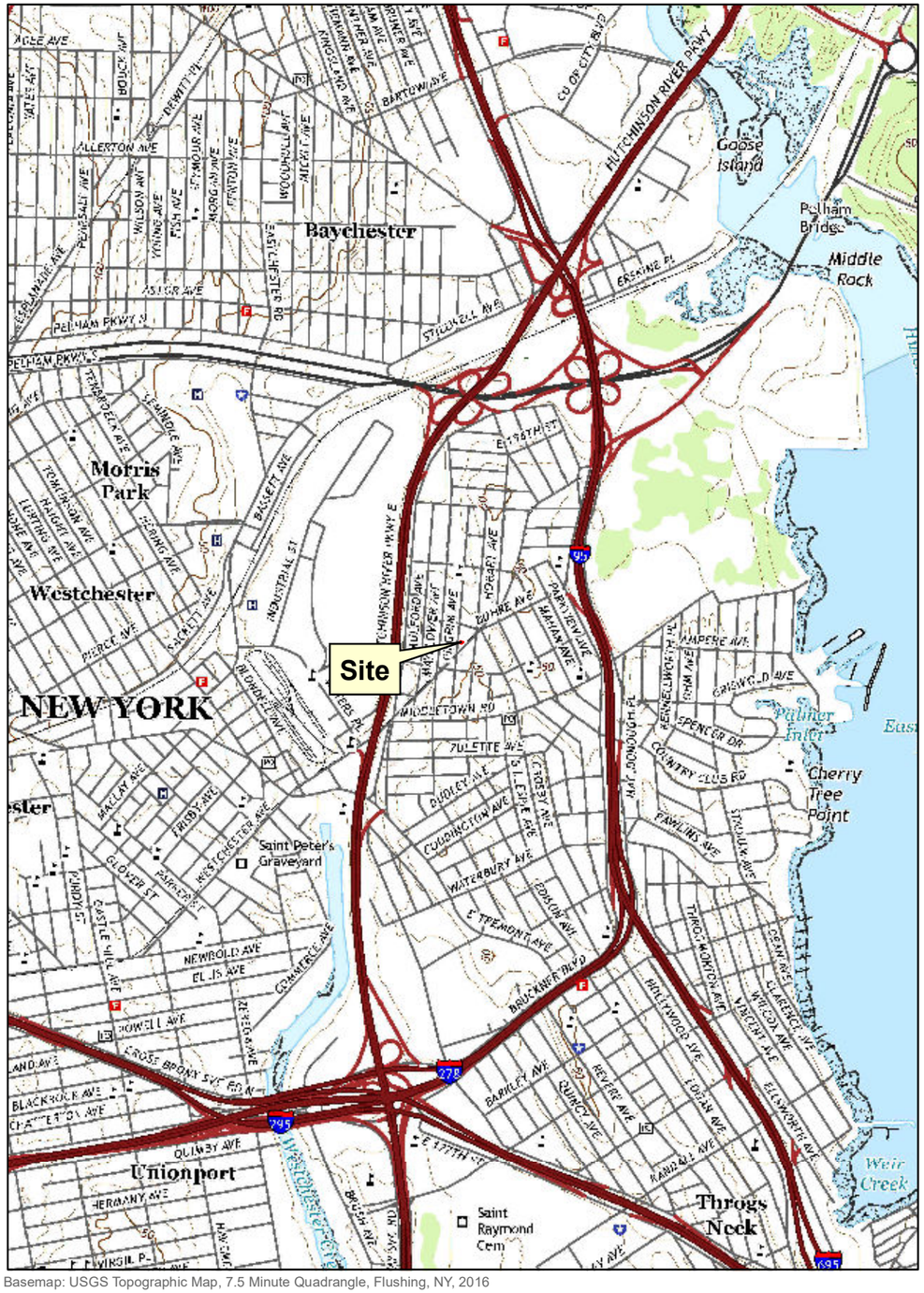
New York State Department of Environmental Conservation. Guidelines for Sampling and Analysis of Per- and Polyfluoroalkyl Substances (PFAS) Under NYSDEC's Part 375 Remedial Programs. October 2020. NYSDEC 2020.

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

Phase II Environmental Site Assessment, 2925 Westchester Avenue, Bronx, NY 10461, Castleton Environmental, August 2019.

Due Diligence Investigation Report , 2921 Westchester Avenue, Bronx, NY 10461, Tenen Environmental, LLC, May 2020.

Figures



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

Site Location

0 1,000 2,000 4,000 Feet

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

Department of Finance Digital Tax Map

0 150 300 600 Feet

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

Department of City Planning MapPLUTO - 2018 v2.1

0 150 300 600 Feet

Site

2921 Westchester Avenue
Bronx, New York
Block 4164, Lot 5

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

Drawn By	LM
Checked By	AP
Date	December 2020
Scale	As Noted
Drawing Title	Site Location Map
Drawing No	Figure 1

NYC Department of City Planning, Information Technology Division

Legend

- Site Boundary
- Home Store
- Boost Mobile
- Site (Vacant Space)
- Barber Shop
- Block 4164, Tax Lot 5

0 15 30 60 Feet

Site

2921 Westchester Avenue
Bronx, New York
Block 4164, Lot 5

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Drawn By: LM
Checked By: CZ
Date: December 2020
Scale: As Noted

Drawing Title: **Commercial Space Layout**

Drawing No: **Figure 2**

NYC Department of City Planning, Information Technology Division

Legend

- Site Boundary
- Cellar Spaces
- Home Store
- Boost Mobile
- Site (Vacant Space)
- Barber Shop
- Block 4164, Tax Lot 5

0 15 30 60 Feet

Site

2921 Westchester Avenue
Bronx, New York
Block 4164, Lot 5

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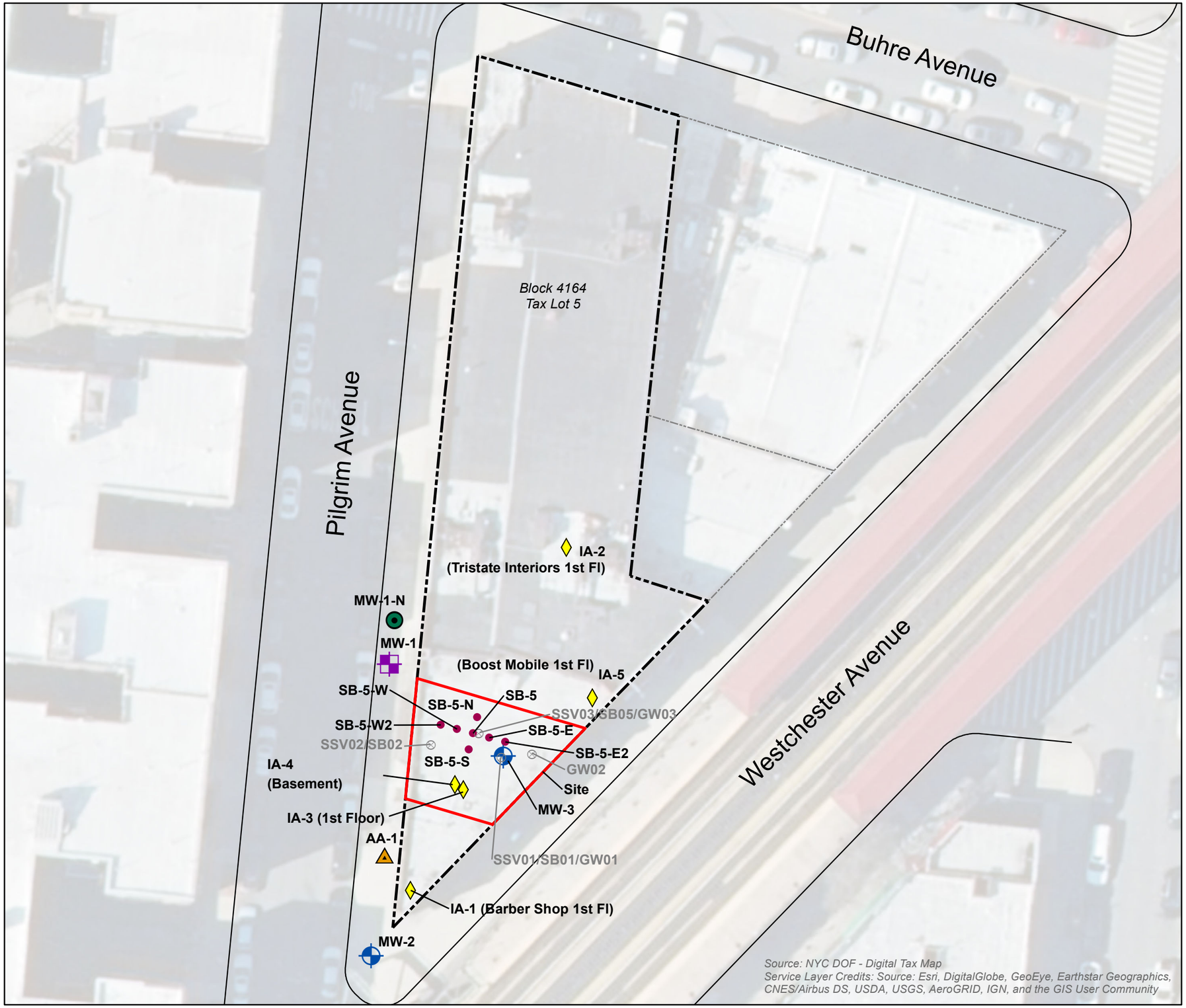
Drawn By	LM
Checked By	CZ
Date	December 2020
Scale	As Noted

Drawing Title: **Cellar Spaces Layout**

Drawing No: **Figure 3**



Legend

- Soil Delineation Sample Location
- Soil Boring Location
- Groundwater Sampling Location
- Soil and Groundwater Sampling Location
- Indoor Air Sampling Location
- Ambient Air Sampling Location
- Castleton Environmental Soil, GW and SV Sampling Locations, 2019
- Neighboring Tax Lots
- Block 4164, Tax Lot 5
- Site Location 2921 Westchester Avenue

0 15 30 60 Feet

Site

2921 Westchester Avenue
Bronx, New York
Block 4164, Lot 5

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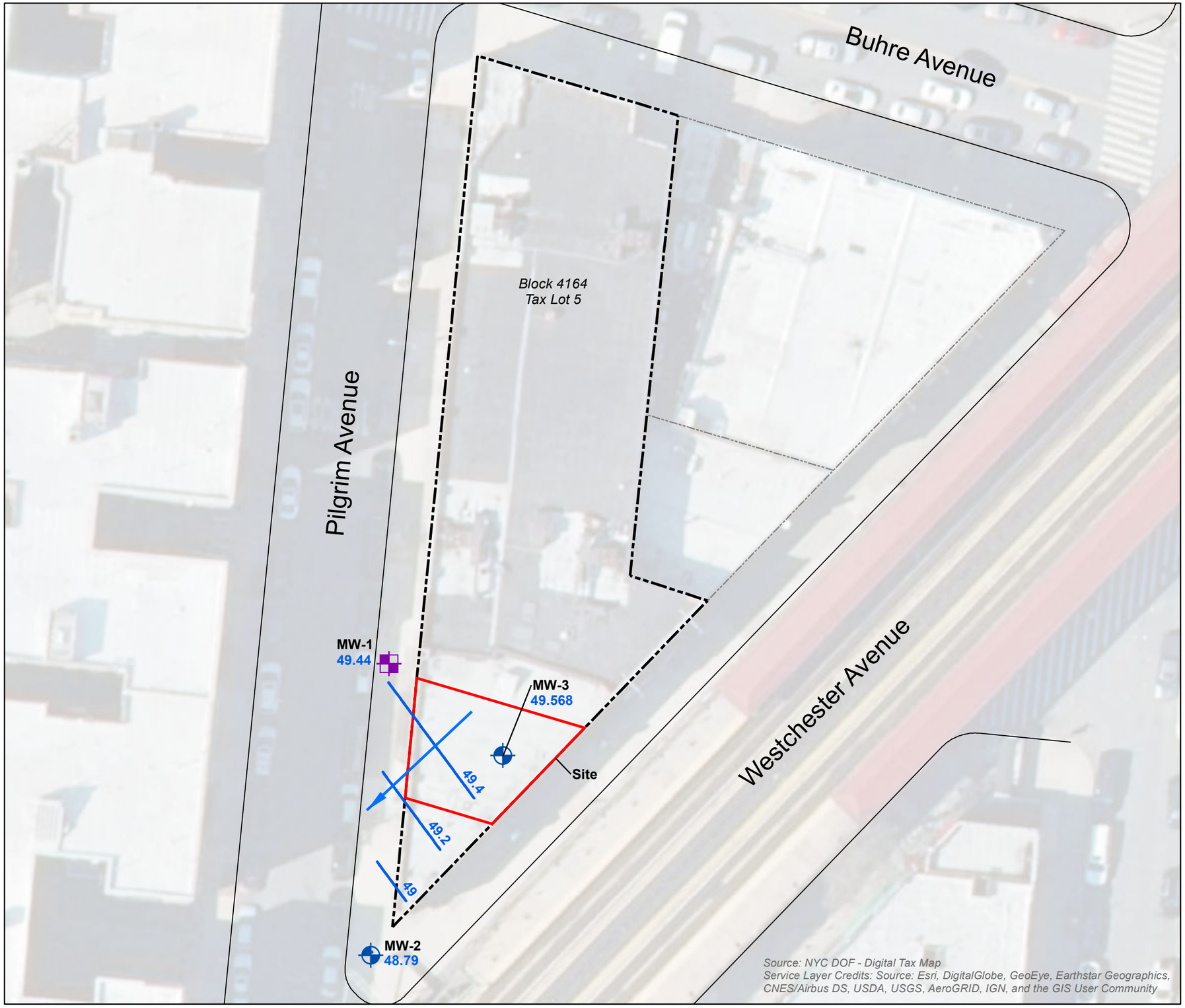
Drawn By	LM
Checked By	AP
Date	December 2020
Scale	As Noted

Drawing Title
Historical Sampling Locations

Drawing No
Figure 4



Legend

- Groundwater Sampling Location
- Soil and Groundwater Sampling Location
- Groundwater Elevation Contour
- Neighboring Tax Lots
- Block 4164, Lot 5
- Site Location 2921 Westchester Avenue
- Groundwater Flow Direction

0 15 30 60 Feet

Site

2921 Westchester Avenue
Bronx, New York
Block 4164, Lot 5

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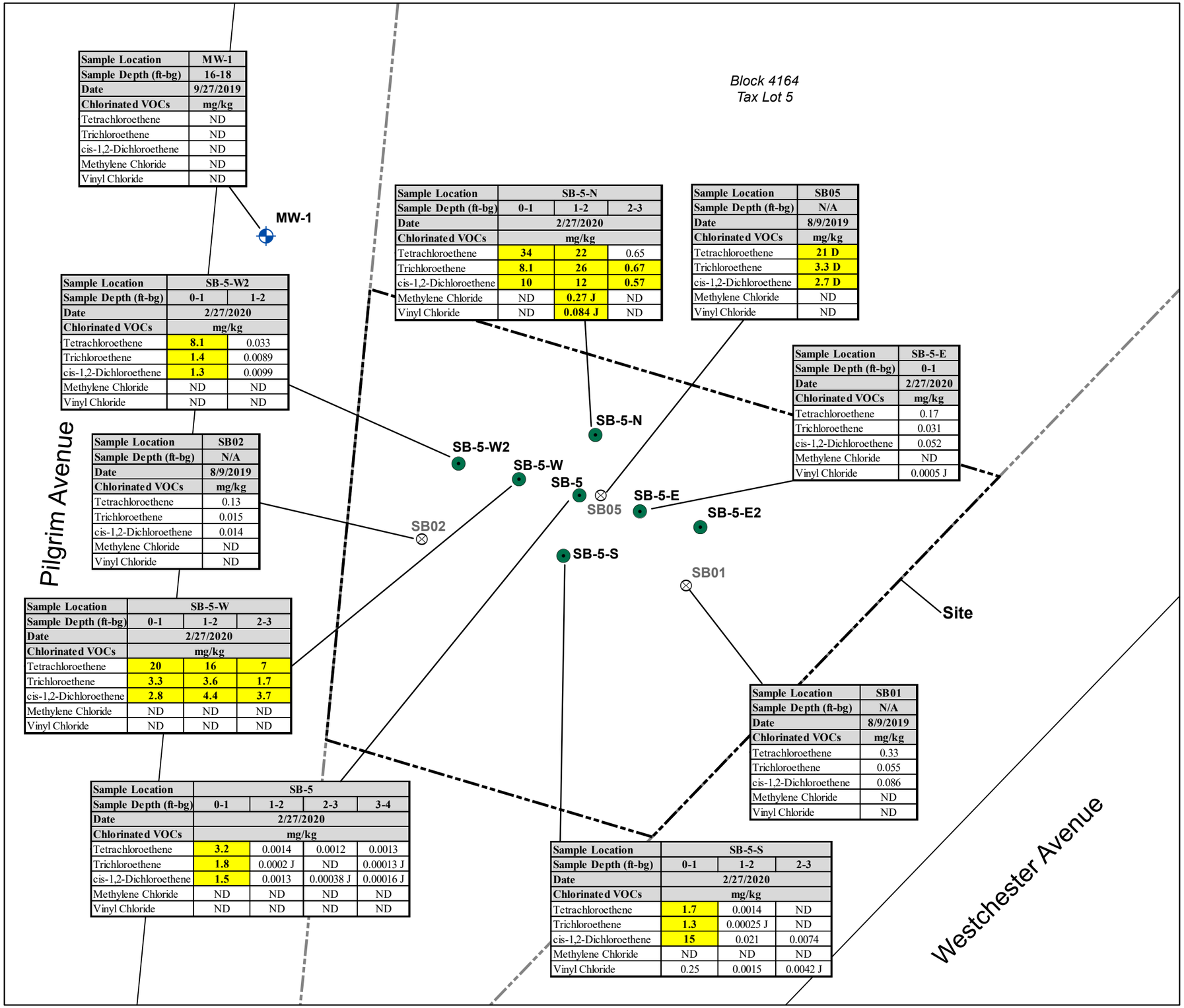
Drawn By	LM
Checked By	AP
Date	December 2020
Scale	As Noted

Drawing Title: **Groundwater Flow Map**

Drawing No: **Figure 5**



Sample Location	MW-1
Sample Depth (ft-bg)	16-18
Date	9/27/2019
Chlorinated VOCs	mg/kg
Tetrachloroethene	ND
Trichloroethene	ND
cis-1,2-Dichloroethene	ND
Methylene Chloride	ND
Vinyl Chloride	ND

Sample Location	SB-5-N		
Sample Depth (ft-bg)	0-1	1-2	2-3
Date	2/27/2020		
Chlorinated VOCs	mg/kg		
Tetrachloroethene	**34**	**22**	0.65
Trichloroethene	**8.1**	**26**	**0.67**
cis-1,2-Dichloroethene	**10**	**12**	**0.57**
Methylene Chloride	ND	**0.27 J**	ND
Vinyl Chloride	ND	**0.084 J**	ND

Sample Location	SB05
Sample Depth (ft-bg)	N/A
Date	8/9/2019
Chlorinated VOCs	mg/kg
Tetrachloroethene	**21 D**
Trichloroethene	**3.3 D**
cis-1,2-Dichloroethene	**2.7 D**
Methylene Chloride	ND
Vinyl Chloride	ND

Sample Location	SB-5-W2	
Sample Depth (ft-bg)	0-1	1-2
Date	2/27/2020	
Chlorinated VOCs	mg/kg	
Tetrachloroethene	**8.1**	0.033
Trichloroethene	**1.4**	0.0089
cis-1,2-Dichloroethene	**1.3**	0.0099
Methylene Chloride	ND	ND
Vinyl Chloride	ND	ND

Sample Location	SB-5-E
Sample Depth (ft-bg)	0-1
Date	2/27/2020
Chlorinated VOCs	mg/kg
Tetrachloroethene	0.17
Trichloroethene	0.031
cis-1,2-Dichloroethene	0.052
Methylene Chloride	ND
Vinyl Chloride	0.0005 J

Sample Location	SB02
Sample Depth (ft-bg)	N/A
Date	8/9/2019
Chlorinated VOCs	mg/kg
Tetrachloroethene	0.13
Trichloroethene	0.015
cis-1,2-Dichloroethene	0.014
Methylene Chloride	ND
Vinyl Chloride	ND

Sample Location	SB-5-W		
Sample Depth (ft-bg)	0-1	1-2	2-3
Date	2/27/2020		
Chlorinated VOCs	mg/kg		
Tetrachloroethene	**20**	**16**	**7**
Trichloroethene	**3.3**	**3.6**	**1.7**
cis-1,2-Dichloroethene	**2.8**	**4.4**	**3.7**
Methylene Chloride	ND	ND	ND
Vinyl Chloride	ND	ND	ND

Sample Location	SB01
Sample Depth (ft-bg)	N/A
Date	8/9/2019
Chlorinated VOCs	mg/kg
Tetrachloroethene	0.33
Trichloroethene	0.055
cis-1,2-Dichloroethene	0.086
Methylene Chloride	ND
Vinyl Chloride	ND

Sample Location	SB-5			
Sample Depth (ft-bg)	0-1	1-2	2-3	3-4
Date	2/27/2020			
Chlorinated VOCs	mg/kg			
Tetrachloroethene	**3.2**	0.0014	0.0012	0.0013
Trichloroethene	**1.8**	0.0002 J	ND	0.00013 J
cis-1,2-Dichloroethene	**1.5**	0.0013	0.00038 J	0.00016 J
Methylene Chloride	ND	ND	ND	ND
Vinyl Chloride	ND	ND	ND	ND

Sample Location	SB-5-S		
Sample Depth (ft-bg)	0-1	1-2	2-3
Date	2/27/2020		
Chlorinated VOCs	mg/kg		
Tetrachloroethene	**1.7**	0.0014	ND
Trichloroethene	**1.3**	0.00025 J	ND
cis-1,2-Dichloroethene	**15**	0.021	0.0074
Methylene Chloride	ND	ND	ND
Vinyl Chloride	0.25	0.0015	0.0042 J

Analyte	NY-UNRES	NY-PGW
Chlorinated VOCs	mg/kg	
Tetrachloroethene	1.3	1.3
Trichloroethene	0.47	0.47
cis-1,2-Dichloroethene	0.25	0.25
Methylene Chloride	0.05	0.05
Vinyl Chloride	0.02	0.02

Notes:

1. **Bold and shaded yellow value indicates concentration exceeds NY-UNRES and NY-PGW SCOs**
2. NY-UNRES = 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives
3. NY-PGW = 6 NYCRR Part 375 Restricted Protection of Groundwater Soil Cleanup Objectives
4. D = Concentration is from an analysis that required a dilution
5. J = Estimated value
6. ND = Not detected
7. NS = No standard
8. Soil samples SB01, SB02, and SB05 were collected as part of Castleton's Phase II ESI and sample depths were not indicated

Legend

- Soil Delineation Sample Locations
- Soil/Groundwater Sample Location
- Castleton Environmental Soil Sample Locations
- Block 4164, Tax Lot 5
- Site Location 2921 Westchester Avenue

0 4 8 16 Feet

Site

2921 Westchester Avenue
Bronx, New York
Block 4164, Lot 5

TENEN ENVIRONMENTAL
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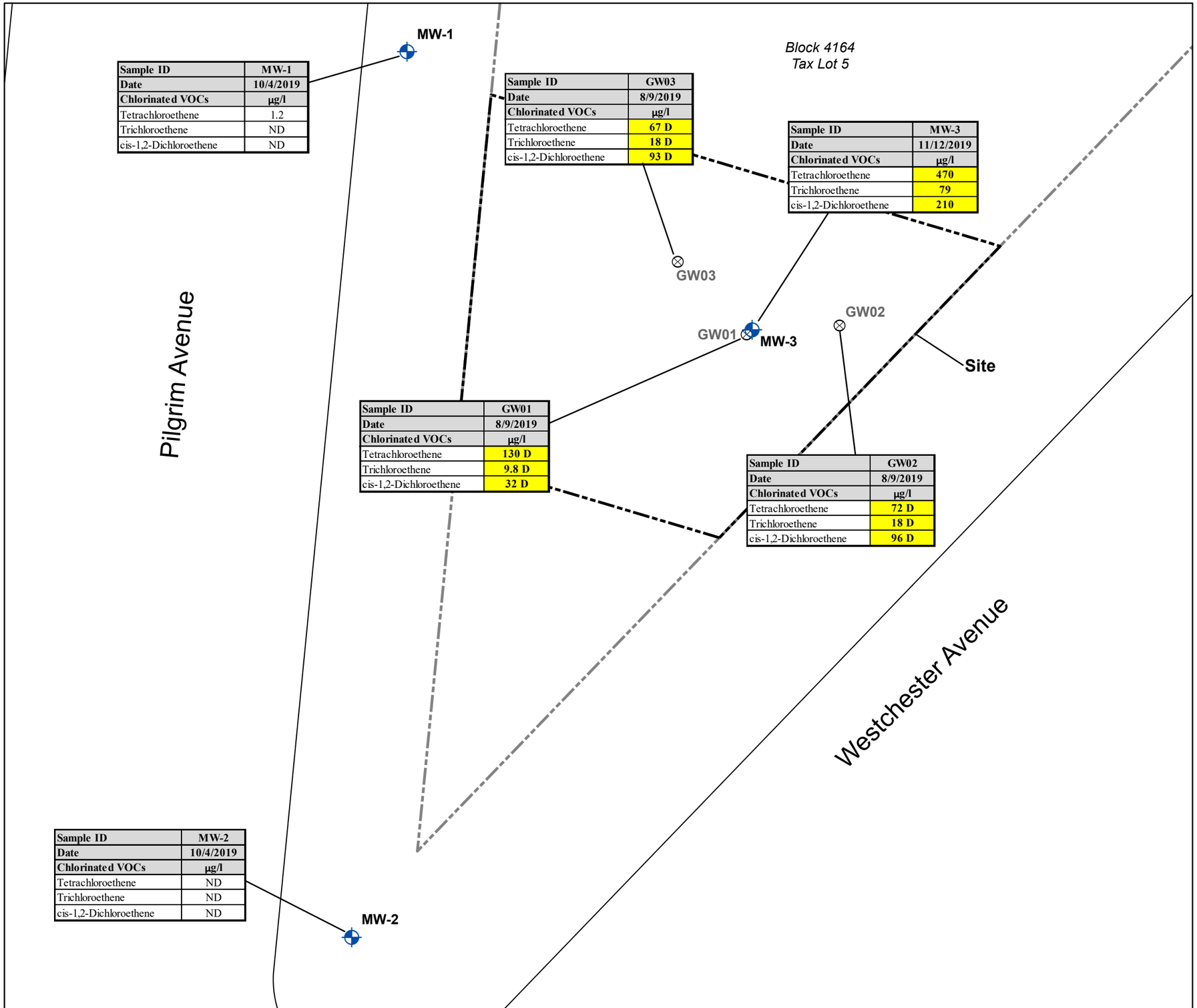
Drawn By: LM
Checked By: AP
Date: December 2020
Scale: As Noted

Drawing Title: **Chlorinated VOCs in Soil**

Drawing No: **Figure 6**



Sample ID	MW-1
Date	10/4/2019
Chlorinated VOCs	µg/l
Tetrachloroethene	1.2
Trichloroethene	ND
cis-1,2-Dichloroethene	ND

Sample ID	GW03
Date	8/9/2019
Chlorinated VOCs	µg/l
Tetrachloroethene	**67 D**
Trichloroethene	**18 D**
cis-1,2-Dichloroethene	**93 D**

Sample ID	MW-3
Date	11/12/2019
Chlorinated VOCs	µg/l
Tetrachloroethene	**470**
Trichloroethene	**79**
cis-1,2-Dichloroethene	**210**

Sample ID	GW01
Date	8/9/2019
Chlorinated VOCs	µg/l
Tetrachloroethene	**130 D**
Trichloroethene	**9.8 D**
cis-1,2-Dichloroethene	**32 D**

Sample ID	GW02
Date	8/9/2019
Chlorinated VOCs	µg/l
Tetrachloroethene	**72 D**
Trichloroethene	**18 D**
cis-1,2-Dichloroethene	**96 D**

Sample ID	MW-2
Date	10/4/2019
Chlorinated VOCs	µg/l
Tetrachloroethene	ND
Trichloroethene	ND
cis-1,2-Dichloroethene	ND

Analyte	NY-AWQS
Chlorinated VOCs	µg/l
Tetrachloroethene	5
Trichloroethene	5
cis-1,2-Dichloroethene	5

Notes:

1. **Bold and shaded yellow value indicates concentration exceeds NY-AWQS**
2. NY-AWQS = NYSDEC Division of Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards (AWQS)
3. J = Estimated value
4. ND = Not detected
5. D = Concentration is from an analysis that required a dilution
6. Groundwater samples GW01, GW02, and GW03 were collected as part of Castleton's Phase II ESI

Legend

- Soil/Groundwater Sample Location
- Castleton Environmental Groundwater Sample Locations
- Block 4164, Tax Lot 5
- Site Location 2921 Westchester Avenue

0 5 10 20 Feet

Site

2921 Westchester Avenue
Bronx, New York
Block 4164, Lot 5

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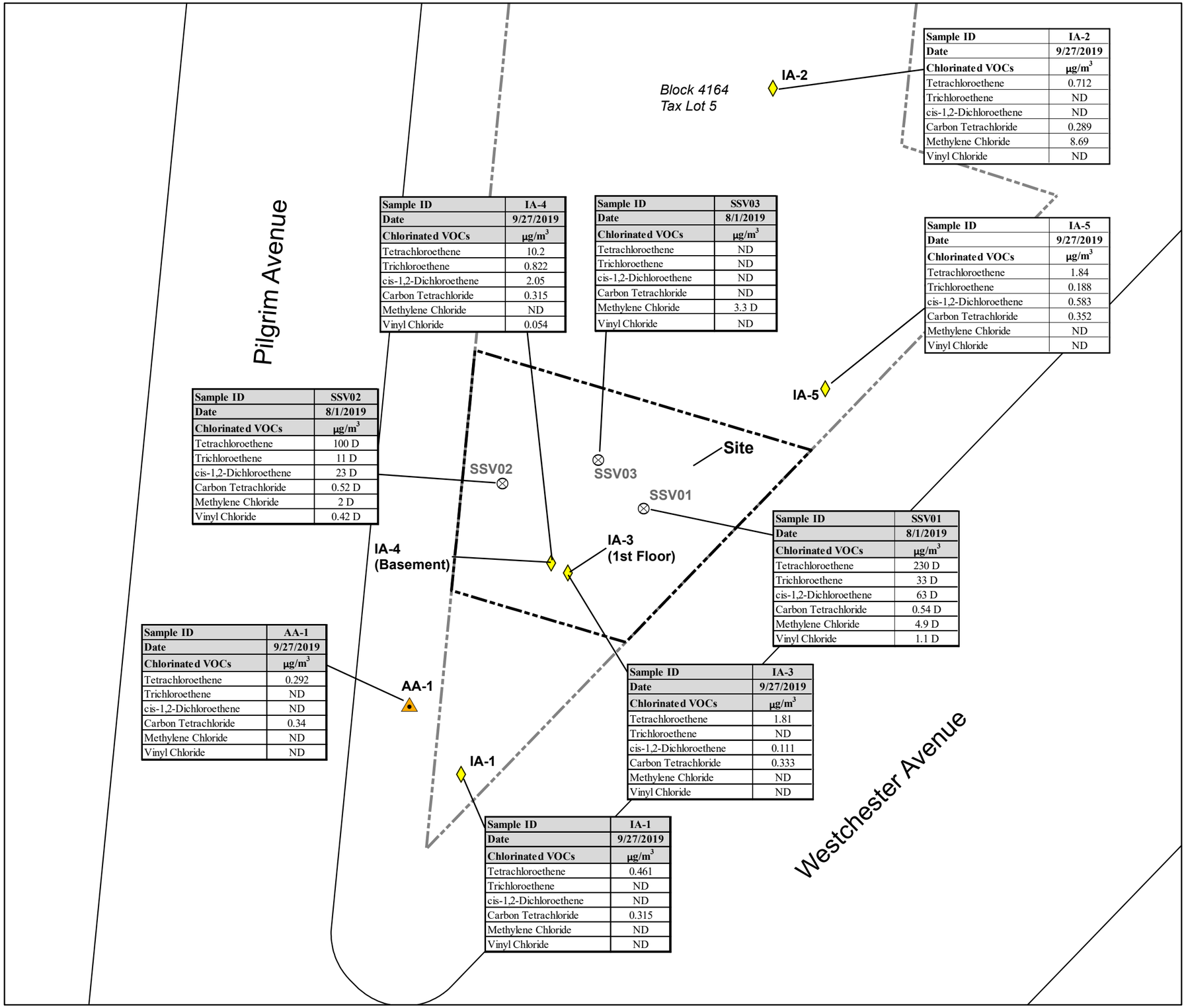
Drawn By: LM
Checked By: AP
Date: December 2020
Scale: As Noted

Drawing Title: **Chlorinated VOCs in Groundwater**

Drawing No: **Figure 7**



Sample ID	IA-2
Date	9/27/2019
Chlorinated VOCs	µg/m³
Tetrachloroethene	0.712
Trichloroethene	ND
cis-1,2-Dichloroethene	ND
Carbon Tetrachloride	0.289
Methylene Chloride	8.69
Vinyl Chloride	ND

Sample ID	IA-4
Date	9/27/2019
Chlorinated VOCs	µg/m³
Tetrachloroethene	10.2
Trichloroethene	0.822
cis-1,2-Dichloroethene	2.05
Carbon Tetrachloride	0.315
Methylene Chloride	ND
Vinyl Chloride	0.054

Sample ID	SSV03
Date	8/1/2019
Chlorinated VOCs	µg/m³
Tetrachloroethene	ND
Trichloroethene	ND
cis-1,2-Dichloroethene	ND
Carbon Tetrachloride	ND
Methylene Chloride	3.3 D
Vinyl Chloride	ND

Sample ID	IA-5
Date	9/27/2019
Chlorinated VOCs	µg/m³
Tetrachloroethene	1.84
Trichloroethene	0.188
cis-1,2-Dichloroethene	0.583
Carbon Tetrachloride	0.352
Methylene Chloride	ND
Vinyl Chloride	ND

Sample ID	SSV02
Date	8/1/2019
Chlorinated VOCs	µg/m³
Tetrachloroethene	100 D
Trichloroethene	11 D
cis-1,2-Dichloroethene	23 D
Carbon Tetrachloride	0.52 D
Methylene Chloride	2 D
Vinyl Chloride	0.42 D

Sample ID	SSV01
Date	8/1/2019
Chlorinated VOCs	µg/m³
Tetrachloroethene	230 D
Trichloroethene	33 D
cis-1,2-Dichloroethene	63 D
Carbon Tetrachloride	0.54 D
Methylene Chloride	4.9 D
Vinyl Chloride	1.1 D

Sample ID	AA-1
Date	9/27/2019
Chlorinated VOCs	µg/m³
Tetrachloroethene	0.292
Trichloroethene	ND
cis-1,2-Dichloroethene	ND
Carbon Tetrachloride	0.34
Methylene Chloride	ND
Vinyl Chloride	ND

Sample ID	IA-3
Date	9/27/2019
Chlorinated VOCs	µg/m³
Tetrachloroethene	1.81
Trichloroethene	ND
cis-1,2-Dichloroethene	0.111
Carbon Tetrachloride	0.333
Methylene Chloride	ND
Vinyl Chloride	ND

Sample ID	IA-1
Date	9/27/2019
Chlorinated VOCs	µg/m³
Tetrachloroethene	0.461
Trichloroethene	ND
cis-1,2-Dichloroethene	ND
Carbon Tetrachloride	0.315
Methylene Chloride	ND
Vinyl Chloride	ND

Notes:

1. ND = Not detected
2. D = Concentration is from an analysis that required a dilution
3. All soil vapor samples were collected from the basement as part of Castleton's Phase II ESI

Legend

- Indoor Air Sampling Location
- Ambient Air Sampling Location
- Castleton Environmental Soil Vapor Locations
- Block 4164, Tax Lot 5
- Site Location 2921 Westchester Avenue

0 5 10 20 Feet

Site

2921 Westchester Avenue
Bronx, New York
Block 4164, Lot 5

TENEN ENVIRONMENTAL
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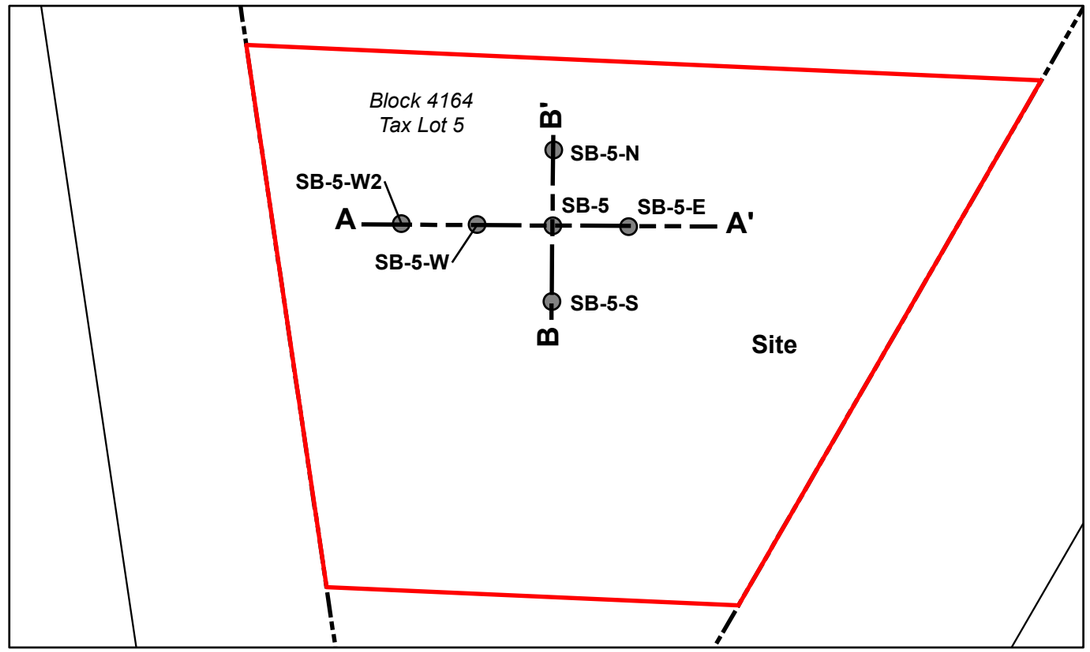
Drawn By: LM
Checked By: AP
Date: December 2020
Scale: As Noted

Drawing Title: **Chlorinated VOCs in Soil Vapor & Indoor Air**

Drawing No: **Figure 8**



Plan View

0 5 10 20 Feet

Approximate Areas of PCE in Soil		
Depth	Area > 10 mg/kg	Area <10 mg/kg, >PGW
0-1 ft	50 sf	60 sf
1-2 ft	30 sf	30 sf
2-3 ft	0	15 sf

Note:
PGW - Protection of Groundwater Standard

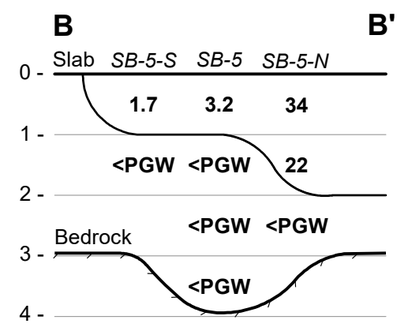
Legend

- Soil Delineation Sample Locations
- *Site Location 2921 Westchester Avenue*
- Block 4164, Tax Lot 5

Source: NYC DOF - Digital Tax Map

Section A-A'

Horiz. Scale 1" = 5'
Vert. Scale 1" = 2.5'



Section B-B'

Horiz. Scale 1" = 5'
Vert. Scale 1" = 2.5'

2921 Westchester Avenue
Bronx, New York
Block 4164, Lot 5

Site

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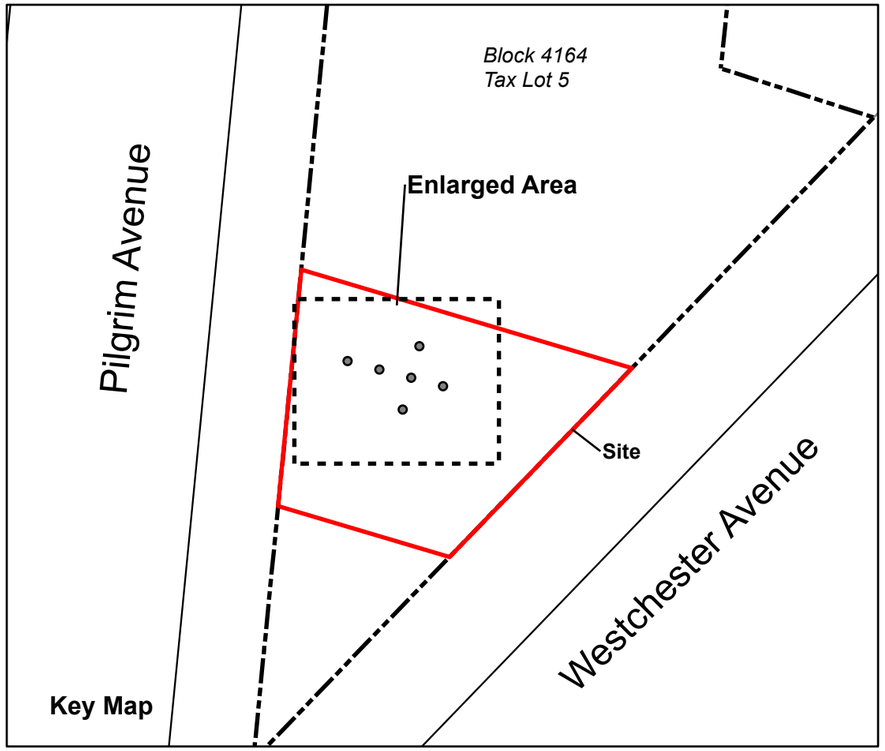
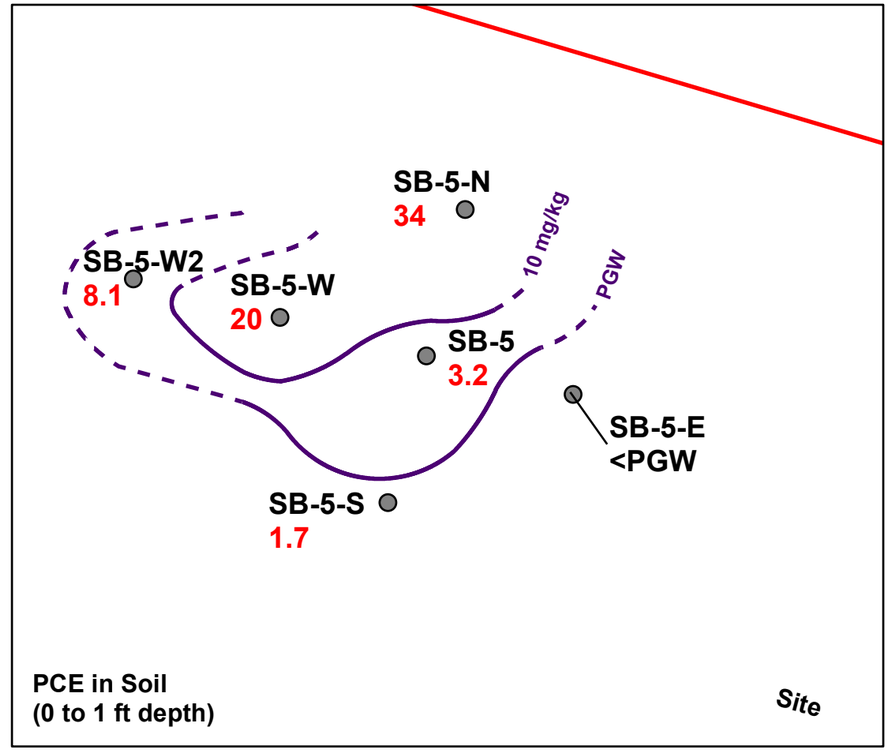
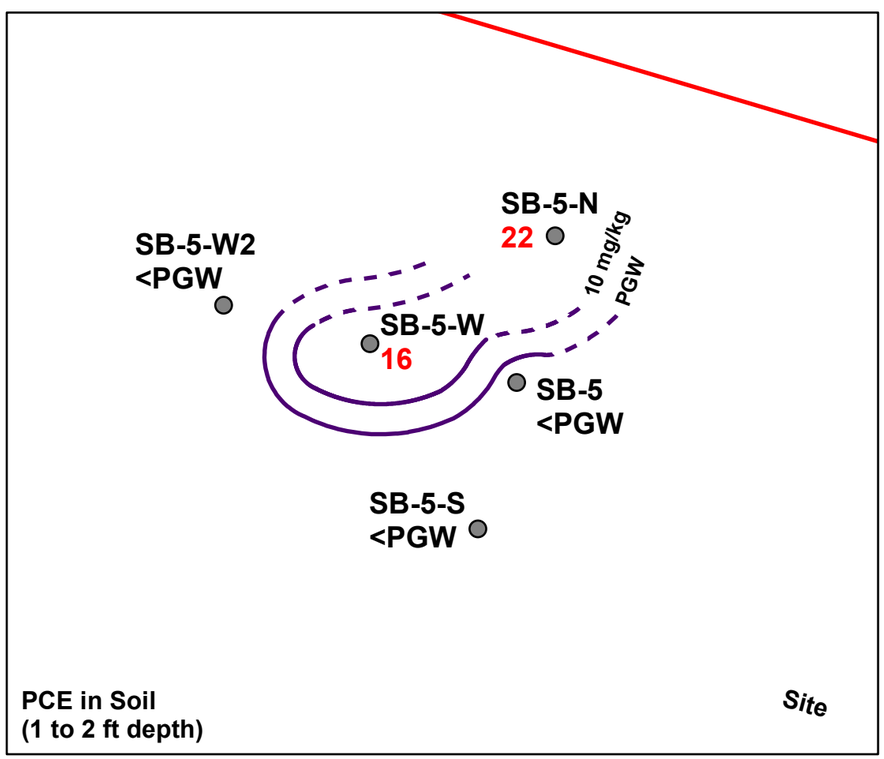
Drawn By: LM
Checked By: AP
Date: December 2020
Scale: As Noted

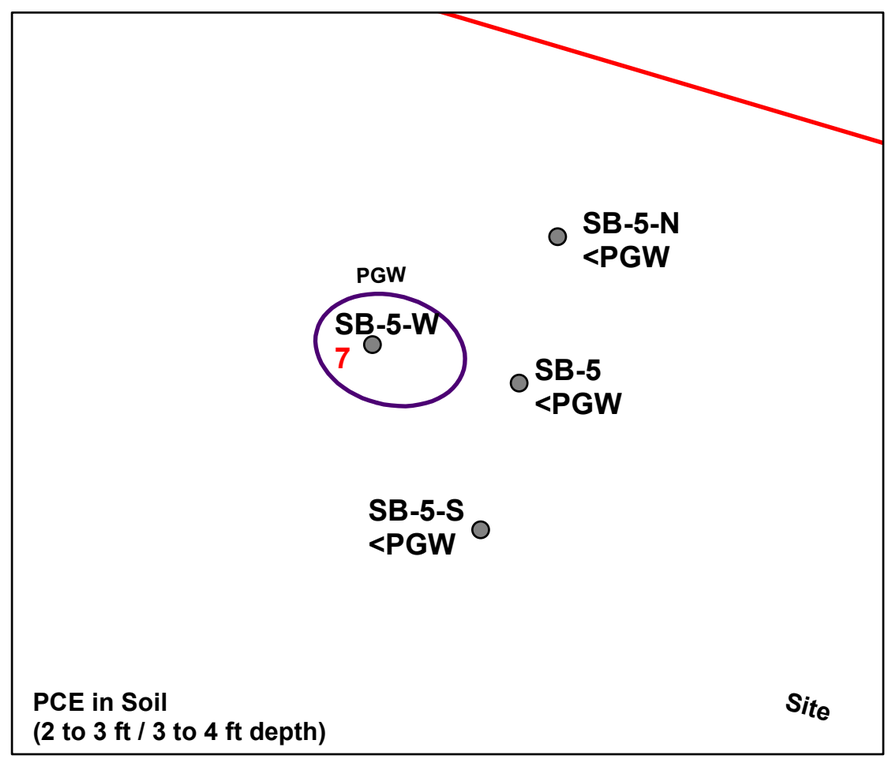
Drawing Title: **PCE Impacts above Groundwater Standards - Cross-Sections**

Drawing No: **Figure 9**









Approximate Areas of PCE in Soil		
Depth	Area > 10 mg/kg	Area <10 mg/kg, >PGW
0-1 ft	50 sf	60 sf
1-2 ft	30 sf	30 sf
2-3 ft	0	15 sf

Note:
PGW - Protection of Groundwater Standard

Legend

- Soil Delineation Sample Locations
- Contour PCE in Soil
- Contour PCE in Soil (Inferred)
- Neighboring Tax Lots
- Block 4164, Tax Lot 5
- Site Location 2921 Westchester Avenue

Source: NYC DOF - Digital Tax Map

0 2.5 5 10 Feet

Site

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Bronx, New York
Block 4164, Lot 5

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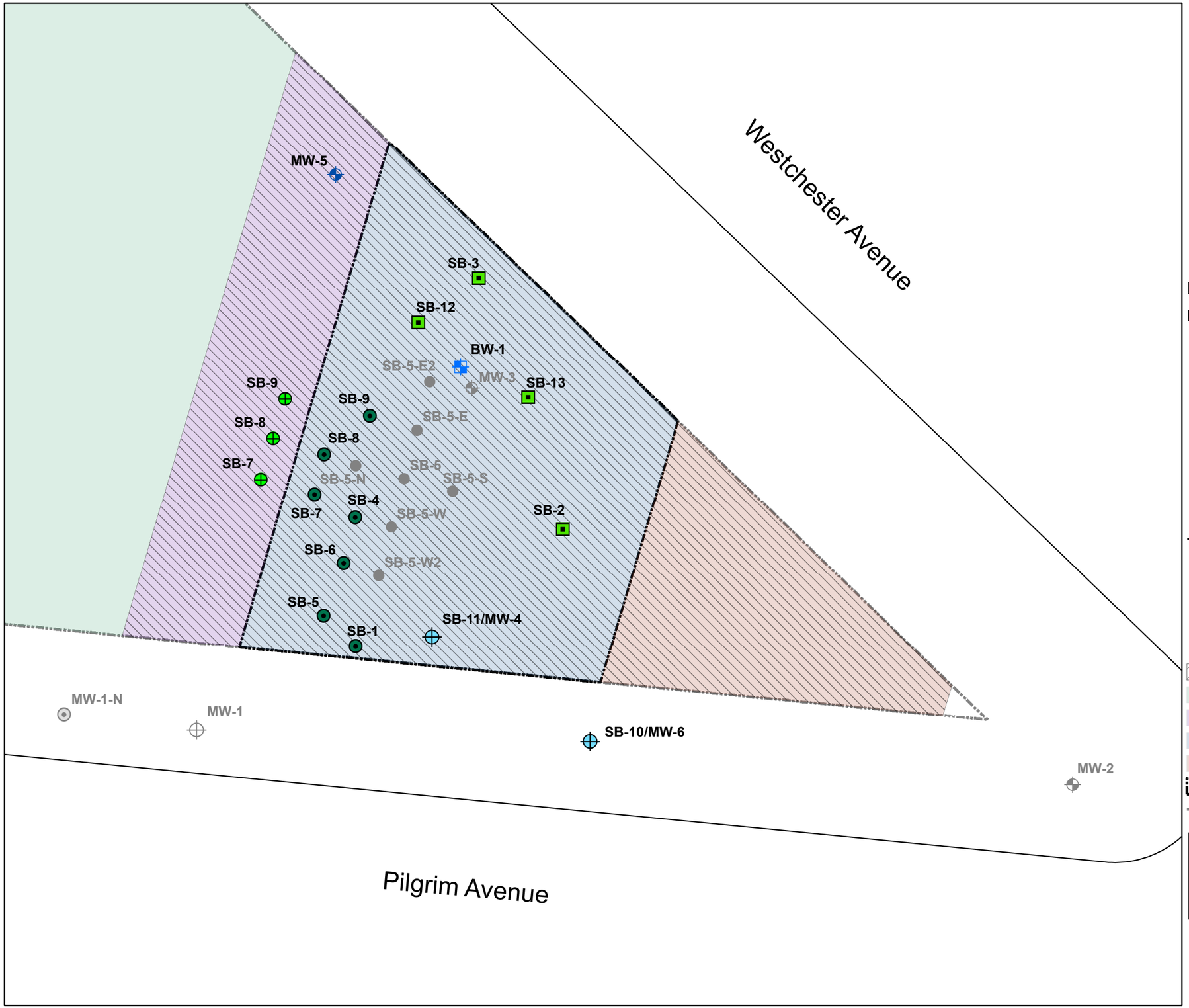
Drawn By: LM
Checked By: AP
Date: December 2020
Scale: As Noted

Drawing Title: **PCE Isopleths in Soil (0 to 1 ft, 1 ft to 2 ft, & 2 ft to 3 ft depths)**

Drawing No: **Figure 10**



Legend

Proposed RI Sample Locations

- Delineation Boring Sample Location
- Characterization Boring Sample Location
- Monitoring Well Sample Location
- Monitoring Well Location (Bedrock Well)
- Soil Boring/ Monitoring Well Location
- Contingency Borings

Tenen Due Diligence Sample Locations

- Soil Boring Sample Location
- Groundwater Sample Location
- Soil Boring/Groundwater Sample Location
- Soil Delineation Sample Locations
- Cellar Spaces
- Home Store
- Boost Mobile
- Site/Vacant Space
- Barber Shop
- Site Boundary
- Tax Lot

Note: Contingency Borings will be installed if the corresponding Delineation Borings cannot be installed due to the presence of foundational elements.

0 2.5 5 10 15 20 Feet

Site

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Bronx, New York
Block 4164, Lot 5

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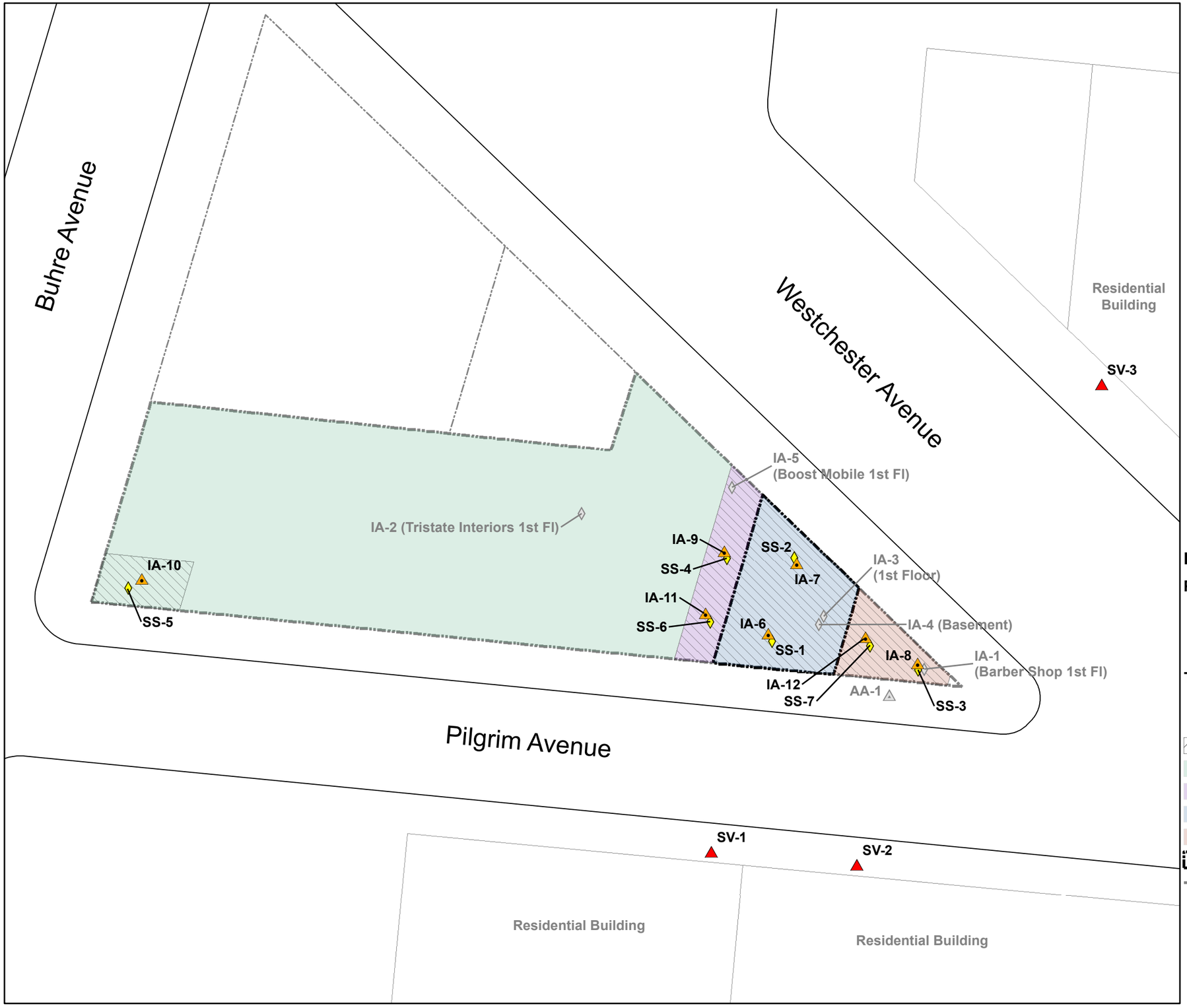
Drawn By	Checked By	Date	Scale
LM	AP	December 2020	As Noted

Drawing Title: **Proposed Soil and Groundwater Sampling Locations**

Drawing No: **Figure 11a**



Legend

Proposed RI Sample Locations

- Soil Vapor Sample Location
- Sub-Slab Soil Vapor Location
- Indoor Air Sample Location

Tenen Due Diligence Sample Locations

- Ambient Air Sample Location
- Indoor Air Sample Location
- Cellar Spaces
- Home Store
- Boost Mobile
- Site/Vacant Space
- Barber Shop
- Site Boundary
- Tax Lot

Feet
0 5 10 20 30 40

Site

2921 Westchester Avenue
Bronx, New York
Block 4164, Lot 5

TENEN ENVIRONMENTAL
Tenen Environmental, LLC
121 West 27th Street
Suite 702
New York, NY 10001
O: (646) 606-2332
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Drawn By	LM
Checked By	AP
Date	December 2020
Scale	As Noted

Drawing Title
Proposed Soil Vpaor and Indoor Air Sampling Locations

Drawing No
Figure 11b

Tables

Table 1. Historic Indoor Air Analytical Data
2921 Westchester Avenue
BCP #C203140

SAMPLE ID:	NYSDOH AGVs	EPA-VISL-TIACs	Units	AA-1		IA-1		IA-2		IA-3		IA-4		IA-5	
LAB ID:				L1945065-01		L1945065-02		L1945065-03		L1945065-04		L1945065-05		L1945065-06	
COLLECTION DATE:				9/27/2019		9/27/2019		9/27/2019		9/27/2019		9/27/2019		9/27/2019	
				Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q
Volatile Organic Compounds															
Dichlorodifluoromethane	NS	440	ug/m^3	1.79		1.67		1.79		1.77		1.75		1.76	
Chloromethane	NS	390	ug/m^3	0.96		1.19		1.06		1.07		0.725		1.11	
Freon-114	NS	NS	ug/m^3	ND		ND		ND		ND		ND		ND	
Vinyl chloride	NS	2.8	ug/m^3	ND		ND		ND		ND		0.054		ND	
1,3-Butadiene	NS	0.41	ug/m^3	ND		ND		**0.586**		ND		ND		ND	
Bromomethane	NS	22	ug/m^3	ND		ND		ND		ND		ND		ND	
Chloroethane	NS	NS	ug/m^3	ND		ND		ND		ND		ND		ND	
Ethanol	NS	NS	ug/m^3	--		5350		--		--		--		--	
Ethanol	NS	NS	ug/m^3	15.3		4260	E	55.2		315		11.9		64.3	
Vinyl bromide	NS	0.38	ug/m^3	ND		ND		ND		ND		ND		ND	
Acetone	NS	140000	ug/m^3	4.75		59.4		40.6		56.1		7.46		25.9	
Trichlorofluoromethane	NS	NS	ug/m^3	ND		ND		ND		ND		ND		ND	
Isopropanol	NS	880	ug/m^3	--		**2160**		--		--		--		--	
Isopropanol	NS	880	ug/m^3	1.66		**2220**	**E**	3.69		146		11.3		79.4	
1,1-Dichloroethene	NS	880	ug/m^3	ND		ND		ND		ND		ND		ND	
tert-Butyl Alcohol	NS	NS	ug/m^3	ND		12.9		ND		ND		ND		ND	
Methylene chloride	60	1200	ug/m^3	ND		ND		8.69		ND		ND		ND	
3-Chloropropene	NS	NS	ug/m^3	ND		ND		ND		ND		ND		ND	
Carbon disulfide	NS	3100	ug/m^3	ND		ND		ND		ND		ND		ND	
Freon-113	NS	NS	ug/m^3	ND		ND		ND		ND		ND		ND	
trans-1,2-Dichloroethene	NS	NS	ug/m^3	ND		ND		ND		ND		ND		ND	
1,1-Dichloroethane	NS	7.7	ug/m^3	ND		ND		ND		ND		ND		ND	
Methyl tert butyl ether	NS	47	ug/m^3	ND		ND		ND		ND		ND		ND	
2-Butanone	NS	NS	ug/m^3	ND		ND		66.9		ND		ND		4.31	
cis-1,2-Dichloroethene	NS	NS	ug/m^3	ND		ND		ND		0.111		2.05		0.583	
Ethyl Acetate	NS	310	ug/m^3	ND		ND		ND		ND		ND		ND	
Chloroform	NS	0.53	ug/m^3	ND		ND		ND		ND		**11.1**		**2.39**	
Tetrahydrofuran	NS	8800	ug/m^3	ND		ND		27.7		ND		ND		2.09	
1,2-Dichloroethane	NS	0.47	ug/m^3	ND		ND		ND		ND		ND		ND	
n-Hexane	NS	3100	ug/m^3	ND		2.67		5		0.772		ND		1.37	
1,1,1-Trichloroethane	NS	22000	ug/m^3	ND		ND		ND		ND		ND		ND	
Benzene	NS	1.6	ug/m^3	ND		1.09		**2.36**		0.649		ND		0.706	
Carbon tetrachloride	NS	2	ug/m^3	0.34		0.315		0.289		0.333		0.315		0.352	
Cyclohexane	NS	26000	ug/m^3	ND		ND		1.67		ND		ND		ND	
1,2-Dichloropropane	NS	3.3	ug/m^3	ND		ND		ND		ND		ND		ND	
Bromodichloromethane	NS	0.33	ug/m^3	ND		ND		ND		ND		ND		ND	
1,4-Dioxane	NS	2.5	ug/m^3	ND		ND		ND		ND		ND		ND	
Trichloroethene	2	3	ug/m^3	ND		ND		ND		ND		0.822		0.188	
2,2,4-Trimethylpentane	NS	NS	ug/m^3	ND		3.76		3.67		1		ND		0.986	
Heptane	NS	NS	ug/m^3	ND		0.848		2.81		ND		ND		ND	
cis-1,3-Dichloropropene	NS	3.1	ug/m^3	ND		ND		ND		ND		ND		ND	
4-Methyl-2-pentanone	NS	13000	ug/m^3	ND		ND		ND		ND		ND		ND	
trans-1,3-Dichloropropene	NS	3.1	ug/m^3	ND		ND		ND		ND		ND		ND	
1,1,2-Trichloroethane	NS	0.77	ug/m^3	ND		ND		ND		ND		ND		ND	
Toluene	NS	22000	ug/m^3	1.2		3.99		14.1		3.56		0.844		3.13	
2-Hexanone	NS	130	ug/m^3	ND		ND		ND		ND		ND		ND	
Dibromochloromethane	NS	NS	ug/m^3	ND		ND		ND		ND		ND		ND	
1,2-Dibromoethane	NS	0.02	ug/m^3	ND		ND		ND		ND		ND		ND	
Tetrachloroethene	30	47	ug/m^3	0.292		0.461		0.712		1.81		10.2		1.84	
Chlorobenzene	NS	220	ug/m^3	ND		ND		ND		ND		ND		ND	
Ethylbenzene	NS	4.9	ug/m^3	ND		ND		3.37		ND		ND		ND	
p/m-Xylene	NS	440	ug/m^3	ND		ND		12.2		ND		ND		ND	
Bromoform	NS	11	ug/m^3	ND		ND		ND		ND		ND		ND	
Styrene	NS	4400	ug/m^3	ND		ND		ND		ND		ND		ND	
1,1,2,2-Tetrachloroethane	NS	0.21	ug/m^3	ND		ND		ND		ND		ND		ND	
o-Xylene	NS	440	ug/m^3	ND		ND		3.09		ND		ND		ND	
4-Ethyltoluene	NS	NS	ug/m^3	ND		ND		ND		ND		ND		ND	
1,3,5-Trimethylbenzene	NS	260	ug/m^3	ND		ND		ND		ND		ND		ND	
1,2,4-Trimethylbenzene	NS	260	ug/m^3	ND		ND		1.66		ND		ND		ND	
Benzyl chloride	NS	0.25	ug/m^3	ND		ND		ND		ND		ND		ND	
1,3-Dichlorobenzene	NS	NS	ug/m^3	ND		ND		ND		ND		ND		ND	
1,4-Dichlorobenzene	NS	1.1	ug/m^3	ND		ND		ND		ND		ND		ND	
1,2-Dichlorobenzene	NS	880	ug/m^3	ND		ND		ND		ND		ND		ND	
1,2,4-Trichlorobenzene	NS	8.8	ug/m^3	ND		ND		ND		ND		ND		ND	
Hexachlorobutadiene	NS	0.56	ug/m^3	ND		ND		ND		ND		ND		ND	

Notes:
Bold and shaded yellow value indicates indoor air concentration exceeds EPA-VISL-TIACs
NYSDOH AGVs = New York State Department of Health Air Guidance Values, Guidance for Evaluating Soil Vapor Intrustion in the State of NY, Final October 2006 with May 2017 updates
EPA-VISL-TIACs = Environmental Protection Agency Vapor Intrusion Screening Limits, Commercial Target Indoor Air Concentration
Q = Laboratory Data Qualifier
ND = Not Detected
NS = No Standard

Table 2. Historic Soil Vapor Analytical Data
2921 Westchester Avenue
BCP #C203140

CLIENT SAMPLE ID	Units	SSV01		SSV02		SSV03	
SAMPLING DATE		8/1/2019		8/1/2019		8/1/2019	
LAB SAMPLE ID		19H0064-01		19H0064-02		19H0064-03	
			Qual		Qual		Qual
Volatile Organic Compounds							
1,1,1,2-Tetrachloroethane	ug/m3	ND		ND		ND	
1,1,1-Trichloroethane	ug/m3	ND		ND		ND	
1,1,2,2-Tetrachloroethane	ug/m3	ND		ND		ND	
Freon-113	ug/m3	ND		ND		ND	
1,1,2-Trichloroethane	ug/m3	ND		ND		ND	
1,1-Dichloroethane	ug/m3	ND		ND		ND	
1,1-Dichloroethene	ug/m3	ND		ND		ND	
1,2,4-Trichlorobenzene	ug/m3	ND		ND		24	D
1,2,4-Trimethylbenzene	ug/m3	1.8	D	ND		ND	
1,2-Dibromoethane	ug/m3	ND		ND		ND	
1,2-Dichlorobenzene	ug/m3	ND		ND		ND	
1,2-Dichloroethane	ug/m3	ND		ND		ND	
1,2-Dichloropropane	ug/m3	ND		ND		ND	
1,2-Dichlorotetrafluoroethane	ug/m3	ND		ND		ND	
1,3,5-Trimethylbenzene	ug/m3	ND		ND		ND	
1,3-Butadiene	ug/m3	ND		ND		ND	
1,3-Dichlorobenzene	ug/m3	ND		ND		ND	
1,3-Dichloropropane	ug/m3	ND		ND		ND	
1,4-Dichlorobenzene	ug/m3	ND		ND		ND	
1,4-Dioxane	ug/m3	ND		ND		ND	
2-Butanone	ug/m3	0.66	D	0.78	D	1.3	D
2-Hexanone	ug/m3	ND		ND		ND	
3-Chloropropane	ug/m3	ND		ND		ND	
4-Methyl-2-pentanone	ug/m3	ND		ND		ND	
Acetone	ug/m3	9.6	D	6.7	D	55	D
Acrylonitrile	ug/m3	ND		ND		ND	
Benzene	ug/m3	0.66	D	0.58	D	1.9	D
Benzyl chloride	ug/m3	ND		ND		ND	
Bromodichloromethane	ug/m3	ND		ND		ND	
Bromoform	ug/m3	ND		ND		ND	
Bromomethane	ug/m3	ND		ND		ND	
Carbon disulfide	ug/m3	0.7	D	ND		ND	
Carbon tetrachloride	ug/m3	0.54	D	0.52	D	ND	
Chlorobenzene	ug/m3	ND		ND		ND	
Chloroethane	ug/m3	ND		ND		ND	
Chloroform	ug/m3	5.1	D	3	D	ND	
Chloromethane	ug/m3	0.75	D	1	D	1.7	D
cis-1,2-Dichloroethene	ug/m3	63	D	23	D	ND	
cis-1,3-Dichloropropene	ug/m3	ND		ND		ND	
Cyclohexane	ug/m3	ND		ND		ND	
Dibromochloromethane	ug/m3	ND		ND		ND	
Dichlorodifluoromethane	ug/m3	2.2	D	2	D	ND	
Ethyl acetate	ug/m3	ND		ND		ND	
Ethyl benzene	ug/m3	ND		ND		ND	
Hexachlorobutadiene	ug/m3	ND		ND		ND	
Isopropanol	ug/m3	ND		ND		13	D
Methyl methacrylate	ug/m3	1.2	D	ND		ND	
Methyl tera butyl ether	ug/m3	ND		ND		ND	
Methylene chloride	ug/m3	4.9	D	2	D	3.3	D
n-Heptane	ug/m3	ND		ND		ND	
n-Hexane	ug/m3	ND		ND		ND	
o-Xylene	ug/m3	1.6	D	ND		ND	
p/m-Xylenes	ug/m3	2.4	D	ND		ND	
p-Ethyltoluene	ug/m3	1.1	D	ND		ND	
Propylene	ug/m3	ND		ND		1.1	D
Styrene	ug/m3	0.88	D	ND		ND	
Tetrachloroethene	ug/m3	230	D	100	D	ND	
Tetrahydrofuran	ug/m3	ND		ND		ND	
Toluene	ug/m3	2.8	D	1.5	D	5.4	D
trans-1,2-Dichloroethene	ug/m3	23	D	3.2	D	2.8	D
trans-1,3-Dichloropropene	ug/m3	ND		ND		ND	
Trichloroethene	ug/m3	33	D	11	D	ND	
Trichlorofluoromethane	ug/m3	1.6	D	1.6	D	ND	
Vinyl acetate	ug/m3	ND		ND		ND	
Vinyl bromide	ug/m3	ND		ND		ND	
Vinyl chloride	ug/m3	1.1	D	0.42	D	ND	

Notes:
D = Diluted
ND = Not detected
All samples were collected as part of Castleton's 2019 Phase II ESI

Table 3. Historic Soil Analytical Data
2921 Westchester Avenue
BCP #C203140

CLIENT SAMPLE ID	NY-PGW	NY-RESC	Units	SB01		SB02		SB05	
SAMPLING DATE				8/9/2019		8/9/2019		8/9/2019	
LAB SAMPLE ID				19H0455-01		19H0455-02		19H0455-05	
					Qual		Qual		Qual
General Chemistry									
Solids, Total	NS	NS	%	78.8		77.7		79.6	
Volatile Organics by EPA 5035									
1,1,1,2-Tetrachloroethane	NS	NS	mg/kg	ND		ND		ND	
1,1,1-Trichloroethane	0.68	500	mg/kg	ND		ND		ND	
1,1,2,2-Tetrachloroethane	NS	NS	mg/kg	ND		ND		ND	
Freon-113	NS	NS	mg/kg	ND		ND		ND	
1,1,2-Trichloroethane	NS	NS	mg/kg	ND		ND		ND	
1,1-Dichloroethane	0.27	240	mg/kg	ND		ND		ND	
1,1-Dichloroethene	0.33	500	mg/kg	ND		ND		ND	
1,1-Dichloropropene	NS	NS	mg/kg	--		--		--	
1,2,3-Trichlorobenzene	NS	NS	mg/kg	ND		ND		ND	
1,2,3-Trichloropropane	NS	NS	mg/kg	ND		ND		ND	
1,2,4,5-Tetramethylbenzene	NS	NS	mg/kg	--		--		--	
1,2,4-Trichlorobenzene	NS	NS	mg/kg	ND		ND		ND	
1,2,4-Trimethylbenzene	3.6	190	mg/kg	ND		ND		ND	
1,2-Dibromo-3-chloropropane	NS	NS	mg/kg	ND		ND		ND	
1,2-Dibromoethane	NS	NS	mg/kg	ND		ND		ND	
1,2-Dichlorobenzene	1.1	500	mg/kg	ND		ND		ND	
1,2-Dichloroethane	0.02	30	mg/kg	ND		ND		ND	
1,2-Dichloroethene, Total	NS	NS	mg/kg	--		--		--	
1,2-Dichloropropane	NS	NS	mg/kg	ND		ND		ND	
1,3,5-Trimethylbenzene	8.4	190	mg/kg	ND		ND		ND	
1,3-Dichlorobenzene	2.4	280	mg/kg	ND		ND		ND	
1,3-Dichloropropane	NS	NS	mg/kg	--		--		--	
1,3-Dichloropropene, Total	NS	NS	mg/kg	--		--		--	
1,4-Dichlorobenzene	1.8	130	mg/kg	ND		ND		ND	
1,4-Dioxane	0.1	130	mg/kg	ND		ND		ND	
2,2-Dichloropropane	NS	NS	mg/kg	--		--		--	
2-Butanone	0.12	500	mg/kg	ND		ND		ND	
2-Hexanone	NS	NS	mg/kg	ND		ND		ND	
4-Methyl-2-pentanone	NS	NS	mg/kg	ND		ND		ND	
Acetone	0.05	500	mg/kg	0.011	J	0.012	J	0.013	J
Acrolein	NS	NS	mg/kg	ND		ND		ND	
Acrylonitrile	NS	NS	mg/kg	ND		ND		ND	
Benzene	0.06	44	mg/kg	ND		ND		ND	
Bromobenzene	NS	NS	mg/kg	--		--		--	
Bromochloromethane	NS	NS	mg/kg	ND		ND		ND	
Bromodichloromethane	NS	NS	mg/kg	ND		ND		ND	
Bromoform	NS	NS	mg/kg	ND		ND		ND	
Bromomethane	NS	NS	mg/kg	ND		ND		ND	
Carbon disulfide	NS	NS	mg/kg	ND		ND		ND	
Carbon tetrachloride	0.76	22	mg/kg	ND		ND		ND	
Chlorobenzene	1.1	500	mg/kg	ND		ND		ND	
Chloroethane	NS	NS	mg/kg	ND		ND		ND	
Chloroform	0.37	350	mg/kg	ND		ND		ND	
Chloromethane	NS	NS	mg/kg	ND		ND		ND	
cis-1,2-Dichloroethene	0.25	500	mg/kg	**0.86**		0.014		**2.7**	**D**
cis-1,3-Dichloropropene	NS	NS	mg/kg	ND		ND		ND	
Cyclohexane	NS	NS	mg/kg	ND		ND		ND	
Dibromochloromethane	NS	NS	mg/kg	ND		ND		ND	

Table 3. Historic Soil Analytical Data
2921 Westchester Avenue
BCP #C203140

CLIENT SAMPLE ID	NY-PGW	NY-RESC	Units	SB01		SB02		SB05	
SAMPLING DATE				8/9/2019		8/9/2019		8/9/2019	
LAB SAMPLE ID				19H0455-01		19H0455-02		19H0455-05	
					Qual		Qual		Qual
Dibromomethane	NS	NS	mg/kg	ND		ND		ND	
Dichlorodifluoromethane	NS	NS	mg/kg	ND		ND		ND	
Ethyl ether	NS	NS	mg/kg	--		--		--	
Ethylbenzene	1	390	mg/kg	ND		ND		ND	
Hexachlorobutadiene	NS	NS	mg/kg	ND		ND		ND	
Isopropylbenzene	NS	NS	mg/kg	ND		ND		ND	
Methyl acetate	NS	NS	mg/kg	ND		ND		ND	
Methyl tert butyl ether	0.93	500	mg/kg	ND		ND		ND	
Methylcyclohexane	NS	NS	mg/kg	ND		ND		ND	
Methylene chloride	0.05	500	mg/kg	ND		ND		ND	
n-Butylbenzene	12	500	mg/kg	ND		ND		ND	
n-Propylbenzene	3.9	500	mg/kg	ND		ND		ND	
Naphthalene	12	500	mg/kg	--		--		--	
o-Chlorotoluene	NS	NS	mg/kg	--		--		--	
o-Xylene	NS	NS	mg/kg	ND		ND		ND	
p-Chlorotoluene	NS	NS	mg/kg	--		--		--	
p-Diethylbenzene	NS	NS	mg/kg	--		--		--	
p-Ethyltoluene	NS	NS	mg/kg	--		--		--	
p-Isopropyltoluene	NS	NS	mg/kg	ND		ND		ND	
p/m-Xylene	NS	NS	mg/kg	ND		ND		ND	
sec-Butylbenzene	11	500	mg/kg	ND		ND		ND	
Styrene	NS	NS	mg/kg	ND		ND		ND	
tert-Butyl alcohol	NS	NS	mg/kg	ND		ND		ND	
tert-Butylbenzene	5.9	500	mg/kg	ND		ND		ND	
Tetrachloroethene	1.3	150	mg/kg	0.33		0.13		**21**	**D**
Toluene	0.7	500	mg/kg	ND		ND		ND	
trans-1,2-Dichloroethene	0.19	500	mg/kg	ND		ND		0.006	J
trans-1,3-Dichloropropene	NS	NS	mg/kg	ND		ND		ND	
trans-1,4-Dichloro-2-butene	NS	NS	mg/kg	ND		ND		ND	
Trichloroethene	0.47	200	mg/kg	0.055		0.015		**3.3**	**D**
Trichlorofluoromethane	NS	NS	mg/kg	ND		ND		ND	
Vinyl acetate	NS	NS	mg/kg	--		--		--	
Vinyl chloride	0.02	13	mg/kg	ND		ND		ND	
Xylenes, Total	1.6	500	mg/kg	ND		ND		ND	
Total Metals									
Arsenic, Total	16	16	mg/kg	--		--		--	
Barium, Total	820	400	mg/kg	--		--		--	
Cadmium, Total	7.5	9.3	mg/kg	--		--		--	
Chromium, Total	NS	NS	mg/kg	--		--		--	
Lead, Total	450	1000	mg/kg	--		--		--	
Mercury, Total	0.73	2.8	mg/kg	--		--		--	
Selenium, Total	4	1500	mg/kg	--		--		--	
Silver, Total	8.3	1500	mg/kg	--		--		--	

Notes:
Bold and shaded yellow value indicates concentrations exceeds NY-PGW SCOs
Concentrations in all samples met NY-RESC SCOs for all analytes
NY-PGW = 6 NYCRR Part 375 Restricted Protection of Groundwater Soil Cleanup Objectives

Table 3. Historic Soil Analytical Data
2921 Westchester Avenue
BCP #C203140

CLIENT SAMPLE ID	NY-PGW	NY-RESC	Units	SB01	SB02	SB05
SAMPLING DATE				8/9/2019	8/9/2019	8/9/2019
LAB SAMPLE ID				19H0455-01	19H0455-02	19H0455-05
				Qual	Qual	Qual

NY-RESC = 6 NYCRR Part 375 Restricted Commercial Use Soil Cleanup Objectives
J = Estimated value
ND = Not detected
NS = No standard
-- = Not analyzed
Samples SB01, SB02, and SB05 collected as part of Castleton's 2019 Phase II ESI

Table 3. Historic Soil Analytical Data
2921 Westchester Avenue
BCP #C203140

CLIENT SAMPLE ID	NY-PGW	NY-RESC	Units	MW-1 (16-18)		SB-5 (0-1)		SB-5 (1-2)	
SAMPLING DATE				9/27/2019		2/27/2020		2/27/2020	
LAB SAMPLE ID				L1945056-01		L2008988-01		L2008988-02	
					Qual		Qual		Qual
General Chemistry									
Solids, Total	NS	NS	%	93.6		89.3		91.6	
Volatile Organics by EPA 5035									
1,1,1,2-Tetrachloroethane	NS	NS	mg/kg	ND		ND		ND	
1,1,1-Trichloroethane	0.68	500	mg/kg	ND		ND		ND	
1,1,2,2-Tetrachloroethane	NS	NS	mg/kg	ND		ND		ND	
Freon-113	NS	NS	mg/kg	--		--		--	
1,1,2-Trichloroethane	NS	NS	mg/kg	ND		ND		ND	
1,1-Dichloroethane	0.27	240	mg/kg	ND		ND		ND	
1,1-Dichloroethene	0.33	500	mg/kg	ND		ND		ND	
1,1-Dichloropropene	NS	NS	mg/kg	ND		ND		ND	
1,2,3-Trichlorobenzene	NS	NS	mg/kg	ND		ND		ND	
1,2,3-Trichloropropane	NS	NS	mg/kg	ND		ND		ND	
1,2,4,5-Tetramethylbenzene	NS	NS	mg/kg	ND		ND		ND	
1,2,4-Trichlorobenzene	NS	NS	mg/kg	ND		ND		ND	
1,2,4-Trimethylbenzene	3.6	190	mg/kg	ND		ND		ND	
1,2-Dibromo-3-chloropropane	NS	NS	mg/kg	ND		ND		ND	
1,2-Dibromoethane	NS	NS	mg/kg	ND		ND		ND	
1,2-Dichlorobenzene	1.1	500	mg/kg	ND		ND		ND	
1,2-Dichloroethane	0.02	30	mg/kg	ND		ND		ND	
1,2-Dichloroethene, Total	NS	NS	mg/kg	ND		1.5	J	0.0013	
1,2-Dichloropropane	NS	NS	mg/kg	ND		ND		ND	
1,3,5-Trimethylbenzene	8.4	190	mg/kg	ND		ND		ND	
1,3-Dichlorobenzene	2.4	280	mg/kg	ND		ND		ND	
1,3-Dichloropropane	NS	NS	mg/kg	ND		ND		ND	
1,3-Dichloropropene, Total	NS	NS	mg/kg	ND		ND		ND	
1,4-Dichlorobenzene	1.8	130	mg/kg	ND		ND		ND	
1,4-Dioxane	0.1	130	mg/kg	ND		ND		ND	
2,2-Dichloropropane	NS	NS	mg/kg	ND		ND		ND	
2-Butanone	0.12	500	mg/kg	ND		ND		ND	
2-Hexanone	NS	NS	mg/kg	ND		ND		ND	
4-Methyl-2-pentanone	NS	NS	mg/kg	ND		ND		ND	
Acetone	0.05	500	mg/kg	0.0054	J	ND		ND	
Acrolein	NS	NS	mg/kg	--		--		--	
Acrylonitrile	NS	NS	mg/kg	ND		ND		ND	
Benzene	0.06	44	mg/kg	ND		ND		ND	
Bromobenzene	NS	NS	mg/kg	ND		ND		ND	
Bromochloromethane	NS	NS	mg/kg	ND		ND		ND	
Bromodichloromethane	NS	NS	mg/kg	ND		ND		ND	
Bromoform	NS	NS	mg/kg	ND		ND		ND	
Bromomethane	NS	NS	mg/kg	ND		ND		ND	
Carbon disulfide	NS	NS	mg/kg	ND		ND		ND	
Carbon tetrachloride	0.76	22	mg/kg	ND		ND		ND	
Chlorobenzene	1.1	500	mg/kg	ND		ND		ND	
Chloroethane	NS	NS	mg/kg	ND		ND		ND	
Chloroform	0.37	350	mg/kg	0.00017	J	ND		ND	
Chloromethane	NS	NS	mg/kg	ND		ND		ND	
cis-1,2-Dichloroethene	0.25	500	mg/kg	ND		**1.5**		0.0013	
cis-1,3-Dichloropropene	NS	NS	mg/kg	ND		ND		ND	
Cyclohexane	NS	NS	mg/kg	--		--		--	
Dibromochloromethane	NS	NS	mg/kg	ND		ND		ND	

Table 3. Historic Soil Analytical Data
2921 Westchester Avenue
BCP #C203140

CLIENT SAMPLE ID	NY-PGW	NY-RESC	Units	MW-1 (16-18)		SB-5 (0-1)		SB-5 (1-2)	
SAMPLING DATE				9/27/2019		2/27/2020		2/27/2020	
LAB SAMPLE ID				L1945056-01		L2008988-01		L2008988-02	
					Qual		Qual		Qual
Dibromomethane	NS	NS	mg/kg	ND		ND		ND	
Dichlorodifluoromethane	NS	NS	mg/kg	ND		ND		ND	
Ethyl ether	NS	NS	mg/kg	ND		ND		ND	
Ethylbenzene	1	390	mg/kg	ND		ND		ND	
Hexachlorobutadiene	NS	NS	mg/kg	ND		ND		ND	
Isopropylbenzene	NS	NS	mg/kg	ND		ND		ND	
Methyl acetate	NS	NS	mg/kg	--		--		--	
Methyl tert butyl ether	0.93	500	mg/kg	ND		ND		ND	
Methylcyclohexane	NS	NS	mg/kg	--		--		--	
Methylene chloride	0.05	500	mg/kg	ND		ND		ND	
n-Butylbenzene	12	500	mg/kg	ND		ND		ND	
n-Propylbenzene	3.9	500	mg/kg	ND		ND		ND	
Naphthalene	12	500	mg/kg	ND		ND		ND	
o-Chlorotoluene	NS	NS	mg/kg	ND		ND		ND	
o-Xylene	NS	NS	mg/kg	ND		ND		ND	
p-Chlorotoluene	NS	NS	mg/kg	ND		ND		ND	
p-Diethylbenzene	NS	NS	mg/kg	ND		ND		ND	
p-Ethyltoluene	NS	NS	mg/kg	ND		ND		ND	
p-Isopropyltoluene	NS	NS	mg/kg	ND		ND		ND	
p/m-Xylene	NS	NS	mg/kg	ND		ND		ND	
sec-Butylbenzene	11	500	mg/kg	ND		ND		ND	
Styrene	NS	NS	mg/kg	ND		ND		ND	
tert-Butyl alcohol	NS	NS	mg/kg	--		--		--	
tert-Butylbenzene	5.9	500	mg/kg	ND		ND		ND	
Tetrachloroethene	1.3	150	mg/kg	ND		**3.2**		0.0014	
Toluene	0.7	500	mg/kg	ND		ND		ND	
trans-1,2-Dichloroethene	0.19	500	mg/kg	ND		0.018	J	ND	
trans-1,3-Dichloropropene	NS	NS	mg/kg	ND		ND		ND	
trans-1,4-Dichloro-2-butene	NS	NS	mg/kg	ND		ND		ND	
Trichloroethene	0.47	200	mg/kg	ND		**1.8**		0.0002	J
Trichlorofluoromethane	NS	NS	mg/kg	ND		ND		ND	
Vinyl acetate	NS	NS	mg/kg	ND		ND		ND	
Vinyl chloride	0.02	13	mg/kg	ND		ND		ND	
Xylenes, Total	1.6	500	mg/kg	ND		ND		ND	
Total Metals									
Arsenic, Total	16	16	mg/kg	0.27	J	--		--	
Barium, Total	820	400	mg/kg	43.5		--		--	
Cadmium, Total	7.5	9.3	mg/kg	0.11	J	--		--	
Chromium, Total	NS	NS	mg/kg	27		--		--	
Lead, Total	450	1000	mg/kg	2.17		--		--	
Mercury, Total	0.73	2.8	mg/kg	ND		--		--	
Selenium, Total	4	1500	mg/kg	ND		--		--	
Silver, Total	8.3	1500	mg/kg	ND		--		--	

Notes:
Bold and shaded yellow value indicates concentrations exceeds NY-PGW SCOs
Concentrations in all samples met NY-RESC SCOs for all analytes
NY-PGW = 6 NYCRR Part 375 Restricted Protection of Groundwater Soil Cleanup Objectives

Table 3. Historic Soil Analytical Data
2921 Westchester Avenue
BCP #C203140

CLIENT SAMPLE ID	NY-PGW	NY-RESC	Units	MW-1 (16-18)	SB-5 (0-1)	SB-5 (1-2)
SAMPLING DATE				9/27/2019	2/27/2020	2/27/2020
LAB SAMPLE ID				L1945056-01	L2008988-01	L2008988-02
				Qual	Qual	Qual

NY-RESC = 6 NYCRR Part 375 Restricted Commercial Use Soil Cleanup Objectives
J = Estimated value
ND = Not detected
NS = No standard
-- = Not analyzed
Samples SB01, SB02, and SB05 collected as part of Castleton's 2019 Phase II ESI

Table 3. Historic Soil Analytical Data
2921 Westchester Avenue
BCP #C203140

CLIENT SAMPLE ID	NY-PGW	NY-RESC	Units	SB-5 (2-3)		SB-5 (3-4)		SB-5-N (0-1)	
SAMPLING DATE				2/27/2020		2/27/2020		2/27/2020	
LAB SAMPLE ID				L2008988-03		L2008988-04		L2008988-05	
					Qual		Qual		Qual
General Chemistry									
Solids, Total	NS	NS	%	93.5		91.5		77.3	
Volatile Organics by EPA 5035									
1,1,1,2-Tetrachloroethane	NS	NS	mg/kg	ND		ND		ND	
1,1,1-Trichloroethane	0.68	500	mg/kg	ND		ND		ND	
1,1,2,2-Tetrachloroethane	NS	NS	mg/kg	ND		ND		ND	
Freon-113	NS	NS	mg/kg	--		--		--	
1,1,2-Trichloroethane	NS	NS	mg/kg	ND		ND		ND	
1,1-Dichloroethane	0.27	240	mg/kg	ND		ND		ND	
1,1-Dichloroethene	0.33	500	mg/kg	ND		ND		ND	
1,1-Dichloropropene	NS	NS	mg/kg	ND		ND		ND	
1,2,3-Trichlorobenzene	NS	NS	mg/kg	ND		ND		ND	
1,2,3-Trichloropropane	NS	NS	mg/kg	ND		ND		ND	
1,2,4,5-Tetramethylbenzene	NS	NS	mg/kg	ND		ND		ND	
1,2,4-Trichlorobenzene	NS	NS	mg/kg	ND		ND		ND	
1,2,4-Trimethylbenzene	3.6	190	mg/kg	ND		ND		ND	
1,2-Dibromo-3-chloropropane	NS	NS	mg/kg	ND		ND		ND	
1,2-Dibromoethane	NS	NS	mg/kg	ND		ND		ND	
1,2-Dichlorobenzene	1.1	500	mg/kg	ND		ND		ND	
1,2-Dichloroethane	0.02	30	mg/kg	ND		ND		ND	
1,2-Dichloroethene, Total	NS	NS	mg/kg	0.00038	J	0.00016	J	10	J
1,2-Dichloropropane	NS	NS	mg/kg	ND		ND		ND	
1,3,5-Trimethylbenzene	8.4	190	mg/kg	ND		ND		ND	
1,3-Dichlorobenzene	2.4	280	mg/kg	ND		ND		ND	
1,3-Dichloropropane	NS	NS	mg/kg	ND		ND		ND	
1,3-Dichloropropene, Total	NS	NS	mg/kg	ND		ND		ND	
1,4-Dichlorobenzene	1.8	130	mg/kg	ND		ND		ND	
1,4-Dioxane	0.1	130	mg/kg	ND		ND		ND	
2,2-Dichloropropane	NS	NS	mg/kg	ND		ND		ND	
2-Butanone	0.12	500	mg/kg	ND		ND		ND	
2-Hexanone	NS	NS	mg/kg	ND		ND		ND	
4-Methyl-2-pentanone	NS	NS	mg/kg	ND		ND		ND	
Acetone	0.05	500	mg/kg	ND		ND		ND	
Acrolein	NS	NS	mg/kg	--		--		--	
Acrylonitrile	NS	NS	mg/kg	ND		ND		ND	
Benzene	0.06	44	mg/kg	ND		ND		ND	
Bromobenzene	NS	NS	mg/kg	ND		ND		ND	
Bromochloromethane	NS	NS	mg/kg	ND		ND		ND	
Bromodichloromethane	NS	NS	mg/kg	ND		ND		ND	
Bromoform	NS	NS	mg/kg	ND		ND		ND	
Bromomethane	NS	NS	mg/kg	ND		ND		ND	
Carbon disulfide	NS	NS	mg/kg	ND		ND		ND	
Carbon tetrachloride	0.76	22	mg/kg	ND		ND		ND	
Chlorobenzene	1.1	500	mg/kg	ND		ND		ND	
Chloroethane	NS	NS	mg/kg	ND		ND		ND	
Chloroform	0.37	350	mg/kg	ND		ND		ND	
Chloromethane	NS	NS	mg/kg	ND		ND		ND	
cis-1,2-Dichloroethene	0.25	500	mg/kg	0.00038	J	0.00016	J	**10**	
cis-1,3-Dichloropropene	NS	NS	mg/kg	ND		ND		ND	
Cyclohexane	NS	NS	mg/kg	--		--		--	
Dibromochloromethane	NS	NS	mg/kg	ND		ND		ND	

Table 3. Historic Soil Analytical Data
2921 Westchester Avenue
BCP #C203140

CLIENT SAMPLE ID	NY-PGW	NY-RESC	Units	SB-5 (2-3)		SB-5 (3-4)		SB-5-N (0-1)	
SAMPLING DATE				2/27/2020		2/27/2020		2/27/2020	
LAB SAMPLE ID				L2008988-03		L2008988-04		L2008988-05	
					Qual		Qual		Qual
Dibromomethane	NS	NS	mg/kg	ND		ND		ND	
Dichlorodifluoromethane	NS	NS	mg/kg	ND		ND		ND	
Ethyl ether	NS	NS	mg/kg	ND		ND		ND	
Ethylbenzene	1	390	mg/kg	ND		ND		ND	
Hexachlorobutadiene	NS	NS	mg/kg	ND		ND		ND	
Isopropylbenzene	NS	NS	mg/kg	ND		ND		ND	
Methyl acetate	NS	NS	mg/kg	--		--		--	
Methyl tert butyl ether	0.93	500	mg/kg	ND		ND		ND	
Methylcyclohexane	NS	NS	mg/kg	--		--		--	
Methylene chloride	0.05	500	mg/kg	ND		ND		ND	
n-Butylbenzene	12	500	mg/kg	ND		ND		ND	
n-Propylbenzene	3.9	500	mg/kg	ND		ND		ND	
Naphthalene	12	500	mg/kg	ND		ND		ND	
o-Chlorotoluene	NS	NS	mg/kg	ND		ND		ND	
o-Xylene	NS	NS	mg/kg	ND		ND		ND	
p-Chlorotoluene	NS	NS	mg/kg	ND		ND		ND	
p-Diethylbenzene	NS	NS	mg/kg	ND		ND		ND	
p-Ethyltoluene	NS	NS	mg/kg	ND		ND		ND	
p-Isopropyltoluene	NS	NS	mg/kg	ND		ND		ND	
p/m-Xylene	NS	NS	mg/kg	ND		ND		ND	
sec-Butylbenzene	11	500	mg/kg	ND		ND		ND	
Styrene	NS	NS	mg/kg	ND		ND		ND	
tert-Butyl alcohol	NS	NS	mg/kg	--		--		--	
tert-Butylbenzene	5.9	500	mg/kg	ND		ND		ND	
Tetrachloroethene	1.3	150	mg/kg	0.0012		0.0013		**34**	
Toluene	0.7	500	mg/kg	ND		ND		ND	
trans-1,2-Dichloroethene	0.19	500	mg/kg	ND		ND		0.18	J
trans-1,3-Dichloropropene	NS	NS	mg/kg	ND		ND		ND	
trans-1,4-Dichloro-2-butene	NS	NS	mg/kg	ND		ND		ND	
Trichloroethene	0.47	200	mg/kg	ND		0.00013	J	**8.1**	
Trichlorofluoromethane	NS	NS	mg/kg	ND		ND		ND	
Vinyl acetate	NS	NS	mg/kg	ND		ND		ND	
Vinyl chloride	0.02	13	mg/kg	ND		ND		ND	
Xylenes, Total	1.6	500	mg/kg	ND		ND		ND	
Total Metals									
Arsenic, Total	16	16	mg/kg	--		--		--	
Barium, Total	820	400	mg/kg	--		--		--	
Cadmium, Total	7.5	9.3	mg/kg	--		--		--	
Chromium, Total	NS	NS	mg/kg	--		--		--	
Lead, Total	450	1000	mg/kg	--		--		--	
Mercury, Total	0.73	2.8	mg/kg	--		--		--	
Selenium, Total	4	1500	mg/kg	--		--		--	
Silver, Total	8.3	1500	mg/kg	--		--		--	

Notes:
Bold and shaded yellow value indicates concentrations exceeds NY-PGW SCOs
Concentrations in all samples met NY-RESC SCOs for all analytes
NY-PGW = 6 NYCRR Part 375 Restricted Protection of Groundwater Soil Cleanup Objectives

Table 3. Historic Soil Analytical Data
2921 Westchester Avenue
BCP #C203140

CLIENT SAMPLE ID	NY-PGW	NY-RESC	Units	SB-5 (2-3)	SB-5 (3-4)	SB-5-N (0-1)
SAMPLING DATE				2/27/2020	2/27/2020	2/27/2020
LAB SAMPLE ID				L2008988-03	L2008988-04	L2008988-05
				Qual	Qual	Qual

NY-RESC = 6 NYCRR Part 375 Restricted Commercial Use Soil Cleanup Objectives
J = Estimated value
ND = Not detected
NS = No standard
-- = Not analyzed
Samples SB01, SB02, and SB05 collected as part of Castleton's 2019 Phase II ESI

Table 3. Historic Soil Analytical Data
2921 Westchester Avenue
BCP #C203140

CLIENT SAMPLE ID	NY-PGW	NY-RESC	Units	SB-5-N (1-2)		SB-5-N (2-3)		SB-5-W (0-1)	
SAMPLING DATE				2/27/2020		2/27/2020		2/27/2020	
LAB SAMPLE ID				L2008988-06		L2008988-07		L2008988-08	
					Qual		Qual		Qual
General Chemistry									
Solids, Total	NS	NS	%	84.1		90.9		89.5	
Volatile Organics by EPA 5035									
1,1,1,2-Tetrachloroethane	NS	NS	mg/kg	ND		ND		ND	
1,1,1-Trichloroethane	0.68	500	mg/kg	ND		ND		ND	
1,1,2,2-Tetrachloroethane	NS	NS	mg/kg	ND		ND		ND	
Freon-113	NS	NS	mg/kg	--		--		--	
1,1,2-Trichloroethane	NS	NS	mg/kg	ND		ND		ND	
1,1-Dichloroethane	0.27	240	mg/kg	ND		ND		ND	
1,1-Dichloroethene	0.33	500	mg/kg	ND		ND		ND	
1,1-Dichloropropene	NS	NS	mg/kg	ND		ND		ND	
1,2,3-Trichlorobenzene	NS	NS	mg/kg	ND		ND		ND	
1,2,3-Trichloropropane	NS	NS	mg/kg	ND		ND		ND	
1,2,4,5-Tetramethylbenzene	NS	NS	mg/kg	ND		ND		ND	
1,2,4-Trichlorobenzene	NS	NS	mg/kg	ND		ND		ND	
1,2,4-Trimethylbenzene	3.6	190	mg/kg	ND		ND		ND	
1,2-Dibromo-3-chloropropane	NS	NS	mg/kg	ND		ND		ND	
1,2-Dibromoethane	NS	NS	mg/kg	ND		ND		ND	
1,2-Dichlorobenzene	1.1	500	mg/kg	ND		ND		ND	
1,2-Dichloroethane	0.02	30	mg/kg	ND		ND		ND	
1,2-Dichloroethene, Total	NS	NS	mg/kg	12		0.58	J	2.9	J
1,2-Dichloropropane	NS	NS	mg/kg	ND		ND		ND	
1,3,5-Trimethylbenzene	8.4	190	mg/kg	ND		ND		ND	
1,3-Dichlorobenzene	2.4	280	mg/kg	ND		ND		ND	
1,3-Dichloropropane	NS	NS	mg/kg	ND		ND		ND	
1,3-Dichloropropene, Total	NS	NS	mg/kg	ND		ND		ND	
1,4-Dichlorobenzene	1.8	130	mg/kg	ND		ND		0.039	J
1,4-Dioxane	0.1	130	mg/kg	ND		ND		ND	
2,2-Dichloropropane	NS	NS	mg/kg	ND		ND		ND	
2-Butanone	0.12	500	mg/kg	ND		ND		ND	
2-Hexanone	NS	NS	mg/kg	ND		ND		ND	
4-Methyl-2-pentanone	NS	NS	mg/kg	ND		ND		ND	
Acetone	0.05	500	mg/kg	**0.68**	**J**	ND		ND	
Acrolein	NS	NS	mg/kg	--		--		--	
Acrylonitrile	NS	NS	mg/kg	ND		ND		ND	
Benzene	0.06	44	mg/kg	ND		ND		ND	
Bromobenzene	NS	NS	mg/kg	ND		ND		ND	
Bromochloromethane	NS	NS	mg/kg	ND		ND		ND	
Bromodichloromethane	NS	NS	mg/kg	ND		ND		ND	
Bromoform	NS	NS	mg/kg	ND		ND		ND	
Bromomethane	NS	NS	mg/kg	ND		ND		ND	
Carbon disulfide	NS	NS	mg/kg	ND		ND		ND	
Carbon tetrachloride	0.76	22	mg/kg	ND		ND		ND	
Chlorobenzene	1.1	500	mg/kg	ND		ND		ND	
Chloroethane	NS	NS	mg/kg	ND		ND		ND	
Chloroform	0.37	350	mg/kg	ND		ND		ND	
Chloromethane	NS	NS	mg/kg	ND		ND		ND	
cis-1,2-Dichloroethene	0.25	500	mg/kg	**12**		**0.57**		**2.8**	
cis-1,3-Dichloropropene	NS	NS	mg/kg	ND		ND		ND	
Cyclohexane	NS	NS	mg/kg	--		--		--	
Dibromochloromethane	NS	NS	mg/kg	ND		ND		ND	

Table 3. Historic Soil Analytical Data
2921 Westchester Avenue
BCP #C203140

CLIENT SAMPLE ID	NY-PGW	NY-RESC	Units	SB-5-N (1-2)		SB-5-N (2-3)		SB-5-W (0-1)	
SAMPLING DATE				2/27/2020		2/27/2020		2/27/2020	
LAB SAMPLE ID				L2008988-06		L2008988-07		L2008988-08	
					Qual		Qual		Qual
Dibromomethane	NS	NS	mg/kg	ND		ND		ND	
Dichlorodifluoromethane	NS	NS	mg/kg	ND		ND		ND	
Ethyl ether	NS	NS	mg/kg	ND		ND		ND	
Ethylbenzene	1	390	mg/kg	ND		ND		ND	
Hexachlorobutadiene	NS	NS	mg/kg	ND		ND		ND	
Isopropylbenzene	NS	NS	mg/kg	ND		ND		ND	
Methyl acetate	NS	NS	mg/kg	--		--		--	
Methyl tert butyl ether	0.93	500	mg/kg	ND		ND		ND	
Methylcyclohexane	NS	NS	mg/kg	--		--		--	
Methylene chloride	0.05	500	mg/kg	**0.27**	**J**	ND		ND	
n-Butylbenzene	12	500	mg/kg	ND		ND		ND	
n-Propylbenzene	3.9	500	mg/kg	ND		ND		ND	
Naphthalene	12	500	mg/kg	ND		ND		0.052	J
o-Chlorotoluene	NS	NS	mg/kg	ND		ND		ND	
o-Xylene	NS	NS	mg/kg	ND		ND		ND	
p-Chlorotoluene	NS	NS	mg/kg	ND		ND		ND	
p-Diethylbenzene	NS	NS	mg/kg	ND		ND		ND	
p-Ethyltoluene	NS	NS	mg/kg	ND		ND		ND	
p-Isopropyltoluene	NS	NS	mg/kg	0.014	J	ND		ND	
p/m-Xylene	NS	NS	mg/kg	ND		ND		ND	
sec-Butylbenzene	11	500	mg/kg	ND		ND		ND	
Styrene	NS	NS	mg/kg	ND		ND		ND	
tert-Butyl alcohol	NS	NS	mg/kg	--		--		--	
tert-Butylbenzene	5.9	500	mg/kg	ND		ND		ND	
Tetrachloroethene	1.3	150	mg/kg	**22**		0.65		**20**	
Toluene	0.7	500	mg/kg	ND		ND		ND	
trans-1,2-Dichloroethene	0.19	500	mg/kg	**0.26**		0.0083	J	0.054	J
trans-1,3-Dichloropropene	NS	NS	mg/kg	ND		ND		ND	
trans-1,4-Dichloro-2-butene	NS	NS	mg/kg	ND		ND		ND	
Trichloroethene	0.47	200	mg/kg	**26**		**0.67**		**3.3**	
Trichlorofluoromethane	NS	NS	mg/kg	ND		ND		ND	
Vinyl acetate	NS	NS	mg/kg	ND		ND		ND	
Vinyl chloride	0.02	13	mg/kg	**0.084**	**J**	ND		ND	
Xylenes, Total	1.6	500	mg/kg	ND		ND		ND	
Total Metals									
Arsenic, Total	16	16	mg/kg	--		--		--	
Barium, Total	820	400	mg/kg	--		--		--	
Cadmium, Total	7.5	9.3	mg/kg	--		--		--	
Chromium, Total	NS	NS	mg/kg	--		--		--	
Lead, Total	450	1000	mg/kg	--		--		--	
Mercury, Total	0.73	2.8	mg/kg	--		--		--	
Selenium, Total	4	1500	mg/kg	--		--		--	
Silver, Total	8.3	1500	mg/kg	--		--		--	

Notes:
Bold and shaded yellow value indicates concentrations exceeds NY-PGW SCOs
Concentrations in all samples met NY-RESC SCOs for all analytes
NY-PGW = 6 NYCRR Part 375 Restricted Protection of Groundwater Soil Cleanup Objectives

Table 3. Historic Soil Analytical Data
2921 Westchester Avenue
BCP #C203140

CLIENT SAMPLE ID	NY-PGW	NY-RESC	Units	SB-5-N (1-2)	SB-5-N (2-3)	SB-5-W (0-1)
SAMPLING DATE				2/27/2020	2/27/2020	2/27/2020
LAB SAMPLE ID				L2008988-06	L2008988-07	L2008988-08
				Qual	Qual	Qual

NY-RESC = 6 NYCRR Part 375 Restricted Commercial Use Soil Cleanup Objectives
J = Estimated value
ND = Not detected
NS = No standard
-- = Not analyzed
Samples SB01, SB02, and SB05 collected as part of Castleton's 2019 Phase II ESI

Table 3. Historic Soil Analytical Data
2921 Westchester Avenue
BCP #C203140

CLIENT SAMPLE ID	NY-PGW	NY-RESC	Units	SB-5-W (1-2)		SB-5-W (2-3)		SB-5-E (0-1)	
SAMPLING DATE				2/27/2020		2/27/2020		2/27/2020	
LAB SAMPLE ID				L2008988-09		L2008988-10		L2008988-11	
					Qual		Qual		Qual
General Chemistry									
Solids, Total	NS	NS	%	85.4		89.4		80.2	
Volatile Organics by EPA 5035									
1,1,1,2-Tetrachloroethane	NS	NS	mg/kg	ND		ND		ND	
1,1,1-Trichloroethane	0.68	500	mg/kg	ND		ND		ND	
1,1,2,2-Tetrachloroethane	NS	NS	mg/kg	ND		ND		ND	
Freon-113	NS	NS	mg/kg	--		--		--	
1,1,2-Trichloroethane	NS	NS	mg/kg	ND		ND		ND	
1,1-Dichloroethane	0.27	240	mg/kg	ND		ND		ND	
1,1-Dichloroethene	0.33	500	mg/kg	ND		ND		ND	
1,1-Dichloropropene	NS	NS	mg/kg	ND		ND		ND	
1,2,3-Trichlorobenzene	NS	NS	mg/kg	ND		ND		ND	
1,2,3-Trichloropropane	NS	NS	mg/kg	ND		ND		ND	
1,2,4,5-Tetramethylbenzene	NS	NS	mg/kg	ND		ND		ND	
1,2,4-Trichlorobenzene	NS	NS	mg/kg	ND		ND		ND	
1,2,4-Trimethylbenzene	3.6	190	mg/kg	ND		ND		ND	
1,2-Dibromo-3-chloropropane	NS	NS	mg/kg	ND		ND		ND	
1,2-Dibromoethane	NS	NS	mg/kg	ND		ND		ND	
1,2-Dichlorobenzene	1.1	500	mg/kg	ND		ND		ND	
1,2-Dichloroethane	0.02	30	mg/kg	ND		ND		ND	
1,2-Dichloroethene, Total	NS	NS	mg/kg	4.5		3.8		0.052	J
1,2-Dichloropropane	NS	NS	mg/kg	ND		ND		ND	
1,3,5-Trimethylbenzene	8.4	190	mg/kg	ND		ND		ND	
1,3-Dichlorobenzene	2.4	280	mg/kg	ND		ND		ND	
1,3-Dichloropropane	NS	NS	mg/kg	ND		ND		ND	
1,3-Dichloropropene, Total	NS	NS	mg/kg	ND		ND		ND	
1,4-Dichlorobenzene	1.8	130	mg/kg	ND		0.027	J	ND	
1,4-Dioxane	0.1	130	mg/kg	ND		ND		ND	
2,2-Dichloropropane	NS	NS	mg/kg	ND		ND		ND	
2-Butanone	0.12	500	mg/kg	ND		ND		ND	
2-Hexanone	NS	NS	mg/kg	ND		ND		ND	
4-Methyl-2-pentanone	NS	NS	mg/kg	ND		ND		ND	
Acetone	0.05	500	mg/kg	ND		ND		ND	
Acrolein	NS	NS	mg/kg	--		--		--	
Acrylonitrile	NS	NS	mg/kg	ND		ND		ND	
Benzene	0.06	44	mg/kg	ND		ND		ND	
Bromobenzene	NS	NS	mg/kg	ND		ND		ND	
Bromochloromethane	NS	NS	mg/kg	ND		ND		ND	
Bromodichloromethane	NS	NS	mg/kg	ND		ND		ND	
Bromoform	NS	NS	mg/kg	ND		ND		ND	
Bromomethane	NS	NS	mg/kg	ND		ND		ND	
Carbon disulfide	NS	NS	mg/kg	ND		ND		ND	
Carbon tetrachloride	0.76	22	mg/kg	ND		ND		ND	
Chlorobenzene	1.1	500	mg/kg	ND		ND		ND	
Chloroethane	NS	NS	mg/kg	ND		ND		ND	
Chloroform	0.37	350	mg/kg	ND		ND		ND	
Chloromethane	NS	NS	mg/kg	ND		ND		ND	
cis-1,2-Dichloroethene	0.25	500	mg/kg	**4.4**		**3.7**		0.052	
cis-1,3-Dichloropropene	NS	NS	mg/kg	ND		ND		ND	
Cyclohexane	NS	NS	mg/kg	--		--		--	
Dibromochloromethane	NS	NS	mg/kg	ND		ND		ND	

Table 3. Historic Soil Analytical Data
2921 Westchester Avenue
BCP #C203140

CLIENT SAMPLE ID	NY-PGW	NY-RESC	Units	SB-5-W (1-2)		SB-5-W (2-3)		SB-5-E (0-1)	
SAMPLING DATE				2/27/2020		2/27/2020		2/27/2020	
LAB SAMPLE ID				L2008988-09		L2008988-10		L2008988-11	
					Qual		Qual		Qual
Dibromomethane	NS	NS	mg/kg	ND		ND		ND	
Dichlorodifluoromethane	NS	NS	mg/kg	ND		ND		ND	
Ethyl ether	NS	NS	mg/kg	ND		ND		ND	
Ethylbenzene	1	390	mg/kg	ND		ND		ND	
Hexachlorobutadiene	NS	NS	mg/kg	ND		ND		ND	
Isopropylbenzene	NS	NS	mg/kg	ND		ND		ND	
Methyl acetate	NS	NS	mg/kg	--		--		--	
Methyl tert butyl ether	0.93	500	mg/kg	ND		ND		ND	
Methylcyclohexane	NS	NS	mg/kg	--		--		--	
Methylene chloride	0.05	500	mg/kg	ND		ND		ND	
n-Butylbenzene	12	500	mg/kg	ND		ND		ND	
n-Propylbenzene	3.9	500	mg/kg	ND		ND		ND	
Naphthalene	12	500	mg/kg	ND		ND		ND	
o-Chlorotoluene	NS	NS	mg/kg	ND		ND		ND	
o-Xylene	NS	NS	mg/kg	ND		ND		ND	
p-Chlorotoluene	NS	NS	mg/kg	ND		ND		ND	
p-Diethylbenzene	NS	NS	mg/kg	ND		ND		ND	
p-Ethyltoluene	NS	NS	mg/kg	ND		ND		ND	
p-Isopropyltoluene	NS	NS	mg/kg	ND		ND		ND	
p/m-Xylene	NS	NS	mg/kg	ND		ND		ND	
sec-Butylbenzene	11	500	mg/kg	ND		ND		ND	
Styrene	NS	NS	mg/kg	ND		ND		ND	
tert-Butyl alcohol	NS	NS	mg/kg	--		--		--	
tert-Butylbenzene	5.9	500	mg/kg	ND		ND		ND	
Tetrachloroethene	1.3	150	mg/kg	**16**		**7**		0.17	
Toluene	0.7	500	mg/kg	ND		ND		ND	
trans-1,2-Dichloroethene	0.19	500	mg/kg	0.14		0.084		0.00036	J
trans-1,3-Dichloropropene	NS	NS	mg/kg	ND		ND		ND	
trans-1,4-Dichloro-2-butene	NS	NS	mg/kg	ND		ND		ND	
Trichloroethene	0.47	200	mg/kg	**3.6**		**1.7**		0.031	
Trichlorofluoromethane	NS	NS	mg/kg	ND		ND		ND	
Vinyl acetate	NS	NS	mg/kg	ND		ND		ND	
Vinyl chloride	0.02	13	mg/kg	ND		ND		0.0005	J
Xylenes, Total	1.6	500	mg/kg	ND		ND		ND	
Total Metals									
Arsenic, Total	16	16	mg/kg	--		--		--	
Barium, Total	820	400	mg/kg	--		--		--	
Cadmium, Total	7.5	9.3	mg/kg	--		--		--	
Chromium, Total	NS	NS	mg/kg	--		--		--	
Lead, Total	450	1000	mg/kg	--		--		--	
Mercury, Total	0.73	2.8	mg/kg	--		--		--	
Selenium, Total	4	1500	mg/kg	--		--		--	
Silver, Total	8.3	1500	mg/kg	--		--		--	

Notes:
Bold and shaded yellow value indicates concentrations exceeds NY-PGW SCOs
Concentrations in all samples met NY-RESC SCOs for all analytes
NY-PGW = 6 NYCRR Part 375 Restricted Protection of Groundwater Soil Cleanup Objectives

Table 3. Historic Soil Analytical Data
2921 Westchester Avenue
BCP #C203140

CLIENT SAMPLE ID	NY-PGW	NY-RESC	Units	SB-5-W (1-2)	SB-5-W (2-3)	SB-5-E (0-1)
SAMPLING DATE				2/27/2020	2/27/2020	2/27/2020
LAB SAMPLE ID				L2008988-09	L2008988-10	L2008988-11
				Qual	Qual	Qual

NY-RESC = 6 NYCRR Part 375 Restricted Commercial Use Soil Cleanup Objectives
J = Estimated value
ND = Not detected
NS = No standard
-- = Not analyzed
Samples SB01, SB02, and SB05 collected as part of Castleton's 2019 Phase II ESI

Table 3. Historic Soil Analytical Data
2921 Westchester Avenue
BCP #C203140

CLIENT SAMPLE ID	NY-PGW	NY-RESC	Units	SB-5-W2 (0-1)	SB-5-W2 (1-2)	SB-5-S (0-1)
SAMPLING DATE				2/27/2020	2/27/2020	2/27/2020
LAB SAMPLE ID				L2008988-17	L2008988-18	L2008988-20
				Qual	Qual	Qual
General Chemistry						
Solids, Total	NS	NS	%	80.8	88.7	81
Volatile Organics by EPA 5035						
1,1,1,2-Tetrachloroethane	NS	NS	mg/kg	ND	ND	ND
1,1,1-Trichloroethane	0.68	500	mg/kg	ND	ND	ND
1,1,2,2-Tetrachloroethane	NS	NS	mg/kg	ND	ND	ND
Freon-113	NS	NS	mg/kg	--	--	--
1,1,2-Trichloroethane	NS	NS	mg/kg	ND	ND	ND
1,1-Dichloroethane	0.27	240	mg/kg	ND	ND	ND
1,1-Dichloroethene	0.33	500	mg/kg	ND	ND	ND
1,1-Dichloropropene	NS	NS	mg/kg	ND	ND	ND
1,2,3-Trichlorobenzene	NS	NS	mg/kg	ND	ND	ND
1,2,3-Trichloropropane	NS	NS	mg/kg	ND	ND	ND
1,2,4,5-Tetramethylbenzene	NS	NS	mg/kg	ND	ND	ND
1,2,4-Trichlorobenzene	NS	NS	mg/kg	ND	ND	ND
1,2,4-Trimethylbenzene	3.6	190	mg/kg	ND	ND	ND
1,2-Dibromo-3-chloropropane	NS	NS	mg/kg	ND	ND	ND
1,2-Dibromoethane	NS	NS	mg/kg	ND	ND	ND
1,2-Dichlorobenzene	1.1	500	mg/kg	ND	ND	ND
1,2-Dichloroethane	0.02	30	mg/kg	ND	ND	ND
1,2-Dichloroethene, Total	NS	NS	mg/kg	1.3	0.0099	15
1,2-Dichloropropane	NS	NS	mg/kg	ND	ND	ND
1,3,5-Trimethylbenzene	8.4	190	mg/kg	ND	ND	ND
1,3-Dichlorobenzene	2.4	280	mg/kg	ND	ND	ND
1,3-Dichloropropane	NS	NS	mg/kg	ND	ND	ND
1,3-Dichloropropene, Total	NS	NS	mg/kg	ND	ND	ND
1,4-Dichlorobenzene	1.8	130	mg/kg	ND	ND	ND
1,4-Dioxane	0.1	130	mg/kg	ND	ND	ND
2,2-Dichloropropane	NS	NS	mg/kg	ND	ND	ND
2-Butanone	0.12	500	mg/kg	ND	ND	ND
2-Hexanone	NS	NS	mg/kg	ND	ND	ND
4-Methyl-2-pentanone	NS	NS	mg/kg	ND	ND	ND
Acetone	0.05	500	mg/kg	ND	ND	ND
Acrolein	NS	NS	mg/kg	--	--	--
Acrylonitrile	NS	NS	mg/kg	ND	ND	ND
Benzene	0.06	44	mg/kg	ND	ND	ND
Bromobenzene	NS	NS	mg/kg	ND	ND	ND
Bromochloromethane	NS	NS	mg/kg	ND	ND	ND
Bromodichloromethane	NS	NS	mg/kg	ND	ND	ND
Bromoform	NS	NS	mg/kg	ND	ND	ND
Bromomethane	NS	NS	mg/kg	ND	ND	ND
Carbon disulfide	NS	NS	mg/kg	ND	ND	ND
Carbon tetrachloride	0.76	22	mg/kg	ND	ND	ND
Chlorobenzene	1.1	500	mg/kg	ND	ND	ND
Chloroethane	NS	NS	mg/kg	ND	ND	ND
Chloroform	0.37	350	mg/kg	ND	ND	ND
Chloromethane	NS	NS	mg/kg	ND	ND	ND
cis-1,2-Dichloroethene	0.25	500	mg/kg	**1.3**	0.0099	**15**
cis-1,3-Dichloropropene	NS	NS	mg/kg	ND	ND	ND
Cyclohexane	NS	NS	mg/kg	--	--	--
Dibromochloromethane	NS	NS	mg/kg	ND	ND	ND

Table 3. Historic Soil Analytical Data
2921 Westchester Avenue
BCP #C203140

CLIENT SAMPLE ID	NY-PGW	NY-RESC	Units	SB-5-W2 (0-1)	SB-5-W2 (1-2)	SB-5-S (0-1)
SAMPLING DATE				2/27/2020	2/27/2020	2/27/2020
LAB SAMPLE ID				L2008988-17	L2008988-18	L2008988-20
				Qual	Qual	Qual
Dibromomethane	NS	NS	mg/kg	ND	ND	ND
Dichlorodifluoromethane	NS	NS	mg/kg	ND	ND	ND
Ethyl ether	NS	NS	mg/kg	ND	ND	ND
Ethylbenzene	1	390	mg/kg	ND	ND	ND
Hexachlorobutadiene	NS	NS	mg/kg	ND	ND	ND
Isopropylbenzene	NS	NS	mg/kg	ND	ND	ND
Methyl acetate	NS	NS	mg/kg	--	--	--
Methyl tert butyl ether	0.93	500	mg/kg	ND	ND	ND
Methylcyclohexane	NS	NS	mg/kg	--	--	--
Methylene chloride	0.05	500	mg/kg	ND	ND	ND
n-Butylbenzene	12	500	mg/kg	ND	ND	ND
n-Propylbenzene	3.9	500	mg/kg	ND	ND	ND
Naphthalene	12	500	mg/kg	ND	ND	ND
o-Chlorotoluene	NS	NS	mg/kg	ND	ND	ND
o-Xylene	NS	NS	mg/kg	ND	ND	ND
p-Chlorotoluene	NS	NS	mg/kg	ND	ND	ND
p-Diethylbenzene	NS	NS	mg/kg	ND	ND	ND
p-Ethyltoluene	NS	NS	mg/kg	ND	ND	ND
p-Isopropyltoluene	NS	NS	mg/kg	ND	ND	ND
p/m-Xylene	NS	NS	mg/kg	ND	ND	ND
sec-Butylbenzene	11	500	mg/kg	ND	ND	ND
Styrene	NS	NS	mg/kg	ND	ND	ND
tert-Butyl alcohol	NS	NS	mg/kg	--	--	--
tert-Butylbenzene	5.9	500	mg/kg	ND	ND	ND
Tetrachloroethene	1.3	150	mg/kg	**8.1**	0.033	**1.7**
Toluene	0.7	500	mg/kg	ND	ND	ND
trans-1,2-Dichloroethene	0.19	500	mg/kg	ND	ND	0.17
trans-1,3-Dichloropropene	NS	NS	mg/kg	ND	ND	ND
trans-1,4-Dichloro-2-butene	NS	NS	mg/kg	ND	ND	ND
Trichloroethene	0.47	200	mg/kg	**1.4**	0.0089	**1.3**
Trichlorofluoromethane	NS	NS	mg/kg	ND	ND	ND
Vinyl acetate	NS	NS	mg/kg	ND	ND	ND
Vinyl chloride	0.02	13	mg/kg	ND	ND	**0.25**
Xylenes, Total	1.6	500	mg/kg	ND	ND	ND
Total Metals						
Arsenic, Total	16	16	mg/kg	--	--	--
Barium, Total	820	400	mg/kg	--	--	--
Cadmium, Total	7.5	9.3	mg/kg	--	--	--
Chromium, Total	NS	NS	mg/kg	--	--	--
Lead, Total	450	1000	mg/kg	--	--	--
Mercury, Total	0.73	2.8	mg/kg	--	--	--
Selenium, Total	4	1500	mg/kg	--	--	--
Silver, Total	8.3	1500	mg/kg	--	--	--

Notes:
Bold and shaded yellow value indicates concentrations exceeds NY-PGW SCOs
Concentrations in all samples met NY-RESC SCOs for all analytes
NY-PGW = 6 NYCRR Part 375 Restricted Protection of Groundwater Soil Cleanup Objectives

Table 3. Historic Soil Analytical Data
2921 Westchester Avenue
BCP #C203140

CLIENT SAMPLE ID	NY-PGW	NY-RESC	Units	SB-5-W2 (0-1)	SB-5-W2 (1-2)	SB-5-S (0-1)
SAMPLING DATE				2/27/2020	2/27/2020	2/27/2020
LAB SAMPLE ID				L2008988-17	L2008988-18	L2008988-20
				Qual	Qual	Qual

NY-RESC = 6 NYCRR Part 375 Restricted Commercial Use Soil Cleanup Objectives
J = Estimated value
ND = Not detected
NS = No standard
-- = Not analyzed
Samples SB01, SB02, and SB05 collected as part of Castleton's 2019 Phase II ESI

Table 3. Historic Soil Analytical Data
2921 Westchester Avenue
BCP #C203140

CLIENT SAMPLE ID	NY-PGW	NY-RESC	Units	SB-5-S (1-2)	SB-5-S (2-3)
SAMPLING DATE				2/27/2020	2/27/2020
LAB SAMPLE ID				L2008988-21	L2008988-22
				Qual	Qual
General Chemistry					
Solids, Total	NS	NS	%	92	92.4
Volatile Organics by EPA 5035					
1,1,1,2-Tetrachloroethane	NS	NS	mg/kg	ND	ND
1,1,1-Trichloroethane	0.68	500	mg/kg	ND	ND
1,1,2,2-Tetrachloroethane	NS	NS	mg/kg	ND	ND
Freon-113	NS	NS	mg/kg	--	--
1,1,2-Trichloroethane	NS	NS	mg/kg	ND	ND
1,1-Dichloroethane	0.27	240	mg/kg	ND	ND
1,1-Dichloroethene	0.33	500	mg/kg	ND	ND
1,1-Dichloropropene	NS	NS	mg/kg	ND	ND
1,2,3-Trichlorobenzene	NS	NS	mg/kg	ND	ND
1,2,3-Trichloropropane	NS	NS	mg/kg	ND	ND
1,2,4,5-Tetramethylbenzene	NS	NS	mg/kg	ND	ND
1,2,4-Trichlorobenzene	NS	NS	mg/kg	ND	ND
1,2,4-Trimethylbenzene	3.6	190	mg/kg	ND	ND
1,2-Dibromo-3-chloropropane	NS	NS	mg/kg	ND	ND
1,2-Dibromoethane	NS	NS	mg/kg	ND	ND
1,2-Dichlorobenzene	1.1	500	mg/kg	ND	ND
1,2-Dichloroethane	0.02	30	mg/kg	ND	ND
1,2-Dichloroethene, Total	NS	NS	mg/kg	0.021	0.0074
1,2-Dichloropropane	NS	NS	mg/kg	ND	ND
1,3,5-Trimethylbenzene	8.4	190	mg/kg	ND	ND
1,3-Dichlorobenzene	2.4	280	mg/kg	ND	ND
1,3-Dichloropropane	NS	NS	mg/kg	ND	ND
1,3-Dichloropropene, Total	NS	NS	mg/kg	ND	ND
1,4-Dichlorobenzene	1.8	130	mg/kg	ND	ND
1,4-Dioxane	0.1	130	mg/kg	ND	ND
2,2-Dichloropropane	NS	NS	mg/kg	ND	ND
2-Butanone	0.12	500	mg/kg	ND	ND
2-Hexanone	NS	NS	mg/kg	ND	ND
4-Methyl-2-pentanone	NS	NS	mg/kg	ND	ND
Acetone	0.05	500	mg/kg	ND	ND
Acrolein	NS	NS	mg/kg	--	--
Acrylonitrile	NS	NS	mg/kg	ND	ND
Benzene	0.06	44	mg/kg	ND	ND
Bromobenzene	NS	NS	mg/kg	ND	ND
Bromochloromethane	NS	NS	mg/kg	ND	ND
Bromodichloromethane	NS	NS	mg/kg	ND	ND
Bromoform	NS	NS	mg/kg	ND	ND
Bromomethane	NS	NS	mg/kg	ND	ND
Carbon disulfide	NS	NS	mg/kg	ND	ND
Carbon tetrachloride	0.76	22	mg/kg	ND	ND
Chlorobenzene	1.1	500	mg/kg	ND	ND
Chloroethane	NS	NS	mg/kg	ND	ND
Chloroform	0.37	350	mg/kg	ND	ND
Chloromethane	NS	NS	mg/kg	ND	ND
cis-1,2-Dichloroethene	0.25	500	mg/kg	0.021	0.0074
cis-1,3-Dichloropropene	NS	NS	mg/kg	ND	ND
Cyclohexane	NS	NS	mg/kg	--	--
Dibromochloromethane	NS	NS	mg/kg	ND	ND

Table 3. Historic Soil Analytical Data
2921 Westchester Avenue
BCP #C203140

CLIENT SAMPLE ID	NY-PGW	NY-RESC	Units	SB-5-S (1-2)		SB-5-S (2-3)	
SAMPLING DATE				2/27/2020		2/27/2020	
LAB SAMPLE ID				L2008988-21		L2008988-22	
					Qual		Qual
Dibromomethane	NS	NS	mg/kg	ND		ND	
Dichlorodifluoromethane	NS	NS	mg/kg	ND		ND	
Ethyl ether	NS	NS	mg/kg	ND		ND	
Ethylbenzene	1	390	mg/kg	ND		ND	
Hexachlorobutadiene	NS	NS	mg/kg	ND		ND	
Isopropylbenzene	NS	NS	mg/kg	ND		ND	
Methyl acetate	NS	NS	mg/kg	--		--	
Methyl tert butyl ether	0.93	500	mg/kg	ND		ND	
Methylcyclohexane	NS	NS	mg/kg	--		--	
Methylene chloride	0.05	500	mg/kg	ND		ND	
n-Butylbenzene	12	500	mg/kg	ND		ND	
n-Propylbenzene	3.9	500	mg/kg	ND		ND	
Naphthalene	12	500	mg/kg	ND		ND	
o-Chlorotoluene	NS	NS	mg/kg	ND		ND	
o-Xylene	NS	NS	mg/kg	ND		ND	
p-Chlorotoluene	NS	NS	mg/kg	ND		ND	
p-Diethylbenzene	NS	NS	mg/kg	ND		ND	
p-Ethyltoluene	NS	NS	mg/kg	ND		ND	
p-Isopropyltoluene	NS	NS	mg/kg	ND		ND	
p/m-Xylene	NS	NS	mg/kg	ND		ND	
sec-Butylbenzene	11	500	mg/kg	ND		ND	
Styrene	NS	NS	mg/kg	ND		ND	
tert-Butyl alcohol	NS	NS	mg/kg	--		--	
tert-Butylbenzene	5.9	500	mg/kg	ND		ND	
Tetrachloroethene	1.3	150	mg/kg	0.0014		ND	
Toluene	0.7	500	mg/kg	ND		ND	
trans-1,2-Dichloroethene	0.19	500	mg/kg	ND		ND	
trans-1,3-Dichloropropene	NS	NS	mg/kg	ND		ND	
trans-1,4-Dichloro-2-butene	NS	NS	mg/kg	ND		ND	
Trichloroethene	0.47	200	mg/kg	0.00025	J	ND	
Trichlorofluoromethane	NS	NS	mg/kg	ND		ND	
Vinyl acetate	NS	NS	mg/kg	ND		ND	
Vinyl chloride	0.02	13	mg/kg	0.0015		0.00042	J
Xylenes, Total	1.6	500	mg/kg	ND		ND	
Total Metals							
Arsenic, Total	16	16	mg/kg	--		--	
Barium, Total	820	400	mg/kg	--		--	
Cadmium, Total	7.5	9.3	mg/kg	--		--	
Chromium, Total	NS	NS	mg/kg	--		--	
Lead, Total	450	1000	mg/kg	--		--	
Mercury, Total	0.73	2.8	mg/kg	--		--	
Selenium, Total	4	1500	mg/kg	--		--	
Silver, Total	8.3	1500	mg/kg	--		--	

Notes:

Bold and shaded yellow value indicates concentrations exceeds NY-PGW SCOs

Concentrations in all samples met NY-RESC SCOs for all analytes

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

Table 3. Historic Soil Analytical Data
2921 Westchester Avenue
BCP #C203140

CLIENT SAMPLE ID	NY-PGW	NY-RESC	Units	SB-5-S (1-2)	SB-5-S (2-3)
SAMPLING DATE				2/27/2020	2/27/2020
LAB SAMPLE ID				L2008988-21	L2008988-22
				Qual	Qual

NY-RESC = 6 NYCRR Part 375 Restricted Commercial Use Soil Cleanup Objectives
J = Estimated value
ND = Not detected
NS = No standard
-- = Not analyzed
Samples SB01, SB02, and SB05 collected as part of Castleton's 2019 Phase II ESI

Table 4. Historic Groundwater Analytical Data
2921 Westchester Avenue
BCP #C203140

CLIENT SAMPLE ID	NY-AWQS	Units	GW01		GW02		GW03		MW-2	
SAMPLING DATE			8/9/2019		8/9/2019		8/9/2019		10/4/2019	
LAB SAMPLE ID			19H0456-01		19H0456-02		19H0456-03		L1946362-01	
				Qual		Qual		Qual		Qual
Volatile Organics by GC/MS										
1,1,1,2-Tetrachloroethane	5	ug/l	ND		ND		ND		ND	
1,1,1-Trichloroethane	5	ug/l	ND		ND		ND		ND	
1,1,2,2-Tetrachloroethane	5	ug/l	ND		ND		ND		ND	
Freon-113	5	ug/l	ND		ND		ND		--	
1,1,2-Trichloroethane	1	ug/l	ND		ND		ND		ND	
1,1-Dichloroethane	5	ug/l	ND		ND		ND		ND	
1,1-Dichloroethene	5	ug/l	ND		ND		ND		ND	
1,1-Dichloropropene	5	ug/l	--		--		--		ND	
1,2,3-Trichlorobenzene	5	ug/l	ND		ND		ND		ND	
1,2,3-Trichloropropane	0.04	ug/l	ND		ND		ND		ND	
1,2,4,5-Tetramethylbenzene	5	ug/l	--		--		--		ND	
1,2,4-Trichlorobenzene	5	ug/l	ND		ND		ND		ND	
1,2,4-Trimethylbenzene	5	ug/l	ND		ND		ND		ND	
1,2-Dibromo-3-chloropropane	0.04	ug/l	ND		ND		ND		ND	
1,2-Dibromoethane	0.0006	ug/l	ND		ND		ND		ND	
1,2-Dichlorobenzene	3	ug/l	ND		ND		ND		ND	
1,2-Dichloroethane	0.6	ug/l	ND		ND		ND		ND	
1,2-Dichloroethene, Total	NS	ug/l	--		--		--		ND	
1,2-Dichloropropane	1	ug/l	ND		ND		ND		ND	
1,3,5-Trimethylbenzene	5	ug/l	ND		ND		ND		ND	
1,3-Dichlorobenzene	3	ug/l	ND		ND		ND		ND	
1,3-Dichloropropane	5	ug/l	--		--		--		ND	
1,3-Dichloropropene, Total	NS	ug/l	--		--		--		ND	
1,4-Dichlorobenzene	3	ug/l	ND		ND		ND		ND	
1,4-Dioxane	NS	ug/l	ND		ND		ND		ND	
2,2-Dichloropropane	5	ug/l	--		--		--		ND	
2-Butanone	50	ug/l	7.8	D	ND		ND		ND	
2-Hexanone	50	ug/l	ND		ND		ND		ND	
4-Methyl-2-pentanone	NS	ug/l	ND		ND		ND		ND	
Acetone	50	ug/l	3.2	JD	ND		ND		6	
Acrolein	NS	ug/l	ND		ND		ND		--	
Acrylonitrile	5	ug/l	ND		ND		ND		ND	
Benzene	1	ug/l	ND		ND		ND		ND	
Bromobenzene	5	ug/l	--		--		--		ND	
Bromochloromethane	5	ug/l	ND		ND		ND		ND	
Bromodichloromethane	50	ug/l	ND		ND		ND		ND	
Bromoform	50	ug/l	ND		ND		ND		ND	
Bromomethane	5	ug/l	ND		ND		ND		ND	
Carbon disulfide	60	ug/l	ND		ND		ND		ND	
Carbon tetrachloride	5	ug/l	ND		ND		ND		ND	
Chlorobenzene	5	ug/l	ND		ND		ND		ND	
Chloroethane	5	ug/l	ND		ND		ND		ND	
Chloroform	7	ug/l	ND		ND		ND		ND	
Chloromethane	NS	ug/l	ND		ND		ND		ND	
cis-1,2-Dichloroethene	5	ug/l	**32**	**D**	**96**	**D**	**93**	**D**	ND	
cis-1,3-Dichloropropene	0.4	ug/l	ND		ND		ND		ND	
Cyclohexane	NS	ug/l	ND		ND		ND		--	
Dibromochloromethane	50	ug/l	ND		ND		ND		ND	
Dibromomethane	5	ug/l	ND		ND		ND		ND	
Dichlorodifluoromethane	5	ug/l	ND		ND		ND		ND	
Ethyl ether	NS	ug/l	--		--		--		ND	

Table 4. Historic Groundwater Analytical Data
2921 Westchester Avenue
BCP #C203140

CLIENT SAMPLE ID	NY-AWQS	Units	GW01		GW02		GW03		MW-2	
SAMPLING DATE			8/9/2019		8/9/2019		8/9/2019		10/4/2019	
LAB SAMPLE ID			19H0456-01		19H0456-02		19H0456-03		L1946362-01	
				Qual		Qual		Qual		Qual
Ethylbenzene	5	ug/l	ND		ND		ND		ND	
Hexachlorobutadiene	0.5	ug/l	ND		ND		ND		ND	
Isopropylbenzene	5	ug/l	ND		ND		ND		ND	
Methyl acetate	NS	ug/l	ND		ND		ND		--	
Methyl tert butyl ether	10	ug/l	ND		ND		ND		ND	
Methylcyclohexane	NS	ug/l	ND		ND		ND		--	
Methylene chloride	5	ug/l	ND		ND		ND		ND	
n-Butylbenzene	5	ug/l	ND		ND		ND		ND	
n-Propylbenzene	5	ug/l	ND		ND		ND		ND	
Naphthalene	10	ug/l	--		--		--		ND	
o-Chlorotoluene	5	ug/l	--		--		--		ND	
o-Xylene	5	ug/l	ND		ND		ND		ND	
p-Chlorotoluene	5	ug/l	--		--		--		ND	
p-Diethylbenzene	NS	ug/l	--		--		--		ND	
p-Ethyltoluene	NS	ug/l	--		--		--		ND	
p-Isopropyltoluene	5	ug/l	ND		ND		ND		ND	
p/m-Xylene	5	ug/l	ND		ND		ND		ND	
sec-Butylbenzene	5	ug/l	ND		ND		ND		ND	
Styrene	5	ug/l	ND		ND		ND		ND	
tert Butyl alcohol	NS	ug/l	ND		ND		ND		--	
tert-Butylbenzene	5	ug/l	ND		ND		ND		ND	
Tetrachloroethene	5	ug/l	**130**	**D**	**72**	**D**	**67**	**D**	ND	
Toluene	5	ug/l	ND		ND		ND		ND	
trans-1,2-Dichloroethene	5	ug/l	ND		0.6	JD	0.6	JD	ND	
trans-1,3-Dichloropropene	0.4	ug/l	ND		ND		ND		ND	
trans-1,4-Dichloro-2-butene	5	ug/l	ND		ND		ND		ND	
Trichloroethene	5	ug/l	**9.8**	**D**	**18**	**D**	**18**	**D**	ND	
Trichlorofluoromethane	5	ug/l	ND		ND		ND		ND	
Vinyl acetate	NS	ug/l	--		--		--		ND	
Vinyl chloride	2	ug/l	1.4	D	1.1	D	1.1	D	ND	
Xylenes, Total	NS	ug/l	ND		ND		ND		ND	

Notes:

Bold and shaded yellow value indicates concentration exceeds NY-AWQS

NY-AWQS = NYSDEC Division of Water Technical and Operational Guidance Series 1.1.1 Class GA Ambient Water Quality Standards

J = Estimated value

D = Diluted

ND = Not detected

NS = No Standard

-- = Not analyzed

Samples GW01, GW02, and GW03 collected as part of Castleton's 2019 Phase II ESI

Table 4. Historic Groundwater Analytical Data
2921 Westchester Avenue
BCP #C203140

CLIENT SAMPLE ID	NY-AWQS	Units	MW-1		MW-3
SAMPLING DATE			10/4/2019		11/12/2019
LAB SAMPLE ID			L1946362-02		L1953890-01
				Qual		Qual
Volatile Organics by GC/MS					
1,1,1,2-Tetrachloroethane	5	ug/l	ND		ND
1,1,1-Trichloroethane	5	ug/l	ND		ND
1,1,2,2-Tetrachloroethane	5	ug/l	ND		ND
Freon-113	5	ug/l	--		--
1,1,2-Trichloroethane	1	ug/l	ND		ND
1,1-Dichloroethane	5	ug/l	ND		ND
1,1-Dichloroethene	5	ug/l	ND		ND
1,1-Dichloropropene	5	ug/l	ND		ND
1,2,3-Trichlorobenzene	5	ug/l	ND		ND
1,2,3-Trichloropropane	0.04	ug/l	ND		ND
1,2,4,5-Tetramethylbenzene	5	ug/l	ND		ND
1,2,4-Trichlorobenzene	5	ug/l	ND		ND
1,2,4-Trimethylbenzene	5	ug/l	ND		ND
1,2-Dibromo-3-chloropropane	0.04	ug/l	ND		ND
1,2-Dibromoethane	0.0006	ug/l	ND		ND
1,2-Dichlorobenzene	3	ug/l	ND		ND
1,2-Dichloroethane	0.6	ug/l	ND		ND
1,2-Dichloroethene, Total	NS	ug/l	ND		210
1,2-Dichloropropane	1	ug/l	ND		ND
1,3,5-Trimethylbenzene	5	ug/l	ND		ND
1,3-Dichlorobenzene	3	ug/l	ND		ND
1,3-Dichloropropane	5	ug/l	ND		ND
1,3-Dichloropropene, Total	NS	ug/l	ND		ND
1,4-Dichlorobenzene	3	ug/l	ND		ND
1,4-Dioxane	NS	ug/l	ND		ND
2,2-Dichloropropane	5	ug/l	ND		ND
2-Butanone	50	ug/l	ND		ND
2-Hexanone	50	ug/l	ND		ND
4-Methyl-2-pentanone	NS	ug/l	ND		ND
Acetone	50	ug/l	1.5	J	ND
Acrolein	NS	ug/l	--		--
Acrylonitrile	5	ug/l	ND		ND
Benzene	1	ug/l	ND		ND
Bromobenzene	5	ug/l	ND		ND
Bromochloromethane	5	ug/l	ND		ND
Bromodichloromethane	50	ug/l	ND		ND
Bromoform	50	ug/l	ND		ND
Bromomethane	5	ug/l	ND		ND
Carbon disulfide	60	ug/l	ND		ND
Carbon tetrachloride	5	ug/l	ND		ND
Chlorobenzene	5	ug/l	ND		ND
Chloroethane	5	ug/l	ND		ND
Chloroform	7	ug/l	ND		ND
Chloromethane	NS	ug/l	ND		ND
cis-1,2-Dichloroethene	5	ug/l	ND		**210**
cis-1,3-Dichloropropene	0.4	ug/l	ND		ND
Cyclohexane	NS	ug/l	--		--
Dibromochloromethane	50	ug/l	ND		ND
Dibromomethane	5	ug/l	ND		ND
Dichlorodifluoromethane	5	ug/l	ND		ND
Ethyl ether	NS	ug/l	ND		ND

Table 4. Historic Groundwater Analytical Data
2921 Westchester Avenue
BCP #C203140

CLIENT SAMPLE ID	NY-AWQS	Units	MW-1		MW-3	
SAMPLING DATE			10/4/2019		11/12/2019	
LAB SAMPLE ID			L1946362-02		L1953890-01	
				Qual		Qual
Ethylbenzene	5	ug/l	ND		ND	
Hexachlorobutadiene	0.5	ug/l	ND		ND	
Isopropylbenzene	5	ug/l	ND		ND	
Methyl acetate	NS	ug/l	--		--	
Methyl tert butyl ether	10	ug/l	ND		ND	
Methylcyclohexane	NS	ug/l	--		--	
Methylene chloride	5	ug/l	ND		ND	
n-Butylbenzene	5	ug/l	ND		ND	
n-Propylbenzene	5	ug/l	ND		ND	
Naphthalene	10	ug/l	ND		ND	
o-Chlorotoluene	5	ug/l	ND		ND	
o-Xylene	5	ug/l	ND		ND	
p-Chlorotoluene	5	ug/l	ND		ND	
p-Diethylbenzene	NS	ug/l	ND		ND	
p-Ethyltoluene	NS	ug/l	ND		ND	
p-Isopropyltoluene	5	ug/l	ND		ND	
p/m-Xylene	5	ug/l	ND		ND	
sec-Butylbenzene	5	ug/l	ND		ND	
Styrene	5	ug/l	ND		ND	
tert Butyl alcohol	NS	ug/l	--		--	
tert-Butylbenzene	5	ug/l	ND		ND	
Tetrachloroethene	5	ug/l	1.2		**470**	
Toluene	5	ug/l	ND		ND	
trans-1,2-Dichloroethene	5	ug/l	ND		ND	
trans-1,3-Dichloropropene	0.4	ug/l	ND		ND	
trans-1,4-Dichloro-2-butene	5	ug/l	ND		ND	
Trichloroethene	5	ug/l	ND		**79**	
Trichlorofluoromethane	5	ug/l	ND		ND	
Vinyl acetate	NS	ug/l	ND		ND	
Vinyl chloride	2	ug/l	ND		0.54	J
Xylenes, Total	NS	ug/l	ND		ND	

Notes:

Bold and shaded yellow value indicates concentration exceeds NY-AWQS

NY-AWQS = NYSDEC Division of Water Technical and Operational Guidance Series 1.1.1 Class GA Ambient Water Quality Standards

J = Estimated value

D = Diluted

ND = Not detected

NS = No Standard

-- = Not analyzed

Samples GW01, GW02, and GW03 collected as part of Castleton's 2019 Phase II ESI

Table 5. Project Staff Organization
2921 Westchester Avenue
BCP #C203140

Tenen Staff	Title	Role
Alana Carroll, PG	Project Manager and Qualified Environmental Professional	Responsible for overall coordination and management of the project
Matthew Carroll, PE	Quality Assurance Officer	Responsible for quality assurance of sampling procedures and laboratory data
Ashley Platt	Environmental Scientist	Responsible for the day-to-day field monitoring and sampling activities, including boring and monitoring well installation, soil, groundwater, soil vapor and indoor air sampling, dust monitoring, and PID monitoring

Appendix A

Previous Reports (on cd)

Appendix B
Quality Assurance Project Plan

Quality Assurance Project Plan

for
2921 Westchester Avenue
Remedial Investigation Work Plan

2921 Westchester Avenue – Bronx, NY
Block 4164, Lot 5
BCP Site # C203140

Submitted to:
New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau A
625 Broadway, 12th Floor
Albany, NY 12233-7016

Prepared for:
Ralford Realty Corp.
8 West 40th Street
New York, NY 10018

Prepared by:
TENEN ENVIRONMENTAL
121 West 27th Street, Suite 702
New York, NY 10001

December 2020

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Appendix B – EPA 537 Field Sampling Guidelines
Appendix C – PFAS Compounds to be Analyzed and Associated MDLs
Appendix D – Laboratory Standard Operating Procedures for PFAS Analysis

1.0 INTRODUCTION

This Quality Assurance Project Plan (QAPP) has been developed for the Remedial Investigation Work Plan (RIWP) prepared for the 2921 Westchester Avenue property (the Site).

The Site, located at 2921 Westchester Avenue, is an irregularly-shaped parcel of land located on the west side of Westchester Avenue, between Pilgrim Avenue and Buhre Avenue in the Pelham Bay section of the Bronx, New York.

The Site is improved with one two-story commercial building with a partial basement that occupies the entire Site lot. The Site consists of one tenant space of the building and a portion of the partial basement. The Site is an irregularly-shaped 525 square foot parcel located in the Bronx Community Board 10 and is generally identified as a portion of Block 4164 and Lot 5. The Site is currently occupied by a tutor and afterschool program, but was historically utilized as a dry cleaning facility.

1.1 Project Scope and QAPP Objective

The proposed scope of work includes the following:

- advancement of borings for soil and soil vapor sampling on the Site;
- installation of new groundwater monitoring wells; and,
- collection of soil, groundwater, soil vapor, and ambient air samples from soil borings, new and existing permanent monitoring wells and permanent soil vapor points.

The objective of the QAPP is to detail the policies, organization, objectives, functional activities and specific quality assurance/quality control activities designed to achieve the data quality goals or objectives of the Remedial Investigation Work Plan. This QAPP addresses how the acquisition and handling of samples and the review and reporting of data will be documented for quality control (QC) purposes. Specifically, this QAPP addresses the following:

- The procedures to be used to collect, preserve, package, and transport samples;
- Field data collection and record keeping;
- Data management;
- Chain-of-custody procedures; and,
- Determination of precision, accuracy, completeness, representativeness, decision rules, comparability and level of quality control effort.

2.0 PROJECT ORGANIZATION

The personnel detailed are responsible for the implementation of the QAPP. Tenen Environmental, LLC (Tenen) will implement the RIWP on behalf of Ralford Realty Corp. (the Participant) once it has been approved by the New York State Department of Environmental Conservation (NYSDEC).

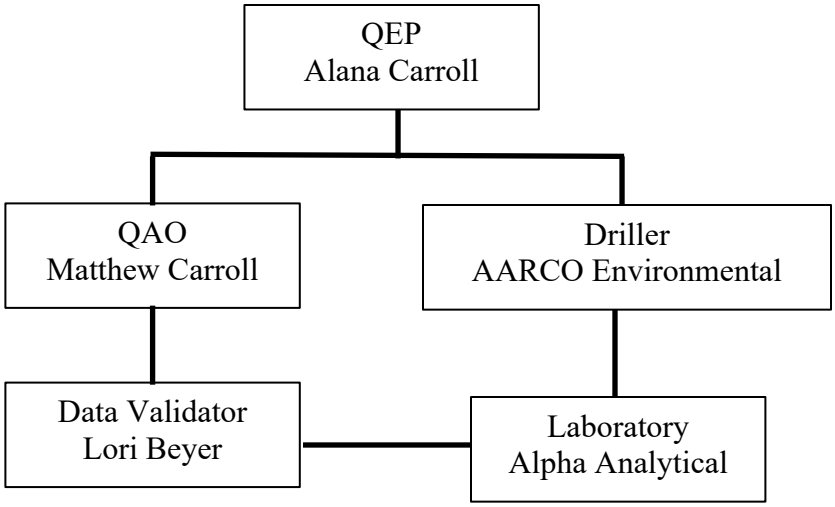
The Project Manager and Qualified Environmental Professional (QEP) will be Mrs. Alana Carroll, CPG, managing scientist at Tenen. Mrs. Carroll is a certified professional geologist with experience in all aspects of site assessment, development and implementation of remedial strategies. Her experience involves projects from inception through investigation, remediation and closure. Her expertise includes soil, soil vapor and groundwater remediation; remedial selection and design; field/health and safety oversight and preparation of work plans and reports to satisfy the requirements of various regulatory agencies. Mrs. Carroll received her BS in Geology from Hofstra University; her resume is included in Appendix A.

The Quality Assurance Officer will be Mr. Matthew Carroll, P.E., principal at Tenen. Mr. Carroll is an environmental engineer experienced in all aspects of site assessment and development and implementation of remedial strategies. His experience involves projects from inception through investigation, remediation and closure. His expertise includes soil, soil vapor and groundwater remediation; remedial selection and design; field/health and safety oversight and preparation of work plans and reports to satisfy the requirements of various regulatory agencies. Mr. Carroll received his Bachelor of Engineering from Stevens Institute of Technology and Bachelor of Science in Chemistry from New York University and is a New York State professional engineer; his resume is included in Appendix A.

In addition, Tenen will utilize subcontractors for drilling (AARCO Environmental Services of Lindenhurst, NY), laboratory services (Alpha Analytical of Westborough, MA) and data validation (L.A.B. Validation Corp. of East Northport, NY). The resume for the DUSR preparer, Ms. Lori Beyer, is included in Appendix A.

Contact Information
Remedial Party (Ralford Realty Corp.), Anthony Scovotti, 718.824.1700
Tenen Environmental, Alana Carroll or Matthew Carroll, 646.606.2332

An organization chart for the implementation of the Remedial Investigation Work Plan and QAPP is below.



3.0 SAMPLING AND DECONTAMINATION PROCEDURES

A detailed description of the procedures to be used during this program for collection of the soil, soil vapor, indoor air, ambient air and groundwater samples is provided below. Proposed sample locations are shown on Figures 1a and 1b of the Work Plan. An Analytical Methods/Quality Assurance Summary is provided in Table 1, included in Section 3.11.

3.1 Level of Effort for QC Samples

Field blank, trip blank, field duplicate and matrix spike (MS) / matrix spike duplicate (MSD) samples will be analyzed to assess the quality of the data resulting from the field sampling and analytical programs. Each type of QC sample is discussed below.

- Field and trip blanks consisting of distilled water will be submitted to the analytical laboratories to provide the means to assess the quality of the data resulting from the field-sampling program. Field (equipment) blank samples are analyzed to check for procedural chemical constituents that may cause sample contamination. Trip blanks are used to assess the potential for contamination of samples due to contaminant migration during sample shipment and storage.

- Duplicate samples are analyzed to check for sampling and analytical reproducibility.

- MS/MSD samples provide information about the effect of the sample matrix on the digestion and measurement methodology.

The general level of QC effort will be one field duplicate and one field blank (when non-dedicated equipment is used) for every 20 or fewer investigative samples of a given matrix. Additional sample volume will also be provided to the laboratory to allow one site-specific MS/MSD for every 20 or fewer investigative samples of a given matrix. One trip blank will be included along with each sample delivery group of volatile organic compound (VOC) samples. If non-dedicated sampling equipment is used to collect PFAS samples, one equipment blank will be collected at a frequency of one per day that PFAS samples are collected for a given matrix.

The analytical laboratory, Alpha Analytical, is certified under the New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) as Lab IDs 11148 and 11627. NYSDEC Analytical Services Protocol (ASP) Category B deliverables will be prepared by the laboratory.

3.2 Sample Handling

Samples will either be picked up by the laboratory, delivered to the laboratory in person by the sampler, or transported to the laboratory by overnight courier. All samples will be shipped to the laboratory to arrive within 48 hours after collection, and the laboratory will adhere to the analytical holding times for these analyses, as listed in the current version of the New York State ASP.

3.3 Custody Procedures

Sample custody will be controlled and maintained through the chain-of-custody procedures. The chain of custody is the means by which the possession and handling of samples is tracked from the site to the laboratory. Sample containers will be cleaned and preserved at the laboratory before shipment to the Site. The following sections (Sections 3.4 and 3.5) describe procedures for maintaining sample custody from the time samples are collected to the time they are received by the analytical laboratory.

3.4 Sample Storage

Samples will be stored in secure limited-access areas. Walk-in coolers or refrigerators will be maintained at 4°C, +/- 2°C, or as required by the applicable regulatory program. The temperatures of all refrigerated storage areas are monitored and recorded a minimum of once per day. Deviations of temperature from the applicable range require corrective action, including moving samples to another storage location, if necessary.

3.5 Sample Custody

Sample custody is defined by this QAPP as the following:

- The sample is in someone's actual possession;
- The sample is in someone's view after being in his or her physical possession;
- The sample was in someone's possession and then locked, sealed, or secured in a manner that prevents unsuspected tampering; or,
- The sample is placed in a designated and secured area.

Samples will be removed from storage areas by the sample custodian or laboratory personnel and transported to secure laboratory areas for analysis. Access to the laboratory and sample storage areas is restricted to laboratory personnel and escorted visitors only; all areas of the laboratory are therefore considered secure.

Laboratory documentation used to establish chain of custody and sample identification may include the following:

- Field chains of custody or other paperwork that arrives with the sample;
- Laboratory chain of custody;
- Sample labels or tags attached to each sample container;
- Sample custody seals;
- Sample preparation logs (i.e., extraction and digestion information) recorded in hardbound laboratory books, filled out in legible handwriting, and signed and dated by the chemist;
- Sample analysis logs (e.g., metals, GC/MS, etc.) information recorded in hardbound laboratory books that are filled out in legible handwriting, and signed and dated by the chemist;

- Sample storage log (same as the laboratory chain of custody); and,
- Sample disposition log, which documents sample disposal by a contracted waste disposal company.

3.6 Sample Tracking

All samples will be maintained in the appropriate coolers prior to and after analysis. Laboratory analysts will remove and return their samples, as needed. Samples that require internal chain of custody procedures will be relinquished to the analysts by the sample custodians. The analyst and sample custodian will sign the original chain of custody relinquishing custody of the samples from the sample custodian to the analyst. When the samples are returned, the analyst will sign the original chain of custody returning sample custody to the sample custodian. Sample extracts will be relinquished to the instrumentation analysts by the preparatory analysts. Each preparation department will track internal chain of custody through their logbooks/spreadsheets.

Any change in the sample during the time of custody will be noted on the chain of custody (e.g., sample breakage or depletion).

3.7 Soil Sampling

Soil samples from borings will be collected from plastic liners collected by a direct-push Geoprobe® or manual sampling hammer. In general, select soil intervals will be screened between grade and the terminal depth of the boring. New, dedicated disposable acetate liners will be used for all soil samples collected using the Geoprobe or manual sampling hammer. All casings will be decontaminated between borings, as described in Section 3.11.

The liner for each sample interval will be opened and the soil within scanned for volatile organic compounds (VOCs) using a photoionization detector (PID) and geologically described using the Unified Soil Classification System, including documentation of observations regarding potential contamination such as odors, staining, etc. All descriptions and observations will be documented in a field notebook.

At all soil boring locations, the collected soil volumes will be screened with a PID and visual (e.g., source areas – sumps, floor drains, stains, sheens, blebs, presence of NAPL, etc.) and olfactory observations will be recorded. If evidence of VOC impacts is detected and drilling conditions allow, the borehole will be extended until no impacts are detected. The full extent of the boring will be screened and samples will be collected based on the field observations and readings. For each soil delineation boring (SB-1 and SB-4 through SB-9), samples will be collected from each one-foot interval of the soil column, from directly below the basement slab to the top of bedrock (approximately 3 to 4 feet below basement grade [ft-bbg]). Soil delineation samples will be analyzed on a stepwise basis: the one-foot interval directly below the slab will be analyzed first, if this interval contains concentrations of chlorinated VOCs (cVOCs) in excess of applicable standards, then the next interval will be analyzed (VOCs, only) until a clean interval is reached. A minimum of two soil samples will be analyzed from borings located onsite. Analysis of soil samples collected from offsite soil delineation samples (if any) will terminate when a

clean interval is present. For each characterization boring (SB-2, SB-3, SB-11, SB-12, and SB-13), soil samples will be collected from the two-foot interval directly below the basement slab and the two-foot interval directly above bedrock. For the exterior offsite soil boring, one soil sample will be collected from the interval of highest suspected contamination based upon PID readings, visual and olfactory methods. If not contamination is observed, the sample will be collected from the two-foot interval directly above the groundwater interface. Samples will be collected at the intervals detailed above (e.g., based on screening, visual and olfactory indicators) to delineate the vertical and horizontal extent of site contaminants.

Soil samples to be analyzed will be collected directly from the plastic sleeves or hand tools. All collected soil samples will be placed in pre-cleaned, pre-preserved laboratory provided sample bottles or En Core samplers (En Novative Technologies, Inc.), cooled to 4°C in the field, and transported under chain-of-custody command to the designated laboratory for analysis.

A minimum of two soil samples collected from each onsite boring will be analyzed for the following analytes on the Part 375 list with a Category B deliverable package:

- Target Compound List (TCL) VOCs by EPA Method 8260C;
- TCL Semivolatile Organic Compounds (SVOCs) by EPA Method 8270C;
- Polychlorinated Biphenyls (PCBs) by EPA Method 8082A;
- Pesticides by EPA Method 8081B;
- Herbicides by EPA Method 8151A;
- Target Analyte List (TAL) Metals by EPA Method 6010C / 7471B;
- Trivalent and Hexavalent Chromium by EPA Method 3060A;
- Total Cyanide by EPA Method 9010C;
- PFAS by EPA Method 537 Modified (reporting limit of 0.5 microgram per kilogram [ug/kg]) via liquid chromatography with tandem mass spectrometry (LC-MS/MS) using methodologies based on EPA Method 537.1; and
- 1,4-Dioxane by EPA Method 8270.

All offsite samples will be analyzed for the following analytes on the Part 375 list with a Category B deliverable package:

- TCL VOCs by EPA Method 8260C.

Field methods can impact the analysis of PFAS. PFAS samples will be collected using dedicated disposable sampling equipment when possible. If dedicated disposable sampling equipment cannot be used, samples will be collected with stainless steel tools (spoons, bowls, etc.) and decontaminated using detergent (Alconox) and clean, PFAS-free water. Sampling containers for PFAS will be made of high density polyethylene (HDPE) with caps that will not be lined with polytetrafluoroethylene (PTFE). PFAS sampling containers will be kept in separate coolers from all other sampling containers and only regular ice will be used to cool the samples. Field staff conducting the sampling will not wear clothing that contains PTFE material or that has been waterproofed with PFAS material during sampling and all clothing worn will be laundered multiple times. Any bug spray or sunscreen utilized by field staff conducting the sampling will

be PFAS free. A sampling guide is included in Appendix B. A list of PFAS compounds to be analyzed and associated method detection limits (MDLs) is included in Appendix C. The laboratory standard operating procedures for PFAS analysis is included in Appendix D.

3.8 Monitoring Well Installation and Development

Four new groundwater well locations are proposed (MW-4 through MW-6 and BW-1). The offsite and exterior well will be installed and screened approximately five feet into the shallow aquifer, as determined based on field readings. The interior non-bedrock wells will be installed with a four-foot pre-packed PVC screen and seated above bedrock. The bedrock well will be installed and screened approximately five feet into bedrock. For the bedrock well, the overburden will be cased off from the underlying bedrock to prevent downward migration of cVOC impacts into bedrock fractures.

The exterior monitoring well will be installed using a direct-push Geoprobe®, the interior non-bedrock monitoring wells will be installed using a manual sampling hammer, and the bedrock monitoring well will be installed using a hydraulic drill rig with coring capabilities. A two-inch, ten-foot PVC screen (0.020-inch slot) will be installed in all exterior wells; a pre-packed, two-inch, four-foot PVC screen (0.020-inch slot) will be installed in all interior non-bedrock wells; and a two-inch five-foot screen (0.020-inch slot) will be installed five feet into bedrock for the bedrock well.

A filter of sand (US Std. sieve sizes 30 to 8) will installed in the annular space around the screen (minimum 2-inches around the circumference of the well) and will be extended two feet above the screen. The annular area around the well casing will be sealed with bentonite pellets for an interval of two feet above the filter pack in the shallow and deep wells. The annular space above the bentonite pellets to one foot below grade will be backfilled with drilling cuttings. The remaining one foot will be sealed with a concrete cap and well apron (expanding cement). A locking well cap will be installed upon completion of each well.

Following installation, at least three well volumes of the water column will be removed using a submersible pump. All permanent wells will be surveyed to a common site datum.

3.9 Groundwater Sampling

Prior to sample collection, static water levels will be measured and recorded from all monitoring wells. Monitoring wells will also be gauged for the presence of non-aqueous phase liquid (NAPL). In the event that NAPL is detected, Tenen will record the thickness and will not collect a sample. If NAPL is not detected, Tenen will purge and sample monitoring wells using low-flow/minimal drawdown purge and sample collection procedures (peristaltic pump system). Prior to sample collection, groundwater will be evacuated from each well at a low-flow rate (typically less than 0.1 L/min). Field measurements for pH, temperature, turbidity, dissolved oxygen, specific conductance, oxidation-reduction potential and water level, as well as visual and olfactory field observations, will be periodically recorded and monitored for stabilization. Purging will be considered complete when pH, specific conductivity, dissolved oxygen and

temperature stabilize and when turbidity measurements fall below 50 Nephelometric Turbidity Units (NTU) or become stable above 50 NTU.

Stability is defined as variation between field measurements of 10 percent or less and no overall upward or downward trend in the measurements. Upon stabilization of field parameters, groundwater samples will be collected and analyzed as discussed below.

Field methods can impact the analysis of perfluoroalkyl acids (PFAS). A sampling guide is included in Appendix B.

Wells will be purged and sampled using dedicated pump tubing following low-flow/minimal drawdown purge and sample collection procedures, as described above. The pump will be decontaminated between samples.

Groundwater samples will be collected for analysis through dedicated tubing. Prior to, and immediately following collection of groundwater samples, field measurements for pH, specific conductance, temperature, dissolved oxygen, turbidity and depth-to-water, as well as visual and olfactory field observations will be recorded. All collected groundwater samples will be placed in pre-cleaned, pre-preserved laboratory provided sample bottles, cooled to 4°C in the field, and transported under chain-of-custody command to the designated laboratory for analysis.

All groundwater samples will be analyzed for the following analytes on the Part 375 list and emerging contaminants with a Category B deliverable package:

- TCL VOCs by EPA Method 8260C;
- TCL SVOCs by EPA Method 8270C;
- PCBs by EPA Method 8082A;
- Pesticides by EPA Method 8081B;
- Herbicides by EPA Method 8151A;
- Total and Dissolved TAL Metals by EPA Method 6010C / 7471B;
- Total and Dissolved Trivalent and Hexavalent Chromium by EPA Method 3060A;
- Total and Dissolved Cyanide by EPA Method 9010C;
- 1,4-dioxane by EPA Method 8270D-SIM Modified; and
- PFAS by EPA Method 537 Modified (reporting limit of 2 nanograms per liter [ng/l]) via LC-MS/MS using methodologies based on EPA Method 537.1.

Field methods can impact the analysis of PFAS. PFAS samples will be collected using dedicated disposable HDPE tubing. Sampling containers for PFAS will be made of HDPE with caps that will not be lined with PTFE. PFAS sampling containers will be kept in separate coolers from all other sampling containers and only regular ice will be used to cool the samples. Field staff conducting the sampling will not wear clothing that contains PTFE material or that has been waterproofed with PFAS material during sampling and all clothing worn will be laundered multiple times. Any bug spray or sunscreen utilized by field staff conducting the sampling will be PFAS free. A sampling guide is included in Appendix B. A list of PFAS compounds to be analyzed and associated MDLs is included in Appendix C. Alpha Analytical, an ELAP-certified

lab for PFOA and PFOS in drinking water by EPA Method 537, will be performing all PFAS analyses of groundwater. The laboratory standard operating procedures for PFAS analysis is included in Appendix D.

3.10 Sub-Slab Vapor and Soil Vapor Installation and Sampling

Sub-slab vapor and soil vapor samples will be collected in accordance with the NYSDOH *Guidance for Evaluating Soil Vapor Intrusion In the State of New York*, dated October 2006.

Seven sub-slab soil vapor points (SS-1 to SS-7) will be installed within the Site basement and the three other partial basements on the Site lot to characterize onsite and offsite interior conditions. The soil vapor points will be installed within the lowest building level no more than two inches below the building slab. Three offsite and exterior soil vapor points (SV-1 through SV-3) will be installed within the sidewalks of Pilgrim Avenue and Westchester Avenue in front of residential housing to characterize offsite soil vapor conditions. The soil vapor points will be advanced to approximately 10 ft-bg.

Exterior soil vapor samples will be collected using disposable points at a depth of approximately ten feet below grade (ft-bg). A Geoprobe® direct-push rig will be used to install the exterior soil vapor sampling probes. Indoor soil vapor probes will be installed using a hand-held hammer core drill. Once the soil vapor sampling probe has been driven to the desired depth, it will be attached to disposable tubing for sample collection.

The borehole above the sampling probe to grade will be sealed using an inert sealant to prevent ambient air mixing with the soil vapor. Ambient air will be purged from the boring hole by attaching the surface end of the ¼-inch diameter Teflon® tube to an air valve and then to a vacuum pump. The vacuum pump will remove three volumes of air (volume of the sample probe and tube) prior to sample collection. The flow rate for both purging and sample collection will not exceed 0.2 liter per minute (L/min).

The sub-slab and soil vapor samples will be first screened for organic vapors using a PID. A tracer gas will be used in accordance with NYSDOH protocols to verify the integrity of the soil vapor probe seal. Helium will be used as the tracer gas and a bucket will serve to keep it in contact with the probe during testing. A portable monitoring device will be used to analyze a sample of soil vapor for the tracer prior to sampling. If the tracer sample results show a significant presence of the tracer, the probe seals will be adjusted to prevent infiltration.

A sample log sheet will be maintained summarizing sample identification, date and time of sample collection, sampling depth, identity of samplers, sampling methods and devices, soil vapor purge volumes, volume of the soil vapor extracted, vacuum of canisters before and after the samples are collected, apparent moisture content of the sampling zone and chain of custody.

Sub-slab soil vapor samples will be collected in laboratory-supplied and batch-certified 6-liter Summa canisters using eight-hour regulators in commercial structures. Soil vapor samples will be collected in laboratory-supplied and batch-certified 6-liter Summa canisters using two-hour

regulators. All soil vapor samples will be analyzed for VOCs using EPA Method TO-15.

3.11 Indoor and Ambient Air Sampling Methodology

All samples will be collected in accordance with the NYSDOH Soil Vapor Guidance. Some sample locations may be adjusted based on field observations or conditions.

Indoor air samples will be co-located with sub-slab soil vapor samples. The indoor and ambient air samples will be collected from breathing height (three to five feet above the floor) from within the Site buildings. The sampling flow rate will not exceed 0.2 L/min. Sampling will occur for eight-hours in commercial and industrial structures. A sample log sheet will be 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 soil vapor extracted, vacuum of canisters before and after the samples are collected, apparent moisture content of the sampling zone, and chain of custody protocols.

Seven indoor air samples and three ambient air samples will be collected in laboratory-supplied and individually-certified 6-liter canisters using eight-hour regulators during soil vapor sample collection. Indoor and ambient air samples will be collected during soil vapor sample collection and will be analyzed for VOCs using EPA Method TO-15.

3.12 Analytical Methods/Quality Assurance Summary Table

A summary of the analytical methods and quality assurance methods are included in Table 1, below.

Table 1
Analytical Methods/Quality Assurance Summary

Matrix	Proposed Samples	QA/QC Samples				Total # Samples	Analytical Parameter	Method	Preservative	Holding Times	Container
		TB	FB	DUP	MS/MSD						
Soil	39	2	2	2	2 / 2	49	VOCs	8260C	Cool to 4°C, No Headspace	14 days	(3) Encore samplers; (1) 2-oz plastic bottle
	24	0	2	2	2 / 2	32	SVOCs	8270D	Cool to 4°C		(1) 4-oz amber glass bottle
	24	0	2	2	2 / 2	32	Pesticides / Herbicides	8081B			
	24	0	2	2	2 / 2	32	PCBs	8082A			
	24	0	2	2	2 / 2	32	TAL Metals (plus Cyanide and Chromium)	8151A, 7196A, 3050B, 7471B, 9010C/9012B/ 9014, 3060A/7196		28 days for mercury; 30 days to extraction for hexavalent chromium (plus 7 days for analysis); 6 months for all others	
	24	0	2	2	2 / 2	32	1,4-Dioxane	8270		14 days	
	24	0	2	2	2 / 2	32	PFAS	537 Modified		14 days to extraction, 28 days following extraction	(1) 8-oz HDPE bottle

Matrix	Proposed Samples	QA/QC Samples				Total # Samples	Analytical Parameter	Method	Preservative	Holding Times	Container
		TB	FB	DUP	MS/MSD						
Groundwater	7	1	1	1	1 / 1	12	VOCs	8260C	Cool to 4°C, HCL	14 days	(3) 40 mL amber glass vials
	7	0	1	1	1 / 1	11	SVOCs	8270D	Cool to 4°C	7 days to extraction, 40 days following extraction	(2) 1 L amber glass bottle
	7	0	1	1	1 / 1	11	Pesticides / Herbicides	8081B			(2) 1 L amber glass bottle
	7	0	1	1	1 / 1	11	PCBs	8082A			
	7	0	1	1	1 / 1	11	Total TAL Metals (plus Cyanide and Chromium)	200.7, 200.8, 245.2, 6010C, 6020A, 7470A, 7472, 9010C/9012B/ 9014, 7196A	Cool to 4°C, HNO3	24 hours for hexavalent chromium, 14 days for cyanide, 28 days for mercury, 180 days for all others	(2) Plastic 500 mL bottles, HNO_3 preserved
	7	0	1	1	1 / 1	11	Dissolved TAL Metals (plus Cyanide and Chromium)	200.7, 200.8, 245.2, 6010C, 6020A, 7470A, 7472, 9010C/9012B/ 9014, 7196A	Cool to 4°C		(1) 500 mL plastic bottle
	7	0	1	1	1 / 1	11	1,4-Dioxane	8270D-SIM Modified		7 days to extraction, 40 days following extraction	(2) 500 mL amber glass bottle
	7	0	1	1	1 / 1	11	PFAS	537	Cool to 4°C	14 days to extraction	(2) 250 mL HDPE bottle

Matrix	Proposed Samples	QA/QC Samples				Total # Samples	Analytical Parameter	Method	Preservative	Holding Times	Container
		TB	FB	DUP	MS/MSD						
Sub-slab Soil Vapor	7	0	0	0	0	7	VOCs	TO-15	None	30 days	(1) 6-L Summa
Soil Vapor	3	0	0	0	0	3					(1) 6-L Summa
Indoor Air	7	0	0	0	0	7					(1) 6-L Summa
Ambient Air	3	0	0	0	0	3					

TB – Trip Blank
FB – Field Blank
DUP – Duplicate
°C – degrees Celsius
mL – milliliter
L – liter

3.13 Decontamination

Where possible, samples will be collected using new, dedicated sampling equipment so that decontamination is not required. All non-dedicated drilling tools and equipment will be decontaminated between boring locations using potable tap water and a phosphate-free detergent (e.g., Alconox) and/or a steam cleaner. All non-dedicated sampling equipment will also have a final rinse with deionized water. Decontamination water will be collected and disposed as investigation-derived waste (IDW).

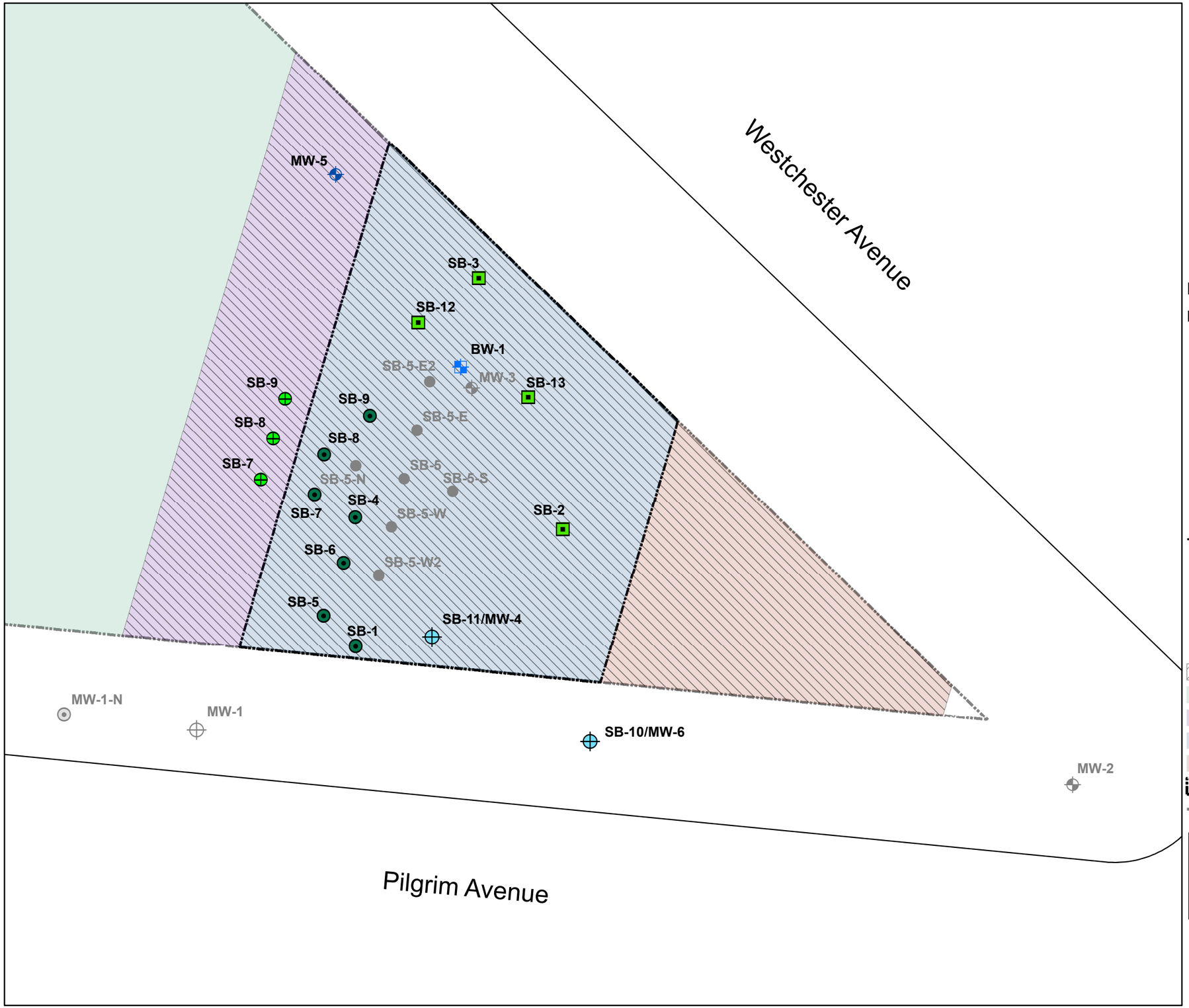
3.14 Data Review and Reporting

The NYSDEC ASP Category B data package will be validated by an independent data validation subconsultant and a DUSR summarizing the results of the data validation process will be prepared. All reported analytical results will be qualified as necessary by the data validation and will be reviewed and compared against background concentrations and/or applicable New York State criteria:

Soil –Protection of Groundwater and Restricted Commercial Use Soil Cleanup Objectives (SCOs) as listed in 6NYCRR Part 375 and NYSDEC's October 2020 PFAS Guidelines;
Groundwater – Class GA groundwater standards and guidance values for groundwater as listed in NYSDEC Technical and Operations Guidance Series (TOGS) 1.1.1 and NYSDEC's January 2020 PFAS Guidelines; and,
Soil Vapor – NYSDOH Matrices and Air Guidance Values (AGVs).

A report documenting the Remedial Investigation will be prepared, and will describe Site conditions and document applicable observations made during the sample collection. In addition, the report will include a description of the sampling procedures, tabulated sample results and an assessment of the data and conclusions. The laboratory data packages, DUSR, geologic logs, well construction diagrams, and field notes will be included in the report as appendices. All data will also be submitted electronically to NYSDEC via the Environmental Information Management System (EIMS) in EqUIS format.

Figures



Legend

Proposed Sample Locations

- Delineation Boring Sample Location
- Characterization Boring Sample Location
- Monitoring Well Sample Location
- Monitoring Well Location (Bedrock Well)
- Soil Boring/ Monitoring Well Location
- Contingency Borings

Tenen Due Diligence Sample Locations

- Soil Boring Sample Location
- Groundwater Sample Location
- Soil Boring/Groundwater Sample Location
- Soil Delineation Sample Locations
- Cellar Spaces
- Home Store
- Boost Mobile
- Vacant Space
- Barber Shop
- Site Boundary
- Tax Lot

Note: Contingency Borings will be installed if the corresponding Delineation Borings cannot be installed due to foundational elements.

0 2.5 5 10 15 20 Feet

Site

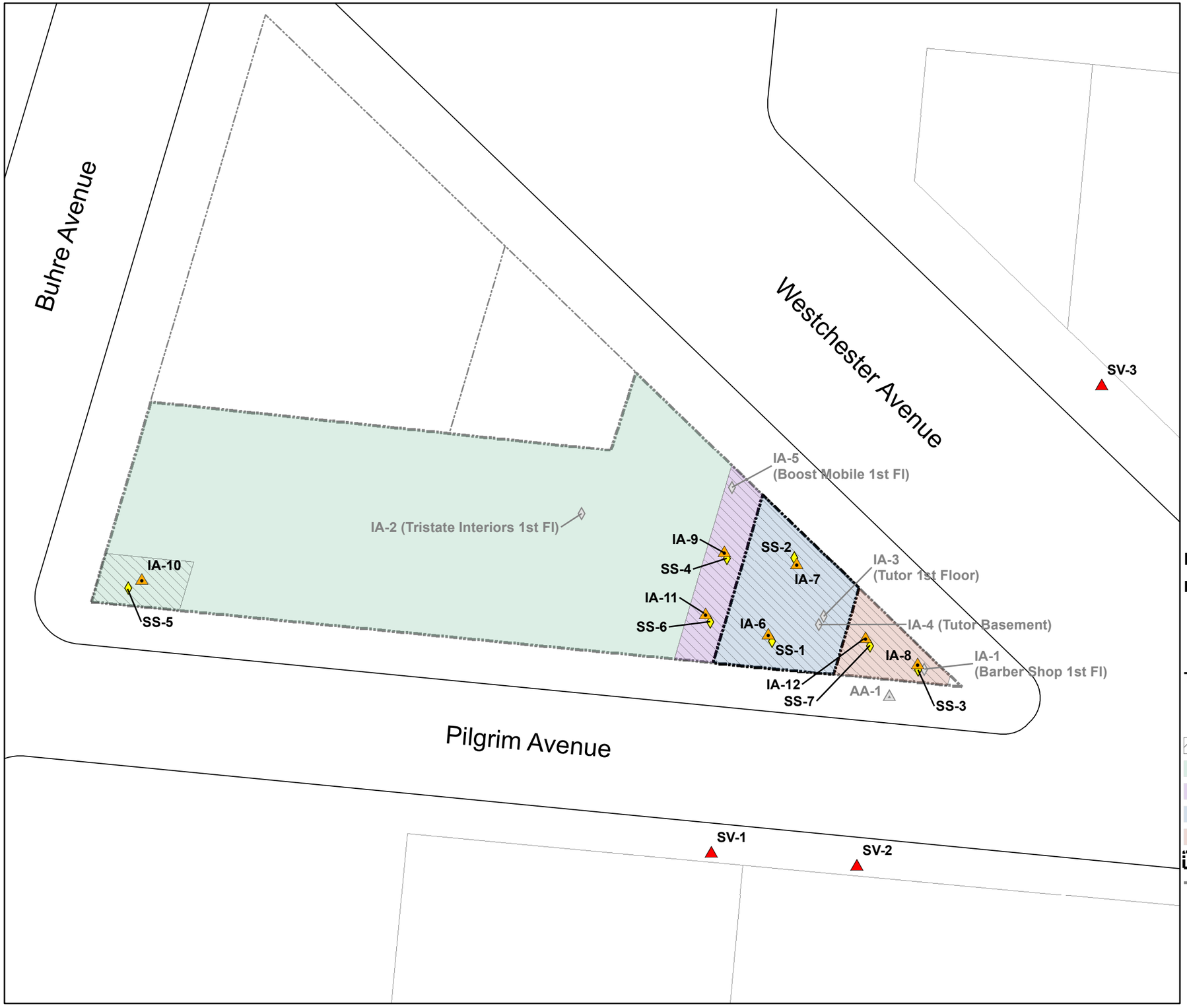
2921 Westchester Avenue
Bronx, New York
Block 4164, Lot 5

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	Checked By	Date	Scale
LM	AP	December 2020	As Noted

Drawing Title: **Proposed Soil and Groundwater Sampling Locations**

Drawing No: **Figure 1a**



Site

2921 Westchester Avenue
Bronx, New York
Block 4164, Lot 5

TENEN ENVIRONMENTAL

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

Drawn By	LM
Checked By	AP
Date	December 2020
Scale	As Noted

Drawing Title
Proposed Soil Vpaor and Indoor Air Sampling Locations

Drawing No
Figure 1b

Appendix A

Resumes

Alana M. Carroll, PG
Senior Project Manager

PROFESSIONAL PROFILE

Ms. Alana Carroll is a professional geologist with experience managing a variety of environmental consulting projects in the New York metropolitan area and specializing in remedial investigations, conceptual site modeling, and remedial design and implementation. She provides analytical, technical, and regulatory guidance to clients, including developers and environmental attorneys, on a variety of projects in various stages of investigation, remediation, and redevelopment. Ms. Carroll has managed projects from inception through investigation, remediation, and closure in the New York State Brownfield Cleanup Program, the New York State Department of Environmental Conservation (NYSDEC) Spills and Voluntary Cleanup Programs, the New York State Superfund Program, and the New York City E-Designation Program.

CREDENTIALS AND PROFESSIONAL HONORS

New York State Licensed Professional Geologist #000979
Adjunct Professor, Manhattan College, School of Engineering
M.A., Earth and Environmental Sciences, Brooklyn College, New York
B.S., Geology, Hofstra University, Uniondale, New York

CONTINUING EDUCATION AND TRAINING

OSHA 10-Hour Construction Training (2015)
Hazardous Waste Operations and Emergency Response 40-Hour Certification
(2004; refreshers 2005, 2006, 2007, 2009, 2010, 2011, 2012, 2013, 2014, and 2015)
First Aid and CPR Certified (2012)
Amtrak Contractor Safety Training (2010 and 2011)

PROFESSIONAL AFFILIATIONS

Member of Geologic Society of America
Member of New Partners for Community Revitalization

RELEVANT EXPERIENCE

New York State Brownfield Cleanup Program, Former West 18th Street MGP Site, Block 690, Lots 20 and 29, West Chelsea, Manhattan, New York—Successfully guided the client into the Brownfield Cleanup Program at the remediation stage. Prepared detailed remedial cost estimates for several redevelopment scenarios. Assisted in negotiating cleanup costs on behalf of the developer with the entity responsible for onsite contamination from former manufactured gas plant (MGP) operations. Designed and managed a pre-design investigation that delineated onsite coal tar impacts and differentiated petroleum impacts. Served on a team that designed an *in situ* stabilization treatability study. Prepared the Remedial Action Work Plan and Alternatives Analysis that included the excavation and removal of coal tar source material within two MGP gas holders and the encapsulation of residual coal tar. Performed an essential role on the construction and design team, coordinating with the structural, foundation, mechanical, and architectural contractors.

New York State Brownfield Cleanup Program, 520 West 28th Street, West Chelsea, Manhattan, New York—Managed several investigations to address New York State Spills, New York City E-Designation, and New York State Brownfield Cleanup programs. Prepared scopes of work to address requirements of both State and City regulatory agencies. Served as an essential member of the construction and design team, coordinating with the structural, foundation, mechanical, and architectural contractors. Managed access with adjacent property owners for full-scale excavation. Coordinated with State and City agencies for the satisfaction of air, noise, and hazardous waste requirements. Coordinated and managed the characterization and disposal of over 35,000 tons of hazardous material and historic fill. Designed and managed the remedial action necessary to obtain a successful Track 1 Cleanup. Assisted in negotiating a nuanced approach to support excavation that allowed for a Track 1 Cleanup. Prepared the final engineering report that expedited the certificate of completion.

New York State Brownfield Cleanup Program, Teitelbaum Dry Cleaner, Long Island City, New York—Designed and managed multiple onsite and offsite investigations to address NYSDEC and New York State Department of Health (NYSDOH) regulatory requirements with respect to chlorinated solvent impacts to groundwater and soil vapor. Designed and managed chlorinated solvent plume delineation and remediation in both groundwater and soil vapor. Prepared a technical memorandum on the fate and transport of the onsite chlorinated solvent groundwater plume that established limited liability for downgradient impacts and identified a secondary source. Coordinated with multiple adjacent parties for access. Designed a remedial approach for the site building that included source removal, groundwater injection, and a retro-fitted sub-slab depressurization system (SSDS).

Confidential Project, Steuben County, NY—Performed a forensic review and analysis of environmental records associated with five parcels of land that the State deemed as illegal solid waste dumps. Prepared and presented two technical arguments to NYSDEC and NYSDOH detailing illegal dumping, historic fill material, human health exposure pathways, bioavailability of historic fill constituents and remedial alternatives. Designed a full-scale remedial investigation of soil, groundwater and sediments for five parcels of historically industrial land.

New York City Voluntary Cleanup Program, Gallery Row, West Chelsea, Manhattan, New York—Managed multiple investigations over five tax lots to address New York City E-Designation and Voluntary Cleanup Program requirements. Designed a remedial action that incorporates a phased and targeted excavation below Highline Park. Coordinated with State and City agencies for the satisfaction of air, noise, and hazardous waste requirements. Served as an integral part of the construction and design team.

New York State Brownfield Cleanup Program, Former Nu-Brite Dry Cleaner, 1299 First Avenue, East Side, Manhattan, New York—Designed and managed multiple investigations to address onsite chlorinated solvent impacts to soil, groundwater, and soil vapor. Site challenges included investigation and remedial action within existing, occupied building sites. Designed and managed a bedrock fracture investigation to address potential impacts to bedrock. Designed and managed offsite delineation of chlorinated solvent plume in soil vapor. Directed multiple offsite soil vapor investigations within adjacent properties; assisted in negotiating several nuanced access agreements. Managed an onsite interim remedial measure including the installation of a retro coat vapor barrier and retro-fitted SSDS within the site building.

New York State Brownfield Cleanup Program, 34th Street and 42nd Street, West Side, Manhattan, New York—Designed and managed multiple investigations to address New York State Spills and Brownfield Cleanup programs. Prepared scopes of work to address requirements of both state regulations and those agreed to by the former owner. Coordinated

with NYSDEC to modify scopes based on field observations and limitations, which resulted in not having to mobilize for additional investigations. Coordinated with multiple entities for access to perform investigations, including Javits Convention Center, Amtrak, New York City Department of Transportation, Metropolitan Transit Authority, and their contractors. Developed a three-phase analysis plan with the laboratory to determine the minimum required extent of excavation next to an Amtrak line while limiting analytical costs, decreasing in the extent of excavation, and lowering disposal and structural support requirement costs.

New York State Brownfield Cleanup Program, 388 Bridge Street, Downtown Brooklyn, New York—Designed and managed all onsite and offsite investigations of soil, soil gas, groundwater, and indoor air, including coordination of staff and subcontractors. Prepared investigation reports for submittal to client, project team, NYSDEC, and NYSDOH. Participated in project team decision making with clients, lawyers, construction manager, and other consultants. Managed New York City Transit approvals for subsurface investigations near subway lines. Coordinated offsite access in residences, commercial spaces, and a private school. Participated in soil vapor extraction pilot test implementation and reporting. Assisted with implementation of an offsite SSDS in an existing building; activities included system design/layout, installation oversight, testing, and long-term operation and maintenance. Responsible for NYSDEC/NYSDOH coordination and reporting for all investigations. Tracked project activities for inclusion in NYSDEC/NYSDOH programmatic submittals, including monthly reports and remedial schedules.

New York Department of Environmental Remediation, Class 2 State Superfund, Laurel Hill Site, Queens, New York—Managed multiphase, multiparcel project involving design, installation, and ongoing operation, maintenance, and monitoring of six remedial caps. Site challenges included the division of the site into individual parcels that were independent of one another; subsequently, each parcel had a stormwater management design individual to the surrounding parcels. Other challenges included the site's position in a wetlands area fronting Newtown Creek, and working with the New York City Department of Transportation to facilitate its schedule for the adjacent Kosciusko Bridge restoration.

New York State Brownfield Cleanup Program, Willets Point Development, Queens, New York—Managed the Brownfield Cleanup Program application and Phase I environmental site assessment effort for 45 parcels of industrialized land. Coordinated with multiple interested parties, including New York City Department of Housing Preservation and Development and the Economic Development Corporation for access and contracting.

New York State Brownfield Cleanup Program, Uniforms for Industry, Queens, New York—Designed and managed an alternative approach to the offsite soil vapor intrusion investigation. Utilized soil vapor modeling to evaluate potential human health risks and migration probabilities. Provided support for the design of a retrofitted passive venting system.

New York State Spills Program, Gotham Center, Queens, New York—Responsible for proposal and budget development, subcontractor selection and coordination, negotiation, and preparation of subcontractor terms and agreements, budget, and invoice review for a comprehensive subsurface investigation. Prepared and implemented scope of work for delineation of soil contamination and calculation of contaminant mass estimates. Subsequent to interpretation of site data and subgrade characteristics, developed and presented remedial alternatives and associated costs for internal and client project teams. Prepared remedial investigation report in coordination with the New York City Economic Development Corporation and the client for submittal to state regulators.

Mohamed Ahmed, Ph.D., C.P.G.
Sr. Geologist/Principal

Experience Summary

Mohamed Ahmed is a certified professional geologist with nearly 23 years of experience in the New York City metropolitan area. He has designed and implemented subsurface investigations and is proficient in groundwater modeling, design of groundwater treatment systems and soil remediation. He has managed numerous projects focused on compliance with the New York State Brownfield Cleanup and Spills programs and the New York City "e" designation program. Dr. Ahmed also has extensive experience in conducting regulatory negotiations with the New York State Department of Environmental Conservation, the NYC Office of Housing Preservation and Development, and the Mayor's Office of Environmental Remediation.

Selected Project Experience

Willoughby Square, Downtown Brooklyn
As Project Manager, directs all regulatory interaction and investigation on this joint public-private sector redevelopment that will include a public park and four-level underground parking garage. Prepared the remedial investigation work plan and remedial action work plan, conducted investigation activities and waste characterization, and negotiated with the NYC Department of Environmental Protection and the Mayor's Office of Environmental Remediation to transition the site into the NYC Voluntary Cleanup Program.

School Facility, Borough Park, Brooklyn
Managed all regulatory agency coordination, work plan and report preparation and remedial oversight; worked with OER to determine measures to retroactively address the hazardous materials and air quality E-designations on a previously constructed school building and prepared supporting documentation to justify the use of electrical units rather than natural gas.

LGA Hotel Site, East Elmhurst, Queens
Project manager for all work conducted at this former gasoline service station which is being remediated under the NYS Brownfield Cleanup Program; technical oversight of work plans, reports, and design and implementation of field and soil disposal characterization.

436 10th Avenue, Manhattan
As project manager and technical lead, assisted client in developing remedial cost estimates used for property transaction, developed regulatory strategy to address NYS Spills and NYC E-designation requirements, and currently overseeing remedial activities which include removal and disposal of petroleum-contaminated bedrock and dewatering and disposal of impacted groundwater.

Brownfield Cleanup Program Site, Downtown Brooklyn
Managed investigation and remediation under the BCP program for a proposed mixed-use development; designed the remedial investigation and prepared the remedial action work plan which includes an SVE system monitored natural attenuation. Prepared remedial cost

estimates for several scenarios. The project will include a 53-story mixed-use structure and parking garage.

Queens West Development, Long Island City
Directed project team and subcontractors for soil investigation/remediation studies on multiple properties; provided technical support for negotiations with NYSDEC during investigation and remediation.

Former Creosote Site, Long Island City
Designed and implemented a complex investigation to assess the nature and extent of historic creosote contamination at this former industrial site; conducted studies to optimize recovery of LNAPL and DNAPL and developed strategies using bioremediation and natural attenuation in conjunction with conventional remedial approaches. Performed pilot tests for soil vapor extraction system design and coordinated with NYSDEC and NYSDOH to implement sub-slab soil vapor sampling.

NYSDEC Spill Site – Far West Side, Manhattan
Developed a detailed remedial cost estimate for to support client negotiations with a major oil company. The estimate included costs pertaining to: chipping, removal and disposal of petroleum-impacted bedrock; removal/disposal of recycled concrete; costs for dewatering and disposal of impacted groundwater during construction; and design and installation of a vapor barrier below the redevelopment.

Active Industrial Facility, Newburgh, New York
Designed remedial investigation of soil and groundwater contaminated with trichloroethane; performed soil vapor pilot test and pump test to aid in design of soil and groundwater remediation alternatives; conducted sub-slab vapor sampling in accordance with NYSDOH guidance.

Former Dry Cleaning Facility, New York City
Conducted soil and groundwater investigations, designed and installed a soil vapor extraction system and performed extensive testing of indoor air. Negotiated the scope of the RI and IRM with NYSDEC.

Waterfront Redevelopment, Yonkers, NY
Designed and performed geophysics survey of six parcels to determine locations of subsurface features; supervised test pit excavation to confirm geophysics results and evaluate and classify soil conditions prior to development activities.

Prince's Point, Staten Island, New York
Performed soil, groundwater and sediment sampling to delineate the extent of contamination; used field-screening techniques to control analytical costs and supervised soil excavation and disposal.

Apartment Complex, New York City, New York
Coordinated with Con Edison, the owner of the adjacent property and NYSDEC to determine oil recovery protocol; assessed hydrogeological conditions and conducted pilot tests to design cost-effective recovery system; designed and supervised installation of recovery system.

Publications

"Impact of Toxic Waste Dumping on the Submarine Environment: A Case Study from the New York Bight". Northeastern Geology and Environmental Sciences, V. 21, No. 12, p. 102-120. (With G. Friedman)

Metals Fluxes Across the Water/Sediment Interface and the Influence of pH. Northeastern Geology and Environmental Sciences, in press. (With G. Friedman)

"Water and Organic Waste Near Dumping Ground in the New York Bight". International Journal of Coal Geology, volume 43. (With G. Friedman)

Education and Certifications

Ph.D., Earth and Environmental Sciences, Graduate Center of the City of New York (2001)
M.Ph., Earth and Environmental Sciences, City University of New York (1998)
M.A. Geology, Brooklyn College (1993)
B.S. Geology, Alexandria University, Egypt (1982)

American Institute of Professional Geologists, Certified Professional Geologist, 1997-2015

Matthew Carroll, P.E.
Environmental Engineer/Principal

Experience Summary

Matthew Carroll is an environmental engineer experienced in all aspects of site assessment and development and implementation of remedial strategies. He has managed projects from inception through investigation, remediation and closure. His expertise includes soil, soil gas, and groundwater remediation, preparation of cost estimates, remedial alternative selection and design, soil characterization for disposal, field safety oversight, and preparation of work plans and reports to satisfy New York and New Jersey state requirements, and New York City "e" designation and restrictive declarations. Mr. Carroll's project management experience includes past management of a New York City School Construction Authority hazardous materials contract. He is responsible for all engineering work performed by Tenen and is currently the project manager and remedial engineer for several New York State Brownfield Cleanup Program sites.

Selected Project Experience

470 Kent Avenue, Brooklyn
As project manager, supported the client in due diligence and transactional activities, including a Phase I ESA, preliminary site investigation, and remedial cost estimate; preparation of BCP application and remedial investigation work plan. The former manufactured gas plant, sugar refinery and lumberyard will be developed as a mixed-use project with market rate and affordable housing and public waterfront access. As remedial engineer, will be responsible for development of remedial alternatives and oversight and certification of all remedial activities.

500 Exterior Street, Bronx
Designed and implemented the investigation of this former lumberyard and auto repair shop that will be redeveloped as mixed use development with an affordable housing component; prepared BCP application and subsequent work plans and reports. Designed a remedial strategy incorporating both interim remedial measures (IRMs) and remediation during the development phase.

Gateway Elton I and II, Brooklyn
Conducted soil disposal characterization, prepared Remedial Action Work Plans and designed methane mitigation systems for two phases of a nine-building residential development and commercial space; prepared and oversaw implementation of a Stormwater Pollution Prevention Plan during construction and prepared and certified the remedial closure reports for the project.

Affordable Housing Development, Rye, NY
Consultant to the City of Rye on environmental issues pertaining to a county-owned development site slated for an afford senior housing; reviewed environmental documentation for the project and prepared summary memorandum for City Council review; recommended engineering controls to address potential exposure to petroleum constituents, presented report findings at public meetings and currently providing ongoing environmental support during project implementation.

Queens West Development BCP Site, Long Island City, New York
Assistant Project Manager for two developers involved in the site.

- Responsible for oversight of remediation under the New York State Brownfield Cleanup Program
- Technical review of work plans and reports and coordination of the Applicant's investigation and oversight efforts
- Provided input for mass calculations and well placement for an in-situ oxidation remedy implemented on a proposed development parcel and within a City street
- Conducted technical review of work pertaining to a former refinery. Documents reviewed included work plans for characterization and contaminant delineation; pilot test (chemical oxidation); remediation (excavation and groundwater treatment). Managed field personnel conducting full time oversight and prepared progress summaries for distribution to project team
- Following implementation of remedial action, implemented the Site Management Plan and installation/design of engineering controls (SSDS, vapor barrier/concrete slab, NAPL recovery). Also responsible for coordination with NYSDEC

Brownfield Cleanup Program Redevelopment Sites – West Side, New York City
Managed remediation of a development consisting of four parcels being addressed under one or more State and city regulatory programs (NYS Brownfield Cleanup Program, NYS Spills, and NYC "e" designation program). Remediation includes soil removal, screening and disposal; treatment of groundwater during construction dewatering and implementation of a worker health and safety plan and community air monitoring plan (HASP/CAMP)

Managed an additional BCP site, supported the Applicant in coordination with MTA to create station access for the planned No. 7 subway extension; also provided support the client in coordination with Amtrak to obtain access for remedial activities on the portion of the site that is within an Amtrak easement. The site will eventually be used for construction of a mixed-use high-rise building.

BCP Site, Downtown Brooklyn, New York
Performed investigation on off-site properties and designed an SSDS for an adjacent building, retrofitting the system within the constraints of the existing structure; coordinated the installation of the indoor HVAC controls and vapor barrier; provided input to the design of a SVE system to address soil vapor issues on the site.

West Chelsea Brownfield Cleanup Program Site
Designed an in-situ remediation program and sub-slab depressurization system to address contamination remaining under the High Line Viaduct; SSDS design included specification of sub-grade components, fan modeling and selection, identifying exhaust location within building constraints and performance modeling; prepared the Operations Maintenance and Monitoring Plan and Site Management Plan sections pertaining to the SSDS.

Historic Creosote Spill Remediation – Queens, New York – New York State Voluntary Cleanup Program
Modeled contamination volume and extent and prepared mass estimates of historic fill constituents and creosote-related contamination; designed a soil vapor extraction (SVE) and dewatering system to address historic creosote release both above and below static

water table; coordinated with the Metropolitan Transit Authority and prepared drawings to secure approval to drill in the area of MTA subway tunnels.

NYSDEC Spill Site– Far West Side, Manhattan
Provided support to client during negotiations with a major oil company regarding allocation of remedial costs. Worked with client's attorney to develop a regulatory strategy to address the client's obligations under the NYSDEC Spills Program and the New York City "e" designation requirements.

Affordable Housing Site, Brooklyn, New York
Modified prior work plans for soil, soil vapor and groundwater investigation to address requirements for site entry into the New York City Brownfield Cleanup Program. Prepared technical basis for use of prior data previously disallowed by OER. Currently conducting site investigation.

New York City School Construction Authority Hazardous Materials Contract
Provided work scopes and cost estimates, managed and implemented concurrent projects, including Phase I site assessments, Phase II soil, groundwater and soil gas investigations, review of contractor bid documents, preparation of SEQR documents, specifications and field oversight for above- and underground storage tank removal, and emergency response and spill control.

Former Manufacturing Facility, Hoboken, New Jersey
Evaluated site investigation data to support a revision of the current property use to unrestricted; modified the John & Ettinger vapor intrusion model to apply the model to a site-specific, mixed use commercial/residential development; implemented a Remedial Action Work Plan that included the characterization, removal and separation of 9,500 cubic yards of historic fill; designed and implemented a groundwater characterization/delineation program using a real-time Triad approach; designed and implemented an innovative chemical oxidation technology for the property.

F**ormer Varnish Manufacturer – Newark, New Jersey**
Prepared a Phase I environmental site assessment; implemented soil and groundwater sampling to assess presence of petroleum and chlorinated compounds; prepared alternate cost remediation scenarios for settlement purposes and implemented a groundwater investigation plan, including pump tests and piezometer installation to assess the effect of subsurface utilities and unique drainage pathways upon contaminant transport.

Education and Certifications

Professional Engineer, New York
Bachelor of Engineering, Environmental; Stevens Institute of Technology, 2002
Bachelor of Science, Chemistry, New York University, 2002
Technical and Regulatory Training in Underground Storage Tanks, Cook College, Rutgers University, 2006

L.A.B. Validation Corp., 14 West Point Drive, East Northport, New York 11731

Lori A. Beyer

SUMMARY: General Manager/Laboratory Director with a solid technical background combined with Management experience in environmental testing industry. Outstanding organizational, leadership, communication and technical skills. Customer focused, quality oriented professional with consistently high marks in customer/employee satisfaction.

EXPERIENCE:

1998-Present L.A.B. Validation Corporation, 14 West Point Drive, East Northport, NY
President

- Perform Data Validation activities relating to laboratory generated Organic and Inorganic Environmental Data.

1998-Present American Analytical Laboratories, LLC. 56 Toledo Street, Farmingdale, NY
Laboratory Director/Technical Director

- Plan, direct and control the operation, development and implementation of programs for the entire laboratory in order to meet AAL's financial and operational performance standards.
- Ensures that all operations are in compliance with AAL's QA manual and other appropriate regulatory requirements.
- Actively maintains a safe and healthy working environmental that is demanded by local laws/regulations.
- Monitors and manages group's performance with respect to data quality, on time delivery, safety, analyst development/goal achievement and any other key performance indices.
- Reviews work for accuracy and completeness prior to release of results to customers.

1996-1998 Nytest Environmental, Inc. (NEI) Port Washington, New York
General Manager

- Responsible for controlling the operation of an 18,000 square foot facility to meet NEI's financial and operational performance standards.
- Management of 65 FTEs including Sales and Operations
- Ensure that all operations are in compliance with NEI's QA procedures
- Ensures that productivity indicators, staffing levels and other cost factors are held within established guidelines
- Maintains a quantified model of laboratory's capacity and uses this model as the basis for controlling the flow of work into and through the lab so as to ensure that customer requirements and lab's revenue and contribution targets are achieved.

1994-1996 Nytest Environmental, Inc. (NEI) Port Washington, New York
Technical Project Manager

- Responsible for the coordination and implementation of environmental testing programs requirements between NEI and their customers
- Supervise Customer Service Department
- Assist in the development of major proposals
- Complete management of all Federal and State Contracts and assigned commercial contracts
- Provide technical assistance to the customer, including data validation and interpretation
- Review and Implement Project specific QAPP's.

1995-1996 Nytest Environmental, Inc. (NEI) Port Washington, New York
Corporate QA/QC Officer

- Responsible for the implementation of QA practices as required in the NJDEP and EPA Contracts
- Primary contact for NJDEP QA/QC issues including SOP preparation, review and approval
- Responsible for review, verification and adherence to the Contract requirements and NEI QA Plan

1992-1994 Nytest Environmental, Inc. (NEI) Port Washington, New York
Data Review Manager

- Responsible for the accurate compilation, review and delivery of analytical data to the company's customers. Directly and effectively supervised a department of 22 personnel.
- Managed activities of the data processing software including method development, form creation, and production
- Implement new protocol requirements for report and data management formats
- Maintained control of data storage/archival areas as EPA/CLP document control officer

1987-1991 Nytest Environmental, Inc. (NEI) Port Washington, New York
Data Review Specialist

- Responsible for the review of GC, GC/MS, Metals and Wet Chemistry data in accordance with regulatory requirements
- Proficient with USEPA, NYSDEC, NJDEP and NEESA requirements
- Review data generated in accordance with SW846, NYSDEC ASP, EPA/CLP and 40 CFR Methodologies

1986-1987 Nytest Environmental, Inc (NEI) Port Washington, New York
GC/MS VOA Analyst

EDUCATION:

1982-1985 State University of New York at Stony Brook, New York; BS Biology/Biochemistry
1981-1982 University of Delaware; Biology/Chemistry
5/91 Rutgers University; Mass Spectral Data Interpretation Course, GC/MS Training
8/92 Westchester Community College; Organic Data Validation Course
9/93 Westchester Community College; Inorganic Data Validation Course

Westchester Community College
Professional Development Center

Awards this Certificate of Achievement To

LORI BEYER

for Successfully Completing

ORGANIC DATA VALIDATION COURSE (35 HOURS)

Dr. John Samuelian

Date AUGUST 1992

Assistant Dean
Professional Development Center

President

The Professional Development Center

SUNY
WESTCHESTER COMMUNITY COLLEGE
Valhalla, New York 10595

Westchester Community College
Professional Development Center

Awards this Certificate of Achievement To

LORI BEYER

for Successfully Completing

INORGANIC DATA VALIDATION

Instructor: Dale Boshart

Date MARCH 1993

Assistant Dean
Professional Development Center

President

The Professional Development Center

SUNY
WESTCHESTER COMMUNITY COLLEGE
Valhalla, New York 10595

New York State Department of Environmental Conservation
50 Wolf Road, Albany, New York 12233

Thomas C. Jorling
Commissioner

July 8, 1992

Ms. Elaine Sall
Program Coordinator
Westchester Community College
Valhalla, NY 10595-1698

Dear Elaine,

Thank you for your letter of June 29, 1992. I have reviewed the course outline for organic data validation, qualifications for teachers and qualifications for students. The course that you propose to offer would be deemed equivalent to that which is offered by EPA. The individuals who successfully complete the course and pass the final written exam would be acceptable to perform the task of organic data validation for the Department of Environmental Conservation, Division of Hazardous Waste Remediation.

As we have discussed in our conversation of July 7, 1992, you will forward to me prior to the August course deadline, the differences between the EPA SOW/90 and the NYSDEC ASP 12/91. You stated these differences will be compiled by Mr. John Samulian.

I strongly encourage you to offer an inorganic data validation course. I anticipate the same list of candidates would be interested in an inorganic validation course as well, since most of the data to be validated consists of both organic and inorganic data.

Thank you for you efforts and please contact me if I can be of any further assistance.

Sincerely,

Maureen P. Serafini

Maureen P. Serafini
Environmental Chemist II
Division of Hazardous Waste
Remediation

The Professional
Development Center
AT
WESTCHESTER COMMUNITY COLLEGE

914 285-6619

October 2, 1992

Ms. Lori Beyer
3 sparkill Drive
East Northport, NY 11731

Dear Ms. Beyer:

Congratulations upon successful completion of the Organic Data Validation course held August 17 - 21, 1992, through Westchester Community College, Professional Development Center. This course has been deemed by New York State Department of Environmental Conservation as equivalent to EPA's Organic Data Validation Course.

Enclosed is your Certificate. Holders of this Certificate are deemed competent to perform organic data validation for the New York State DEC Division of Hazardous Waste Remediation.

The Professional Development Center at Westchester Community College plans to continue to offer courses and seminars which will be valuable to environmental engineers, chemists and related personnel. Current plans include a TCLP seminar on November 17th and a conference on Environmental Monitoring Regulations on November 18th.

We look forward to seeing you again soon at another environmental program or event. Again, congratulations.

Very truly yours,

Passing Grade is 70%
Your Grade is 99%

Elaine Sall
Program Coordinator

ES/bf

SUNY
WESTCHESTER COMMUNITY COLLEGE
Valhalla, New York 10595

The Professional
Development Center
AT
WESTCHESTER COMMUNITY COLLEGE

914 285-6619

June 21, 1993

Dear Ms. Beyer:

Enclosed is your graded final examination in the Inorganic Data Validation course you completed this past March. A score of 70% was required in order to receive a certificate of satisfactory completion. Persons holding this certificate are deemed acceptable to perform Inorganic Data Validation for the New York State Department of Environmental Conservation, Division of Hazardous Waste Remediation.

I am also enclosing a course evaluation for you to complete if you have not already done so. The information you provide will greatly aid us in structuring further courses. We wish to make these course offerings as relevant, targeted and comprehensive as possible. Your evaluation is vital to that end.

Congratulations on your achievement. I look forward to seeing you again at another professional conference or course. We will be co-sponsoring an environmental monitoring conference on October 21, 1993 with the New York Water Pollution Control Association, Lower Hudson Chapter, at IBM's Yorktown Heights, NY site. Information regarding this event will be going out in August.

Very truly yours,

Elaine Sall

Elaine Sall
Program Coordinator

ES/bf

Enclosures

SUNY
WESTCHESTER COMMUNITY COLLEGE
Valhalla, New York 10595

Appendix B

EPA 537 Field Sampling Guidelines

EPA 537 (PFAS) Field Sampling Guidelines

PLEASE READ INSTRUCTIONS ENTIRELY PRIOR TO SAMPLING EVENT

Sampling for PFAS via EPA 537 can be challenging due to the prevalence of these compounds in consumer products. The following guidelines are strongly recommended when conducting sampling.

Reference-NHDES https://www.des.nh.gov/organization/divisions/waste/hwrb/documents/pfc-stakeholder-notification-20161122.pdf

FIELD CLOTHING and PPE

- No clothing or boots containing Gore-Tex®
- All safety boots made from polyurethane and PVC
- No materials containing Tyvek®
- Do not use fabric softener on clothing to be worn in field
- Do not used cosmetics, moisturizers, hand cream, or other related products the morning of sampling
- Do not use unauthorized sunscreen or insect repellant (see reference above for acceptable products)

FOOD CONSIDERATIONS

No food or drink on-site with exception of bottled water and/or hydration drinks (i.e., Gatorade and Powerade) that is available for consumption only in the staging area

OTHER RECOMMENDATIONS

Sample for PFAS first! Other containers for other methods may have PFAS present on their sampling containers

SAMPLE CONTAINERS

- All sample containers made of HDPE or polypropylene
- Caps are unlined and made of HDPE or polypropylene (no Teflon® -lined caps)

WET WEATHER (AS APPLICABLE)

Wet weather gear made of polyurethane and PVC only

EQUIPMENT DECONTAMINATION

- "PFAS-free" water on-site for decontamination of sample equipment. No other water sources to be used
- Only Alconox and Liquinox can be used as decontamination materials

FIELD EQUIPMENT

- Must not contain Teflon® (aka PTFE) or LDPE materials
- All sampling materials must be made from stainless steel, HDPE, acetate, silicon, or polypropylene
- No waterproof field books can be used
- No plastic clipboards, binders, or spiral hard cover notebooks can be used
- No adhesives (i.e. Post-It® Notes) can be used
- Sharpies and permanent markers not allowed; regular ball point pens are acceptable
- Aluminum foil must not be used
- Keep PFC samples in separate cooler, away from sampling containers that may contain PFAS
- Coolers filled with regular ice only - Do not use chemical (blue) ice packs

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EPA 537 (PFAS) Field Sampling Guidelines

PLEASE READ INSTRUCTIONS ENTIRELY PRIOR TO SAMPLING EVENT

Sampler must wash hands before wearing nitrile gloves in order to limit contamination during sampling. Each sample set requires a set of containers to comply with the method as indicated below. **Sample set is composed of samples collected from the same sample site and at the same time.*

Container Count	Container Type	Preservative
3 Sampling Containers - Empty	250 mL container	Pre preserved with 1.25 g Trizma
1 Reagent Water for Field Blank use	250 mL container	Pre preserved with 1.25 g Trizma
P1 Field Blank (FRB) - Empty	250 mL container	Unpreserved

Sampling container must be filled to the neck. For instructional purposes a black line has been drawn to illustrate the required fill level for each of the 3 Sample containers

Field blanks are recommended and the containers have been provided, please follow the instructions below.

Field Blank Instructions:

1. Locate the Reagent Water container from the bottle order. The Reagent Water container will be pre-filled with PFAS-free water and is preserved with Trizma.
2. Locate the empty container labeled "Field Blank".
3. Open both containers and proceed to transfer contents of the "Reagent Water" container into the "Field Blank" container.
4. If field blanks are to be analyzed, they need to be noted on COC, and will be billed accordingly as a sample.

Both the empty Reagent Water container and the filled Field Blank container must be returned to the lab along with the samples taken.

Sampling Instructions:

1. Each sampling event requires 3 containers to be filled to the neck of the provided containers for each sampling location.
2. Before sampling, remove faucet aerator, run water for 5 min, slow water to flow of pencil to avoid splashing and fill sample containers to neck of container (as previously illustrated) and invert 5 times.
3. Do not overfill or rinse the container.
4. Close containers securely. Place containers in sealed ZipLoc® bags, and in a separate cooler (no other container types).
5. Ensure Chain-of-Custody and all labels on containers contain required information. Place sample, Field Blank and empty Reagent Blank containers in ice filled cooler (do not use blue ice) and return to the laboratory. Samples should be kept at 4°C ±2. Samples must not exceed 10°C during first 48 hours after collection. Hold time is 14 days.

Please contact your Alpha Analytical project manager with additional questions or concerns.

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Appendix C

PFAS Compounds to be Analyzed and Associated MDLs

Appendix C

PFAS Compounds to be Analyzed and Associated MDLs

Analyte	Soil MDL (ng/g)	Groundwater MDL (ng/l)
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	0.275	0.2908
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	0.198	0.194
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.09	0.3728
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	0.103	0.2504
Perfluorobutanesulfonic Acid (PFBS)	0.0635	0.38
Perfluorobutanoic Acid (PFBA)	0.0213	0.3732
Perfluorodecanesulfonic Acid (PFDS)	0.097	0.386
Perfluorodecanoic Acid (PFDA)	0.072	0.62
Perfluorododecanoic Acid (PFDoA)	0.086	0.592
Perfluoroheptanesulfonic Acid (PFHpS)	0.136	0.52
Perfluoroheptanoic Acid (PFHpA)	0.064	0.372
Perfluorohexanesulfonic Acid (PFHxS)	0.057	0.436
Perfluorohexanoic Acid (PFHxA)	0.064	0.492
Perfluorononanoic Acid (PFNA)	0.083	0.436
Perfluorooctanesulfonamide (FOSA)	0.1025	0.556
Perfluorooctanesulfonic Acid (PFOS)	0.1205	0.56
Perfluorooctanoic Acid (PFOA)	0.04105	0.46
Perfluoropentanoic Acid (PFPeA)	0.01035	0.464
Perfluorotetradecanoic Acid (PFTA)	0.07	0.988
Perfluorotridecanoic Acid (PFTrDA)	0.062	0.314
Perfluoroundecanoic Acid (PFUnA)	0.056	0.424

Appendix D

Laboratory Standard Operating Procedures for PFAS Analysis

Determination of Selected Perfluorinated Alkyl Substances by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry Isotope Dilution (LC/MS/MS)

Reference: EPA Method 537, Version 1.1, September 2009, EPA Document #: EPA/600/R-08/09

EPA Method 537.1, Version 1, November 2018, EPA Document #: EPA/600/R-18/352

Department of Defense, Quality Systems Manual for Environmental Laboratories, Version 5.2, .2019

1. Scope and Application

Matrices: Drinking water, Non-potable Water, and Soil Matrices

Definitions: Refer to Alpha Analytical Quality Manual.

1.1 This is a liquid chromatography/tandem mass spectrometry (LC/MS/MS) method for the determination of selected perfluorinated alkyl substances (PFAS) in Non-Drinking Water and soil Matrices. Accuracy and precision data have been generated in reagent water, and finished ground and surface waters for the compounds listed in Table 1.

1.2 The data report packages present the documentation of any method modification related to the samples tested. Depending upon the nature of the modification and the extent of intended use, the laboratory may be required to demonstrate that the modifications will produce equivalent results for the matrix. Approval of all method modifications is by one or more of the following laboratory personnel before performing the modification: Area Supervisor, Department Supervisor, Laboratory Director, or Quality Assurance Officer.

1.3 This method is restricted to use by or under the supervision of analysts experienced in the operation of the LC/MS/MS and in the interpretation of LC/MS/MS data. Each analyst must demonstrate the ability to generate acceptable results with this method by performing an initial demonstration of capability.

2. Summary of Method

2.1 A 250-mL water sample is fortified with extracted internal standards (EIS) and passed through a solid phase extraction (WAX) cartridge containing a mixed mode, Weak Anion Exchange, reversed phase, water-wettable polymer to extract the method analytes and isotopically-labeled compounds. The compounds are eluted from the solid phase in two fractions with methanol followed by a small amount of 2% ammonium hydroxide in methanol solution. The extract is concentrated with nitrogen in a heated water bath, and then adjusted to a 1-mL volume with 80:20% (vol/vol) methanol:water. A 3 µl injection is made into an LC equipped with a C18 column that is interfaced to an MS/MS. The analytes are separated and identified by comparing the acquired mass spectra and retention times to reference spectra and retention times for calibration standards acquired under identical LC/MS/MS conditions. The concentration of each analyte is determined by using the isotope dilution technique. Extracted Internal Standards (EIS) analytes are used to monitor the extraction efficiency of the method analytes.

2.2 Method Modifications from Reference

None.

Table 1

Parameter	Acronym	CAS
PERFLUOROALKYL ETHER CARBOXYLIC ACIDS (PFECAs)		
Tetrafluoro-2-(heptafluoropropoxy)propanoic acid	HFPO-DA	62037-80-3
4,8-dioxa-3H-perfluorononanoic acid	ADONA	919005-14-4
PERFLUOROALKYLCARBOXILIC ACIDS (PFCAs)		
Perfluorobutanoic acid	PFBA	375-22-4
Perfluoropentanoic acid	PFPeA	2706-90-3
Perfluorohexanoic acid	PFHxA *	307-24-4
Perfluoroheptanoic acid	PFHpA *	375-85-9
Perfluorooctanoic acid	PFOA *	335-67-1
Perfluorononanoic acid	PFNA *	375-95-1
Perfluorodecanoic acid	PFDA *	335-76-2
Perfluoroundecanoic acid	PFUnA *	2058-94-8
Perfluorododecanoic acid	PFDoA *	307-55-1
Perfluorotridecanoic acid	PFTrDA *	72629-94-8
Perfluorotetradecanoic acid	PFTA *	376-06-7
Perfluorohexadecanoic acid	PFHxDA	67905-19-5
Perfluorooctadecanoic acid	PFODA	16517-11-6
PERFLUOROALKYLSULFONATES (PFASs)		
Perfluorobutanesulfonic acid	PFBS *	375-73-5
Perfluoropentanesulfonic acid	PFPeS	2706-91-4
Perfluorohexanesulfonic acid	PFHxS *	355-46-4
Perfluoroheptanesulfonic acid	PFHpS	375-92-8
Perfluorooctanesulfonic acid	PFOS *	1763-23-1
Perfluorononanesulfonic acid	PFNS	68259-12-1
Perfluorodecanesulfonic acid	PFDS	335-77-3
Perfluorododecanesulfonic acid	PFDoS	79780-39-5

*** also reportable via the standard 537 method**

Table 1 Cont.

Parameter	Acronym	CAS
CHLORO-PERFLUOROALKYLSULFONATE		
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	11Cl-PF3OUdS	763051-92-9
9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid	9Cl-PF3ONS	756426-58-1
PERFLUOROOCTANESULFONAMIDES (FOSAs)		
Perfluorooctanesulfonamide	PFOSA	754-91-6
N-methylperfluoro-1-octanesulfonamide	NMeFOSA	31506-32-8
N-ethylperfluoro-1-octanesulfonamide	NEtFOSA	4151-50-2
TELOMER SULFONATES		
1H,1H,2H,2H-perfluorohexane sulfonate (4:2)	4:2FTS	27619-93-8
1H,1H,2H,2H-perfluorooctane sulfonate (6:2)	6:2FTS	27619-97-2
1H,1H,2H,2H-perfluorodecane sulfonate (8:2)	8:2FTS	39108-34-4
1H,1H,2H,2H-perfluorododecane sulfonate (10:2)	10:2FTS	120226-60-0
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS		
N-methyl perfluorooctanesulfonamidoacetic acid	NMeFOSAA *	2355-31-9
N-ethyl perfluorooctanesulfonamidoacetic acid	NEtFOSAA *	2991-50-6
NATIVE PERFLUOROOCTANESULFONAMIDOETHANOLS (FOSEs)		
2-(N-methylperfluoro-1-octanesulfonamido)-ethanol	NMeFOSE	24448-09-7
2-(N-ethylperfluoro-1-octanesulfonamido)-ethanol	NEtFOSE	1691-99-2

*** also reportable via the standard 537 method**

3. Reporting Limits

The reporting limit for PFAS's is 2 ng/L for aqueous samples (20 ng/L for HFPO-DA) and 1 ng/g (10 ng/g for HFPO-DA) for soil samples.

4. Interferences

4.1 PFAS standards, extracts and samples should not come in contact with any glass containers or pipettes as these analytes can potentially adsorb to glass surfaces. PFAS analyte and EIS standards commercially purchased in glass ampoules are acceptable; however, all subsequent transfers or dilutions performed by the analyst must be prepared and stored in polypropylene containers.

4.2 Method interferences may be caused by contaminants in solvents, reagents (including reagent water), sample bottles and caps, and other sample processing hardware that lead to discrete artifacts and/or elevated baselines in the chromatograms. The method analytes in this method can also be found in many common laboratory supplies and equipment, such

as PTFE (polytetrafluoroethylene) products, LC solvent lines, methanol, aluminum foil, SPE sample transfer lines, etc. All items such as these must be routinely demonstrated to be free from interferences (less than 1/3 the RL for each method analyte) under the conditions of the analysis by analyzing laboratory reagent blanks as described in Section 9.2. **Subtracting blank values from sample results is not permitted.**

4.3 Matrix interferences may be caused by contaminants that are co-extracted from the sample. The extent of matrix interferences will vary considerably from source to source, depending upon the nature of the water. Humic and/or fulvic material can be co-extracted during SPE and high levels can cause enhancement and/or suppression in the electrospray ionization source or low recoveries on the SPE sorbent. Total organic carbon (TOC) is a good indicator of humic content of the sample.

4.4 SPE cartridges can be a source of interferences. The analysis of field and laboratory reagent blanks can provide important information regarding the presence or absence of such interferences. Brands and lots of SPE devices should be tested to ensure that contamination does not preclude analyte identification and quantitation.

5. Health and Safety

5.1 The toxicity or carcinogenicity of each reagent and standard used in this method is not fully established; however, each chemical compound should be treated as a potential health hazard. From this viewpoint, exposure to these chemicals must be reduced to the lowest possible level by whatever means available. A reference file of material safety data sheets is available to all personnel involved in the chemical analysis. Additional references to laboratory safety are available in the Chemical Hygiene Plan.

5.2 All personnel handling environmental samples known to contain or to have been in contact with municipal waste must follow safety practices for handling known disease causative agents.

5.3 PFOA has been described as “likely to be carcinogenic to humans.” Pure standard materials and stock standard solutions of these method analytes should be handled with suitable protection to skin and eyes, and care should be taken not to breathe the vapors or ingest the materials.

6. Sample Collection, Preservation, Shipping and Handling

6.1 Sample Collection for Aqueous Samples

6.1.1 Samples must be collected in two (2) 250-mL high density polyethylene (HDPE) container with an unlined plastic screw cap.

6.1.2 The sample handler must wash their hands before sampling and wear nitrile gloves while filling and sealing the sample bottles. PFAS contamination during sampling can occur from a number of common sources, such as food packaging and certain foods and beverages. Proper hand washing and wearing nitrile gloves will aid in minimizing this type of accidental contamination of the samples.

6.1.3 Open the tap and allow the system to flush until the water temperature has stabilized (approximately 3 to 5 min). Collect samples from the flowing system.

6.1.4 Fill sample bottles. Samples do not need to be collected headspace free.

6.1.5 After collecting the sample and cap the bottle. Keep the sample sealed from time of collection until extraction.

6.1.6 Field Reagent Blank (FRB)

6.1.6.1 A FRB must be handled along with each sample set. The sample set is composed of samples collected from the same sample site and at the same time. At the laboratory, fill the field blank sample bottle with reagent water and preservatives, seal, and ship to the sampling site along with the sample bottles. For each FRB shipped, an empty sample bottle (no preservatives) must also be shipped. At the sampling site, the sampler must open the shipped FRB and pour the reagent water into the empty shipped sample bottle, seal and label this bottle as the FRB. The FRB is shipped back to the laboratory along with the samples and analyzed to ensure that PFAS's were not introduced into the sample during sample collection/handling.

The reagent water used for the FRBs must be initially analyzed for method analytes as a MB and must meet the MB criteria in Section 9.2.1 prior to use. This requirement will ensure samples are not being discarded due to contaminated reagent water rather than contamination during sampling.

6.2 Sample Collection for Soil and Sediment samples.

Grab samples are collected in polypropylene containers. Sample containers and contact surfaces containing PTFE shall be avoided.

6.3 Sample Preservation

Not applicable.

6.4 Sample Shipping

Samples must be chilled during shipment and must not exceed 10 °C during the first 48 hours after collection. Sample temperature must be confirmed to be at or below 10 °C when the samples are received at the laboratory. Samples stored in the lab must be held at or below 6 °C until extraction, but should not be frozen.

NOTE: Samples that are significantly above 10° C, at the time of collection, may need to be iced or refrigerated for a period of time, in order to chill them prior to shipping. This will allow them to be shipped with sufficient ice to meet the above requirements.

6.5 Sample Handling

6.5.1 Holding Times

6.5.1.1 Water samples should be extracted as soon as possible but must be extracted within 14 days. Soil samples should be extracted within 28 days. Extracts are stored at < 10 ° C and analyzed within 28 days after extraction.

7. Equipment and Supplies

7.1 SAMPLE CONTAINERS – 250-mL high density polyethylene (HDPE) bottles fitted with unlined screw caps. Sample bottles must be discarded after use.

7.2 POLYPROPYLENE BOTTLES – 4-mL narrow-mouth polypropylene bottles.

7.3 CENTRIFUGE TUBES – 50-mL conical polypropylene tubes with polypropylene screw caps for storing standard solutions and for collection of the extracts.

7.4 AUTOSAMPLER VIALS – Polypropylene 0.7-mL autosampler vials with polypropylene caps.

7.4.1 NOTE: Polypropylene vials and caps are necessary to prevent contamination of the sample from PTFE coated septa. However, polypropylene caps do not reseal, so evaporation occurs after injection. Thus, multiple injections from the same vial are not possible.

7.5 POLYPROPYLENE GRADUATED CYLINDERS – Suggested sizes include 25, 50, 100 and 1000-mL cylinders.

7.6 Auto Pipets – Suggested sizes include 5, 10, 25, 50, 100, 250, 500, 1000, 5000 and 10,000-µls.

7.7 PLASTIC PIPETS – Polypropylene or polyethylene disposable pipets.

7.8 ANALYTICAL BALANCE – Capable of weighing to the nearest 0.0001 g.

7.9 SOLID PHASE EXTRACTION (SPE) APPARATUS FOR USING CARTRIDGES

7.9.1 SPE CARTRIDGES – 0.5 g SPE cartridges containing a reverse phase copolymer characterized by a weak anion exchanger (WAX) sorbent phase.

7.9.2 VACUUM EXTRACTION MANIFOLD – A manual vacuum manifold with large volume sampler for cartridge extractions, or an automatic/robotic sample preparation system designed for use with SPE cartridges, may be used if all QC requirements discussed in Section 9 are met. Extraction and/or elution steps may not be changed or omitted to accommodate the use of an automated system. Care must be taken with automated SPE systems to ensure the PTFE commonly used in these systems does not contribute to unacceptable analyte concentrations in the MB (Sect. 9.2.1).

7.9.3 SAMPLE DELIVERY SYSTEM – Use of a polypropylene transfer tube system, which transfers the sample directly from the sample container to the SPE cartridge, is recommended, but not mandatory. Standard extraction manifolds come equipped with PTFE transfer tube systems. These can be replaced with 1/8” O.D. x 1/16” I.D. polypropylene or polyethylene tubing cut to an appropriate length to ensure no sample contamination from the sample transfer lines. Other types of non-PTFE tubing may be used provided it meets the MB (Sect. 9.2.1) and LCS (Sect. 9.3) QC requirements. The PTFE transfer tubes may be used, but an MB must be run on each PFTE transfer tube and the QC requirements in Section 13.2.2 must be met. In the case of automated SPE, the removal of PTFE lines may not be feasible; therefore, MBs will need to be rotated among the ports and must meet the QC requirements of Sections 13.2.2 and 9.2.1.

7.10 Extract Clean-up Cartridge – 250 mg 6ml SPE Cartridge containing graphitized polymer carbon

7.11 EXTRACT CONCENTRATION SYSTEM – Extracts are concentrated by evaporation with nitrogen using a water bath set no higher than 65 °C.

7.12 LABORATORY OR ASPIRATOR VACUUM SYSTEM – Sufficient capacity to maintain a vacuum of approximately 10 to 15 inches of mercury for extraction cartridges.

7.13 LIQUID CHROMATOGRAPHY (LC)/TANDEM MASS SPECTROMETER (MS/MS) WITH DATA SYSTEM

7.13.1 LC SYSTEM – Instrument capable of reproducibly injecting up to 10-µL aliquots, and performing binary linear gradients at a constant flow rate near the flow rate used for development of this method (0.4 mL/min). The LC must be capable of pumping the water/methanol mobile phase without the use of a degasser which pulls vacuum on the mobile phase bottle (other types of degassers are acceptable). Degassers which pull vacuum on the mobile phase bottle will volatilize the ammonium acetate mobile phase causing the analyte peaks to shift to earlier retention times over the course of the analysis batch. The usage of a column heater is optional.

NOTE: During the course of method development, it was discovered that while idle for more than one day, PFAS's built up in the PTFE solvent transfer lines. To prevent long delays in purging high levels of PFAS's from the LC solvent lines, they were replaced with PEEK tubing and the PTFE solvent frits were replaced with stainless steel frits. It is not possible to remove all PFAS background contamination, but these measures help to minimize their background levels.

7.13.2 LC/TANDEM MASS SPECTROMETER – The LC/MS/MS must be capable of negative ion electrospray ionization (ESI) near the suggested LC flow rate of 0.4 mL/min. The system must be capable of performing MS/MS to produce unique product ions for the method analytes within specified retention time segments. A minimum of 10 scans across the chromatographic peak is required to ensure adequate precision.

7.13.3 DATA SYSTEM – An interfaced data system is required to acquire, store, reduce, and output mass spectral data. The computer software should have the capability of processing stored LC/MS/MS data by recognizing an LC peak within any given retention time window. The software must allow integration of the ion abundance of any specific ion within specified time or scan number limits. The software must be able to calculate relative response factors, construct linear regressions or quadratic calibration curves, and calculate analyte concentrations.

7.13.4 ANALYTICAL COLUMN – An LC BEH C_{18} column (2.1 x 50 mm) packed with 1.7 µm d_p C_{18} solid phase particles was used. Any column that provides adequate resolution, peak shape, capacity, accuracy, and precision (Sect. 9) may be used.

8. Reagents and Standards

8.1 GASES, REAGENTS, AND SOLVENTS – Reagent grade or better chemicals should be used.

8.1.1 REAGENT WATER – Purified water which does not contain any measurable quantities of any method analytes or interfering compounds greater than 1/3 the RL for each method analyte of interest. Prior to daily use, at least 3 L of reagent water should be flushed from the purification system to rinse out any build-up of analytes in the system's tubing.

8.1.2 METHANOL (CH_3OH, CAS#: 67-56-1) – High purity, demonstrated to be free of analytes and interferences.

8.1.3 AMMONIUM ACETATE ($NH_4C_2H_3O_2$, CAS#: 631-61-8) – High purity, demonstrated to be free of analytes and interferences.

8.1.4 ACETIC ACID (H_3CCOOH, CAS#: 64-19-7) - High purity, demonstrated to be free of analytes and interferences.

8.1.5 1M AMMONIUM ACETATE/REAGENT WATER – High purity, demonstrated to be free of analytes and interferences.

8.1.6 2mM AMMONIUM ACETATE/METHANOL:WATER (5:95) – To prepare, mix 2 ml of 1M AMMONIUM ACETATE,1 ml ACETIC ACID and 50 ml METHANOL into I Liter of REAGENT WATER.

8.1.7 Methanol/Water (80:20) – To prepare a 1 Liter bottle, mix 200 ml of REAGENT WATER with 800 ml of METHANOL.

8.1.8 AMMONIUM HYDROXIDE (NH_3, CAS#: 1336-21-6) – High purity, demonstrated to be free of analytes and interferences.

8.1.9 Sodium Acetate ($NaOOCCH_3$, CAS#: 127-09-3) – High purity, demonstrated to be free of analytes and interferences.

8.1.10 25 mM Sodium Acetate Buffer – To prepare 250mls, dissolve .625 grams of sodium acetate into 100 mls of reagent water. Add 4 mls Acetic Acid and adjust the final volume to 250 mls with reagent water.

8.1.11 NITROGEN – Used for the following purposes: Nitrogen aids in aerosol generation of the ESI liquid spray and is used as collision gas in some MS/MS instruments. The nitrogen used should meet or exceed instrument manufacturer's specifications. In addition, Nitrogen is used to concentrate sample extracts (Ultra High Purity or equivalent).

8.1.12 ARGON – Used as collision gas in MS/MS instruments. Argon should meet or exceed instrument manufacturer's specifications. Nitrogen gas may be used as the collision gas provided sufficient sensitivity (product ion formation) is achieved.

8.2 STANDARD SOLUTIONS – When a compound purity is assayed to be 96% or greater, the weight can be used without correction to calculate the concentration of the stock standard. PFAS analyte and IS standards commercially purchased in glass ampoules are acceptable; however, all subsequent transfers or dilutions performed by the analyst must be prepared and stored in polypropylene containers. Standards for sample fortification generally should be prepared in the smallest volume that can be accurately measured to minimize the addition of excess organic solvent to aqueous samples.

NOTE: Stock standards and diluted stock standards are stored at ≤4 °C.

8.2.1 ISOTOPE DILUTION Extracted Internal Standard (ID EIS) STOCK SOLUTIONS - ID EIS stock standard solutions are stable for at least 6 months when stored at 4 °C. The stock solution is purchased at a concentration of 1000 ng/mL.

8.2.2 ISOTOPE DILUTION Extracted Internal Standard PRIMARY DILUTION STANDARD (ID EIS PDS) – Prepare the ID EIS PDS at a concentration of 500 ng/mL. The ID PDS is prepared in 80:20% (vol/vol) methanol:water. The ID PDS is stable for 6 months when stored at ≤4 °C.

Table 2

Isotope Labeled Standard	Conc. of EIS Stock (ng/mL)	Vol. of EIS Stock (mL)	Final Vol. of EIS PDS (mL)	Final Conc. of EIS PDS (ng/mL)
M4PFBA	1000	1.0	2.0	500
M5PFPeA	1000	1.0	2.0	500
M5PFHxA	1000	1.0	2.0	500
M4PFHpA	1000	1.0	2.0	500
M8PFOA	1000	1.0	2.0	500
M9PFNA	1000	1.0	2.0	500
M6PFDA	1000	1.0	2.0	500
M7PFUdA	1000	1.0	2.0	500
MPFDoA	1000	1.0	2.0	500
M2PFTeDA	1000	1.0	2.0	500
M2PFHxDA	50,000	.02	2.0	500
d3-N-MeFOSA	50,000	.02	2.0	500
d5-N-EtFOSA	50,000	.02	2.0	500
d7-N-MeFOSE	50,000	.02	2.0	500
d9-N-EtFOSE	50,000	.02	2.0	500
M8FOSA	1000	1.0	2.0	500
d3-N-MeFOSAA	1000	1.0	2.0	500
d5-N-EtFOSAA	1000	1.0	2.0	500
M3PFBS	929	1.0	2.0	464.5
M3PFHxS	946	1.0	2.0	473
M8PFOS	957	1.0	2.0	478.5
M2-4:2FTS	935	1.0	2.0	467.5
M2-6:2FTS	949	1.0	2.0	474.5
M2-8:2FTS	958	1.0	2.0	479
M3HFPO-DA	50,000	.4	2.0	10,000

8.2.3 ANALYTE STOCK STANDARD SOLUTION – Analyte stock standards are stable for at least 6 months when stored at 4 °C. When using these stock standards to prepare a PDS, care must be taken to ensure that these standards are at room temperature and adequately vortexed.

8.2.4 Analyte Secondary Spiking Standard Prepare the spiking solution of additional add on components for project specific requirements only. ANALYTE PRIMARY SPIKING STANDARD – Prepare the spiking standard at a concentration of 500 ng/mL in methanol. The spiking standard is stable for at least two months when stored in polypropylene centrifuge tubes at room temperature.

Table 3

Analyte	Conc. of IS Stock (ng/mL)	Vol. of IS Stock (mL)	Final Vol. of IS PDS (mL)	Final Conc. of IS PDS (ng/mL)
PFBA	2000	1	4	500
PFPeA	2000	1	4	500
PFHxA	2000	1	4	500
PFHpA	2000	1	4	500
PFOA	2000	1	4	500
PFNA	2000	1	4	500
PFDA	2000	1	4	500
PFUdA	2000	1	4	500
PFDoA	2000	1	4	500
PFTrDA	2000	1	4	500
PFTeDA	2000	1	4	500
FOSA	2000	1	4	500
N-MeFOSAA	2000	1	4	500
N-EtFOSAA	2000	1	4	500
L-PFBS	1770	1	4	442.5
L-PFPeS	1880	1	4	470
L-PFHxSK	1480	1	4	370
Br-PFHxSK	344	1	4	86
L-PFHpS	1900	1	4	475
L-PFOSK	1460	1	4	365
Br-PFOSK	391	1	4	97.75
L-PFNS	1920	1	4	480
L-PFDS	1930	1	4	482.5
4:2FTS	1870	1	4	467.5
6:2FTS	1900	1	4	475
8:2FTS	1920	1	4	480

8.2.5 Analyte Secondary Spiking Standard Prepare the spiking solution of additional add on components for project specific requirements only.

Table 4

Analyte	Conc. of IS Stock (ng/mL)	Vol. of IS Stock (mL)	Final Vol. of IS PDS (mL)	Final Conc. of IS PDS (ng/mL)
ADONA	2000	1	4	500
PFHxDA	2000	1	4	500
PFODA	2000	1	4	500
HFPO-DA	100,000	.4	4	10,000
9ClPF3ONS	50,000	0.04	4	500
11ClPF3OUdS	50,000	0.04	4	500

8.2.6 LOW, MEDIUM AND HIGH LEVEL LCS – The LCS's will be prepared at the following concentrations and rotated per batch; 2 ng/L, 40 ng/L, 500 ng/l for drinking waters. The analyte PDS contains all the method analytes of interest at various concentrations in methanol. The analyte PDS has been shown to be stable for six months when stored at ≤4 °C.

8.2.7 Isotope Dilution Labeled Recovery Stock Solutions (ID REC) – ID REC Stock solutions are stable for at least 6 months when stored at 4 °C. The stock solution is purchased at a concentration of 1000 ng/mL.

8.2.8 Isotope Dilution Labeled Recovery Primary Dilution Standard (ID REC PDS) - Prepare the ID REC PDS at a concentration of 500 ng/mL. The ID REC PDS is prepared in 80:20% (vol/vol) methanol:water. The ID REC PDS is stable for at least six months when stored in polypropylene centrifuge tubes at ≤4 °C.

Table 5

Analyte	Conc. of REC Stock (ng/mL)	Vol. of REC Stock (mL)	Final Vol. of REC PDS (mL)	Final Conc. of REC PDS (ng/mL)
M2PFOA	2000	1	4	500
M2PFDA	2000	1	4	500
M3PFBA	2000	1	4	500
M4PFOS	2000	1	4	500

8.2.9 CALIBRATION STANDARDS (CAL) –

Current Concentrations (ng/mL): 0.5, 1.0, 5.0, 10.0, 50.0, 125, 150, 250, 500

Prepare the CAL standards over the concentration range of interest from dilutions of the analyte PDS in methanol containing 20% reagent water. 20 µl of the EIS PDS and REC PDS are added to the CAL standards to give a constant concentration of 10 ng/ml. The lowest concentration CAL standard must be at or below the RL (2 ng/L), which may depend on system sensitivity. The CAL standards may also be used as CCVs (Sect. 9.8). To make calibration stock standards:

Table 6

Calibration Standard Concentration	Final Aqueous Cal STD Level Concentration	Final Soil Cal STD Level Concentration	24 compound stock added (ul)	PFHxDA Stock added (ul)	500 ng/ml PFHxDA dilution added (ul)	PFODA Stock added (ul)	500 ng/ml PFODA dilution added (ul)	ADONA, HFPO-DA, 11Cl-PF3OUdS, 9Cl-PF3ONS Stock added (ul)	500 ng/ml ADONA dilution added (ul)	Final Volume in MeOH/H_2O (82:20)
.5 ng/ml	2 ng/L	.25 ng/g	6.25		25		25		25	25 mls
1 ng/ml	4 ng/L	.5 ng/g	5		20		20		20	10 mls
5 ng/ml	20 ng/L	1 ng/g	25		100		100		100	10 mls
10 ng/ml	40 ng/L	5 ng/g	125	5		5		5		25 mls

50 ng/ml	200 ng/L	25 ng/g	250	10		10		10		10 mls
125 ng/ml	500 ng/L	62.5 ng/g	625	25		25		25		10 mls
150 ng/ml	600 ng/L	75 ng/g	750	30		30		30		10 mls
250 ng/ml	1000 ng/L	125 ng/g	625							5 mls
500 ng/ml	2000 ng/L	250 ng/g	1250							5 mls

9. Quality Control

The laboratory must maintain records to document the quality of data that is generated. Ongoing data quality checks are compared with established performance criteria to determine if the results of analyses meet the performance characteristics of the method.

9.1 MINIMUM REPORTING LIMIT (MRL) CONFIRMATION

9.1.1 Fortify, extract, and analyze seven replicate LCSs at 2 ng/l. Calculate the mean measured concentration (*Mean*) and standard deviation for these replicates. Determine the Half Range for the prediction interval of results (HR_{PIR}) using the equation below

$$HR_{PIR} = 3.963s$$

Where:

s = the standard deviation
3.963 = a constant value for seven replicates.

9.1.2 Confirm that the upper and lower limits for the Prediction Interval of Result ($PIR = Mean \pm HR_{PIR}$) meet the upper and lower recovery limits as shown below

The Upper PIR Limit must be ≤150% recovery.

$$\frac{Mean + HR_{PIR}}{Fortified\ Concentration} \times 100\% \leq 150\%$$

The Lower PIR Limit must be ≥ 50% recovery.

$$\frac{Mean - HR_{PIR}}{Fortified\ Concentration} \times 100\% \geq 50\%$$

9.1.3 The RL is validated if both the Upper and Lower PIR Limits meet the criteria described above. If these criteria are not met, the RL has been set too low and must be determined again at a higher concentration.

9.2 Blank(s)

9.2.1 **METHOD BLANK (MB) -** A Method Blank (MB) is required with each extraction batch to confirm that potential background contaminants are not interfering with the identification or quantitation of method analytes. Prep and analyze a MB for every 20 samples. If the MB produces a peak within the retention time window of any analyte that would prevent the determination of that analyte, determine the source of contamination and eliminate the interference before processing samples. Background contamination must be reduced to an acceptable level before proceeding. Background from method analytes or other contaminants that

interfere with the measurement of method analytes must be below the RL. If the method analytes are detected in the MB at concentrations equal to or greater than this level, then all data for the problem analyte(s) must be considered invalid for all samples in the extraction batch. Because background contamination is a significant problem for several method analytes, it is highly recommended that the analyst maintain a historical record of MB data.

9.2.2 **FIELD REAGENT BLANK (FRB)** - The purpose of the FRB is to ensure that PFAS's measured in the Field Samples were not inadvertently introduced into the sample during sample collection/handling. Analysis of the FRB is required only if a Field Sample contains a method analyte or analytes at or above the RL. The FRB is processed, extracted and analyzed in exactly the same manner as a Field Sample.

9.3 Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicates (LCSD)

9.3.1 An LCS is required with each extraction batch. The fortified concentration of the LCS may be rotated between low, medium, and high concentrations from batch to batch. Default limits of 50-150% of the true value may be used for analytes until sufficient replicates have been analyzed to generate proper control limits. Calculate the percent recovery (%*R*) for each analyte using the equation

$$\%R = \frac{A \times 100}{B}$$

Where:

A = measured concentration in the fortified sample
B =fortification concentration.

9.3.2 Where applicable, LCSD's are to be extracted and analyzed. The concentration and analyte recovery criteria for the LCSD must be the same as the batch LCS The RSD's must fall within ≤30% of the true value for medium and high level replicates, and ≤50% for low level replicates. Calculate the relative percent difference (RPD) for duplicate MSs (MS and MSD) using the equation

$$RPD = \frac{|LCS - LCSD|}{(LCS + LCSD) / 2} \times 100$$

9.3.3 **If the LCS and or LCSD results do not meet these criteria for method analytes, then all data for the problem analyte(s) must be considered invalid for all samples in the extraction batch.**

9.4 Labeled Recovery Standards (REC)

The analyst must monitor the peak areas of the REC(s) in all injections during each analysis day.

9.5 Extracted Internal Standards (EIS)

9.5.1 The EIS standard is fortified into all samples, CCVs, MBs, LCSs, MSs, MSDs, FD, and FRB prior to extraction. It is also added to the CAL standards. The EIS is a means of assessing method performance from extraction to final

chromatographic measurement. Calculate the recovery (%R) for the EIS using the following equation

$$\%R = (A / B) \times 100$$

Where:

A = calculated EIS concentration for the QC or Field Sample
B = fortified concentration of the EIS.

9.5.2 Default limits of 50-150% may be used for analytes until sufficient replicates have been analyzed to generate proper control limits. A low or high percent recovery for a sample, blank, or CCV does not require discarding the analytical data but it may indicate a potential problem with future analytical data. When EIS recovery from a sample, blank, or CCV are outside control limits, check 1) calculations to locate possible errors, 2) standard solutions for degradation, 3) contamination, and 4) instrument performance. For CCVs and QC elements spiked with all target analytes, if the recovery of the corresponding target analytes meet the acceptance criteria for the EIS in question, the data can be used but all potential biases in the recovery of the EIS must be documented in the sample report. If the associated target analytes do not meet the acceptance criteria,the data must be reanalyzed.

9.6 Matrix Spike (MS)

9.6.1 Analysis of an MS is required in each extraction batch and is used to determine that the sample matrix does not adversely affect method accuracy. Assessment of method precision is accomplished by analysis of a Field Duplicate (FD) (Sect. 9.6); however, infrequent occurrence of method analytes would hinder this assessment. If the occurrence of method analytes in the samples is infrequent, or if historical trends are unavailable, a second MS, or MSD, must be prepared, extracted, and analyzed from a duplicate of the Field Sample. Extraction batches that contain MSDs will not require the extraction of a field sample duplicate. If a variety of different sample matrices are analyzed regularly, for example, drinking water from groundwater and surface water sources, method performance should be established for each. Over time, MS data should be documented by the laboratory for all routine sample sources.

9.6.2 Within each extraction batch, a minimum of one Field Sample is fortified as an MS for every 20 Field Samples analyzed. The MS is prepared by spiking a sample with an appropriate amount of the Analyte Stock Standard (Sect. 8.2.3). Use historical data and rotate through the low, mid and high concentrations when selecting a fortifying concentration. Calculate the percent recovery (%*R*) for each analyte using the equation

$$\%R = \frac{(A - B)}{C} \times 100$$

Where:

A = measured concentration in the fortified sample
B = measured concentration in the unfortified sample
C = fortification concentration.

9.6.3 Analyte recoveries may exhibit matrix bias. For samples fortified at or above their native concentration, recoveries should range between 50-150%. If the accuracy of any analyte falls outside the designated range, and the laboratory performance for that analyte is shown to be in control in the LCS, the recovery is judged to be

matrix biased. The result for that analyte in the unfortified sample is labeled suspect/matrix to inform the data user that the results are suspect due to matrix effects.

9.7 Laboratory Duplicate

9.7.1 FIELD DUPLICATE OR LABORATORY FORTIFIED SAMPLE MATRIX DUPLICATE (FD or MSD) – Within each extraction batch (not to exceed 20 Field Samples), a minimum of one FD or MSD must be analyzed. Duplicates check the precision associated with sample collection, preservation, storage, and laboratory procedures. If method analytes are not routinely observed in Field Samples, an MSD should be analyzed rather than an FD.

9.7.2 Calculate the relative percent difference (*RPD*) for duplicate measurements (*FD1* and *FD2*) using the equation

$$RPD = \frac{|FD1 - FD2|}{(FD1 + FD2) / 2} \times 100$$

9.7.3 RPDs for FDs should be ≤30%. Greater variability may be observed when FDs have analyte concentrations that are within a factor of 2 of the RL. At these concentrations, FDs should have RPDs that are ≤50%. If the RPD of any analyte falls outside the designated range, and the laboratory performance for that analyte is shown to be in control in the CCV, the recovery is judged to be matrix biased. The result for that analyte in the unfortified sample is labeled suspect/matrix to inform the data user that the results are suspect due to matrix effects.

9.7.4 If an MSD is analyzed instead of a FD, calculate the relative percent difference (RPD) for duplicate MSs (MS and MSD) using the equation

$$RPD = \frac{|MS - MSD|}{(MS + MSD) / 2} \times 100$$

9.7.5 RPDs for duplicate MSs should be ≤30% for samples fortified at or above their native concentration. Greater variability may be observed when MSs are fortified at analyte concentrations that are within a factor of 2 of the RL. MSs fortified at these concentrations should have RPDs that are ≤50% for samples fortified at or above their native concentration. If the RPD of any analyte falls outside the designated range, and the laboratory performance for that analyte is shown to be in control in the LCSD where applicable, the result is judged to be matrix biased. If no LCSD is present, the associated MS and MSD are to be re-analyzed to determine if any analytical has occurred. If the resulting RPDs are still outside control limits, the result for that analyte in the unfortified sample is labeled suspect/matrix to inform the data user that the results are suspect due to matrix effects.

9.8 Initial Calibration Verification (ICV)

9.8.1 As part of the IDC (Sect. 13.2), and after each ICAL, analyze a QCS sample from a source different from the source of the CAL standards. If a second vendor is not available, then a different lot of the standard should be used. The QCS should be prepared and analyzed just like a CCV. Acceptance criteria for the QCS are identical to the CCVs; the calculated amount for each analyte must be ±

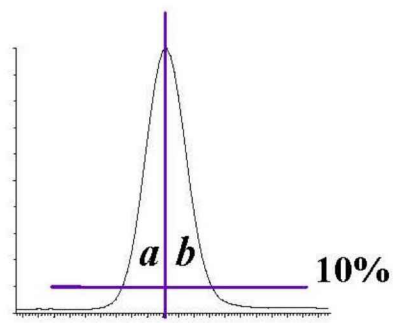
30% of the expected value. If measured analyte concentrations are not of acceptable accuracy, check the entire analytical procedureto locate and correct the problem.

9.9 Continuing Calibration Verification (CCV)

9.9.1 CCV Standards are analyzed at the beginning of each analysis batch, after every 10 Field Samples, and at the end of the analysis batch. See Section 10.7 for concentration requirements and acceptance criteria.

9.10 Method-specific Quality Control Samples

9.10.1 PEAK ASYMMETRY FACTOR – A peak asymmetry factor must be calculated using the equation below during the IDL and every time a calibration curve is generated. The peak asymmetry factor for the first two eluting peaks in a midlevel CAL standard (if only two analytes are being analyzed, both must be evaluated) must fall in the range of 0.8 to 1.5. Modifying the standard or extract composition to more aqueous content to prevent poor shape is not permitted. See guidance in Section 10.6.4.1 if the calculated peak asymmetry factors do not meet the criteria.



$$A_s = b / a$$

Where:

A_s = peak asymmetry factor
b = width of the back half of the peak measured (at 10% peak height) from the trailing edge of the peak to a line dropped perpendicularly from the peak apex
a = the width of the front half of the peak measured (at 10% peak height) from the leading edge of the peak to a line dropped perpendicularly from the apex.

9.11 Method Sequence

- CCV-LOW
- MB
- LCS
- LCSD
- MS
- Duplicate or MSD
- Field Samples (1-10)
- CCV-MID
- Field Samples (11-20)
- CCV-LOW

10. Procedure

10.1 Equipment Set-up

10.1.1 This procedure may be performed manually or in an automated mode using a robotic or automatic sample preparation device. If an automated system is used to prepare samples, follow the manufacturer's operating instructions, but all extraction and elution steps must be the same as in the manual procedure. Extraction and/or elution steps may not be changed or omitted to accommodate the use of an automated system. If an automated system is used, the MBs should be rotated among the ports to ensure that all the valves and tubing meet the MB requirements (Sect. 9.2).

10.1.2 Some of the PFAS's adsorb to surfaces, including polypropylene. Therefore, the aqueous sample bottles must be rinsed with the elution solvent (Sect 10.3.4) whether extractions are performed manually or by automation. The bottle rinse is passed through the cartridge to elute the method analytes and is then collected (Sect. 10.3.4).

10.1.3 **NOTE:** The SPE cartridges and sample bottles described in this section are designed as single use items and should be discarded after use. They may not be refurbished for reuse in subsequent analyses.

10.2 Sample Preparation and Extraction of Aqueous Samples

10.2.1 Samples are preserved, collected and stored as presented in Section 6.

The entire sample that is received must be sent through the SPE cartridge. In addition, the bottle must be solvent rinsed and this rinse must be sent through the SPE cartridge as well. The method blank (MB) and laboratory control sample (LCS) must be extracted in exactly the same manner (i.e., must include the bottle solvent rinse). It should be noted that a water rinse alone is not sufficient. This does not apply to samples with high concentrations of PFAS that are prepared using serial dilution and not SPE.

10.2.2 Determine sample volume. Weigh all samples to the nearest 1g. If visible sediment is present, centrifuge and decant into a new 250mL HDPE bottle and record the weight of the new container.

NOTE: Some of the PFAS's adsorb to surfaces, thus the sample volume may **NOT** be transferred to a graduated cylinder for volume measurement.

10.2.3 The MB, LCS and FRB may be prepared by measuring 250 mL of reagent water with a polypropylene graduated cylinder or filling a 250-mL sample bottle to near the top.

10.2.4 Adjust the QC and sample pH to 3 by adding acetic acid in water dropwise

10.2.5 Add 20 µL of the EIS PDS (Sect. 8.2.2) to each sample and QC, cap and invert to mix.

10.2.6 If the sample is an LCS, LCSD, MS, or MSD, add the necessary amount of analyte PDS (Sect. 8.2.3). Cap and invert each sample to mix.

10.3 Cartridge SPE Procedure

10.3.1 CARTRIDGE CLEAN-UP AND CONDITIONING – DO NOT allow cartridge packing material to go dry during any of the conditioning steps. Rinse each cartridge with 3 X 5 mL of 2% ammonium hydroxide in methanol, followed by 5mls of methanol. Next, rinse each cartridge with 5 mls of the 25 mM acetate buffer, followed by 15 mL of reagent water, without allowing the water to drop below the top edge of the packing. If the cartridge goes dry during the conditioning phase, the conditioning must be started over. Add 4-5 mL of reagent water to each cartridge, attach the sample transfer tubes (Sect. 7.9.3), turn on the vacuum, and begin adding sample to the cartridge.

10.3.2 SAMPLE EXTRACTON – Adjust the vacuum so that the approximate flow rate is approximately 4 mL/min. Do not allow the cartridge to go dry before all the sample has passed through.

10.3.3 SAMPLE BOTTLE AND CARTRIDGE RINSE – After the entire sample has passed through the cartridge, rinse the sample bottles with 4 ml reagent water followed by 4 ml 25 mM acetate buffer at pH 4 and draw the aliquot through the sample transfer tubes and the cartridges. Draw air or nitrogen through the cartridge for 5-10 min at high vacuum (10-15 in. Hg). **NOTE: If empty plastic reservoirs are used in place of the sample transfer tubes to pass the samples through the cartridges, these reservoirs must be treated like the transfer tubes. After the entire sample has passed through the cartridge, the reservoirs must be rinsed to waste with reagent water.**

10.3.4 SAMPLE BOTTLE AND CARTRIDGE ELUTION, Fraction 1 – Turn off and release the vacuum. Lift the extraction manifold top and insert a rack with collection tubes into the extraction tank to collect the extracts as they are eluted from the cartridges. Rinse the sample bottles with 12 mls of methanol and draw the aliquot through the sample transfer tubes and cartridges. Use a low vacuum such that the solvent exits the cartridge in a dropwise fashion.

SAMPLE BOTTLE AND CARTRIDGE ELUTION, Fraction 2 In a separate collection vial, rinse the sample bottles with 12 mL of 2% ammonium hydroxide in methanol and elute the analytes from the cartridges by pulling the 4 mL of methanol through the sample transfer tubes and the cartridges. Use a low vacuum such that the solvent exits the cartridge in a dropwise fashion. To the final extract, add 50 ul of acetic acid.

NOTE: If empty plastic reservoirs are used in place of the sample transfer tubes to pass the samples through the cartridges, these reservoirs must be treated like the transfer tubes. After the reservoirs have been rinsed in Section 10.3.3, the elution solvent used to rinse the sample bottles must be swirled down the sides of the reservoirs while eluting the cartridge to ensure that any method analytes on the surface of the reservoirs are transferred to the extract.

CLEAN-UP CARTRIDGE ELUTION, Elute the clean-up cartridge with 8 additional mls of methanol and draw the aliquot through the cartridge. Use a low vacuum such that the solvent exits the cartridge in a dropwise fashion.

10.3.5 Fractions 1 and 2 are to be combined during the concentration stage (section10.6)

10.4 Sample Prep and Extraction Protocol for Soils

10.4.1 Homogenize and weigh 2 grams of sample (measured to the nearest hundredth of a gram) intoa 50 ml polypropylene centrifuge tube. For laboratory control blanks and spikes, 2 grams of clean sand is used.

10.4.2 Add 20 µL of the EIS PDS (Sect. 8.2.2) to each sample and QC.

10.4.3 If the sample is an LCS, LCSD, MS, or MSD, add the necessary amount of analyte PDS (Sect. 8.2.3). Cap and invert each sample to mix.

10.4.4 To all samples, add 10 mls of methanol, cap, vortex for 25 seconds at 3000RPM and mix for 30 minutes using a shaker table of tumbler at 120RPM.

10.4.5 Following mixing, sonicate each sample for 30 minutes and let samples sit overnight (at least 2 hours is required for RUSH samples).

10.4.6 Centrifuge each sample at 3500RPM for 10 minutes.

10.4.7 Remove supernatant, and reserve for clean-up.

10.5 Extract Clean-up

10.5.1 CARTRIDGE CLEAN-UP AND CONDITIONING –. Rinse each cartridge with 15 mL of methanol and discard. If the cartridge goes dry during the conditioning phase, the conditioning must be started over. Attach the sample transfer tubes (Sect. 7.9.3), turn on the vacuum, and begin adding sample to the cartridge.

10.5.2 Adjust the vacuum so that the approximate flow rate is 1-2 mL/min. Do not allow the cartridge to go dry before all the sample has passed through.

10.5.3 SAMPLE BOTTLE AND CARTRIDGE RINSE – After the entire sample has passed through the cartridge, rinse the sample collection vial with two 1-mL aliquots of methanol and draw each aliquot through the cartridges. Draw air or nitrogen through the cartridge for 5 min at high vacuum (10-15 in. Hg).

10.5.4 If extracts are not to be immediately evaporated, cover collection tubes and store at ambient temperature till concentration.

10.6 Extract Concentration

10.6.1 Concentrate the extract to dryness under a gentle stream of nitrogen in a heated water bath (60-65 °C) to remove all the water/methanol mix. Add the appropriate amount of 80:20% (vol/vol) methanol:water solution and 20 µl of the ID REC PDS (Sect. 8.2.7) to the collection vial to bring the volume to 1 mL and vortex. Transfer two aliquots with a plastic pipet (Sect. 7.6) into 2 polypropylene autosampler vials.

NOTE: It is recommended that the entire 1-mL aliquot not be transferred to the autosampler vial because the polypropylene autosampler caps do not reseal after injection. Therefore, do not store the extracts in the autosampler vials as evaporation losses can occur occasionally in these autosampler vials. Extracts can be split between 2 X 700 µl vials (Sect. 7.4).

10.7 Sample Volume Determination

10.7.1 If the level of the sample was marked on the sample bottle, use a graduated cylinder to measure the volume of water required to fill the original sample bottle to the mark made prior to extraction. Determine to the nearest 10 mL.

10.7.2 If using weight to determine volume, weigh the empty bottle to the nearest 10 g and determine the sample weight by subtraction of the empty bottle weight from the original sample weight (Sect. 10.2.2). Assume a sample density of 1.0 g/mL. In either case, the sample volume will be used in the final calculations of the analyte concentration (Sect. 11.2).

10.8 Initial Calibration - Demonstration and documentation of acceptable initial calibration is required before any samples are analyzed. After the initial calibration is successful, a CCV is required at the beginning and end of each period in which analyses are performed, and after every tenth Field Sample.

10.8.1 ESI-MS/MS TUNE

10.8.1.1 Calibrate the mass scale of the MS with the calibration compounds and procedures prescribed by the manufacturer.

10.8.1.2 Optimize the [M-H]- for each method analyte by infusing approximately 0.5-1.0 µg/mL of each analyte (prepared in the initial mobile phase conditions) directly into the MS at the chosen LC mobile phase flow rate (approximately 0.4 mL/min). This tune can be done on a mix of the method analytes. The MS parameters (voltages, temperatures, gas flows, etc.) are varied until optimal analyte responses are determined. The method analytes may have different optima requiring some compromise between the optima.

10.8.1.3 Optimize the product ion for each analyte by infusing approximately 0.5-1.0 µg/mL of each analyte (prepared in the initial mobile phase conditions) directly into the MS at the chosen LC mobile phase flow rate (approximately 0.4 mL/min). This tune can be done on a mix of the method analytes. The MS/MS parameters (collision gas pressure, collision energy, etc.) are varied until optimal analyte responses are determined. Typically, the carboxylic acids have very similar MS/MS conditions and the sulfonic acids have similar MS/MS conditions.

10.8.2 Establish LC operating parameters that optimize resolution and peak shape. Modifying the standard or extract composition to more aqueous content to prevent poor shape is not permitted.

Cautions: LC system components, as well as the mobile phase constituents, contain many of the method analytes in this method. Thus, these PFAS's will build up on the head of the LC column during mobile phase equilibration. To minimize the background PFAS peaks and to keep background levels constant, the time the LC column sits at initial conditions must be kept constant and as short as possible (while ensuring reproducible retention times). In addition, prior to daily use, flush the column with 100% methanol for at least 20 min before initiating a sequence. It may be necessary on some systems to flush other LC components such as wash syringes, sample needles or any other system components before daily use.

10.8.3 Inject a mid-level CAL standard under LC/MS conditions to obtain the retention times of each method analyte. If analyzing for PFTA, ensure that the LC

conditions are adequate to prevent co-elution of PFTA and the mobile phase interferants. These interferants have the same precursor and products ions as PFTA, and under faster LC conditions may co-elute with PFTA. Divide the chromatogram into retention time windows each of which contains one or more chromatographic peaks. During MS/MS analysis, fragment a small number of selected precursor ions ([M-H]-) for the analytes in each window and choose the most abundant product ion. For maximum sensitivity, small mass windows of ±0.5 daltons around the product ion mass were used for quantitation.

10.8.4 Inject a mid-level CAL standard under optimized LC/MS/MS conditions to ensure that each method analyte is observed in its MS/MS window and that there are at least 10 scans across the peak for optimum precision.

10.8.4.1 If broad, split or fronting peaks are observed for the first two eluting chromatographic peaks (if only two analytes are being analyzed, both must be evaluated), change the initial mobile phase conditions to higher aqueous content until the peak asymmetry ratio for each peak is 0.8 – 1.5. The peak asymmetry factor is calculated as described in Section 9.9.1 on a mid-level CAL standard. The peak asymmetry factor must meet the above criteria for the first two eluting peaks during the IDL and every time a new calibration curve is generated. Modifying the standard or extract composition to more aqueous content to prevent poor shape is not permitted.

NOTE: PFHxS, PFOS, NMeFOSAA, and NEtFOSAA have multiple chromatographic peaks using the LC conditions in Table 5 due to chromatographic resolution of the linear and branched isomers of these compounds. Most PFAS's are produced by two different processes. One process gives rise to linear PFAS's only while the other process produces both linear and branched isomers. Thus, both branched and linear PFAS's can potentially be found in the environment. For the aforementioned compounds that give rise to more than one peak, all the chromatographic peaks observed in the standard must be integrated and the areas totaled. Chromatographic peaks in a sample must be integrated in the same way as the CAL standard.

10.8.5 Prepare a set of CAL standards as described in Section 8.2.5. The lowest concentration CAL standard must be at or below the RL (2 ng/L), which may depend on system sensitivity.

10.8.6 The LC/MS/MS system is calibrated using the IS technique. Use the LC/MS/MS data system software to generate a linear regression or quadratic calibration curve for each of the analytes. This curve **must always** be forced through zero and may be concentration weighted, if necessary. Forcing zero allows for a better estimate of the background levels of method analytes. A minimum of 5 levels are required for a linear calibration model and a minimum of 6 levels are required for a quadratic calibration model.

10.8.7 **CALIBRATION ACCEPTANCE CRITERIA** – A linear fit is acceptable if the coefficient of determination (r^2) is greater than 0.99. When quantitated using the initial calibration curve, each calibration point, except the lowest point, for each analyte should calculate to be within 70-130% of its true value. The lowest CAL point should calculate to be within 50-150% of its true value. If these criteria cannot be met, the analyst will have difficulty meeting ongoing QC criteria. It is

recommended that corrective action is taken to reanalyze the CAL standards, restrict the range of calibration, or select an alternate method of calibration (forcing the curve through zero is still required).

10.8.7.1 **CAUTION:** When acquiring MS/MS data, LC operating conditions must be carefully reproduced for each analysis to provide reproducible retention times. If this is not done, the correct ions will not be monitored at the appropriate times. As a precautionary measure, the chromatographic peaks in each window must not elute too close to the edge of the segment time window.

10.9 CONTINUING CALIBRATION CHECK (CCV) – Minimum daily calibration verification is as follows. Verify the initial calibration at the beginning and end of each group of analyses, and after every tenth sample during analyses. In this context, a "sample" is considered to be a Field Sample. MBs, CCVs, LCSs, MSs, FDs FRBs and MSDs are not counted as samples. The beginning CCV of each analysis batch must be at or below the RL in order to verify instrument sensitivity prior to any analyses. If standards have been prepared such that all low CAL points are not in the same CAL solution, it may be necessary to analyze two CAL standards to meet this requirement. Alternatively, the analyte concentrations in the analyte PDS may be customized to meet these criteria. Subsequent CCVs should alternate between a medium and Low concentration CAL standard.

10.9.1 Inject an aliquot of the appropriate concentration CAL standard and analyze with the same conditions used during the initial calibration.

10.9.2 Calculate the concentration of each analyte and EIS in the CCV. The calculated amount for each analyte for medium level CCVs must be within ± 30% of the true value with an allowance of 10% of the reported analytes to be greater than 30%, but less than 40%. The calculated amount for each EIS must be within ± 50% of the true value. The calculated amount for the lowest calibration point for each analyte must be within ± 50%. If these conditions do not exist, then all data for the problem analyte must be considered invalid, and remedial action should be taken (Sect. 10.7.4) which may require recalibration. Any Field or QC Samples that have been analyzed since the last acceptable calibration verification should be reanalyzed after adequate calibration has been restored, with the following exception. **If the CCV fails because the calculated concentration is greater than 130% (150% for the low-level CCV) for a particular method analyte, and Field Sample extracts show no detection for that method analyte, non-detects may be reported without re-analysis.**

10.9.3 REMEDIAL ACTION – Failure to meet CCV QC performance criteria may require remedial action. Major maintenance, such as cleaning the electrospray probe, atmospheric pressure ionization source, cleaning the mass analyzer, replacing the LC column, etc., requires recalibration (Sect 10.6) and verification of sensitivity by analyzing a CCV at or below the RL (Sect 10.7).

10.10 EXTRACT ANALYSIS

10.10.1 Establish operating conditions equivalent to those summarized in Tables 6-8 of Section 16. Instrument conditions and columns should be optimized prior to the initiation of the IDC.

10.10.2 Establish an appropriate retention time window for each analyte. This should be based on measurements of actual retention time variation for each method analyte in CAL standard solutions analyzed on the LC over the course of time. A value of plus or minus three times the standard deviation of the retention time obtained for each method analyte while establishing the initial calibration and completing the IDC can be used to calculate a suggested window size. However, the experience of the analyst should weigh heavily on the determination of the appropriate retention window size.

10.10.3 Calibrate the system by either the analysis of a calibration curve (Sect. 10.6) or by confirming the initial calibration is still valid by analyzing a CCV as described in Section 10.7. If establishing an initial calibration, complete the IDC as described in Section 13.2.

10.10.4 Begin analyzing Field Samples, including QC samples, at their appropriate frequency by injecting the same size aliquots under the same conditions used to analyze the CAL standards.

10.10.5 At the conclusion of data acquisition, use the same software that was used in the calibration procedure to identify peaks of interest in predetermined retention time windows. Use the data system software to examine the ion abundances of the peaks in the chromatogram. Identify an analyte by comparison of its retention time with that of the corresponding method analyte peak in a reference standard.

10.10.6 The analyst must not extrapolate beyond the established calibration range. If an analyte peak area exceeds the range of the initial calibration curve, the sample should be re-extracted with a reduced sample volume in order to bring the out of range target analytes into the calibration range. If a smaller sample size would not be representative of the entire sample, the following options are recommended. Re-extract an additional aliquot of sufficient size to insure that it is representative of the entire sample. Spike it with a higher concentration of internal standard. Prior to LC/MS analysis, dilute the sample so that it has a concentration of internal standard equivalent to that present in the calibration standard. Then, analyze the diluted extract.

11. Data Evaluation, Calculations and Reporting

11.1 Complete chromatographic resolution is not necessary for accurate and precise measurements of analyte concentrations using MS/MS. In validating this method, concentrations were calculated by measuring the product ions listed in Table 7.

11.2 Calculate analyte concentrations using the multipoint calibration established in Section 10.6. Do not use daily calibration verification data to quantitate analytes in samples. Adjust final analyte concentrations to reflect the actual sample volume determined in Section 10.6 where:

C_{ex} = (Area of target analyte * Concentration of Labeled analog) / (area of labeled analog * CF)

C_s = (C_{ex} / sample volume in ml) * 1000

C_{ex} = The concentration of the analyte in the extract
CF = calibration factor from calibration.

11.3 Prior to reporting the data, the chromatogram should be reviewed for any incorrect peak identification or poor integration.

11.4 PFHxS, PFOS, PFOA, NMeFOSAA, and NEtFOSAA have multiple chromatographic peaks using the LC conditions in Table 5 due to the linear and branch isomers of these compounds (Sect. 10.6.4.1). The areas of all the linear and branched isomer peaks observed in the CAL standards for each of these analytes must be summed and the concentrations reported as a total for each of these analytes.

11.5 Calculations must utilize all available digits of precision, but final reported concentrations should be rounded to an appropriate number of significant figures (one digit of uncertainty), typically two, and not more than three significant figures.

12. Contingencies for Handling Out-of-Control Data or Unacceptable Data

12.1 Section 9.0 outlines sample batch QC acceptance criteria. If non-compliant organic compound results are to be reported, the Organic Section Head and/or the Laboratory Director, and the Operations Manager must approve the reporting of these results. The laboratory Project Manager shall be notified, and may choose to relay the non-compliance to the client, for approval, or other corrective action, such as re-sampling and re-analysis. The analyst, Data Reviewer, or Department Supervisor performing the secondary review initiates the project narrative, and the narrative must clearly document the non-compliance and provide a reason for acceptance of these results.

12.2 All results for the organic compounds of interest are reportable without qualification if extraction and analytical holding times are met, preservation requirements (including cooler temperatures) are met, all QC criteria are met, and matrix interference is not suspected during extraction or analysis of the samples. If any of the below QC parameters are not met, all associated samples must be evaluated for re-extraction and/or re-analysis.

13. Method Performance

13.1 Detection Limit Study (DL) / Limit of Detection Study (LOD) / Limit of Quantitation (LOQ)

13.1.1 The laboratory follows the procedure to determine the DL, LOD, and/or LOQ as outlined in Alpha SOP ID 1732. These studies performed by the laboratory are maintained on file for review.

13.2 Demonstration of Capability Studies

13.2.1 The IDC must be successfully performed prior to analyzing any Field Samples. Prior to conducting the IDC, the analyst must first generate an acceptable Initial Calibration following the procedure outlined in Section 10.6.

13.2.2 INITIAL DEMONSTRATION OF LOW SYSTEM BACKGROUND – Any time a new lot of SPE cartridges, solvents, centrifuge tubes, disposable pipets, and autosampler vials are used, it must be demonstrated that an MB is reasonably free of contamination and that the criteria in Section 9.2.1 are met. If an automated extraction system is used, an MB should be extracted on each port to ensure that all the valves and tubing are free from potential PFAS contamination.

13.2.3 INITIAL DEMONSTRATION OF PRECISION (IDP) – Prepare, extract, and analyze four to seven replicate LCSs fortified near the midrange of the initial calibration curve according to the procedure described in Section 10. Sample preservatives as described in Section 6.2.1 must be added to these samples. The relative standard deviation (RSD) of the results of the replicate analyses must be less than 20%.

13.2.4 INITIAL DEMONSTRATION OF ACCURACY (IDA) – Using the same set of replicate data generated for Section 13.2.3, calculate average recovery. The average recovery of the replicate values must be within ± 30% of the true value.

13.2.5 INITIAL DEMONSTRATION OF PEAK ASYMMETRY FACTOR – Peak asymmetry factors must be calculated using the equation in Section 9.10.1 for the first two eluting peaks (if only two analytes are being analyzed, both must be evaluated) in a mid-level CAL standard. The peak asymmetry factors must fall in the range of 0.8 to 1.5. See guidance in Section 10.6.4.1 if the calculated peak asymmetry factors do not meet the criteria.

13.2.6 Refer to Alpha SOP ID 1739 for further information regarding IDC/DOC Generation.

13.2.7 The analyst must make a continuing, annual, demonstration of the ability to generate acceptable accuracy and precision with this method.

14. Pollution Prevention and Waste Management

14.1 Refer to Alpha's Chemical Hygiene Plan and Hazardous Waste Management and Disposal SOP for further pollution prevention and waste management information.

14.2 This method utilizes SPE to extract analytes from water. It requires the use of very small volumes of organic solvent and very small quantities of pure analytes, thereby minimizing the potential hazards to both the analyst and the environment as compared to the use of large volumes of organic solvents in conventional liquid-liquid extractions.

14.3 The analytical procedures described in this method generate relatively small amounts of waste since only small amounts of reagents and solvents are used. The matrices of concern are finished drinking water or source water. However, laboratory waste management practices must be conducted consistent with all applicable rules and regulations, and that laboratories protect the air, water, and land by minimizing and controlling all releases from fume hoods and bench operations. Also, compliance is required with any sewage discharge permits and regulations, particularly the hazardous waste identification rules and land disposal restrictions.

15. Referenced Documents

Chemical Hygiene Plan – ID 2124

SOP ID 1732 Detection Limit (DL), Limit of Detection (LOD) & Limit of Quantitation (LOQ) SOP

SOP ID 1739 Demonstration of Capability (DOC) Generation SOP

SOP ID 1728 Hazardous Waste Management and Disposal SOP

16. Attachments

Table 7: LC Method Conditions

Time (min)	2 mM Ammonium Acetate (5:95 MeOH/H_2O)	100% Methanol
Initial	100.0	0.0
1.0	100.0	0.0
2.2	85.0	15.0
11	20.0	80.0
11.4	0.0	100.0
12.4	100.0	00.0
15.5	100.0	0.0
Waters Aquity UPLC ® BEHC_{18} 2.1 x 50 mm packed with 1.7 µm BEH C_{18} stationary phase Flow rate of 0.4 mL/min 2-5 µL injection		

Table 8: ESI-MS Method Conditions

ESI Conditions	
Polarity	Negative ion
Capillary needle voltage	.5 kV
Cone Gas Flow	25 L/hr
Nitrogen desolvation gas	1000 L/hr
Desolvation gas temp.	500 ºC

Table 9: Method Analyte Source, Retention Times (RTs), and EIS References

#	Analyte	Transition	RT	IS	Type
1	M3PBA	216>171	2.65		REC
2	PFBA	213 > 169	2.65	2: M4PFBA	
3	M4PFBA	217 > 172	2.65	1: M3PBA	EIS
4	PFPeA	263 > 219	5.67	4: M5PFPEA	
5	M5PFPEA	268 > 223	5.66	1: M3PBA	EIS
6	PFBS	299 > 80	6.35	6: M3PFBS	
7	M3PFBS	302 > 80	6.35	29:M4PFOS	EIS
8	FtS 4:2	327 > 307	7.47	9: M2-4:2FTS	

#	Analyte	Transition	RT	IS	Type
9	M2-4:2FTS	329 > 81	7.47	29:M4PFOS	EIS
10	PFHxA	303 > 269	7.57	10: M5PFHxA	
11	M5PFHxA	318 > 273	7.57	19:M2PFOA	EIS
12	PFPeS	349 > 80	7.88	18: M3PFHxS	
13	PFHpA	363 > 319	8.80	14: M4PFHpA	
14	M4PFHpA	367 > 322	8.80	19:M2PFOA	EIS
15	L-PFHxS	399 > 80	8.94	18: M3PFHxS	
16	br-PFHxS	399 > 80	8.72	18: M3PFHxS	
17	PFHxS Total	399 > 80	8.94	18: M3PFHxS	
18	M3PFHxS	402 > 80	8.94	29:M4PFOS	EIS
19	MPFOA	415 > 370	9.7		REC
20	PFOA	413 > 369	9.7	23: M8PFOA	
21	br-PFOA	413 > 369	9.48	23: M8PFOA	
22	PFOA Total	413 > 369	9.7	23: M8PFOA	
23	M8PFOA	421 > 376	9.7	19: M2PFOA	EIS
24	FtS 6:2	427 > 407	9.66	25: M2-6:2FTS	
25	M2-6:2FTS	429 > 409	9.66	29:M4PFOS	EIS
26	PFHpS	449 > 80	9.78	33: M8PFOS	
27	PFNA	463 > 419	10.41	33: M8PFOS	
28	M9PFNA	472 > 427	10.41	19: M2PFOA	EIS
29	M4PFOS	501 > 80	10.45		REC
30	PFOS	499 > 80	10.45	33: M8PFOS	
31	br-PFOS	499 > 80	10.27	33: M8PFOS	
32	PFOS Total	499 > 80	10.45	33: M8PFOS	
33	M8PFOS	507 > 80	10.45	29: M4PFOS	EIS
34	FtS 8:2	527 > 507	10.99	38: M2-8:2FTS	
35	M2-8:2FTS	529 > 509	10.99	29:M4PFOS	EIS
36	M2PFDA	515 > 470	11.00		REC
37	PFDA	513 > 469	11.00	38: M6PFDA	
38	M6PFDA	519 > 474	11.00	36: M2PFDA	EIS
39	PFNS	549 > 80	11.02	33:M8PFOS	
40	NMeFOSAA	570 > 419	11.41	41: D3-NMeFOSAA	
41	d3-NMeFOSAA	573 > 419	11.41	36: M2PFDA	EIS
42	PFOSA	498 > 78	11.48	29: M8FOSA	
43	M8FOSA	506 > 78	11.48	19: M2PFOA	EIS
44	PFUnDA	563 > 519	11.51	41: M7-PFUDA	
45	M7-PFUDA	570 > 525	11.51	36: M2PFDA	EIS
46	PFDS	599 > 80	11.51	33:M8PFOS	
47	NEtFOSAA	584 > 419	11.68	48: d5-NEtFOSAA	

#	Analyte	Transition	RT	IS	Type
48	d5-NEtFOSAA	589 > 419	11.68	36: M2PFDA	EIS
49	PFDoA	613 > 569	11.96	50: MPFDOA	
50	MPFDOA	615 > 570	11.96	36: M2PFDA	EIS
51	PFTriA	663 > 619	12.34	50: MPFDOA	
52	PFTeA	713 > 669	12.6	53: M2PFTEDA	
53	M2PFTEDA	715 > 670	12.6	36: M2PFDA	EIS
54	M3HFPO-DA	329>285	7.97	19: M2PFOA	EIS
55	HFPO-DA	332>287	7.97	54: M3HFPO-DA	
56	ADONA	377>251	8.00	23: M8PFOA	
57	PFHxDA	813>769	13.20	59: M2PFHxDA	
58	PFODA	913>869	13.50	59: M2PFHxDA	
59	M2PFHxDA	815>770	13.20	36:M2PFDA	EIS
60	NEtFOSA	526>169	11.00	61: NMeFOSA	
61	NMeFOSA	512>169	10.50	63: d3-NMeFOSA	
62	d3-NMeFOSA	515>169	10.50	29: M4PFOS	EIS
63	d5-NEtFOSA	531>169	11.00	29: M4PFOS	EIS
64	NMeFOSE	556>122	11.25	66: d7-NMeFOSE	
65	NEtFOSE	570>136	10.75	67: d9-NEtFOSE	
66	d7-NMeFOSE	563>126	11.25	29: M4PFOS	EIS
67	d9-NEtFOSE	579>142	10.75	29: M4PFOS	EIS
68	FtS 10:2	627>607	11.50	25: M2-6:2FTS	
69	PFDoS	699>99	12.50	33: M8PFOS	

Appendix C
Health and Safety Plan

Health and Safety Plan

for
2921 Westchester Avenue
Remedial Investigation Work Plan

2921 Westchester Avenue
Bronx, New York 10461
BCP Site # C203140

Submitted to:
New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau B
625 Broadway, 12th Floor
Albany, NY 12233-7016

Prepared for:
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January 2021

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1.0 INTRODUCTION

This Health and Safety Plan (HASP) has been prepared in conformance with the Occupational Safety and Health Administration (OSHA) standards and guidance that govern site investigation activities, other applicable regulations, and Tenen Environmental LLC (Tenen) health and safety policies and procedures. The purpose of this HASP is the protection of Tenen field personnel and others during the implementation of a Remedial Investigation.

The Site is located on the west side of Westchester Avenue, between Pilgrim Avenue and Buhre Avenue, in the Pelham Bay section of the Bronx, New York.

The Site is improved with one two-story commercial building with a partial basement that occupies the entire Site lot. The Site consists of one tenant space of the building and a portion of the partial basement. The Site is an irregularly shaped 1,415 square foot parcel located in the Bronx Community Board 10 and is generally identified as a portion of Block 4164 and Lot 5. The Site is currently occupied by a tutor and afterschool program, but was historically utilized as a dry cleaning facility.

1.1 Scope of HASP

This HASP includes safety procedures to be used by Tenen staff during the following activities:

- Soil borings and collection of soil samples;
- Installation of monitoring wells and collection of groundwater samples; and,
- Installation of soil vapor probes and collection of soil vapor samples, indoor air samples, and ambient air samples.

Subcontractors will ensure that performance of the work is in compliance with this HASP and applicable laws and regulations.

2.0 PROJECT SAFETY AUTHORITY

The following personnel are responsible for project health and safety under this HASP.

- Project Manager, Alana Carroll
- Health and Safety Officer (HSO), Ashley Platt

In addition, each individual working at the Site will be responsible for compliance with this HASP and general safe working practices. All Site workers will have the authority to stop work if a potentially hazardous situation or event is observed.

2.1 Designated Personnel

The Project Manager is responsible for the overall operation of the project, including compliance with the HASP and general safe work practices. The Project Manager may also act as the Health and Safety Officer (HSO) for this project.

Tenen will appoint one of its on-site personnel as the on-site HSO. This individual will be responsible for the implementation of the HASP. The HSO will have a 4-year college degree in occupational safety or a related science/engineering field, and at least two (2) years of experience in implementation of air monitoring and hazardous materials sampling programs. The HSO will have completed a 40-hour training course that meets OSHA requirements of 29 CFR Part 1910, Occupational Safety and Health Standards.

The HSO will be present on-site during all field operations involving drilling or other subsurface disturbance, and will be responsible for all health and safety activities and the delegation of duties to the field crew. The HSO has stop-work authorization, which he/she will execute on his/her determination of an imminent safety hazard, emergency situation, or other potentially dangerous situation. If the HSO must be absent from the field, a replacement who is familiar with the Construction Health and Safety Plan, air monitoring and personnel protective equipment (PPE) will be designated.

3.0 HAZARD ASSESSMENT AND CONTROL MEASURES

The Site was initially developed sometime prior to 1950 with the existing two-story building with a partial basement. The Site operated as a dry cleaning facility from 1988 to 2000. The Site is currently operated as a tutoring facility. The following previous investigations summarize contaminants of concern detected on the site:

Phase II Environmental Site Assessment, 2925 Westchester Avenue, Bronx, NY 10461, Castleton Environmental, August 2019.

Castleton Environmental conducted a soil, groundwater, and soil vapor investigation at the Site in 2019, which included the collection of three soil samples, three groundwater samples, and three sub-slab soil vapor samples from the basement of the former dry cleaner for laboratory analysis. The results were as follows:

- Chlorinated VOCs (cVOCs), specifically tetrachloroethene (PCE), trichloroethene (TCE), and cis-1,2-dichloroethene (cis-1,2-DCE) were detected in exceedance of their respective Unrestricted Use Soil Cleanup Objectives (SCOs) and Protection of Groundwater SCOs in one of three soil samples collected;
- cVOCs, specifically PCE, TCE, and cis-1,2-DCE, were detected in exceedance of their NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values (Class GA Standards) in all three groundwater samples collected; and,
- Elevated concentrations of cVOCs, specifically PCE, TCE, and cis-1,2-DCE, were detected in two of three soil vapor samples collected.

Groundwater and Indoor Air Investigation and Soil Delineation Sampling Letter Report, 2925 Westchester Avenue, Bronx, NY 10461, Tenen Environmental, LLC, May 2020.

Tenen conducted a groundwater and indoor air investigation and soil delineation sampling at the Site in 2019 and 2020, which included the collection of 22 onsite soil samples and one offsite soil sample, one onsite groundwater sample and two offsite groundwater samples, and two onsite indoor air samples and three offsite indoor air samples for laboratory analysis. The results were as follows:

- Concentrations of PCE were detected in exceedance of its Unrestricted Use and Protection of Groundwater SCOs at 0-1 feet below basement grade (ft-bbg) at five boring locations, at 1-2 ft-bbg at two boring locations, and at 2-3 ft-bbg at one boring location. In addition, TCE and cis-1,2-DCE were detected in exceedance of Unrestricted Use and Protection of Groundwater sCOs at 0-1 ft-bbg at five boring locations, at 1-2 ft-bbg at two boring locations, and at 2-3 ft-bbg at two boring locations; vinyl chloride was detected in exceedance of its Unrestricted Use and Protection of Groundwater SCOs at 0-1 ft-bbg at one boring location and at 1-2 ft-bbg at one boring location; and methylene chloride was detected in exceedance of its Unrestricted Use and Protection of Groundwater SCOs at 1-2 ft-bbg at one boring location;
- A PCE hotspot in soil was horizontally and vertically delineated at the Site and is approximately 7 cubic yards in volume;

- Concentrations of cVOCs, specifically PCE, TCE, and cis-1,2-DCE were detected in exceedance of Class GA Standards in the groundwater sample collected from the basement of the Site;
- Concentrations of VOCs were not detected in exceedance of NYSDOH Air Guidance Values (AGVs) in any onsite or offsite indoor air samples collected. However, low concentrations of cVOCs were detected in all five indoor air samples collected, with the highest concentrations generally occurring in the sample collected from the basement of the Site; and,
- Concentrations of cVOCs were not detected in exceedance of applicable standards in any offsite soil or groundwater samples collected;

3.1 Human Exposure Pathways

The media of concern at the Site include potentially-impacted soil, groundwater and soil vapor. Potential exposure pathways include dermal contact, incidental ingestion and inhalation of vapors. The risk of dermal contact and incidental ingestion will be minimized through general safe work practices, a personal hygiene program and the use of PPE. The risk of inhalation will be minimized through the use of an air monitoring program for VOCs and particulates.

3.2 Chemical Hazards

Based on historic uses, the following contaminants of concern may be present at the Site:

Chlorinated Solvents

- Tetrachloroethene (PCE)
- Trichloroethene (TCE)
- Cis-1,2-dichloroethene (cis-1,2-DCE)

Material Safety Data Sheets (MSDSs) for each contaminant of concern are included in Appendix C. All personnel are required to review the MSDSs included in this HASP.

3.3 Physical Hazards

The physical hazards associated with the field activities likely present a greater risk of injury than the chemical constituents at the Site. Activities within the scope of this project shall comply with New York State and Federal OSHA construction safety standards.

<u>Head Trauma</u>
To minimize the potential for head injuries, field personnel will be required to wear National Institutes of Occupational Safety and Health (NIOSH)-approved hard hats during field activities. Hats must be worn properly and not altered in any way that would decrease the degree of protection provided.

<u>Foot Trauma</u>
To avoid foot injuries, field personnel will be required to wear steel-toed safety shoes while field activities are being performed. To afford maximum protection, all safety shoes must meet

American National Standards Institute (ANSI) standards.

Eye Trauma
Field personnel will be required to wear eye protection (safety glasses with side shields) while field activities are being performed to prevent eye injuries caused by contact with chemical or physical agents.

Noise Exposure
Field personnel will be required to wear hearing protection (ear plugs or muffs) in high noise areas (noise from heavy equipment) while field activities are being performed.

Buried Utilities and Overhead Power Lines
Boring locations will be cleared by an underground utility locator service. In addition, prior to intrusive activities, the drilling subcontractor will contact the One Call Center to arrange for a utility mark-out, in accordance with New York State requirements. Protection from overhead power lines will be accomplished by maintaining safe distances of at least 15 feet at all times.

Thermal Stress
The effects of ambient temperature can cause physical discomfort, personal injury, and increase the probability of accidents. In addition, heat stress due to lack of body ventilation caused by protective clothing is an important consideration. Heat-related illnesses commonly consist of heat stroke and heat exhaustion.

The symptoms of heat stroke include: sudden onset; change in behavior; confusion; dry, hot and flushed skin; dilated pupils; fast pulse rate; body temperature reaching 105° or more; and/or, deep breathing later followed by shallow breathing.

The symptoms of heat exhaustion include: weak pulse; general weakness and fatigue; rapid shallow breathing; cold, pale and clammy skin; nausea or headache; profuse perspiration; unconsciousness; and/or, appearance of having fainted.

Heat-stress monitoring will be conducted if air temperatures exceed 70 degrees Fahrenheit. The initial work period will be set at 2 hours. Each worker will check his/her pulse at the wrist for 30 seconds early in each rest period. If the pulse rate exceeds 110 beats per minute, the next work period will be shortened by one-third.

One or more of the following precautions will reduce the risk of heat stress on the Site:

- Provide plenty of liquids to replace lost body fluids; water, electrolytic drinks, or both will be made available to minimize the risk of dehydration and heat stress
- Establish a work schedule that will provide appropriate rest periods
- Establish work regimens consistent with the American Conference of Governmental Industrial Hygienists (ACGIH) guidelines
- Provide adequate employee training on the causes of heat stress and preventive measures

In the highly unlikely event of extreme low temperatures, reasonable precautions will be made to avoid risks associated with low temperature exposure.

Traffic

Field activities will occur near public roadways. As a result, vehicular traffic will be a potential hazard during these activities and control of these areas will be established using barricades or traffic cones. Additional staff will be assigned, as warranted, for the sole purpose of coordinating traffic. Personnel will also be required to wear high-visibility traffic vests while working in the vicinity of the public roadways and local requirements for lane closure will be observed as needed. All work in public rights-of-way will be coordinated with local authorities and will adhere to their requirements for working in traffic zones.

Hazardous Weather Conditions

All Site workers will be made aware of hazardous weather conditions, specifically including extreme heat, and will be requested to take the precautions described herein to avoid adverse health risks. All workers are encouraged to take reasonable, common sense precautions to avoid potential injury associated with possible rain or high wind, sleet, snow or freezing.

Slip, Trip and Fall

Areas at the Site may be slippery from mud or water. Care should be taken by all Site workers to avoid slip, trip, and fall hazards. Workers shall not enter areas that do not have adequate lighting. Additional portable lighting will be provided at the discretion of the HSO.

Biological Hazards

Drugs and alcohol are prohibited from the Site. Any on-site personnel violating this requirement will be immediately expelled from the site.

Any worker or oversight personnel with a medical condition that may require attention must inform the HSO of such condition. The HSO will describe appropriate measures to be taken if the individual should become symptomatic.

Due to the Site location in an urban area, it is highly unlikely that poisonous snakes, spiders, plants and insects will be encountered. However, other animals (dogs, cats, etc.) may be encountered and care should be taken to avoid contact.

4.0 COVID-19 HEALTH AND SAFETY

The following requirements apply to all Tenen employees working on project sites for the duration of the COVID-19 pandemic. These guidelines are based on information provided by the Centers for Disease Control, the Occupational Safety and Health Administration and the New York State "New York Forward" Covid-19 management plans. Information regarding the health status of Tenen employees will be kept confidential, with the exception of required notifications to health authorities. The following are guidelines. **As with any potential workplace hazard, employees should report any concerns related to potential Covid-19 exposure to the Project Manager.**

Communication/Reporting:

Employees should not report to work and should notify the Project Manager immediately in the event of the following:

- You are exhibiting flu-like symptoms (fever, body aches, cough, difficulty breathing). Contact your health care provider and follow their instructions.
- You do not exhibit symptoms but have a sick (i.e., diagnosed with Covid-19 or exhibiting flu-like symptoms) family member at home. Remember that the virus can be spread by asymptomatic individuals.
- You have been exposed to someone who has been diagnosed with Covid-19.

In each of the above cases, inform your Project Manager regarding others who may have been exposed in order to facilitate any necessary notification or contact tracing efforts.

Hygiene

- Wash hands frequently with soap and water for at least 20 seconds or use hand sanitizer with at least 60% alcohol if soap and water are not available. Key times for employees to clean their hands include:
    - Before and after work shifts
    - Before and after work breaks
    - After blowing the nose, coughing, or sneezing
    - After using the restroom
    - Before eating or preparing food
    - After putting on, touching, or removing face coverings
- Avoid touching the eyes, nose, and mouth with unwashed hands.
- Practice good respiratory etiquette, including covering coughs and sneezes.
- To the extent possible, avoid sharing tools and sampling equipment. Shared tools and equipment should be regularly disinfected.

Physical Distancing

- Minimize contact with others, maintaining a distance of at least six feet to the extent possible
- Employees should wear masks over their nose and mouth to prevent spread of the virus; this is especially important when a minimum 6-foot distance cannot be maintained.
- Maintain the 6-foot distance to the extent possible during sampling efforts and pickup and delivery of sampling equipment and containers.
- Keep job site meetings to a minimum and of short duration; limit the number of people involved and maintain social distance.

5.0 AIR MONITORING

The NYSDOH Generic Community Air Monitoring Plan (CAMP), included as Appendix 1A of DER-10, will be implemented during all ground-intrusive sampling activities.

VOC Monitoring, Response Levels, and Actions

Volatile organic compounds (VOCs) must be monitored at the downwind perimeter of the immediate work area (i.e., the exclusion zone) on a continuous basis or as otherwise specified. Upwind concentrations should be measured at the start of each workday and periodically thereafter to establish background conditions, particularly if wind direction changes. The monitoring should be performed using equipment appropriate for the types of contaminants known or suspected to be present. The equipment should be calibrated at least daily for the contaminant(s) of concern or for an appropriate surrogate. The equipment should be capable of calculating 15-minute running average concentrations, which will be compared to the levels specified below.

1. If the ambient air concentration of total organic vapors at the downwind perimeter of the work area or exclusion zone exceeds 5 parts per million (ppm) above background for the 15-minute average, work activities must be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below 5 ppm over background, work activities can resume with continued monitoring.
2. If total organic vapor levels at the downwind perimeter of the work area or exclusion zone persist at levels in excess of 5 ppm over background but less than 25 ppm, work activities must be halted, the source of vapors identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities can resume provided that the total organic vapor level 200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less - but in no case less than 20 feet, is below 5 ppm over background for the 15-minute average.
3. If the organic vapor level is above 25 ppm at the perimeter of the work area, activities must be shut down.
4. All 15-minute readings must be recorded and be available for State (NYSDEC and NYSDOH) personnel to review. Instantaneous readings, if any, used for decision purposes should also be recorded.

Particulate Monitoring, Response Levels, and Actions

Particulate concentrations should be monitored continuously at the upwind and downwind perimeters of the exclusion zone at temporary particulate monitoring stations. The particulate monitoring should be performed using real-time monitoring equipment capable of measuring particulate matter less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action level. The equipment must be equipped with an audible alarm to indicate exceedance of the action level. In addition, fugitive dust migration should be visually assessed during all work activities.

1. If the downwind PM-10 particulate level is 100 micrograms per cubic meter (mcg/m3) greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed leaving the work area, then dust suppression techniques must be employed. Work may continue with dust suppression techniques provided that downwind PM-10

particulate levels do not exceed 150 mcg/m3 above the upwind level and provided that no visible dust is migrating from the work area.

2. If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than 150 mcg/m3 above the upwind level, work must be stopped and a re-evaluation of activities initiated. Work can resume provided that dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within 150 mcg/m3 of the upwind level and in preventing visible dust migration.
3. All readings must be recorded and be available for State (NYSDEC and NYSDOH) personnel to review.

A site-specific CAMP is included as Appendix D of the RIWP.

6.0 PERSONAL PROTECTIVE EQUIPMENT

The personal protection equipment required for various kinds of site investigation tasks is based on 29 CFR 1910.120, Hazardous Waste Operations and Emergency Response, "General Description and Discussion of the Levels of Protection and Protective Gear" and the Centers for CDC COVID-19 "Guidelines on How to Protect Yourselves and Others".

Tenen field personnel and other site personnel will wear Modified Level D-1 personal protective equipment. During activities such as drilling, well installation, or sampling, where there is a chance of contact with contaminated materials, Modified Level D-2 equipment will be worn. The protection will be upgraded to Level C if warranted by the results of the air monitoring. A six-foot minimum distance between individuals (both workers and non-workers) will be maintained at all times. A description of the personnel protective equipment for Levels D and C is provided below.

Modified Level D-1
Respiratory Protection: Cloth face covering
Protective Clothing: Hard hat, steel-toed shoes, long pants, nitrile gloves

Modified Level D-2
Respiratory Protection: Cloth face covering
Protective Clothing: Hard hat, steel-toed shoes, coveralls/tyvek, nitrile gloves

Level C
Respiratory Protection: Air purifying respirator with organic vapor cartridges and filters.
Protective Clothing: Same as Modified Level D-2

7.0 EXPOSURE MONITORING

7.1____Hazardous Materials
Selective monitoring of workers in the exclusion area may be conducted, as determined by the HSO, if sources of hazardous materials are identified. Personal monitoring may be conducted in the breathing zone at the discretion of the Project Manager or HSO. All monitoring will comply with the CDCs Guidance on Social Distancing.

7.2____COVID-19
For any employee that may have come into contact with a person who has COVID-19, a 14-day quarantine will be imposed for that individual and any employee that individual was in contact with.

8.0 SITE ACCESS

Access to the Site during the investigation will be controlled by the Project Manager or HSO. Unauthorized personnel will not be allowed access to the sampling areas.

9.0 WORK AREAS

During any activities involving drilling or other subsurface disturbance, the work area must be divided into various zones to prevent the spread of contamination, clarify the type of protective equipment needed, and provide an area for decontamination.

The Exclusion Zone is defined as the area where potentially contaminated materials are generated as the result of drilling, sampling, or similar activities. The Contamination Reduction Zone (CRZ) is the area where decontamination procedures take place and is located adjacent to the Exclusion Zone. The Support Zone is the area where support facilities such as vehicles, a field phone, fire extinguisher and/or first aid supplies are located. The emergency staging area (part of the Support Zone) is the area where all Site workers will assemble in the event of an emergency. These zones shall be designated daily, depending on that day's activities. All field personnel will be informed of the location of these zones before work begins.

Control measures such as "Caution" tape and traffic cones will be placed around the perimeter of the work area when work is being done in the areas of concern (i.e., areas with exposed soil) to prevent unnecessary access.

10.0 DECONTAMINATION PROCEDURES

Personnel Decontamination
Personnel decontamination (decon), if deemed necessary by the HSO, will take place in the designated decontamination area delineated for each sampling location. Personnel decontamination will consist of the following steps:

- Soap and potable water wash and potable water rinse of gloves;
- Tyvek removal;
- Glove removal;
- Disposable clothing removal; and
- Field wash of hands and face.

Equipment Decontamination
Sampling equipment, such as split-spoons and bailers, will be decontaminated in accordance with U.S. Environmental Protection Agency methodologies, as described in the work plan.

Disposal of Materials
Purged well water, water used to decontaminate any equipment and well cuttings will be containerized and disposed off-site in accordance with federal, state and local regulations.

11.0 GENERAL SAFE WORK PRACTICES

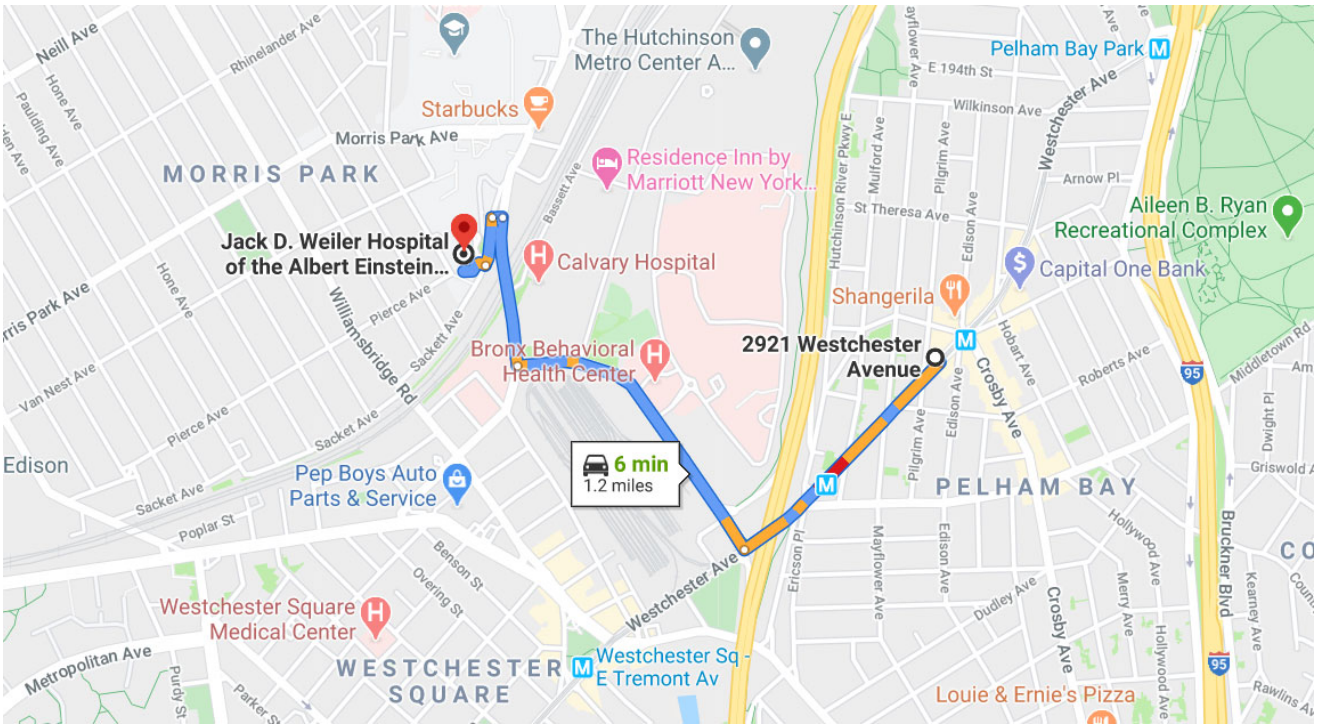
To protect the health and safety of the field personnel, all field personnel will adhere to the guidelines listed below during activities involving subsurface disturbance.

- Eating, drinking, chewing gum or tobacco, and smoking are prohibited, except in designated areas on the site. These areas will be designated by the HSO.
- Workers must wash their hands and face thoroughly on leaving the work area and before eating, drinking, or any other such activity. The workers should shower as soon as possible after leaving the site.
- Removal of potential contamination from PPE and equipment by blowing, shaking or any means that may disperse materials into the air is prohibited.
- Contact with contaminated or suspected surfaces should be avoided.
- The buddy system should always be used; each buddy should watch for signs of fatigue, exposure, and heat stress.
- Personnel will be cautioned to inform each other of symptoms of chemical exposure such as headache, dizziness, nausea, and irritation of the respiratory tract and heat stress.
- No excessive facial hair that interferes with a satisfactory fit of the face-piece of the respirator to the face will be allowed on personnel required to wear respiratory protective equipment.
- On-site personnel will be thoroughly briefed about the anticipated hazards, equipment requirements, safety practices, emergency procedures, and communications methods.

12.0 EMERGENCY PROCEDURES

The field crew will be equipped with emergency equipment, such as a first aid kit and disposable eye washes. In the case of a medical emergency, the HSO will determine the nature of the emergency and will have someone call for an ambulance, if needed. If the nature of the injury is not serious—i.e., the person can be moved without expert emergency medical personnel—onsite personnel should drive injured person to a hospital. **The nearest emergency room is located at the Jack D. Weiler Hospital of the Albert Einstein College of Medicine located at 1825 Westchester Road, Bronx, NY 10461. The phone number is (718) 904-3333.** The route to the hospital is shown and detailed on the next page.

12.1 Route to Hospital



Driving directions to **Jack D. Weiler Hospital of the Albert Einstein College of Medicine** from **2921 Westchester Avenue, Bronx, New York.**

Driving Directions

1. Head southwest on Westchester Avenue towards Pilgrim Avenue (0.4 mi).
2. Turn right onto Waters Place (0.5 mi).
3. Turn right onto Eastchester Road (0.2 mi).
4. Turn left toward Sackett Avenue (75 ft).
5. Turn left onto Sackett Avenue (364 ft).
6. Turn right (194 ft). Destination will be on the right.

12.2 Emergency Contacts

There will be an on-site field phone. Emergency and contact telephone numbers are listed below:

Table 1 – Emergency Contacts

Ambulance	911
Emergency Room	(718) 918-5000
NYSDEC Spill Hotline	(800) 457-7362
NYSDEC	(518) 402-8013
Project Manager, Matthew Carroll	(917) 510-6767
On-site Personnel, Ashley Platt	(908) 892-1354
Client representative, Anthony Scovotti	(718) 824-1700

13.0 TRAINING

All personnel performing the field activities described in this HASP will have received the initial safety training required by 29 CFR, 1910.120. Current refresher training status also will be required for all personnel engaged in field activities.

All those who enter the work area while intrusive activities are being performed must recognize and understand the potential hazards to health and safety. All field personnel must attend a training program covering the following areas:

- potential hazards that may be encountered;
- the knowledge and skills necessary for them to perform the work with minimal risk to health and safety;
- the purpose and limitations of safety equipment; and
- protocols to enable field personnel to safely avoid or escape from emergencies.

Each member of the field crew will be instructed in the above objectives before he/she goes onto the site. The HSO will be responsible for conducting the training program.

14.0 MEDICAL SURVEILLANCE

All Tenen and subcontractor personnel performing field work involving drilling or other subsurface disturbance at the site are required to have passed a complete medical surveillance examination in accordance with 29 CFR 1910.120 (f). The medical examination for Tenen employees will, at a minimum, be provided annually and upon termination of hazardous waste site work.

Appendix A

Acknowledgement of HASP

ACKNOWLEDGMENT OF HASP

Below is an affidavit that must be signed by all Tenen Environmental employees who enter the site. A copy of the HASP must be on-site at all times and will be kept by the HSO.

AFFIDAVIT

I have read the Construction Health and Safety Plan (HASP) for the 2921 Westchester Avenue site in the Bronx, NY. I agree to conduct all on-site work in accordance with the requirements set forth in this HASP and understand that failure to comply with this HASP could lead to my removal from the site.

Signature: _____ Date: _____
Signature: _____ Date: _____
Signature: _____ Date: _____
Signature: _____ Date: _____
Signature: _____ Date: _____

Appendix B

Injury Reporting Form (OSHA Form 300)

OSHA's Form 300 (Rev. 01/2004)

Log of Work-Related Injuries and Illnesses

Attention: This form contains information relating to employee health and must be used in a manner that protects the confidentiality of employees to the extent possible while the information is being used for occupational safety and health purposes.

Year 20__ __

U.S. Department of Labor
Occupational Safety and Health Administration

Form approved OMB no. 1218-0176

You must record information about every work-related death and about every work-related injury or illness that involves loss of consciousness, restricted work activity or job transfer, days away from work, or medical treatment beyond first aid. You must also record significant work-related injuries and illnesses that are diagnosed by a physician or licensed health care professional. You must also record work-related injuries and illnesses that meet any of the specific recording criteria listed in 29 CFR Part 1904.8 through 1904.12. Feel free to use two lines for a single case if you need to. You must complete an Injury and Illness Incident Report (OSHA Form 301) or equivalent form for each injury or illness recorded on this form. If you're not sure whether a case is recordable, call your local OSHA office for help.

Establishment name _____

City _____ State _____

Identify the person			Describe the case			Classify the case (CHECK ONLY ONE box for each case based on the most serious outcome for that case:)				Enter the number of days the injured or ill worker was:		Check the "Injury" column or choose one type of illness:					
								Remained at Work									
(A) Case no.	(B) Employee's name	(C) Job title (*e.g., Welder*)	(D) Date of injury or onset of illness	(E) Where the event occurred (*e.g., Loading dock north end*)	(F) Describe injury or illness, parts of body affected, and object/substance that directly injured or made person ill (*e.g., Second degree burns on right forearm from acetylene torch*)	Death (G)	Days away from work (H)	Job transfer or restriction (I)	Other recordable cases (J)	Away from work (K)	On job transfer or restriction (L)	(M) Injury (1)	Skin disorder (2)	Respiratory condition (3)	Poisoning (4)	Hearing loss (5)	All other illnesses (6)
____	_____	_____	___/___ month/day	_____	_____	☐	☐	☐	☐	____ days	____ days	☐	☐	☐	☐	☐	☐
____	_____	_____	___/___ month/day	_____	_____	☐	☐	☐	☐	____ days	____ days	☐	☐	☐	☐	☐	☐
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____	_____	_____	___/___ month/day	_____	_____	☐	☐	☐	☐	____ days	____ days	☐	☐	☐	☐	☐	☐
____	_____	_____	___/___ month/day	_____	_____	☐	☐	☐	☐	____ days	____ days	☐	☐	☐	☐	☐	☐
____	_____	_____	___/___ month/day	_____	_____	☐	☐	☐	☐	____ days	____ days	☐	☐	☐	☐	☐	☐
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____	_____	_____	___/___ month/day	_____	_____	☐	☐	☐	☐	____ days	____ days	☐	☐	☐	☐	☐	☐
____	_____	_____	___/___ month/day	_____	_____	☐	☐	☐	☐	____ days	____ days	☐	☐	☐	☐	☐	☐
					Page totals ➤	____	____	____	____	____	____	____ Injury (1)	____ Skin disorder (2)	____ Respiratory condition (3)	____ Poisoning (4)	____ Hearing loss (5)	____ All other illnesses (6)

Be sure to transfer these totals to the Summary page (Form 300A) before you post it.

Public reporting burden for this collection of information is estimated to average 14 minutes per response, including time to review the instructions, search and gather the data needed, and complete and review the collection of information. Persons are not required to respond to the collection of information unless it displays a currently valid OMB control number. If you have any comments about these estimates or any other aspects of this data collection, contact: US Department of Labor, OSHA Office of Statistical Analysis, Room N-3644, 200 Constitution Avenue, NW, Washington, DC 20210. Do not send the completed forms to this office.

Appendix C

Material Safety Data Sheets (MSDS)

SAFETY DATA SHEET

Creation Date 22-Sep-2009 **Revision Date** 23-Jan-2018 **Revision Number** 3

1. Identification

Product Name **cis-1,2-Dichloroethylene**

Cat No. : **AC113380000; AC113380025; AC113380100; AC113380500**

Synonyms cis-Acetylene dichloride.

Recommended Use Laboratory chemicals.
Uses advised against Food, drug, pesticide or biocidal product use.

Details of the supplier of the safety data sheet

Company

Fisher Scientific
One Reagent Lane
Fair Lawn, NJ 07410
Tel: (201) 796-7100

Acros Organics
One Reagent Lane
Fair Lawn, NJ 07410

Emergency Telephone Number
For information **US** call: 001-800-ACROS-01 / **Europe** call: +32 14 57 52 11
Emergency Number **US:**001-201-796-7100 / **Europe:** +32 14 57 52 99
CHEMTREC Tel. No.**US:**001-800-424-9300 / **Europe:**001-703-527-3887

2. Hazard(s) identification

Classification
This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Flammable liquids	Category 2
Acute oral toxicity	Category 4
Acute Inhalation Toxicity - Vapors	Category 4
Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2
Specific target organ toxicity (single exposure)	Category 3
Target Organs - Respiratory system.	

Label Elements

Signal Word
Danger

Hazard Statements
Highly flammable liquid and vapor
Harmful if swallowed
Harmful if inhaled

Causes serious eye irritation
Causes skin irritation
May cause respiratory irritation

Precautionary Statements
Prevention
Wear protective gloves/protective clothing/eye protection/face protection
Use only outdoors or in a well-ventilated area
Avoid breathing dust/fume/gas/mist/vapors/spray
Keep away from heat/sparks/open flames/hot surfaces. - No smoking
Keep container tightly closed
Ground/bond container and receiving equipment
Take precautionary measures against static discharge
Do not eat, drink or smoke when using this product
Response
Call a POISON CENTER or doctor/physician if you feel unwell
Inhalation
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
Call a POISON CENTER or doctor/physician if you feel unwell
Skin
IF ON SKIN: Wash with plenty of soap and water
Take off contaminated clothing and wash before reuse
If skin irritation occurs: Get medical advice/attention
Eyes
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical advice/attention
Ingestion
Rinse mouth
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
Fire
Explosion risk in case of fire
Fight fire with normal precautions from a reasonable distance
Evacuate area
Storage
Store in a well-ventilated place. Keep cool
Store in a closed container
Store locked up
Disposal
Dispose of contents/container to an approved waste disposal plant
Hazards not otherwise classified (HNOC)
None identified

3. Composition/Information on Ingredients

Component	CAS-No	Weight %
cis-1,2-Dichloroethylene	156-59-2	97

4. First-aid measures

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.

Skin Contact Wash off immediately with plenty of water for at least 15 minutes. Get medical attention.

Inhalation Remove to fresh air. Get medical attention. If not breathing, give artificial respiration.

Ingestion Do NOT induce vomiting. Get medical attention.

Most important symptoms and effects Difficulty in breathing. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting

Notes to Physician Treat symptomatically

5. Fire-fighting measures

Suitable Extinguishing Media Water spray. Carbon dioxide (CO_2). Dry chemical. Water mist may be used to cool closed containers. Chemical foam. Water mist may be used to cool closed containers.

Unsuitable Extinguishing Media No information available

Flash Point 6 °C / 42.8 °F

Method - No information available

Autoignition Temperature 440 °C / 824 °F

Explosion Limits
- **Upper** 12.80%
- **Lower** 9.70%
- **Sensitivity to Mechanical Impact** No information available
- **Sensitivity to Static Discharge** No information available

Specific Hazards Arising from the Chemical
Flammable. Vapors may travel to source of ignition and flash back. Containers may explode when heated. Vapors may form explosive mixtures with air.

Hazardous Combustion Products
Carbon monoxide (CO). Carbon dioxide (CO_2). Hydrogen chloride gas.

Protective Equipment and Precautions for Firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

NFPA

Health	Flammability	Instability	Physical hazards
2	3	0	N/A

6. Accidental release measures

Personal Precautions Ensure adequate ventilation. Use personal protective equipment as required. Remove all sources of ignition. Take precautionary measures against static discharges. Avoid contact with skin, eyes or clothing.

Environmental Precautions See Section 12 for additional Ecological Information. Do not flush into surface water or sanitary sewer system.

Methods for Containment and Clean Up Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal. Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment.

7. Handling and storage

Handling

Ensure adequate ventilation. Wear personal protective equipment/face protection. Use spark-proof tools and explosion-proof equipment. Use only non-sparking tools. Avoid contact with skin, eyes or clothing. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid ingestion and inhalation. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded.

Storage

Keep in a dry, cool and well-ventilated place. Refer product specification and/or product label for specific storage temperature requirement. Keep container tightly closed. Keep away from heat, sparks and flame. Flammables area. Keep container tightly closed in a dry and well-ventilated place.

8. Exposure controls / personal protection

Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH IDLH	Mexico OEL (TWA)
cis-1,2-Dichloroethylene	TWA: 200 ppm			TWA: 200 ppm

Legend

ACGIH - American Conference of Governmental Industrial Hygienists

Engineering Measures

Ensure adequate ventilation, especially in confined areas. Use explosion-proof electrical/ventilating/lighting/equipment. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal Protective Equipment

Eye/face Protection

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin and body protection

Wear appropriate protective gloves and clothing to prevent skin exposure.

Respiratory Protection

No protective equipment is needed under normal use conditions.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Physical State	Liquid
Appearance	Colorless
Odor	aromatic
Odor Threshold	No information available
pH	No information available
Melting Point/Range	-80 °C / -112 °F
Boiling Point/Range	60 °C / 140 °F @ 760 mmHg
Flash Point	6 °C / 42.8 °F
Evaporation Rate	No information available
Flammability (solid,gas)	Not applicable
Flammability or explosive limits	
Upper	12.80%
Lower	9.70%
Vapor Pressure	201 mmHg @ 25 °C
Vapor Density	3.34 (Air = 1.0)
Specific Gravity	1.280
Solubility	No information available
Partition coefficient; n-octanol/water	No data available

Autoignition Temperature	440 °C / 824 °F
Decomposition Temperature	No information available
Viscosity	No information available
Molecular Formula	C2 H2 Cl2
Molecular Weight	96.94

10. Stability and reactivity

Reactive Hazard None known, based on information available

Stability Stable under normal conditions.

Conditions to Avoid Keep away from open flames, hot surfaces and sources of ignition. Exposure to air. Exposure to light. Incompatible products. Exposure to moist air or water.

Incompatible Materials Bases

Hazardous Decomposition Products Carbon monoxide (CO), Carbon dioxide (CO_2), Hydrogen chloride gas

Hazardous Polymerization Hazardous polymerization does not occur.

Hazardous Reactions None under normal processing.

11. Toxicological information

Acute Toxicity

Product Information
Component Information
Toxicologically Synergistic Products No information available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Irritation Irritating to eyes, respiratory system and skin

Sensitization No information available

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

Component	CAS-No	IARC	NTP	ACGIH	OSHA	Mexico
cis-1,2-Dichloroethylene	156-59-2	Not listed	Not listed	Not listed	Not listed	Not listed

Mutagenic Effects No information available

Reproductive Effects No information available.

Developmental Effects No information available.

Teratogenicity No information available.

STOT - single exposure Respiratory system
STOT - repeated exposure None known

Aspiration hazard No information available

Symptoms / effects,both acute and delayed Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting

Endocrine Disruptor Information No information available

Other Adverse Effects The toxicological properties have not been fully investigated.

12. Ecological information

Ecotoxicity

Do not empty into drains. Do not flush into surface water or sanitary sewer system. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. The product contains following substances which are hazardous for the environment.

Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
cis-1,2-Dichloroethylene	Not listed	Not listed	EC50 = 721 mg/L 5 min EC50 = 905 mg/L 30 min	Not listed

Persistence and Degradability Persistence is unlikely based on information available.

Bioaccumulation/ Accumulation No information available.

Mobility Will likely be mobile in the environment due to its volatility.

13. Disposal considerations

Waste Disposal Methods Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

14. Transport information

DOT

UN-No UN1150
Proper Shipping Name 1,2-DICHLOROETHYLENE
Hazard Class 3
Packing Group II

TDG

UN-No UN1150
Proper Shipping Name 1,2-DICHLOROETHYLENE
Hazard Class 3
Packing Group II

IATA

UN-No UN1150
Proper Shipping Name 1,2-DICHLOROETHYLENE
Hazard Class 3
Packing Group II

IMDG/IMO

UN-No UN1150
Proper Shipping Name 1,2-DICHLOROETHYLENE
Hazard Class 3
Packing Group II

15. Regulatory information

United States of America Inventory

Component	CAS-No	TSCA	TSCA Inventory notification - Active/Inactive	TSCA - EPA Regulatory Flags
cis-1,2-Dichloroethylene	156-59-2	X	ACTIVE	-

Legend:
TSCA - Toxic Substances Control Act, (40 CFR Part 710)
X - Listed
'-' - Not Listed

TSCA 12(b) - Notices of Export Not applicable

International Inventories
Canada (DSL/NDSL), Europe (EINECS/ELINCS/NLP), Philippines (PICCS), Japan (ENCS), Australia (AICS), China (IECSC), Korea (ECL).

Component	CAS-No	DSL	NDSL	EINECS	PICCS	ENCS	AICS	IECSC	KECL
cis-1,2-Dichloroethylene	156-59-2	-	X	205-859-7	-	X	X	X	KE-10124

U.S. Federal Regulations

SARA 313 Not applicable

SARA 311/312 Hazard Categories See section 2 for more information

CWA (Clean Water Act) Not applicable

Clean Air Act Not applicable

OSHA - Occupational Safety and Health Administration Not applicable

CERCLA

California Proposition 65 This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Component	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
cis-1,2-Dichloroethylene	X	-	X	-	-

U.S. Department of Transportation
Reportable Quantity (RQ): N
DOT Marine Pollutant N
DOT Severe Marine Pollutant N

U.S. Department of Homeland Security This product does not contain any DHS chemicals.

Other International Regulations

Mexico - Grade No information available

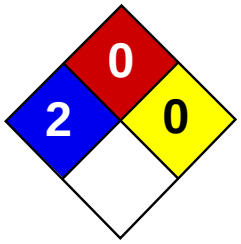
16. Other information

Prepared By Regulatory Affairs
Thermo Fisher Scientific
Email: EMSDS.RA@thermofisher.com

Creation Date 22-Sep-2009
Revision Date 23-Jan-2018
Print Date 23-Jan-2018
Revision Summary This document has been updated to comply with the US OSHA HazCom 2012 Standard replacing the current legislation under 29 CFR 1910.1200 to align with the Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

Disclaimer
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

End of SDS



Health	2
Fire	0
Reactivity	0
Personal Protection	G

Material Safety Data Sheet
Tetrachloroethylene MSDS

Section 1: Chemical Product and Company Identification

Product Name: Tetrachloroethylene

Catalog Codes: SLT3220

CAS#: 127-18-4

RTECS: KX3850000

TSCA: TSCA 8(b) inventory: Tetrachloroethylene

CI#: Not available.

Synonym: Perchloroethylene; 1,1,2,2-Tetrachloroethylene; Carbon bichloride; Carbon dichloride; Ankilostin; Didakene; Dilatin PT; Ethene, tetrachloro-; Ethylene tetrachloride; Perawin; Perchlor; Perclene; Perclene D; Percosolvel; Tetrachloroethene; Tetraleno; Tetralex; Tetravec; Tetroguer; Tetropil

Chemical Name: Ethylene, tetrachloro-

Chemical Formula: C2-Cl4

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Tetrachloroethylene	127-18-4	100

Toxicological Data on Ingredients: Tetrachloroethylene: ORAL (LD50): Acute: 2629 mg/kg [Rat]. DERMAL (LD): Acute: >3228 mg/kg [Rabbit]. MIST(LC50): Acute: 34200 mg/m 8 hours [Rat]. VAPOR (LC50): Acute: 5200 ppm 4 hours [Mouse].

Section 3: Hazards Identification

Potential Acute Health Effects:
Hazardous in case of skin contact (irritant), of inhalation. Slightly hazardous in case of skin contact (permeator), of eye contact (irritant), of ingestion.

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: Classified A3 (Proven for animal.) by ACGIH. Classified 2A (Probable for human.) by IARC, 2 (anticipated carcinogen) by NTP. MUTAGENIC EFFECTS: Mutagenic for bacteria and/or yeast. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance may be toxic to kidneys, liver, peripheral nervous system, respiratory tract, skin, central nervous system (CNS). Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

Skin Contact:
In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Serious Skin Contact:
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Non-flammable.

Auto-Ignition Temperature: Not applicable.

Flash Points: Not applicable.

Flammable Limits: Not applicable.

Products of Combustion: Not available.

Fire Hazards in Presence of Various Substances: Not applicable.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions: Not applicable.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill: Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Large Spill:
Absorb with an inert material and put the spilled material in an appropriate waste disposal. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Do not ingest. Do not breathe gas/fumes/ vapor/spray. Avoid contact with skin. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents, metals, acids, alkalis.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

Personal Protection:
Safety glasses. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 25 (ppm) from OSHA (PEL) [United States] TWA: 25 STEL: 100 (ppm) from ACGIH (TLV) [United States] TWA: 170 (mg/m3) from OSHA (PEL) [United States] Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Liquid.

Odor: Ethereal.

Taste: Not available.

Molecular Weight: 165.83 g/mole

Color: Clear Colorless.

pH (1% soln/water): Not available.

Boiling Point: 121.3°C (250.3°F)

Melting Point: -22.3°C (-8.1°F)

Critical Temperature: 347.1°C (656.8°F)

Specific Gravity: 1.6227 (Water = 1)

Vapor Pressure: 1.7 kPa (@ 20°C)

Vapor Density: 5.7 (Air = 1)

Volatility: Not available.

Odor Threshold: 5 - 50 ppm

Water/Oil Dist. Coeff.: The product is more soluble in oil; log(oil/water) = 3.4

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility:
Miscible with alcohol, ether, chloroform, benzene, hexane. It dissolves in most of the fixed and volatile oils. Solubility in water: 0.015 g/100 ml @ 25 deg. C It slowly decomposes in water to yield Trichloroacetic and Hydrochloric acids.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Incompatible materials

Incompatibility with various substances: Reactive with oxidizing agents, metals, acids, alkalis.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity:
Oxidized by strong oxidizing agents. Incompatible with sodium hydroxide, finely divided or powdered metals such as zinc, aluminum, magnesium, potassium, chemically active metals such as lithium, beryllium , barium. Protect from light.

Special Remarks on Corrosivity: Slowly corrodes aluminum, iron, and zinc.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Eye contact. Inhalation. Ingestion.

Toxicity to Animals:
WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE. Acute oral toxicity (LD50): 2629 mg/kg [Rat]. Acute dermal toxicity (LD50): >3228 mg/kg [Rabbit]. Acute toxicity of the vapor (LC50): 5200 4 hours [Mouse].

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: Classified A3 (Proven for animal.) by ACGIH. Classified 2A (Probable for human.) by IARC, 2 (Some evidence.) by NTP. MUTAGENIC EFFECTS: Mutagenic for bacteria and/or yeast. May cause damage to the following organs: kidneys, liver, peripheral nervous system, upper respiratory tract, skin, central nervous system (CNS).

Other Toxic Effects on Humans:
Hazardous in case of skin contact (irritant), of inhalation. Slightly hazardous in case of skin contact (permeator), of ingestion.

Special Remarks on Toxicity to Animals:
Lowest Publishe Lethal Dose/Conc: LDL [Rabbit] - Route: Oral; Dose: 5000 mg/kg LDL [Dog] - Route: Oral; Dose: 4000 mg/kg LDL [Cat] - Route: Oral; Dose: 4000 mg/kg

Special Remarks on Chronic Effects on Humans:
May cause adverse reproductive effects and birth defects(teratogenic). May affect genetic material (mutagenic). May cause cancer.

Special Remarks on other Toxic Effects on Humans:
Acute Potential Health Effects: Skin: Causes skin irritation with possible dermal blistering or burns. Symtoms may include redness, itching, pain, and possible dermal blistering or burns. It may be absorbed through the skin with possible systemic effects. A single prolonged skin exposure is not likely to result in the material being absorbed in harmful amounts. Eyes: Contact causes transient eye irritation, lacrimation. Vapors cause eye/conjunctival irritation. Symptoms may include redness and pain. Inhalation: The main route to occupational exposure is by inhalation since it is readily absorbed through the lungs. It causes respiratory tract irritation, . It can affect behavior/central nervous system (CNS depressant and anesthesia ranging from slight inebriation to death, vertigo, somnolence, anxiety, headache, excitement, hallucinations, muscle incoordination, dizziness, lightheadness, disorentiation, seizures, enotional instability, stupor, coma). It may cause pulmonary edema Ingestion: It can cause nausea, vomiting, anorexia, diarrhea, bloody stool. It may affect the liver, urinary system (proteinuria, hematuria, renal failure, renal tubular disorder), heart (arrhythmias). It may affect behavior/central nervous system with symptoms similar to that of inhalation. Chronic Potential Health Effects: Skin: Prolonged or repeated skin contact may result in excessive drying of the skin, and irritation. Ingestion/Inhalation: Chronic exposure can affect the liver(hepatitis,fatty liver degeneration), kidneys, spleen, and heart (irregular heartbeat/arrhythmias, cardiomyopathy, abnormal EEG), brain, behavior/ central nervous system/peripheral nervous system (impaired memory, numbness of extremeties, peripheral neuropathy and other

Section 12: Ecological Information

Ecotoxicity:
Ecotoxicity in water (LC50): 18.4 mg/l 96 hours [Fish (Fatthead Minnow)]. 18 mg/l 48 hours [Daphnia (daphnia)]. 5 mg/l 96 hours [Fish (Rainbow Trout)]. 13 mg/l 96 hours [Fish (Bluegill sunfish)].

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: CLASS 6.1: Poisonous material.

Identification: : Tetrachloroethylene UNNA: 1897 PG: III

Special Provisions for Transport: Marine Pollutant

Section 15: Other Regulatory Information

Federal and State Regulations:
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Tetrachloroethylene California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Tetrachloroethylene Connecticut hazardous material survey.: Tetrachloroethylene Illinois toxic substances disclosure to employee act: Tetrachloroethylene Illinois chemical safety act: Tetrachloroethylene New York release reporting list: Tetrachloroethylene Rhode Island RTK hazardous substances: Tetrachloroethylene Pennsylvania RTK: Tetrachloroethylene Minnesota: Tetrachloroethylene Michigan critical material: Tetrachloroethylene Massachusetts RTK: Tetrachloroethylene Massachusetts spill list: Tetrachloroethylene New Jersey: Tetrachloroethylene New Jersey spill list: Tetrachloroethylene Louisiana spill reporting: Tetrachloroethylene California Director's List of Hazardous Substances: Tetrachloroethylene TSCA 8(b) inventory: Tetrachloroethylene TSCA 8(d) H and S data reporting: Tetrachloroethylene: Effective date: 6/1/87; Sunset date: 6/1/97 SARA 313 toxic chemical notification and release reporting: Tetrachloroethylene CERCLA: Hazardous substances.: Tetrachloroethylene: 100 lbs. (45.36 kg)

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada):
CLASS D-1B: Material causing immediate and serious toxic effects (TOXIC). CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC):
R40- Possible risks of irreversible effects. R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. S23- Do not breathe gas/fumes/vapour/spray S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S37- Wear suitable gloves. S61- Avoid release to the environment. Refer to special instructions/Safety data sheets.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 0

Reactivity: 0

Personal Protection: g

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 0

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Safety glasses.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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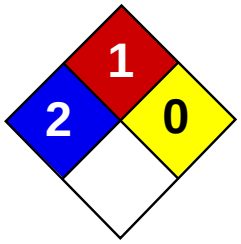

Health	2
Fire	1
Reactivity	0
Personal Protection	H

Material Safety Data Sheet
Trichloroethylene MSDS

Section 1: Chemical Product and Company Identification

Product Name: Trichloroethylene

Catalog Codes: SLT3310, SLT2590

CAS#: 79-01-6

RTECS: KX4560000

TSCA: TSCA 8(b) inventory: Trichloroethylene

CI#: Not available.

Synonym:

Chemical Formula: C2HCl3

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Trichloroethylene	79-01-6	100

Toxicological Data on Ingredients: Trichloroethylene: ORAL (LD50): Acute: 5650 mg/kg [Rat]. 2402 mg/kg [Mouse]. DERMAL (LD50): Acute: 20001 mg/kg [Rabbit].

Section 3: Hazards Identification

Potential Acute Health Effects: Hazardous in case of skin contact (irritant, permeator), of eye contact (irritant), of ingestion, of inhalation.

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: Classified + (PROVEN) by OSHA. Classified A5 (Not suspected for human.) by ACGIH. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance is toxic to kidneys, the nervous system, liver, heart, upper respiratory tract. Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact:

Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Do not use an eye ointment. Seek medical attention.

Skin Contact:
After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

Serious Skin Contact:
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.

Inhalation: Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

Ingestion:
Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: 420°C (788°F)

Flash Points: Not available.

Flammable Limits: LOWER: 8% UPPER: 10.5%

Products of Combustion: These products are carbon oxides (CO, CO2), halogenated compounds.

Fire Hazards in Presence of Various Substances: Not available.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill: Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Large Spill:
Absorb with an inert material and put the spilled material in an appropriate waste disposal. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep locked up Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapour/

spray. Wear suitable protective clothing In case of insufficient ventilation, wear suitable respiratory equipment If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes

Storage:
Keep container dry. Keep in a cool place. Ground all equipment containing material. Carcinogenic, teratogenic or mutagenic materials should be stored in a separate locked safety storage cabinet or room.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection:
Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 50 STEL: 200 (ppm) from ACGIH (TLV) TWA: 269 STEL: 1070 (mg/m3) from ACGIH Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Liquid.

Odor: Not available.

Taste: Not available.

Molecular Weight: 131.39 g/mole

Color: Clear Colorless.

pH (1% soln/water): Not available.

Boiling Point: 86.7°C (188.1°F)

Melting Point: -87.1°C (-124.8°F)

Critical Temperature: Not available.

Specific Gravity: 1.4649 (Water = 1)

Vapor Pressure: 58 mm of Hg (@ 20°C)

Vapor Density: 4.53 (Air = 1)

Volatility: Not available.

Odor Threshold: 20 ppm

Water/Oil Dist. Coeff.: The product is equally soluble in oil and water; log(oil/water) = 0

Ionicity (in Water): Not available.

Dispersion Properties: See solubility in water, methanol, diethyl ether, acetone.

Solubility:
Easily soluble in methanol, diethyl ether, acetone. Very slightly soluble in cold water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Not available.

Corrosivity:
Extremely corrosive in presence of aluminum. Non-corrosive in presence of glass.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: No.

Section 11: Toxicological Information

Routes of Entry: Dermal contact. Eye contact. Inhalation. Ingestion.

Toxicity to Animals:
Acute oral toxicity (LD50): 2402 mg/kg [Mouse]. Acute dermal toxicity (LD50): 20001 mg/kg [Rabbit].

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: Classified + (PROVEN) by OSHA. Classified A5 (Not suspected for human.) by ACGIH. The substance is toxic to kidneys, the nervous system, liver, heart, upper respiratory tract.

Other Toxic Effects on Humans: Hazardous in case of skin contact (irritant, permeator), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Passes through the placental barrier in human. Detected in maternal milk in human.

Special Remarks on other Toxic Effects on Humans: Not available.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are more toxic.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Section 14: Transport Information

DOT Classification: CLASS 6.1: Poisonous material.

Identification: : Trichloroethylene : UN1710 PG: III

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Trichloroethylene California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Trichloroethylene Pennsylvania RTK: Trichloroethylene Florida: Trichloroethylene Minnesota: Trichloroethylene Massachusetts RTK: Trichloroethylene New Jersey: Trichloroethylene TSCA 8(b) inventory: Trichloroethylene CERCLA: Hazardous substances.: Trichloroethylene

Other Regulations: OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications:

WHMIS (Canada):
CLASS D-1B: Material causing immediate and serious toxic effects (TOXIC). CLASS D-2B: Material causing other toxic effects (TOXIC).

DSCL (EEC):
R36/38- Irritating to eyes and skin. R45- May cause cancer.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 1

Reactivity: 0

Personal Protection: h

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 1

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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Appendix D
Community Air Monitoring Plan

Community Air Monitoring Plan (CAMP)

for
2921 Westchester Avenue Remedial Investigation Work Plan

2921 Westchester Avenue
Bronx, New York
BCP Site # C203140

Submitted to:
New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau B
625 Broadway, 12th Floor
Albany, NY 12233-7016

Prepared for:
Ralford Realty Corp.
c/o Anthony Scovotti
Eifert French & Ketchum
330 Fifth Avenue
Pelham, NY 10803

Prepared by:
TENEN ENVIRONMENTAL
121 West 27th Street, Suite 702
New York, NY 10001

January 2021

New York State Department of Health Generic Community Air Monitoring Plan

Overview

A Community Air Monitoring Plan (CAMP) requires real-time monitoring for volatile organic compounds (VOCs) and particulates (i.e., dust) at the downwind perimeter of each designated work area when certain activities are in progress at contaminated sites. The CAMP is not intended for use in establishing action levels for worker respiratory protection. Rather, its intent is to provide a measure of protection for the downwind community (i.e., off-site receptors including residences and businesses and on-site workers not directly involved with the subject work activities) from potential airborne contaminant releases as a direct result of investigative and remedial work activities. The action levels specified herein require increased monitoring, corrective actions to abate emissions, and/or work shutdown. Additionally, the CAMP helps to confirm that work activities did not spread contamination off-site through the air.

The generic CAMP presented below will be sufficient to cover many, if not most, sites. Specific requirements should be reviewed for each situation in consultation with NYSDOH to ensure proper applicability. In some cases, a separate site-specific CAMP or supplement may be required. Depending upon the nature of contamination, chemical- specific monitoring with appropriately-sensitive methods may be required. Depending upon the proximity of potentially exposed individuals, more stringent monitoring or response levels than those presented below may be required. Special requirements will be necessary for work within 20 feet of potentially exposed individuals or structures and for indoor work with co-located residences or facilities. These requirements should be determined in consultation with NYSDOH.

Reliance on the CAMP should not preclude simple, common-sense measures to keep VOCs, dust, and odors at a minimum around the work areas.

Community Air Monitoring Plan

Depending upon the nature of known or potential contaminants at each site, real-time air monitoring for VOCs and/or particulate levels at the perimeter of the exclusion zone or work area will be necessary. Most sites will involve VOC and particulate monitoring; sites known to be contaminated with heavy metals alone may only require particulate monitoring.

If radiological contamination is a concern, additional monitoring requirements may be necessary per consultation with appropriate DEC/NYSDOH staff.

Continuous monitoring will be required for all ground intrusive activities and during the demolition of contaminated or potentially contaminated structures. Ground intrusive activities include, but are not limited to, soil/waste excavation and handling, test pitting or trenching, and the installation of soil borings or monitoring wells.

Periodic monitoring for VOCs will be required during non-intrusive activities such as the collection of soil and sediment samples or the collection of groundwater samples from existing monitoring wells. Periodic monitoring during sample collection might reasonably consist of taking a reading upon arrival at a sample location, monitoring while opening a well cap or overturning soil, monitoring during well baling/purging, and taking a reading prior to leaving a sample location. In some instances, depending upon the proximity of potentially exposed individuals, continuous monitoring may be required during sampling activities. Examples of such situations include groundwater sampling at wells on the curb of a busy urban street, in the midst of a public park, or adjacent to a school or residence.

VOC Monitoring, Response Levels, and Actions

Volatile organic compounds (VOCs) must be monitored at the downwind perimeter of the immediate work area (i.e., the exclusion zone) on a continuous basis or as otherwise specified. Upwind concentrations should be measured at the start of each workday and periodically thereafter to establish background conditions, particularly if wind direction changes. The monitoring work should be performed using equipment appropriate to measure the types of contaminants known or suspected to be present. The equipment should be calibrated at least daily for the contaminant(s) of concern or for an appropriate surrogate. The equipment should be capable of calculating 15-minute running average concentrations, which will be compared to the levels specified below.

1. If the ambient air concentration of total organic vapors at the downwind perimeter of the work area or exclusion zone exceeds 5 parts per million (ppm) above background for the 15-minute average, work activities must be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below 5 ppm over background, work activities can resume with continued monitoring.

2. If total organic vapor levels at the downwind perimeter of the work area or exclusion zone persist at levels in excess of 5 ppm over background but less than 25 ppm, work activities must be halted, the source of vapors identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities can resume provided that the total organic vapor level 200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less - but in no case less than 20 feet, is below 5 ppm over background for the 15-minute average.

3. If the organic vapor level is above 25 ppm at the perimeter of the work area, activities must be shutdown.

4. All 15-minute readings must be recorded and be available for State (DEC and NYSDOH) personnel to review. Instantaneous readings, if any, used for decision purposes should also be recorded.

Particulate Monitoring, Response Levels, and Actions

Particulate concentrations should be monitored continuously at the upwind and downwind perimeters of the exclusion zone at temporary particulate monitoring stations. The particulate monitoring should be performed using real-time monitoring equipment capable of measuring particulate matter less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action level. The equipment must be equipped with an audible alarm to indicate exceedance of the action level. In addition, fugitive dust migration should be visually assessed during all work activities.

1. If the downwind PM-10 particulate level is 100 micrograms per cubic meter (mcg/m^3) greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed leaving the work area, then dust suppression techniques must be employed. Work may continue with dust suppression techniques provided that downwind PM-10 particulate levels do not exceed 150 mcg/m^3 above the upwind level and provided that no visible dust is migrating from the work area.

2. If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than 150 mcg/m^3 above the upwind level, work must be stopped and a re-evaluation of activities initiated. Work can resume provided that dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within 150 mcg/m^3 of the upwind level and in preventing visible

dust migration.

3. All readings must be recorded and be available for State (DEC and NYSDOH) and County Health personnel to review.

Special Requirements for Work Within 20 Feet of Potentially Exposed Individuals or Structures

When work areas are within 20 feet of potentially exposed populations or occupied structures, the continuous monitoring locations for VOCs and particulates must reflect the nearest potentially exposed individuals and the location of ventilation system intakes for nearby structures. The use of engineering controls such as vapor/dust barriers, temporary negative-pressure enclosures, or special ventilation devices should be considered to prevent exposures related to the work activities and to control dust and odors.

Consideration should be given to implementing the planned activities when potentially exposed populations are at a minimum, such as during weekends or evening hours in non-residential settings.

If total VOC concentrations opposite the walls of occupied structures or next to intake vents exceed 1 ppm, monitoring should occur within the occupied structure(s). Background readings in the occupied spaces must be taken prior to commencement of the planned work. Any unusual background readings should be discussed with NYSDOH prior to commencement of the work.

If total particulate concentrations opposite the walls of occupied structures or next to intake vents exceed 150 mcg/m^3, work activities should be suspended until controls are implemented and are successful in reducing the total particulate concentration to 150 mcg/m^3 or less at the monitoring point.

Depending upon the nature of contamination and remedial activities, other parameters (e.g., explosivity, oxygen, hydrogen sulfide, carbon monoxide) may also need to be monitored. Response levels and actions should be pre-determined, as necessary, for each site.

Special Requirements for Indoor Work with Occupied Co-Located Residences or Facilities

Unless a self-contained, negative-pressure enclosure with proper emission controls will encompass the work area, all individuals not directly involved with the planned work must be absent from the room in which the work will occur. Monitoring requirements shall be as stated

above under "Special Requirements for Work Within 20 Feet of Potentially Exposed Individuals or Structures" except that in this instance "nearby/occupied structures" would be adjacent occupied rooms. Additionally, the location of all exhaust vents in the room and their discharge points, as well as potential vapor pathways (openings, conduits, etc.) relative to adjoining rooms, should be understood and the monitoring locations established accordingly. In these situations, it is strongly recommended that exhaust fans or other engineering controls be used to create negative air pressure within the work area during remedial activities. Additionally, it is strongly recommended that the planned work be implemented during hours (e.g. weekends or evenings) when building occupancy is at a minimum.

Appendix E

NYSDOH Air Quality Inventory and Building Questionnaire

NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH

This form must be completed for each residence involved in indoor air testing.

Preparer's Name _____ Date/Time Prepared _____

Preparer's Affiliation _____ Phone No._____

Purpose of Investigation_____

1. OCCUPANT:

Interviewed: Y / N

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

Number of Occupants/persons at this location _____ Age of Occupants _____

2. OWNER OR LANDLORD: (Check if same as occupant ___)

Interviewed: Y / N

Last Name: _____First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential	School	Commercial/Multi-use
Industrial	Church	Other: _____

If the property is residential, type? (Circle appropriate response)

Ranch	2-Family	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
Duplex	Apartment House	Townhouses/Condos
Modular	Log Home	Other:_____

If multiple units, how many? _____

If the property is commercial, type?

Business Type(s) _____

Does it include residences (i.e., multi-use)? Y / N If yes, how many? _____

Other characteristics:

Number of floors_____ Building age_____

Is the building insulated? Y / N How air tight? Tight / Average / Not Tight

4. AIRFLOW

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors

_____

_____

_____

Airflow near source

_____

_____

_____

Outdoor air infiltration

_____

_____

_____

Infiltration into air ducts

_____

_____

_____

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply)

a. Above grade construction:	wood frame	concrete	stone	brick
b. Basement type:	full	crawlspace	slab	other _____
c. Basement floor:	concrete	dirt	stone	other _____
d. Basement floor:	uncovered	covered	covered with _____	
e. Concrete floor:	unsealed	sealed	sealed with _____	
f. Foundation walls:	poured	block	stone	other _____
g. Foundation walls:	unsealed	sealed	sealed with _____	
h. The basement is:	wet	damp	dry	moldy
i. The basement is:	finished	unfinished	partially finished	
j. Sump present?	Y / N			
k. Water in sump?	Y / N / not applicable			

Basement/Lowest level depth below grade: _____(feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

_____

_____

6. HEATING, VENTING and AIR CONDITIONING (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

Hot air circulation	Heat pump	Hot water baseboard	
Space Heaters	Steam radiation	Radiant floor	
Electric baseboard	Wood stove	Outdoor wood boiler	Other _____

The primary type of fuel used is:

Natural Gas	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: _____

Boiler/furnace located in:	Basement	Outdoors	Main Floor	Other_____
Air conditioning:	Central Air	Window units	Open Windows	None

Are there air distribution ducts present? Y / N

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

_____

_____

_____

_____

7. OCCUPANCY

Is basement/lowest level occupied? Full-time Occasionally Seldom Almost Never

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	_____
1st Floor	_____
2nd Floor	_____
3rd Floor	_____
4th Floor	_____

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? Y / N

b. Does the garage have a separate heating unit? Y / N / NA

c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) Y / N / NA Please specify_____

d. Has the building ever had a fire? Y / N When?_____

e. Is a kerosene or unvented gas space heater present? Y / N Where? _____

f. Is there a workshop or hobby/craft area? Y / N Where & Type? _____

g. Is there smoking in the building? Y / N How frequently? _____

h. Have cleaning products been used recently? Y / N When & Type? _____

i. Have cosmetic products been used recently? Y / N When & Type? _____

j. Has painting/staining been done in the last 6 months? Y / N Where & When? _____

k. Is there new carpet, drapes or other textiles? Y / N Where & When? _____

l. Have air fresheners been used recently? Y / N When & Type? _____

m. Is there a kitchen exhaust fan? Y / N If yes, where vented?_____

n. Is there a bathroom exhaust fan? Y / N If yes, where vented?_____

o. Is there a clothes dryer? Y / N If yes, is it vented outside? Y / N

p. Has there been a pesticide application? Y / N When & Type?_____

Are there odors in the building? Y / N
If yes, please describe: _____

Do any of the building occupants use solvents at work? Y / N
(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist)

If yes, what types of solvents are used? _____

If yes, are their clothes washed at work? Y / N

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

Yes, use dry-cleaning regularly (weekly) No
Yes, use dry-cleaning infrequently (monthly or less) Unknown
Yes, work at a dry-cleaning service

Is there a radon mitigation system for the building/structure? Y / N Date of Installation: _____
Is the system active or passive? Active/Passive

9. WATER AND SEWAGE

Water Supply: Public Water Drilled Well Driven Well Dug Well Other: _____

Sewage Disposal: Public Sewer Septic Tank Leach Field Dry Well Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: _____

b. Residents choose to: remain in home relocate to friends/family relocate to hotel/motel

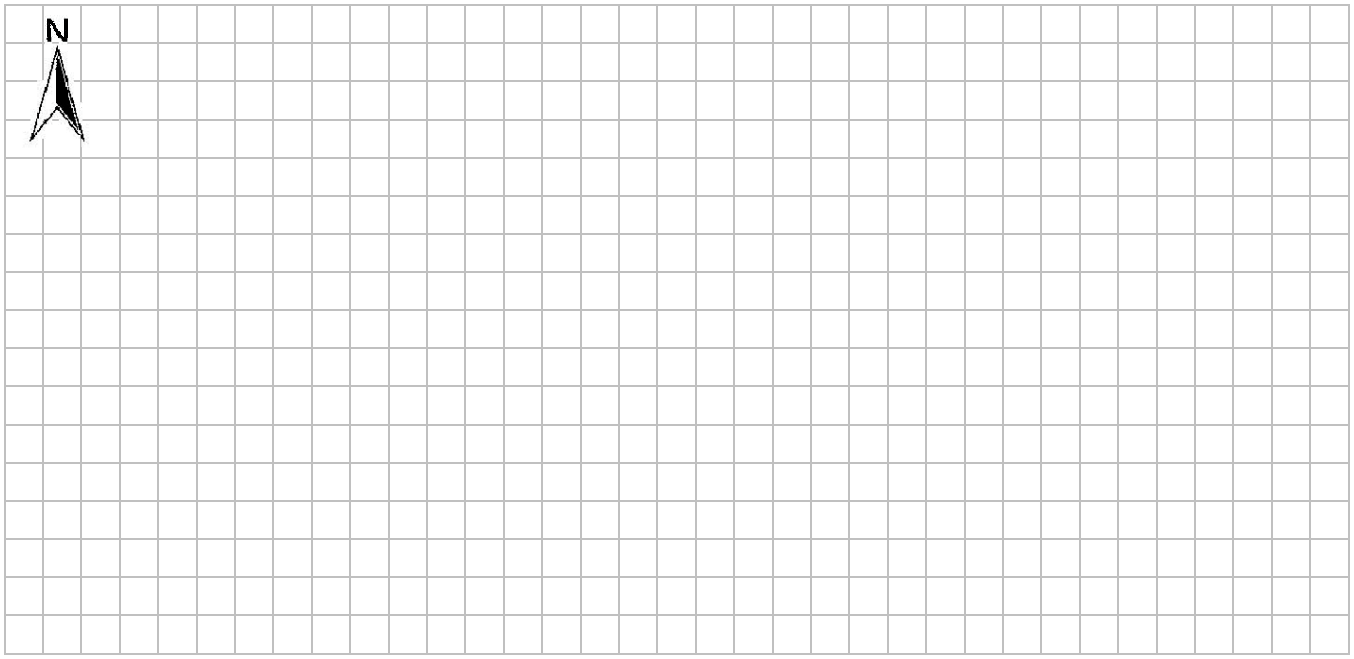
c. Responsibility for costs associated with reimbursement explained? Y / N

d. Relocation package provided and explained to residents? Y / N

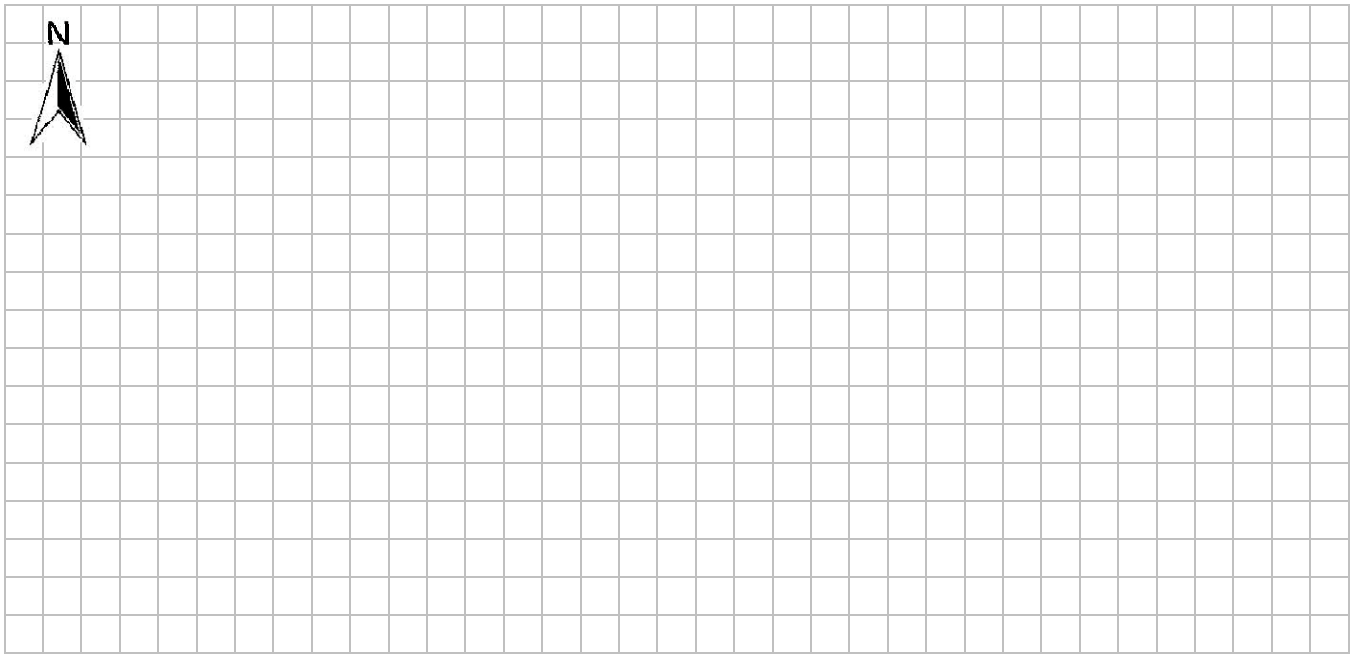
11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:



First Floor:



12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.

13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: _____

List specific products found in the residence that have the potential to affect indoor air quality.

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo ** Y / N

* Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D)**
** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

Appendix F
Project Staff Resumes

Alana M. Carroll, PG
Senior Project Manager

PROFESSIONAL PROFILE

Ms. Alana Carroll is a professional geologist with experience managing a variety of environmental consulting projects in the New York metropolitan area and specializing in remedial investigations, conceptual site modeling, and remedial design and implementation. She provides analytical, technical, and regulatory guidance to clients, including developers and environmental attorneys, on a variety of projects in various stages of investigation, remediation, and redevelopment. Ms. Carroll has managed projects from inception through investigation, remediation, and closure in the New York State Brownfield Cleanup Program, the New York State Department of Environmental Conservation (NYSDEC) Spills and Voluntary Cleanup Programs, the New York State Superfund Program, and the New York City E-Designation Program.

CREDENTIALS AND PROFESSIONAL HONORS

New York State Licensed Professional Geologist #000979
Adjunct Professor, Manhattan College, School of Engineering
M.A., Earth and Environmental Sciences, Brooklyn College, New York
B.S., Geology, Hofstra University, Uniondale, New York

CONTINUING EDUCATION AND TRAINING

OSHA 10-Hour Construction Training (2015)
Hazardous Waste Operations and Emergency Response 40-Hour Certification
(2004; refreshers 2005, 2006, 2007, 2009, 2010, 2011, 2012, 2013, 2014, and 2015)
First Aid and CPR Certified (2012)
Amtrak Contractor Safety Training (2010 and 2011)

PROFESSIONAL AFFILIATIONS

Member of Geologic Society of America
Member of New Partners for Community Revitalization

RELEVANT EXPERIENCE

New York State Brownfield Cleanup Program, Former West 18th Street MGP Site, Block 690, Lots 20 and 29, West Chelsea, Manhattan, New York—Successfully guided the client into the Brownfield Cleanup Program at the remediation stage. Prepared detailed remedial cost estimates for several redevelopment scenarios. Assisted in negotiating cleanup costs on behalf of the developer with the entity responsible for onsite contamination from former manufactured gas plant (MGP) operations. Designed and managed a pre-design investigation that delineated onsite coal tar impacts and differentiated petroleum impacts. Served on a team that designed an *in situ* stabilization treatability study. Prepared the Remedial Action Work Plan and Alternatives Analysis that included the excavation and removal of coal tar source material within two MGP gas holders and the encapsulation of residual coal tar. Performed an essential role on the construction and design team, coordinating with the structural, foundation, mechanical, and architectural contractors.

New York State Brownfield Cleanup Program, 520 West 28th Street, West Chelsea, Manhattan, New York—Managed several investigations to address New York State Spills, New York City E-Designation, and New York State Brownfield Cleanup programs. Prepared scopes of work to address requirements of both State and City regulatory agencies. Served as an essential member of the construction and design team, coordinating with the structural, foundation, mechanical, and architectural contractors. Managed access with adjacent property owners for full-scale excavation. Coordinated with State and City agencies for the satisfaction of air, noise, and hazardous waste requirements. Coordinated and managed the characterization and disposal of over 35,000 tons of hazardous material and historic fill. Designed and managed the remedial action necessary to obtain a successful Track 1 Cleanup. Assisted in negotiating a nuanced approach to support excavation that allowed for a Track 1 Cleanup. Prepared the final engineering report that expedited the certificate of completion.

New York State Brownfield Cleanup Program, Teitelbaum Dry Cleaner, Long Island City, New York—Designed and managed multiple onsite and offsite investigations to address NYSDEC and New York State Department of Health (NYSDOH) regulatory requirements with respect to chlorinated solvent impacts to groundwater and soil vapor. Designed and managed chlorinated solvent plume delineation and remediation in both groundwater and soil vapor. Prepared a technical memorandum on the fate and transport of the onsite chlorinated solvent groundwater plume that established limited liability for downgradient impacts and identified a secondary source. Coordinated with multiple adjacent parties for access. Designed a remedial approach for the site building that included source removal, groundwater injection, and a retro-fitted sub-slab depressurization system (SSDS).

Confidential Project, Steuben County, NY—Performed a forensic review and analysis of environmental records associated with five parcels of land that the State deemed as illegal solid waste dumps. Prepared and presented two technical arguments to NYSDEC and NYSDOH detailing illegal dumping, historic fill material, human health exposure pathways, bioavailability of historic fill constituents and remedial alternatives. Designed a full-scale remedial investigation of soil, groundwater and sediments for five parcels of historically industrial land.

New York City Voluntary Cleanup Program, Gallery Row, West Chelsea, Manhattan, New York—Managed multiple investigations over five tax lots to address New York City E-Designation and Voluntary Cleanup Program requirements. Designed a remedial action that incorporates a phased and targeted excavation below Highline Park. Coordinated with State and City agencies for the satisfaction of air, noise, and hazardous waste requirements. Served as an integral part of the construction and design team.

New York State Brownfield Cleanup Program, Former Nu-Brite Dry Cleaner, 1299 First Avenue, East Side, Manhattan, New York—Designed and managed multiple investigations to address onsite chlorinated solvent impacts to soil, groundwater, and soil vapor. Site challenges included investigation and remedial action within existing, occupied building sites. Designed and managed a bedrock fracture investigation to address potential impacts to bedrock. Designed and managed offsite delineation of chlorinated solvent plume in soil vapor. Directed multiple offsite soil vapor investigations within adjacent properties; assisted in negotiating several nuanced access agreements. Managed an onsite interim remedial measure including the installation of a retro coat vapor barrier and retro-fitted SSDS within the site building.

New York State Brownfield Cleanup Program, 34th Street and 42nd Street, West Side, Manhattan, New York—Designed and managed multiple investigations to address New York State Spills and Brownfield Cleanup programs. Prepared scopes of work to address requirements of both state regulations and those agreed to by the former owner. Coordinated

with NYSDEC to modify scopes based on field observations and limitations, which resulted in not having to mobilize for additional investigations. Coordinated with multiple entities for access to perform investigations, including Javits Convention Center, Amtrak, New York City Department of Transportation, Metropolitan Transit Authority, and their contractors. Developed a three-phase analysis plan with the laboratory to determine the minimum required extent of excavation next to an Amtrak line while limiting analytical costs, decreasing in the extent of excavation, and lowering disposal and structural support requirement costs.

New York State Brownfield Cleanup Program, 388 Bridge Street, Downtown Brooklyn, New York—Designed and managed all onsite and offsite investigations of soil, soil gas, groundwater, and indoor air, including coordination of staff and subcontractors. Prepared investigation reports for submittal to client, project team, NYSDEC, and NYSDOH. Participated in project team decision making with clients, lawyers, construction manager, and other consultants. Managed New York City Transit approvals for subsurface investigations near subway lines. Coordinated offsite access in residences, commercial spaces, and a private school. Participated in soil vapor extraction pilot test implementation and reporting. Assisted with implementation of an offsite SSDS in an existing building; activities included system design/layout, installation oversight, testing, and long-term operation and maintenance. Responsible for NYSDEC/NYSDOH coordination and reporting for all investigations. Tracked project activities for inclusion in NYSDEC/NYSDOH programmatic submittals, including monthly reports and remedial schedules.

New York Department of Environmental Remediation, Class 2 State Superfund, Laurel Hill Site, Queens, New York—Managed multiphase, multiparcel project involving design, installation, and ongoing operation, maintenance, and monitoring of six remedial caps. Site challenges included the division of the site into individual parcels that were independent of one another; subsequently, each parcel had a stormwater management design individual to the surrounding parcels. Other challenges included the site's position in a wetlands area fronting Newtown Creek, and working with the New York City Department of Transportation to facilitate its schedule for the adjacent Kosciusko Bridge restoration.

New York State Brownfield Cleanup Program, Willets Point Development, Queens, New York—Managed the Brownfield Cleanup Program application and Phase I environmental site assessment effort for 45 parcels of industrialized land. Coordinated with multiple interested parties, including New York City Department of Housing Preservation and Development and the Economic Development Corporation for access and contracting.

New York State Brownfield Cleanup Program, Uniforms for Industry, Queens, New York—Designed and managed an alternative approach to the offsite soil vapor intrusion investigation. Utilized soil vapor modeling to evaluate potential human health risks and migration probabilities. Provided support for the design of a retrofitted passive venting system.

New York State Spills Program, Gotham Center, Queens, New York—Responsible for proposal and budget development, subcontractor selection and coordination, negotiation, and preparation of subcontractor terms and agreements, budget, and invoice review for a comprehensive subsurface investigation. Prepared and implemented scope of work for delineation of soil contamination and calculation of contaminant mass estimates. Subsequent to interpretation of site data and subgrade characteristics, developed and presented remedial alternatives and associated costs for internal and client project teams. Prepared remedial investigation report in coordination with the New York City Economic Development Corporation and the client for submittal to state regulators.

Mohamed Ahmed, Ph.D., C.P.G.
Sr. Geologist/Principal

Experience Summary

Mohamed Ahmed is a certified professional geologist with nearly 23 years of experience in the New York City metropolitan area. He has designed and implemented subsurface investigations and is proficient in groundwater modeling, design of groundwater treatment systems and soil remediation. He has managed numerous projects focused on compliance with the New York State Brownfield Cleanup and Spills programs and the New York City "e" designation program. Dr. Ahmed also has extensive experience in conducting regulatory negotiations with the New York State Department of Environmental Conservation, the NYC Office of Housing Preservation and Development, and the Mayor's Office of Environmental Remediation.

Selected Project Experience

Willoughby Square, Downtown Brooklyn
As Project Manager, directs all regulatory interaction and investigation on this joint public-private sector redevelopment that will include a public park and four-level underground parking garage. Prepared the remedial investigation work plan and remedial action work plan, conducted investigation activities and waste characterization, and negotiated with the NYC Department of Environmental Protection and the Mayor's Office of Environmental Remediation to transition the site into the NYC Voluntary Cleanup Program.

School Facility, Borough Park, Brooklyn
Managed all regulatory agency coordination, work plan and report preparation and remedial oversight; worked with OER to determine measures to retroactively address the hazardous materials and air quality E-designations on a previously constructed school building and prepared supporting documentation to justify the use of electrical units rather than natural gas.

LGA Hotel Site, East Elmhurst, Queens
Project manager for all work conducted at this former gasoline service station which is being remediated under the NYS Brownfield Cleanup Program; technical oversight of work plans, reports, and design and implementation of field and soil disposal characterization.

436 10th Avenue, Manhattan
As project manager and technical lead, assisted client in developing remedial cost estimates used for property transaction, developed regulatory strategy to address NYS Spills and NYC E-designation requirements, and currently overseeing remedial activities which include removal and disposal of petroleum-contaminated bedrock and dewatering and disposal of impacted groundwater.

Brownfield Cleanup Program Site, Downtown Brooklyn
Managed investigation and remediation under the BCP program for a proposed mixed-use development; designed the remedial investigation and prepared the remedial action work plan which includes an SVE system monitored natural attenuation. Prepared remedial cost

estimates for several scenarios. The project will include a 53-story mixed-use structure and parking garage.

Queens West Development, Long Island City
Directed project team and subcontractors for soil investigation/remediation studies on multiple properties; provided technical support for negotiations with NYSDEC during investigation and remediation.

Former Creosote Site, Long Island City
Designed and implemented a complex investigation to assess the nature and extent of historic creosote contamination at this former industrial site; conducted studies to optimize recovery of LNAPL and DNAPL and developed strategies using bioremediation and natural attenuation in conjunction with conventional remedial approaches. Performed pilot tests for soil vapor extraction system design and coordinated with NYSDEC and NYSDOH to implement sub-slab soil vapor sampling.

NYSDEC Spill Site – Far West Side, Manhattan
Developed a detailed remedial cost estimate for to support client negotiations with a major oil company. The estimate included costs pertaining to: chipping, removal and disposal of petroleum-impacted bedrock; removal/disposal of recycled concrete; costs for dewatering and disposal of impacted groundwater during construction; and design and installation of a vapor barrier below the redevelopment.

Active Industrial Facility, Newburgh, New York
Designed remedial investigation of soil and groundwater contaminated with trichloroethane; performed soil vapor pilot test and pump test to aid in design of soil and groundwater remediation alternatives; conducted sub-slab vapor sampling in accordance with NYSDOH guidance.

Former Dry Cleaning Facility, New York City
Conducted soil and groundwater investigations, designed and installed a soil vapor extraction system and performed extensive testing of indoor air. Negotiated the scope of the RI and IRM with NYSDEC.

Waterfront Redevelopment, Yonkers, NY
Designed and performed geophysics survey of six parcels to determine locations of subsurface features; supervised test pit excavation to confirm geophysics results and evaluate and classify soil conditions prior to development activities.

Prince's Point, Staten Island, New York
Performed soil, groundwater and sediment sampling to delineate the extent of contamination; used field-screening techniques to control analytical costs and supervised soil excavation and disposal.

Apartment Complex, New York City, New York
Coordinated with Con Edison, the owner of the adjacent property and NYSDEC to determine oil recovery protocol; assessed hydrogeological conditions and conducted pilot tests to design cost-effective recovery system; designed and supervised installation of recovery system.

Publications

"Impact of Toxic Waste Dumping on the Submarine Environment: A Case Study from the New York Bight". Northeastern Geology and Environmental Sciences, V. 21, No. 12, p. 102-120. (With G. Friedman)

Metals Fluxes Across the Water/Sediment Interface and the Influence of pH. Northeastern Geology and Environmental Sciences, in press. (With G. Friedman)

"Water and Organic Waste Near Dumping Ground in the New York Bight". International Journal of Coal Geology, volume 43. (With G. Friedman)

Education and Certifications

Ph.D., Earth and Environmental Sciences, Graduate Center of the City of New York (2001)
M.Ph., Earth and Environmental Sciences, City University of New York (1998)
M.A. Geology, Brooklyn College (1993)
B.S. Geology, Alexandria University, Egypt (1982)

American Institute of Professional Geologists, Certified Professional Geologist, 1997-2015

Matthew Carroll, P.E.
Environmental Engineer/Principal

Experience Summary

Matthew Carroll is an environmental engineer experienced in all aspects of site assessment and development and implementation of remedial strategies. He has managed projects from inception through investigation, remediation and closure. His expertise includes soil, soil gas, and groundwater remediation, preparation of cost estimates, remedial alternative selection and design, soil characterization for disposal, field safety oversight, and preparation of work plans and reports to satisfy New York and New Jersey state requirements, and New York City "e" designation and restrictive declarations. Mr. Carroll's project management experience includes past management of a New York City School Construction Authority hazardous materials contract. He is responsible for all engineering work performed by Tenen and is currently the project manager and remedial engineer for several New York State Brownfield Cleanup Program sites.

Selected Project Experience

470 Kent Avenue, Brooklyn
As project manager, supported the client in due diligence and transactional activities, including a Phase I ESA, preliminary site investigation, and remedial cost estimate; preparation of BCP application and remedial investigation work plan. The former manufactured gas plant, sugar refinery and lumberyard will be developed as a mixed-use project with market rate and affordable housing and public waterfront access. As remedial engineer, will be responsible for development of remedial alternatives and oversight and certification of all remedial activities.

500 Exterior Street, Bronx
Designed and implemented the investigation of this former lumberyard and auto repair shop that will be redeveloped as mixed use development with an affordable housing component; prepared BCP application and subsequent work plans and reports. Designed a remedial strategy incorporating both interim remedial measures (IRMs) and remediation during the development phase.

Gateway Elton I and II, Brooklyn
Conducted soil disposal characterization, prepared Remedial Action Work Plans and designed methane mitigation systems for two phases of a nine-building residential development and commercial space; prepared and oversaw implementation of a Stormwater Pollution Prevention Plan during construction and prepared and certified the remedial closure reports for the project.

Affordable Housing Development, Rye, NY
Consultant to the City of Rye on environmental issues pertaining to a county-owned development site slated for an afford senior housing; reviewed environmental documentation for the project and prepared summary memorandum for City Council review; recommended engineering controls to address potential exposure to petroleum constituents, presented report findings at public meetings and currently providing ongoing environmental support during project implementation.

Queens West Development BCP Site, Long Island City, New York
Assistant Project Manager for two developers involved in the site.

- Responsible for oversight of remediation under the New York State Brownfield Cleanup Program
- Technical review of work plans and reports and coordination of the Applicant's investigation and oversight efforts
- Provided input for mass calculations and well placement for an in-situ oxidation remedy implemented on a proposed development parcel and within a City street
- Conducted technical review of work pertaining to a former refinery. Documents reviewed included work plans for characterization and contaminant delineation; pilot test (chemical oxidation); remediation (excavation and groundwater treatment). Managed field personnel conducting full time oversight and prepared progress summaries for distribution to project team
- Following implementation of remedial action, implemented the Site Management Plan and installation/design of engineering controls (SSDS, vapor barrier/concrete slab, NAPL recovery). Also responsible for coordination with NYSDEC

Brownfield Cleanup Program Redevelopment Sites – West Side, New York City
Managed remediation of a development consisting of four parcels being addressed under one or more State and city regulatory programs (NYS Brownfield Cleanup Program, NYS Spills, and NYC "e" designation program). Remediation includes soil removal, screening and disposal; treatment of groundwater during construction dewatering and implementation of a worker health and safety plan and community air monitoring plan (HASP/CAMP)

Managed an additional BCP site, supported the Applicant in coordination with MTA to create station access for the planned No. 7 subway extension; also provided support the client in coordination with Amtrak to obtain access for remedial activities on the portion of the site that is within an Amtrak easement. The site will eventually be used for construction of a mixed-use high-rise building.

BCP Site, Downtown Brooklyn, New York
Performed investigation on off-site properties and designed an SSDS for an adjacent building, retrofitting the system within the constraints of the existing structure; coordinated the installation of the indoor HVAC controls and vapor barrier; provided input to the design of a SVE system to address soil vapor issues on the site.

West Chelsea Brownfield Cleanup Program Site
Designed an in-situ remediation program and sub-slab depressurization system to address contamination remaining under the High Line Viaduct; SSDS design included specification of sub-grade components, fan modeling and selection, identifying exhaust location within building constraints and performance modeling; prepared the Operations Maintenance and Monitoring Plan and Site Management Plan sections pertaining to the SSDS.

Historic Creosote Spill Remediation – Queens, New York – New York State Voluntary Cleanup Program
Modeled contamination volume and extent and prepared mass estimates of historic fill constituents and creosote-related contamination; designed a soil vapor extraction (SVE) and dewatering system to address historic creosote release both above and below static

water table; coordinated with the Metropolitan Transit Authority and prepared drawings to secure approval to drill in the area of MTA subway tunnels.

NYSDEC Spill Site– Far West Side, Manhattan
Provided support to client during negotiations with a major oil company regarding allocation of remedial costs. Worked with client's attorney to develop a regulatory strategy to address the client's obligations under the NYSDEC Spills Program and the New York City "e" designation requirements.

Affordable Housing Site, Brooklyn, New York
Modified prior work plans for soil, soil vapor and groundwater investigation to address requirements for site entry into the New York City Brownfield Cleanup Program. Prepared technical basis for use of prior data previously disallowed by OER. Currently conducting site investigation.

New York City School Construction Authority Hazardous Materials Contract
Provided work scopes and cost estimates, managed and implemented concurrent projects, including Phase I site assessments, Phase II soil, groundwater and soil gas investigations, review of contractor bid documents, preparation of SEQR documents, specifications and field oversight for above- and underground storage tank removal, and emergency response and spill control.

Former Manufacturing Facility, Hoboken, New Jersey
Evaluated site investigation data to support a revision of the current property use to unrestricted; modified the John & Ettinger vapor intrusion model to apply the model to a site-specific, mixed use commercial/residential development; implemented a Remedial Action Work Plan that included the characterization, removal and separation of 9,500 cubic yards of historic fill; designed and implemented a groundwater characterization/delineation program using a real-time Triad approach; designed and implemented an innovative chemical oxidation technology for the property.

F**ormer Varnish Manufacturer – Newark, New Jersey**
Prepared a Phase I environmental site assessment; implemented soil and groundwater sampling to assess presence of petroleum and chlorinated compounds; prepared alternate cost remediation scenarios for settlement purposes and implemented a groundwater investigation plan, including pump tests and piezometer installation to assess the effect of subsurface utilities and unique drainage pathways upon contaminant transport.

Education and Certifications

Professional Engineer, New York
Bachelor of Engineering, Environmental; Stevens Institute of Technology, 2002
Bachelor of Science, Chemistry, New York University, 2002
Technical and Regulatory Training in Underground Storage Tanks, Cook College, Rutgers University, 2006

Appendix B
Laboratory Data Packages
Data Usability Summary Reports

ANALYTICAL REPORT

Lab Number:	L2107354
Client:	Tenen Environmental, LLC 121 West 27th Street Suite 702 New York City, NY 10001
ATTN:	Alana Carroll
Phone:	(646) 606-2332
Project Name:	2921 WESTCHESTER AVENUE
Project Number:	2921 WESTCHESTER AVE
Report Date:	02/26/21

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Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2107354-01	SB-1 (0-1)	SOIL	BRONX, NY	02/15/21 14:15	02/16/21
L2107354-02	SB-1 (1-2)	SOIL	BRONX, NY	02/15/21 14:20	02/16/21
L2107354-03	SB-1 (2-3)	SOIL	BRONX, NY	02/15/21 14:25	02/16/21
L2107354-04	SB-2 (0-2)	SOIL	BRONX, NY	02/15/21 10:05	02/16/21
L2107354-05	SB-2 (2-3)	SOIL	BRONX, NY	02/15/21 10:10	02/16/21
L2107354-06	SB-3 (0-2)	SOIL	BRONX, NY	02/15/21 11:30	02/16/21
L2107354-07	SB-3 (0-2)_DUP	SOIL	BRONX, NY	02/15/21 11:40	02/16/21
L2107354-08	SB-3 (2-3)	SOIL	BRONX, NY	02/15/21 11:35	02/16/21
L2107354-09	SB-4 (0-1)	SOIL	BRONX, NY	02/15/21 13:45	02/16/21
L2107354-10	SB-4 (1-2)	SOIL	BRONX, NY	02/15/21 13:50	02/16/21
L2107354-11	SB-4 (2-3)	SOIL	BRONX, NY	02/15/21 13:55	02/16/21
L2107354-12	SB-5 (0-1)	SOIL	BRONX, NY	02/15/21 14:45	02/16/21
L2107354-13	SB-5 (1-2)	SOIL	BRONX, NY	02/15/21 14:50	02/16/21
L2107354-14	SB-5 (2-3)	SOIL	BRONX, NY	02/15/21 14:55	02/16/21
L2107354-15	SB-6 (0-1)	SOIL	BRONX, NY	02/15/21 15:00	02/16/21
L2107354-16	SB-6 (1-2)	SOIL	BRONX, NY	02/15/21 15:05	02/16/21
L2107354-17	SB-6 (2-3)	SOIL	BRONX, NY	02/15/21 15:10	02/16/21
L2107354-18	SB-7 (0-1)	SOIL	BRONX, NY	02/15/21 14:00	02/16/21
L2107354-19	SB-7 (1-2)	SOIL	BRONX, NY	02/15/21 14:05	02/16/21
L2107354-20	SB-7 (2-3)	SOIL	BRONX, NY	02/15/21 14:10	02/16/21
L2107354-21	SB-8 (0-1)	SOIL	BRONX, NY	02/15/21 13:20	02/16/21
L2107354-22	SB-8 (1-2)	SOIL	BRONX, NY	02/15/21 13:25	02/16/21
L2107354-23	SB-8 (2-3)	SOIL	BRONX, NY	02/15/21 13:30	02/16/21
L2107354-24	SB-9 (0-1)	SOIL	BRONX, NY	02/15/21 15:30	02/16/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2107354-25	SB-9 (1-2)	SOIL	BRONX, NY	02/15/21 15:35	02/16/21
L2107354-26	SB-9 (2-3)	SOIL	BRONX, NY	02/15/21 15:40	02/16/21
L2107354-27	SB-11 (0-2)	SOIL	BRONX, NY	02/15/21 11:55	02/16/21
L2107354-28	SB-11 (2-3)	SOIL	BRONX, NY	02/15/21 12:00	02/16/21
L2107354-29	SB-12 (0-2)	SOIL	BRONX, NY	02/15/21 11:10	02/16/21
L2107354-30	SB-12 (0-2)_DUP	SOIL	BRONX, NY	02/15/21 11:20	02/16/21
L2107354-31	SB-12 (2-3)	SOIL	BRONX, NY	02/15/21 11:15	02/16/21
L2107354-32	SB-13 (0-2)	SOIL	BRONX, NY	02/15/21 10:20	02/16/21
L2107354-33	SB-13 (2-3)	SOIL	BRONX, NY	02/15/21 10:25	02/16/21
L2107354-34	SB-14 (0-1)	SOIL	BRONX, NY	02/15/21 15:55	02/16/21
L2107354-35	SB-14 (1-2)	SOIL	BRONX, NY	02/15/21 16:00	02/16/21
L2107354-36	SB-14 (2-3)	SOIL	BRONX, NY	02/15/21 16:05	02/16/21
L2107354-37	SB-15 (0-1)	SOIL	BRONX, NY	02/15/21 16:10	02/16/21
L2107354-38	SB-15 (1-2)	SOIL	BRONX, NY	02/15/21 16:15	02/16/21
L2107354-39	SB-15 (2-3)	SOIL	BRONX, NY	02/15/21 16:20	02/16/21
L2107354-40	FIELD BLANK 1	WATER	BRONX, NY	02/15/21 16:30	02/16/21
L2107354-41	SB-10 (2.5-4.5)	SOIL	BRONX, NY	02/16/21 10:30	02/16/21
L2107354-42	FIELD BLANK 2	WATER	BRONX, NY	02/16/21 09:20	02/16/21
L2107354-43	TRIP BLANK	TRIP BLANK (AQUEOUS)	BRONX, NY	02/15/21 00:00	02/16/21

Project Name:	2921 WESTCHESTER AVENUE	**Lab Number:**	L2107354
Project Number:	2921 WESTCHESTER AVE	**Report Date:**	02/26/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	2921 WESTCHESTER AVENUE	**Lab Number:**	L2107354
Project Number:	2921 WESTCHESTER AVE	**Report Date:**	02/26/21

Case Narrative (continued)

Report Submission

February 26, 2021: This final report includes the results of all requested analyses.

February 23, 2021: This is a preliminary report.

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

Volatile Organics

L2107354-10, -19, and -22: The sample was analyzed as a High Level Methanol based upon screen results. The sample was then analyzed as a Low Level in order to achieve lower reporting limits. The results of both analyses are reported. Differences were noted between the results of the analyses which have been attributed to vial discrepancies.

L2107354-13 and -14: The sample was analyzed as a High Level Methanol in order to quantitate results within the calibration range. The result should be considered estimated, and is qualified with an E flag, for any compound that exceeded the calibration on the initial Low Level analysis. The results of both analyses are reported. Differences were noted between the results of the analyses which have been attributed to sample non-homogeneity.

Semivolatile Organics

The WG1465666-4/-5 MS/MSD recoveries, performed on L2107354-27, are below the acceptance criteria for 2,4-dinitrophenol (0%/0%), 4,6-dinitro-o-cresol (0%/0%), and benzoic acid (0%/0%) due to the concentrations of these compounds in the MS/MSD falling below the reported detection limits.

The WG1465666-6/-7 MS/MSD recoveries, performed on L2107354-32, are below the acceptance criteria for benzoic acid (0%/0%) due to the concentration of this compound in the MS/MSD falling below the reported detection limit.

Case Narrative (continued)

Perfluorinated Alkyl Acids by Isotope Dilution

L2107354-01, -20RE, -24RE, -29, -40, WG1465572-2, WG1465593-2, and WG1466766-2: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

L2107354-17, -20RE, and -28: The MeOH fraction of the extraction is reported for Perfluorooctanesulfonamide (FOSA) due to better extraction efficiency of the M8FOSA Surrogate (Extracted Internal Standard).

L2107354-20RE and -24RE: The sample was re-extracted within holding time due to QC failures in the original extraction. The results of the re-extraction are reported.

The WG1465648-2 LCS recoveries, associated with L2107354-22, -23, and -26 through -33, are above the acceptance criteria for perfluoropentanesulfonic acid (pfpes) (136%), 1h,1h,2h,2h-perfluorooctanesulfonic acid (6:2fts) (172%), and perfluorotridecanoic acid (pftrda) (143%); however, the associated samples are non-detect to the RL for these target analytes. The results of the original analysis are reported.

The WG1465648-3/-4 MS/MSD recoveries, performed on L2107354-27, are outside the acceptance criteria for perfluorohexanesulfonic acid (pfhxs) (133%/134%), n-ethyl perfluorooctanesulfonamidoacetic acid (netfosaa) (MS 148%), and perfluorotridecanoic acid (pftrda) (145%/144%).

The WG1465648-5/-6 MS/MSD recoveries, performed on L2107354-32, are outside the acceptance criteria for perfluorohexanesulfonic acid (pfhxs) (MSD 146%) and perfluorotridecanoic acid (pftrda) (143%/147%).

PCBs

L2107354-40: The Field Blank has a concentration above the reporting limit forAroclor 1260. 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.

Pesticides

L2107354-04: The internal standard (IS) response for 1-bromo-2-nitrobenzene (620%) was above the acceptance criteria on column A; however, the sample was not re-analyzed due to obvious interferences. The

Case Narrative (continued)

surrogate recovery is outside the method acceptance criteria for decachlorobiphenyl (16%) due to interference with the Internal Standard.
L2107354-06: The internal standard (IS) response for 1-bromo-2-nitrobenzene (597%) was above the acceptance criteria on column A; however, the sample was not re-analyzed due to obvious interferences. The surrogate recoveries are outside the method acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (26%) and decachlorobiphenyl (18%) due to interference with the Internal Standard.
L2107354-29: The internal standard (IS) response for 1-bromo-2-nitrobenzene (389%) was above the acceptance criteria on column A; however, the sample was not re-analyzed due to obvious interferences. The surrogate recovery is outside the method acceptance criteria for decachlorobiphenyl (16%) due to interference with the Internal Standard.
L2107354-30: The internal standard (IS) response for 1-bromo-2-nitrobenzene (270%) was above the acceptance criteria on column A; however, the sample was not re-analyzed due to obvious interferences.

Total Metals
L2107354-01, -03 through -08, -10, -11, -13, -14, -16, -17, -19, -20, -22, -23, -24, and -26 through -33:
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 WG1465544-3/-4 MS/MSD recoveries for aluminum (227%/203%), iron (0%/0%),and magnesium (MS 51%), performed on L2107354-32, do not apply because the sample concentrations are greater than four times the spike amounts added.
The WG1465544-3 MS recovery, performed on L2107354-32, is outside the acceptance criteria for manganese (74%). A post digestion spike was performed and was within acceptance criteria.
The WG1465687-3/-4 MS/MSD recoveries for aluminum (1060%/726%), calcium (191%/0%), and iron (2480%/3450%), performed on L2107354-27, do not apply because the sample concentrations are greater than four times the spike amounts added.
The WG1465687-3/-4 MS/MSD recoveries, performed on L2107354-27, are outside the acceptance criteria for chromium (150%/307%), copper (20%/41%), lead (0%/0%), magnesium (308%/373%), manganese

Case Narrative (continued)

(168%/173%), nickel (MSD 155%), and zinc (MS 64%). A post digestion spike was performed and was within acceptance criteria.
The WG1465687-3/-4 MS/MSD recoveries, performed on L2107354-27, are outside the acceptance criteria for potassium (150%/160%). A post digestion spike was performed and yielded an unacceptable recovery of 127%. The serial dilution recovery was not applicable; therefore, this element fails the matrix test and the result reported in the native sample should be considered estimated.
The WG1465687-3/-4 MS/MSD RPDs for calcium (43%), chromium (46%), and nickel (23%), performed on L2107354-27, are above the acceptance criteria.

Hexavalent Chromium
L2107354-40 was analyzed with the method required holding time exceeded.

Cyanide, Total
The WG1466037-2/-3 LCS/LCSD recoveries for cyanide, total (60%/77%), associated with L2107354-01, -03 through -08, and -10, are outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.
The WG1466039-2/-3 LCS/LCSD recoveries for cyanide, total (60%/77%), associated with L2107354-11, -13, -14, -16, -17, -19, -20, -22, -23, and -27, are outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.
The WG1466156-2/-3 LCS/LCSD recoveries for cyanide, total (65%/64%), associated with L2107354-29, -32, and -33, are outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.
The WG1466157-2/-3 LCS/LCSD recoveries for cyanide, total (65%/64%), associated with L2107354-24, -26, -28, -30, and -31,are outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

Solids, Total

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Case Narrative (continued)

L2107354-01 and -03 through -07: A Laboratory Duplicate was prepared with the sample batch; however, analysis of the native sample was cancelled; therefore, the QC result could not be reported.

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

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative

Date: 02/26/21

ORGANICS

VOLATILES

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-01
Client ID: SB-1 (0-1)
Sample Location: BRONX, NY

Date Collected: 02/15/21 14:15
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 02/19/21 13:55
Analyst: MKS
Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.5	3.0	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.19	1
Chloroform	ND		ug/kg	2.0	0.18	1
Carbon tetrachloride	ND		ug/kg	1.3	0.30	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.16	1
Dibromochloromethane	ND		ug/kg	1.3	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.35	1
Tetrachloroethene	55		ug/kg	0.65	0.26	1
Chlorobenzene	ND		ug/kg	0.65	0.17	1
Trichlorofluoromethane	ND		ug/kg	5.2	0.91	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.34	1
1,1,1-Trichloroethane	ND		ug/kg	0.65	0.22	1
Bromodichloromethane	ND		ug/kg	0.65	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.36	1
cis-1,3-Dichloropropene	ND		ug/kg	0.65	0.21	1
1,3-Dichloropropene, Total	ND		ug/kg	0.65	0.21	1
1,1-Dichloropropene	ND		ug/kg	0.65	0.21	1
Bromoform	ND		ug/kg	5.2	0.32	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.65	0.22	1
Benzene	ND		ug/kg	0.65	0.22	1
Toluene	ND		ug/kg	1.3	0.71	1
Ethylbenzene	ND		ug/kg	1.3	0.18	1
Chloromethane	ND		ug/kg	5.2	1.2	1
Bromomethane	ND		ug/kg	2.6	0.76	1
Vinyl chloride	ND		ug/kg	1.3	0.44	1
Chloroethane	ND		ug/kg	2.6	0.59	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.18	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-01 Date Collected: 02/15/21 14:15

Client ID: SB-1 (0-1) Date Received: 02/16/21

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	9.9		ug/kg	0.65	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	2.6	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	2.6	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	2.6	0.22	1
Methyl tert butyl ether	ND		ug/kg	2.6	0.26	1
p/m-Xylene	ND		ug/kg	2.6	0.73	1
o-Xylene	ND		ug/kg	1.3	0.38	1
Xylenes, Total	ND		ug/kg	1.3	0.38	1
cis-1,2-Dichloroethene	12		ug/kg	1.3	0.23	1
1,2-Dichloroethene, Total	12		ug/kg	1.3	0.18	1
Dibromomethane	ND		ug/kg	2.6	0.31	1
Styrene	ND		ug/kg	1.3	0.26	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	ND		ug/kg	13	6.3	1
Carbon disulfide	ND		ug/kg	13	6.0	1
2-Butanone	ND		ug/kg	13	2.9	1
Vinyl acetate	ND		ug/kg	13	2.8	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.7	1
1,2,3-Trichloropropane	ND		ug/kg	2.6	0.17	1
2-Hexanone	ND		ug/kg	13	1.5	1
Bromochloromethane	ND		ug/kg	2.6	0.27	1
2,2-Dichloropropane	ND		ug/kg	2.6	0.26	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.36	1
1,3-Dichloropropane	ND		ug/kg	2.6	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.65	0.17	1
Bromobenzene	ND		ug/kg	2.6	0.19	1
n-Butylbenzene	ND		ug/kg	1.3	0.22	1
sec-Butylbenzene	ND		ug/kg	1.3	0.19	1
tert-Butylbenzene	ND		ug/kg	2.6	0.15	1
o-Chlorotoluene	ND		ug/kg	2.6	0.25	1
p-Chlorotoluene	ND		ug/kg	2.6	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.9	1.3	1
Hexachlorobutadiene	ND		ug/kg	5.2	0.22	1
Isopropylbenzene	ND		ug/kg	1.3	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.14	1
Naphthalene	ND		ug/kg	5.2	0.85	1
Acrylonitrile	ND		ug/kg	5.2	1.5	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-01 Date Collected: 02/15/21 14:15

Client ID: SB-1 (0-1) Date Received: 02/16/21

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.3	0.22	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.6	0.42	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.6	0.36	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.6	0.25	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.6	0.44	1
1,4-Dioxane	ND		ug/kg	100	46.	1
p-Diethylbenzene	ND		ug/kg	2.6	0.23	1
p-Ethyltoluene	ND		ug/kg	2.6	0.50	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.6	0.25	1
Ethyl ether	ND		ug/kg	2.6	0.45	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.5	1.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	90		70-130

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-03
Client ID: SB-1 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 14:25
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 02/19/21 14:20
Analyst: MKS
Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.4	2.0	1
1,1-Dichloroethane	ND		ug/kg	0.87	0.13	1
Chloroform	ND		ug/kg	1.3	0.12	1
Carbon tetrachloride	ND		ug/kg	0.87	0.20	1
1,2-Dichloropropane	ND		ug/kg	0.87	0.11	1
Dibromochloromethane	ND		ug/kg	0.87	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.87	0.23	1
Tetrachloroethene	3.9		ug/kg	0.44	0.17	1
Chlorobenzene	ND		ug/kg	0.44	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.5	0.60	1
1,2-Dichloroethane	ND		ug/kg	0.87	0.22	1
1,1,1-Trichloroethane	ND		ug/kg	0.44	0.14	1
Bromodichloromethane	ND		ug/kg	0.44	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.87	0.24	1
cis-1,3-Dichloropropene	ND		ug/kg	0.44	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	0.44	0.14	1
1,1-Dichloropropene	ND		ug/kg	0.44	0.14	1
Bromoform	ND		ug/kg	3.5	0.21	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.44	0.14	1
Benzene	ND		ug/kg	0.44	0.14	1
Toluene	ND		ug/kg	0.87	0.47	1
Ethylbenzene	ND		ug/kg	0.87	0.12	1
Chloromethane	ND		ug/kg	3.5	0.81	1
Bromomethane	ND		ug/kg	1.7	0.51	1
Vinyl chloride	ND		ug/kg	0.87	0.29	1
Chloroethane	ND		ug/kg	1.7	0.39	1
1,1-Dichloroethene	ND		ug/kg	0.87	0.21	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	0.12	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-03 Date Collected: 02/15/21 14:25

Client ID: SB-1 (2-3) Date Received: 02/16/21

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.44	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.7	0.12	1
1,3-Dichlorobenzene	ND		ug/kg	1.7	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	1.7	0.15	1
Methyl tert butyl ether	ND		ug/kg	1.7	0.18	1
p/m-Xylene	ND		ug/kg	1.7	0.49	1
o-Xylene	ND		ug/kg	0.87	0.25	1
Xylenes, Total	ND		ug/kg	0.87	0.25	1
cis-1,2-Dichloroethene	ND		ug/kg	0.87	0.15	1
1,2-Dichloroethene, Total	ND		ug/kg	0.87	0.12	1
Dibromomethane	ND		ug/kg	1.7	0.21	1
Styrene	ND		ug/kg	0.87	0.17	1
Dichlorodifluoromethane	ND		ug/kg	8.7	0.80	1
Acetone	11		ug/kg	8.7	4.2	1
Carbon disulfide	ND		ug/kg	8.7	4.0	1
2-Butanone	ND		ug/kg	8.7	1.9	1
Vinyl acetate	ND		ug/kg	8.7	1.9	1
4-Methyl-2-pentanone	ND		ug/kg	8.7	1.1	1
1,2,3-Trichloropropane	ND		ug/kg	1.7	0.11	1
2-Hexanone	ND		ug/kg	8.7	1.0	1
Bromochloromethane	ND		ug/kg	1.7	0.18	1
2,2-Dichloropropane	ND		ug/kg	1.7	0.18	1
1,2-Dibromoethane	ND		ug/kg	0.87	0.24	1
1,3-Dichloropropane	ND		ug/kg	1.7	0.14	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.44	0.12	1
Bromobenzene	ND		ug/kg	1.7	0.13	1
n-Butylbenzene	ND		ug/kg	0.87	0.14	1
sec-Butylbenzene	ND		ug/kg	0.87	0.13	1
tert-Butylbenzene	ND		ug/kg	1.7	0.10	1
o-Chlorotoluene	ND		ug/kg	1.7	0.17	1
p-Chlorotoluene	ND		ug/kg	1.7	0.09	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.6	0.87	1
Hexachlorobutadiene	ND		ug/kg	3.5	0.15	1
Isopropylbenzene	ND		ug/kg	0.87	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.87	0.10	1
Naphthalene	ND		ug/kg	3.5	0.57	1
Acrylonitrile	ND		ug/kg	3.5	1.0	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-03 Date Collected: 02/15/21 14:25

Client ID: SB-1 (2-3) Date Received: 02/16/21

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.87	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.7	0.28	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.7	0.24	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.7	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.7	0.29	1
1,4-Dioxane	ND		ug/kg	70	31.	1
p-Diethylbenzene	ND		ug/kg	1.7	0.15	1
p-Ethyltoluene	ND		ug/kg	1.7	0.33	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.7	0.17	1
Ethyl ether	ND		ug/kg	1.7	0.30	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.4	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	84		70-130
Dibromofluoromethane	90		70-130

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-04
Client ID: SB-2 (0-2)
Sample Location: BRONX, NY

Date Collected: 02/15/21 10:05
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 02/19/21 14:45
Analyst: MKS
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.5	2.0	1
1,1-Dichloroethane	ND		ug/kg	0.90	0.13	1
Chloroform	ND		ug/kg	1.3	0.12	1
Carbon tetrachloride	ND		ug/kg	0.90	0.21	1
1,2-Dichloropropane	ND		ug/kg	0.90	0.11	1
Dibromochloromethane	ND		ug/kg	0.90	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.90	0.24	1
Tetrachloroethene	0.40	J	ug/kg	0.45	0.18	1
Chlorobenzene	ND		ug/kg	0.45	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.6	0.62	1
1,2-Dichloroethane	ND		ug/kg	0.90	0.23	1
1,1,1-Trichloroethane	ND		ug/kg	0.45	0.15	1
Bromodichloromethane	ND		ug/kg	0.45	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.90	0.24	1
cis-1,3-Dichloropropene	ND		ug/kg	0.45	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	0.45	0.14	1
1,1-Dichloropropene	ND		ug/kg	0.45	0.14	1
Bromoform	ND		ug/kg	3.6	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.45	0.15	1
Benzene	ND		ug/kg	0.45	0.15	1
Toluene	ND		ug/kg	0.90	0.49	1
Ethylbenzene	ND		ug/kg	0.90	0.13	1
Chloromethane	ND		ug/kg	3.6	0.84	1
Bromomethane	ND		ug/kg	1.8	0.52	1
Vinyl chloride	24		ug/kg	0.90	0.30	1
Chloroethane	ND		ug/kg	1.8	0.40	1
1,1-Dichloroethene	ND		ug/kg	0.90	0.21	1
trans-1,2-Dichloroethene	0.64	J	ug/kg	1.3	0.12	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-04 Date Collected: 02/15/21 10:05

Client ID: SB-2 (0-2) Date Received: 02/16/21

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	0.35	J	ug/kg	0.45	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.15	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.18	1
p/m-Xylene	ND		ug/kg	1.8	0.50	1
o-Xylene	ND		ug/kg	0.90	0.26	1
Xylenes, Total	ND		ug/kg	0.90	0.26	1
cis-1,2-Dichloroethene	65		ug/kg	0.90	0.16	1
1,2-Dichloroethene, Total	66	J	ug/kg	0.90	0.12	1
Dibromomethane	ND		ug/kg	1.8	0.21	1
Styrene	ND		ug/kg	0.90	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.0	0.82	1
Acetone	13		ug/kg	9.0	4.3	1
Carbon disulfide	ND		ug/kg	9.0	4.1	1
2-Butanone	ND		ug/kg	9.0	2.0	1
Vinyl acetate	ND		ug/kg	9.0	1.9	1
4-Methyl-2-pentanone	ND		ug/kg	9.0	1.1	1
1,2,3-Trichloropropane	ND		ug/kg	1.8	0.11	1
2-Hexanone	ND		ug/kg	9.0	1.0	1
Bromochloromethane	ND		ug/kg	1.8	0.18	1
2,2-Dichloropropane	ND		ug/kg	1.8	0.18	1
1,2-Dibromoethane	ND		ug/kg	0.90	0.25	1
1,3-Dichloropropane	ND		ug/kg	1.8	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.45	0.12	1
Bromobenzene	ND		ug/kg	1.8	0.13	1
n-Butylbenzene	ND		ug/kg	0.90	0.15	1
sec-Butylbenzene	ND		ug/kg	0.90	0.13	1
tert-Butylbenzene	ND		ug/kg	1.8	0.10	1
o-Chlorotoluene	ND		ug/kg	1.8	0.17	1
p-Chlorotoluene	ND		ug/kg	1.8	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.7	0.90	1
Hexachlorobutadiene	ND		ug/kg	3.6	0.15	1
Isopropylbenzene	ND		ug/kg	0.90	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.90	0.10	1
Naphthalene	ND		ug/kg	3.6	0.58	1
Acrylonitrile	ND		ug/kg	3.6	1.0	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-04 Date Collected: 02/15/21 10:05

Client ID: SB-2 (0-2) Date Received: 02/16/21

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.90	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	0.29	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.24	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.8	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.8	0.30	1
1,4-Dioxane	ND		ug/kg	72	32.	1
p-Diethylbenzene	ND		ug/kg	1.8	0.16	1
p-Ethyltoluene	ND		ug/kg	1.8	0.34	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.8	0.17	1
Ethyl ether	ND		ug/kg	1.8	0.31	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.5	1.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	88		70-130

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-05
Client ID: SB-2 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 10:10
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 02/19/21 15:10
Analyst: MKS
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.6	2.1	1
1,1-Dichloroethane	ND		ug/kg	0.93	0.13	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.93	0.21	1
1,2-Dichloropropane	ND		ug/kg	0.93	0.12	1
Dibromochloromethane	ND		ug/kg	0.93	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.93	0.25	1
Tetrachloroethene	5.2		ug/kg	0.46	0.18	1
Chlorobenzene	ND		ug/kg	0.46	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.7	0.64	1
1,2-Dichloroethane	ND		ug/kg	0.93	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.46	0.16	1
Bromodichloromethane	ND		ug/kg	0.46	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.93	0.25	1
cis-1,3-Dichloropropene	ND		ug/kg	0.46	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.46	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.46	0.15	1
Bromoform	ND		ug/kg	3.7	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.46	0.15	1
Benzene	ND		ug/kg	0.46	0.15	1
Toluene	ND		ug/kg	0.93	0.50	1
Ethylbenzene	ND		ug/kg	0.93	0.13	1
Chloromethane	ND		ug/kg	3.7	0.86	1
Bromomethane	ND		ug/kg	1.8	0.54	1
Vinyl chloride	0.33	J	ug/kg	0.93	0.31	1
Chloroethane	ND		ug/kg	1.8	0.42	1
1,1-Dichloroethene	ND		ug/kg	0.93	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-05 Date Collected: 02/15/21 10:10

Client ID: SB-2 (2-3) Date Received: 02/16/21

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	3.0		ug/kg	0.46	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.19	1
p/m-Xylene	ND		ug/kg	1.8	0.52	1
o-Xylene	ND		ug/kg	0.93	0.27	1
Xylenes, Total	ND		ug/kg	0.93	0.27	1
cis-1,2-Dichloroethene	16		ug/kg	0.93	0.16	1
1,2-Dichloroethene, Total	16		ug/kg	0.93	0.13	1
Dibromomethane	ND		ug/kg	1.8	0.22	1
Styrene	ND		ug/kg	0.93	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.3	0.85	1
Acetone	6.0	J	ug/kg	9.3	4.5	1
Carbon disulfide	ND		ug/kg	9.3	4.2	1
2-Butanone	ND		ug/kg	9.3	2.1	1
Vinyl acetate	ND		ug/kg	9.3	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.3	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.8	0.12	1
2-Hexanone	ND		ug/kg	9.3	1.1	1
Bromochloromethane	ND		ug/kg	1.8	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.8	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.93	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.8	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.46	0.12	1
Bromobenzene	ND		ug/kg	1.8	0.13	1
n-Butylbenzene	ND		ug/kg	0.93	0.16	1
sec-Butylbenzene	ND		ug/kg	0.93	0.14	1
tert-Butylbenzene	ND		ug/kg	1.8	0.11	1
o-Chlorotoluene	ND		ug/kg	1.8	0.18	1
p-Chlorotoluene	ND		ug/kg	1.8	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.93	1
Hexachlorobutadiene	ND		ug/kg	3.7	0.16	1
Isopropylbenzene	ND		ug/kg	0.93	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.93	0.10	1
Naphthalene	ND		ug/kg	3.7	0.60	1
Acrylonitrile	ND		ug/kg	3.7	1.1	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-05 Date Collected: 02/15/21 10:10

Client ID: SB-2 (2-3) Date Received: 02/16/21

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.93	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.25	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.8	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.8	0.31	1
1,4-Dioxane	ND		ug/kg	74	33.	1
p-Diethylbenzene	ND		ug/kg	1.8	0.16	1
p-Ethyltoluene	ND		ug/kg	1.8	0.36	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.8	0.18	1
Ethyl ether	ND		ug/kg	1.8	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.6	1.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	83		70-130
Dibromofluoromethane	90		70-130

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-06
Client ID: SB-3 (0-2)
Sample Location: BRONX, NY

Date Collected: 02/15/21 11:30
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 02/19/21 20:31
Analyst: MKS
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.6	2.1	1
1,1-Dichloroethane	ND		ug/kg	0.93	0.13	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.93	0.21	1
1,2-Dichloropropane	ND		ug/kg	0.93	0.12	1
Dibromochloromethane	ND		ug/kg	0.93	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.93	0.25	1
Tetrachloroethene	1.9		ug/kg	0.46	0.18	1
Chlorobenzene	ND		ug/kg	0.46	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.7	0.65	1
1,2-Dichloroethane	ND		ug/kg	0.93	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.46	0.16	1
Bromodichloromethane	ND		ug/kg	0.46	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.93	0.25	1
cis-1,3-Dichloropropene	ND		ug/kg	0.46	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.46	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.46	0.15	1
Bromoform	ND		ug/kg	3.7	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.46	0.15	1
Benzene	ND		ug/kg	0.46	0.15	1
Toluene	ND		ug/kg	0.93	0.50	1
Ethylbenzene	ND		ug/kg	0.93	0.13	1
Chloromethane	ND		ug/kg	3.7	0.87	1
Bromomethane	ND		ug/kg	1.9	0.54	1
Vinyl chloride	ND		ug/kg	0.93	0.31	1
Chloroethane	ND		ug/kg	1.9	0.42	1
1,1-Dichloroethene	ND		ug/kg	0.93	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-06 Date Collected: 02/15/21 11:30

Client ID: SB-3 (0-2) Date Received: 02/16/21

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	0.39	J	ug/kg	0.46	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.52	1
o-Xylene	ND		ug/kg	0.93	0.27	1
Xylenes, Total	ND		ug/kg	0.93	0.27	1
cis-1,2-Dichloroethene	0.80	J	ug/kg	0.93	0.16	1
1,2-Dichloroethene, Total	0.80	J	ug/kg	0.93	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.22	1
Styrene	ND		ug/kg	0.93	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.3	0.85	1
Acetone	6.4	J	ug/kg	9.3	4.5	1
Carbon disulfide	ND		ug/kg	9.3	4.2	1
2-Butanone	ND		ug/kg	9.3	2.1	1
Vinyl acetate	ND		ug/kg	9.3	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.3	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.3	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.93	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.46	0.12	1
Bromobenzene	ND		ug/kg	1.9	0.13	1
n-Butylbenzene	ND		ug/kg	0.93	0.16	1
sec-Butylbenzene	ND		ug/kg	0.93	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.18	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.93	1
Hexachlorobutadiene	ND		ug/kg	3.7	0.16	1
Isopropylbenzene	ND		ug/kg	0.93	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.93	0.10	1
Naphthalene	ND		ug/kg	3.7	0.60	1
Acrylonitrile	ND		ug/kg	3.7	1.1	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-06 Date Collected: 02/15/21 11:30

Client ID: SB-3 (0-2) Date Received: 02/16/21

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.93	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.25	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.31	1
1,4-Dioxane	ND		ug/kg	74	33.	1
p-Diethylbenzene	ND		ug/kg	1.9	0.16	1
p-Ethyltoluene	ND		ug/kg	1.9	0.36	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.9	0.18	1
Ethyl ether	ND		ug/kg	1.9	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.6	1.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	101		70-130

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-07
Client ID: SB-3 (0-2)_DUP
Sample Location: BRONX, NY

Date Collected: 02/15/21 11:40
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 02/19/21 20:57
Analyst: MKS
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.6	2.1	1
1,1-Dichloroethane	ND		ug/kg	0.93	0.14	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.93	0.21	1
1,2-Dichloropropane	ND		ug/kg	0.93	0.12	1
Dibromochloromethane	ND		ug/kg	0.93	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.93	0.25	1
Tetrachloroethene	0.95		ug/kg	0.46	0.18	1
Chlorobenzene	ND		ug/kg	0.46	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.7	0.65	1
1,2-Dichloroethane	ND		ug/kg	0.93	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.46	0.16	1
Bromodichloromethane	ND		ug/kg	0.46	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.93	0.25	1
cis-1,3-Dichloropropene	ND		ug/kg	0.46	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.46	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.46	0.15	1
Bromoform	ND		ug/kg	3.7	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.46	0.15	1
Benzene	ND		ug/kg	0.46	0.15	1
Toluene	ND		ug/kg	0.93	0.50	1
Ethylbenzene	ND		ug/kg	0.93	0.13	1
Chloromethane	ND		ug/kg	3.7	0.87	1
Bromomethane	ND		ug/kg	1.9	0.54	1
Vinyl chloride	ND		ug/kg	0.93	0.31	1
Chloroethane	ND		ug/kg	1.9	0.42	1
1,1-Dichloroethene	ND		ug/kg	0.93	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-07 Date Collected: 02/15/21 11:40

Client ID: SB-3 (0-2)_DUP Date Received: 02/16/21

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	0.62		ug/kg	0.46	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.52	1
o-Xylene	ND		ug/kg	0.93	0.27	1
Xylenes, Total	ND		ug/kg	0.93	0.27	1
cis-1,2-Dichloroethene	9.9		ug/kg	0.93	0.16	1
1,2-Dichloroethene, Total	9.9		ug/kg	0.93	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.22	1
Styrene	ND		ug/kg	0.93	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.3	0.85	1
Acetone	14		ug/kg	9.3	4.5	1
Carbon disulfide	ND		ug/kg	9.3	4.2	1
2-Butanone	ND		ug/kg	9.3	2.1	1
Vinyl acetate	ND		ug/kg	9.3	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.3	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.3	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.93	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.46	0.12	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.93	0.16	1
sec-Butylbenzene	ND		ug/kg	0.93	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.18	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.93	1
Hexachlorobutadiene	ND		ug/kg	3.7	0.16	1
Isopropylbenzene	ND		ug/kg	0.93	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.93	0.10	1
Naphthalene	ND		ug/kg	3.7	0.60	1
Acrylonitrile	ND		ug/kg	3.7	1.1	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-07 Date Collected: 02/15/21 11:40

Client ID: SB-3 (0-2)_DUP Date Received: 02/16/21

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.93	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.25	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.31	1
1,4-Dioxane	ND		ug/kg	74	33.	1
p-Diethylbenzene	ND		ug/kg	1.9	0.16	1
p-Ethyltoluene	ND		ug/kg	1.9	0.36	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.9	0.18	1
Ethyl ether	ND		ug/kg	1.9	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.6	1.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	104		70-130

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-08
Client ID: SB-3 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 11:35
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 02/19/21 21:23
Analyst: MKS
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.7	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.94	0.14	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.94	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.94	0.12	1
Dibromochloromethane	ND		ug/kg	0.94	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.94	0.25	1
Tetrachloroethene	0.50		ug/kg	0.47	0.18	1
Chlorobenzene	ND		ug/kg	0.47	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.8	0.65	1
1,2-Dichloroethane	ND		ug/kg	0.94	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.47	0.16	1
Bromodichloromethane	ND		ug/kg	0.47	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.94	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.47	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.47	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.47	0.15	1
Bromoform	ND		ug/kg	3.8	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.47	0.16	1
Benzene	ND		ug/kg	0.47	0.16	1
Toluene	ND		ug/kg	0.94	0.51	1
Ethylbenzene	ND		ug/kg	0.94	0.13	1
Chloromethane	ND		ug/kg	3.8	0.88	1
Bromomethane	ND		ug/kg	1.9	0.55	1
Vinyl chloride	ND		ug/kg	0.94	0.32	1
Chloroethane	ND		ug/kg	1.9	0.42	1
1,1-Dichloroethene	ND		ug/kg	0.94	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-08 Date Collected: 02/15/21 11:35

Client ID: SB-3 (2-3) Date Received: 02/16/21

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	0.41	J	ug/kg	0.47	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.53	1
o-Xylene	ND		ug/kg	0.94	0.27	1
Xylenes, Total	ND		ug/kg	0.94	0.27	1
cis-1,2-Dichloroethene	4.7		ug/kg	0.94	0.16	1
1,2-Dichloroethene, Total	4.7		ug/kg	0.94	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.22	1
Styrene	ND		ug/kg	0.94	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.4	0.86	1
Acetone	ND		ug/kg	9.4	4.5	1
Carbon disulfide	ND		ug/kg	9.4	4.3	1
2-Butanone	ND		ug/kg	9.4	2.1	1
Vinyl acetate	ND		ug/kg	9.4	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.4	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.4	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.94	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.47	0.12	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.94	0.16	1
sec-Butylbenzene	ND		ug/kg	0.94	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.18	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.94	1
Hexachlorobutadiene	ND		ug/kg	3.8	0.16	1
Isopropylbenzene	ND		ug/kg	0.94	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.94	0.10	1
Naphthalene	ND		ug/kg	3.8	0.61	1
Acrylonitrile	ND		ug/kg	3.8	1.1	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-08 Date Collected: 02/15/21 11:35

Client ID: SB-3 (2-3) Date Received: 02/16/21

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.94	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.31	1
1,4-Dioxane	ND		ug/kg	75	33.	1
p-Diethylbenzene	ND		ug/kg	1.9	0.17	1
p-Ethyltoluene	ND		ug/kg	1.9	0.36	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.9	0.18	1
Ethyl ether	ND		ug/kg	1.9	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.7	1.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	104		70-130

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-10
Client ID: SB-4 (1-2)
Sample Location: BRONX, NY

Date Collected: 02/15/21 13:50
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 02/19/21 11:25
Analyst: JC
Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	330	150	1
1,1-Dichloroethane	ND		ug/kg	67	9.7	1
Chloroform	ND		ug/kg	100	9.3	1
Carbon tetrachloride	ND		ug/kg	67	15.	1
1,2-Dichloropropane	ND		ug/kg	67	8.3	1
Dibromochloromethane	ND		ug/kg	67	9.3	1
1,1,2-Trichloroethane	ND		ug/kg	67	18.	1
Tetrachloroethene	590		ug/kg	33	13.	1
Chlorobenzene	ND		ug/kg	33	8.5	1
Trichlorofluoromethane	ND		ug/kg	270	46.	1
1,2-Dichloroethane	ND		ug/kg	67	17.	1
1,1,1-Trichloroethane	ND		ug/kg	33	11.	1
Bromodichloromethane	ND		ug/kg	33	7.3	1
trans-1,3-Dichloropropene	ND		ug/kg	67	18.	1
cis-1,3-Dichloropropene	ND		ug/kg	33	10.	1
1,3-Dichloropropene, Total	ND		ug/kg	33	10.	1
1,1-Dichloropropene	ND		ug/kg	33	11.	1
Bromoform	ND		ug/kg	270	16.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	33	11.	1
Benzene	ND		ug/kg	33	11.	1
Toluene	ND		ug/kg	67	36.	1
Ethylbenzene	ND		ug/kg	67	9.4	1
Chloromethane	ND		ug/kg	270	62.	1
Bromomethane	ND		ug/kg	130	39.	1
Vinyl chloride	ND		ug/kg	67	22.	1
Chloroethane	ND		ug/kg	130	30.	1
1,1-Dichloroethene	ND		ug/kg	67	16.	1
trans-1,2-Dichloroethene	ND		ug/kg	100	9.1	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-10 Date Collected: 02/15/21 13:50

Client ID: SB-4 (1-2) Date Received: 02/16/21

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	32	J	ug/kg	33	9.1	1
1,2-Dichlorobenzene	ND		ug/kg	130	9.6	1
1,3-Dichlorobenzene	ND		ug/kg	130	9.9	1
1,4-Dichlorobenzene	ND		ug/kg	130	11.	1
Methyl tert butyl ether	ND		ug/kg	130	13.	1
p/m-Xylene	ND		ug/kg	130	37.	1
o-Xylene	ND		ug/kg	67	19.	1
Xylenes, Total	ND		ug/kg	67	19.	1
cis-1,2-Dichloroethene	ND		ug/kg	67	12.	1
1,2-Dichloroethene, Total	ND		ug/kg	67	9.1	1
Dibromomethane	ND		ug/kg	130	16.	1
Styrene	ND		ug/kg	67	13.	1
Dichlorodifluoromethane	ND		ug/kg	670	61.	1
Acetone	ND		ug/kg	670	320	1
Carbon disulfide	ND		ug/kg	670	300	1
2-Butanone	180	J	ug/kg	670	150	1
Vinyl acetate	ND		ug/kg	670	140	1
4-Methyl-2-pentanone	ND		ug/kg	670	85.	1
1,2,3-Trichloropropane	ND		ug/kg	130	8.5	1
2-Hexanone	ND		ug/kg	670	79.	1
Bromochloromethane	ND		ug/kg	130	14.	1
2,2-Dichloropropane	ND		ug/kg	130	13.	1
1,2-Dibromoethane	ND		ug/kg	67	19.	1
1,3-Dichloropropane	ND		ug/kg	130	11.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	33	8.8	1
Bromobenzene	ND		ug/kg	130	9.7	1
n-Butylbenzene	ND		ug/kg	67	11.	1
sec-Butylbenzene	ND		ug/kg	67	9.7	1
tert-Butylbenzene	ND		ug/kg	130	7.9	1
o-Chlorotoluene	ND		ug/kg	130	13.	1
p-Chlorotoluene	ND		ug/kg	130	7.2	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	200	66.	1
Hexachlorobutadiene	ND		ug/kg	270	11.	1
Isopropylbenzene	ND		ug/kg	67	7.3	1
p-Isopropyltoluene	ND		ug/kg	67	7.3	1
Naphthalene	ND		ug/kg	270	43.	1
Acrylonitrile	ND		ug/kg	270	77.	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-10 Date Collected: 02/15/21 13:50

Client ID: SB-4 (1-2) Date Received: 02/16/21

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	ND		ug/kg	67	11.	1
1,2,3-Trichlorobenzene	ND		ug/kg	130	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	130	18.	1
1,3,5-Trimethylbenzene	ND		ug/kg	130	13.	1
1,2,4-Trimethylbenzene	ND		ug/kg	130	22.	1
1,4-Dioxane	ND		ug/kg	5300	2300	1
p-Diethylbenzene	ND		ug/kg	130	12.	1
p-Ethyltoluene	ND		ug/kg	130	26.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	130	13.	1
Ethyl ether	ND		ug/kg	130	23.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	330	95.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	83		70-130

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-10
Client ID: SB-4 (1-2)
Sample Location: BRONX, NY

Date Collected: 02/15/21 13:50
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 02/20/21 20:30
Analyst: AJK
Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.8	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.96	0.14	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.96	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.96	0.12	1
Dibromochloromethane	ND		ug/kg	0.96	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.96	0.26	1
Tetrachloroethene	51		ug/kg	0.48	0.19	1
Chlorobenzene	ND		ug/kg	0.48	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.8	0.67	1
1,2-Dichloroethane	ND		ug/kg	0.96	0.25	1
1,1,1-Trichloroethane	ND		ug/kg	0.48	0.16	1
Bromodichloromethane	ND		ug/kg	0.48	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.96	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.48	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.48	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.48	0.15	1
Bromoform	ND		ug/kg	3.8	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.48	0.16	1
Benzene	ND		ug/kg	0.48	0.16	1
Toluene	ND		ug/kg	0.96	0.52	1
Ethylbenzene	ND		ug/kg	0.96	0.14	1
Chloromethane	ND		ug/kg	3.8	0.89	1
Bromomethane	ND		ug/kg	1.9	0.56	1
Vinyl chloride	ND		ug/kg	0.96	0.32	1
Chloroethane	ND		ug/kg	1.9	0.43	1
1,1-Dichloroethene	ND		ug/kg	0.96	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-10 Date Collected: 02/15/21 13:50

Client ID: SB-4 (1-2) Date Received: 02/16/21

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	2.6		ug/kg	0.48	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.54	1
o-Xylene	ND		ug/kg	0.96	0.28	1
Xylenes, Total	ND		ug/kg	0.96	0.28	1
cis-1,2-Dichloroethene	2.1		ug/kg	0.96	0.17	1
1,2-Dichloroethene, Total	2.1		ug/kg	0.96	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.23	1
Styrene	ND		ug/kg	0.96	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.6	0.88	1
Acetone	10		ug/kg	9.6	4.6	1
Carbon disulfide	ND		ug/kg	9.6	4.4	1
2-Butanone	ND		ug/kg	9.6	2.1	1
Vinyl acetate	ND		ug/kg	9.6	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	9.6	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.6	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.20	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.96	0.27	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.48	0.13	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.96	0.16	1
sec-Butylbenzene	ND		ug/kg	0.96	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.18	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.9	0.96	1
Hexachlorobutadiene	ND		ug/kg	3.8	0.16	1
Isopropylbenzene	ND		ug/kg	0.96	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.96	0.10	1
Naphthalene	ND		ug/kg	3.8	0.62	1
Acrylonitrile	ND		ug/kg	3.8	1.1	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-10 Date Collected: 02/15/21 13:50

Client ID: SB-4 (1-2) Date Received: 02/16/21

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	80		70-130
Dibromofluoromethane	78		70-130

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-11
Client ID: SB-4 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 13:55
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 02/19/21 21:48
Analyst: MKS
Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.2	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	64		ug/kg	0.52	0.20	1
Chlorobenzene	ND		ug/kg	0.52	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.73	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.52	0.18	1
Bromodichloromethane	ND		ug/kg	0.52	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.52	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.52	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.52	0.17	1
Bromoform	ND		ug/kg	4.2	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.52	0.17	1
Benzene	ND		ug/kg	0.52	0.17	1
Toluene	ND		ug/kg	1.0	0.57	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	4.2	0.98	1
Bromomethane	ND		ug/kg	2.1	0.61	1
Vinyl chloride	ND		ug/kg	1.0	0.35	1
Chloroethane	ND		ug/kg	2.1	0.47	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.14	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-11 Date Collected: 02/15/21 13:55

Client ID: SB-4 (2-3) Date Received: 02/16/21

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	0.75		ug/kg	0.52	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.59	1
o-Xylene	ND		ug/kg	1.0	0.30	1
Xylenes, Total	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.96	1
Acetone	14		ug/kg	10	5.0	1
Carbon disulfide	ND		ug/kg	10	4.8	1
2-Butanone	ND		ug/kg	10	2.3	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.52	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.18	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.1	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.2	0.18	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.2	0.68	1
Acrylonitrile	ND		ug/kg	4.2	1.2	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-11 Date Collected: 02/15/21 13:55

Client ID: SB-4 (2-3) Date Received: 02/16/21

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.35	1
1,4-Dioxane	ND		ug/kg	84	37.	1
p-Diethylbenzene	ND		ug/kg	2.1	0.18	1
p-Ethyltoluene	ND		ug/kg	2.1	0.40	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.2	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	104		70-130

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-13
Client ID: SB-5 (1-2)
Sample Location: BRONX, NY

Date Collected: 02/15/21 14:50
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 02/19/21 11:50
Analyst: JC
Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	300	140	1
1,1-Dichloroethane	ND		ug/kg	60	8.6	1
Chloroform	10	J	ug/kg	89	8.3	1
Carbon tetrachloride	ND		ug/kg	60	14.	1
1,2-Dichloropropane	ND		ug/kg	60	7.4	1
Dibromochloromethane	ND		ug/kg	60	8.3	1
1,1,2-Trichloroethane	ND		ug/kg	60	16.	1
Tetrachloroethene	900		ug/kg	30	12.	1
Chlorobenzene	ND		ug/kg	30	7.6	1
Trichlorofluoromethane	ND		ug/kg	240	41.	1
1,2-Dichloroethane	ND		ug/kg	60	15.	1
1,1,1-Trichloroethane	ND		ug/kg	30	10.	1
Bromodichloromethane	ND		ug/kg	30	6.5	1
trans-1,3-Dichloropropene	ND		ug/kg	60	16.	1
cis-1,3-Dichloropropene	ND		ug/kg	30	9.4	1
1,3-Dichloropropene, Total	ND		ug/kg	30	9.4	1
1,1-Dichloropropene	ND		ug/kg	30	9.5	1
Bromoform	ND		ug/kg	240	15.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	30	9.9	1
Benzene	ND		ug/kg	30	9.9	1
Toluene	ND		ug/kg	60	32.	1
Ethylbenzene	ND		ug/kg	60	8.4	1
Chloromethane	ND		ug/kg	240	56.	1
Bromomethane	ND		ug/kg	120	35.	1
Vinyl chloride	ND		ug/kg	60	20.	1
Chloroethane	ND		ug/kg	120	27.	1
1,1-Dichloroethene	ND		ug/kg	60	14.	1
trans-1,2-Dichloroethene	ND		ug/kg	89	8.2	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-13 Date Collected: 02/15/21 14:50

Client ID: SB-5 (1-2) Date Received: 02/16/21

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	30	8.2	1
1,2-Dichlorobenzene	ND		ug/kg	120	8.6	1
1,3-Dichlorobenzene	ND		ug/kg	120	8.8	1
1,4-Dichlorobenzene	ND		ug/kg	120	10.	1
Methyl tert butyl ether	ND		ug/kg	120	12.	1
p/m-Xylene	ND		ug/kg	120	33.	1
o-Xylene	ND		ug/kg	60	17.	1
Xylenes, Total	ND		ug/kg	60	17.	1
cis-1,2-Dichloroethene	ND		ug/kg	60	10.	1
1,2-Dichloroethene, Total	ND		ug/kg	60	8.2	1
Dibromomethane	ND		ug/kg	120	14.	1
Styrene	ND		ug/kg	60	12.	1
Dichlorodifluoromethane	ND		ug/kg	600	54.	1
Acetone	ND		ug/kg	600	290	1
Carbon disulfide	ND		ug/kg	600	270	1
2-Butanone	190	J	ug/kg	600	130	1
Vinyl acetate	ND		ug/kg	600	130	1
4-Methyl-2-pentanone	ND		ug/kg	600	76.	1
1,2,3-Trichloropropane	ND		ug/kg	120	7.6	1
2-Hexanone	ND		ug/kg	600	70.	1
Bromochloromethane	ND		ug/kg	120	12.	1
2,2-Dichloropropane	ND		ug/kg	120	12.	1
1,2-Dibromoethane	ND		ug/kg	60	17.	1
1,3-Dichloropropane	ND		ug/kg	120	10.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	30	7.9	1
Bromobenzene	ND		ug/kg	120	8.6	1
n-Butylbenzene	ND		ug/kg	60	10.	1
sec-Butylbenzene	ND		ug/kg	60	8.7	1
tert-Butylbenzene	ND		ug/kg	120	7.0	1
o-Chlorotoluene	ND		ug/kg	120	11.	1
p-Chlorotoluene	ND		ug/kg	120	6.4	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	180	60.	1
Hexachlorobutadiene	ND		ug/kg	240	10.	1
Isopropylbenzene	ND		ug/kg	60	6.5	1
p-Isopropyltoluene	ND		ug/kg	60	6.5	1
Naphthalene	ND		ug/kg	240	39.	1
Acrylonitrile	ND		ug/kg	240	68.	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-13 Date Collected: 02/15/21 14:50

Client ID: SB-5 (1-2) Date Received: 02/16/21

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	ND		ug/kg	60	10.	1
1,2,3-Trichlorobenzene	ND		ug/kg	120	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	120	16.	1
1,3,5-Trimethylbenzene	ND		ug/kg	120	12.	1
1,2,4-Trimethylbenzene	ND		ug/kg	120	20.	1
1,4-Dioxane	ND		ug/kg	4800	2100	1
p-Diethylbenzene	ND		ug/kg	120	10.	1
p-Ethyltoluene	ND		ug/kg	120	23.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	120	11.	1
Ethyl ether	ND		ug/kg	120	20.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	300	85.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	86		70-130

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-13
Client ID: SB-5 (1-2)
Sample Location: BRONX, NY

Date Collected: 02/15/21 14:50
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 02/20/21 20:55
Analyst: AJK
Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.0	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.14	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.23	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.12	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.26	1
Tetrachloroethene	340	E	ug/kg	0.50	0.20	1
Chlorobenzene	ND		ug/kg	0.50	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.0	0.69	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17	1
Bromodichloromethane	ND		ug/kg	0.50	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27	1
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.50	0.16	1
Bromoform	ND		ug/kg	4.0	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.16	1
Benzene	ND		ug/kg	0.50	0.16	1
Toluene	ND		ug/kg	1.0	0.54	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.0	0.93	1
Bromomethane	ND		ug/kg	2.0	0.58	1
Vinyl chloride	0.51	J	ug/kg	1.0	0.33	1
Chloroethane	0.51	J	ug/kg	2.0	0.45	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-13 Date Collected: 02/15/21 14:50

Client ID: SB-5 (1-2) Date Received: 02/16/21

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	3.3		ug/kg	0.50	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.56	1
o-Xylene	ND		ug/kg	1.0	0.29	1
Xylenes, Total	ND		ug/kg	1.0	0.29	1
cis-1,2-Dichloroethene	4.0		ug/kg	1.0	0.17	1
1,2-Dichloroethene, Total	4.0		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.0	0.24	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.91	1
Acetone	8.4	J	ug/kg	10	4.8	1
Carbon disulfide	ND		ug/kg	10	4.5	1
2-Butanone	ND		ug/kg	10	2.2	1
Vinyl acetate	ND		ug/kg	10	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.20	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.28	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13	1
Bromobenzene	ND		ug/kg	2.0	0.14	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.14	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
o-Chlorotoluene	ND		ug/kg	2.0	0.19	1
p-Chlorotoluene	ND		ug/kg	2.0	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	0.99	1
Hexachlorobutadiene	ND		ug/kg	4.0	0.17	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.0	0.65	1
Acrylonitrile	ND		ug/kg	4.0	1.1	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-13 Date Collected: 02/15/21 14:50

Client ID: SB-5 (1-2) Date Received: 02/16/21

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	81		70-130
Dibromofluoromethane	80		70-130

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-14
Client ID: SB-5 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 14:55
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 02/19/21 12:15
Analyst: JC
Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	310	140	1
1,1-Dichloroethane	ND		ug/kg	62	9.0	1
Chloroform	17	J	ug/kg	93	8.7	1
Carbon tetrachloride	ND		ug/kg	62	14.	1
1,2-Dichloropropane	ND		ug/kg	62	7.8	1
Dibromochloromethane	ND		ug/kg	62	8.7	1
1,1,2-Trichloroethane	ND		ug/kg	62	16.	1
Tetrachloroethene	1000		ug/kg	31	12.	1
Chlorobenzene	ND		ug/kg	31	7.9	1
Trichlorofluoromethane	ND		ug/kg	250	43.	1
1,2-Dichloroethane	ND		ug/kg	62	16.	1
1,1,1-Trichloroethane	ND		ug/kg	31	10.	1
Bromodichloromethane	ND		ug/kg	31	6.8	1
trans-1,3-Dichloropropene	ND		ug/kg	62	17.	1
cis-1,3-Dichloropropene	ND		ug/kg	31	9.8	1
1,3-Dichloropropene, Total	ND		ug/kg	31	9.8	1
1,1-Dichloropropene	ND		ug/kg	31	9.9	1
Bromoform	ND		ug/kg	250	15.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	31	10.	1
Benzene	ND		ug/kg	31	10.	1
Toluene	ND		ug/kg	62	34.	1
Ethylbenzene	ND		ug/kg	62	8.7	1
Chloromethane	ND		ug/kg	250	58.	1
Bromomethane	ND		ug/kg	120	36.	1
Vinyl chloride	ND		ug/kg	62	21.	1
Chloroethane	ND		ug/kg	120	28.	1
1,1-Dichloroethene	ND		ug/kg	62	15.	1
trans-1,2-Dichloroethene	ND		ug/kg	93	8.5	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-14 Date Collected: 02/15/21 14:55

Client ID: SB-5 (2-3) Date Received: 02/16/21

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	31	8.5	1
1,2-Dichlorobenzene	ND		ug/kg	120	8.9	1
1,3-Dichlorobenzene	ND		ug/kg	120	9.2	1
1,4-Dichlorobenzene	ND		ug/kg	120	11.	1
Methyl tert butyl ether	ND		ug/kg	120	12.	1
p/m-Xylene	ND		ug/kg	120	35.	1
o-Xylene	ND		ug/kg	62	18.	1
Xylenes, Total	ND		ug/kg	62	18.	1
cis-1,2-Dichloroethene	ND		ug/kg	62	11.	1
1,2-Dichloroethene, Total	ND		ug/kg	62	8.5	1
Dibromomethane	ND		ug/kg	120	15.	1
Styrene	ND		ug/kg	62	12.	1
Dichlorodifluoromethane	ND		ug/kg	620	57.	1
Acetone	ND		ug/kg	620	300	1
Carbon disulfide	ND		ug/kg	620	280	1
2-Butanone	160	J	ug/kg	620	140	1
Vinyl acetate	ND		ug/kg	620	130	1
4-Methyl-2-pentanone	ND		ug/kg	620	79.	1
1,2,3-Trichloropropane	ND		ug/kg	120	7.9	1
2-Hexanone	ND		ug/kg	620	73.	1
Bromochloromethane	ND		ug/kg	120	13.	1
2,2-Dichloropropane	ND		ug/kg	120	12.	1
1,2-Dibromoethane	ND		ug/kg	62	17.	1
1,3-Dichloropropane	ND		ug/kg	120	10.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	31	8.2	1
Bromobenzene	ND		ug/kg	120	9.0	1
n-Butylbenzene	ND		ug/kg	62	10.	1
sec-Butylbenzene	ND		ug/kg	62	9.0	1
tert-Butylbenzene	ND		ug/kg	120	7.3	1
o-Chlorotoluene	ND		ug/kg	120	12.	1
p-Chlorotoluene	ND		ug/kg	120	6.7	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	190	62.	1
Hexachlorobutadiene	ND		ug/kg	250	10.	1
Isopropylbenzene	ND		ug/kg	62	6.8	1
p-Isopropyltoluene	ND		ug/kg	62	6.8	1
Naphthalene	ND		ug/kg	250	40.	1
Acrylonitrile	ND		ug/kg	250	71.	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-14 Date Collected: 02/15/21 14:55

Client ID: SB-5 (2-3) Date Received: 02/16/21

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	ND		ug/kg	62	11.	1
1,2,3-Trichlorobenzene	ND		ug/kg	120	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	120	17.	1
1,3,5-Trimethylbenzene	ND		ug/kg	120	12.	1
1,2,4-Trimethylbenzene	ND		ug/kg	120	21.	1
1,4-Dioxane	ND		ug/kg	5000	2200	1
p-Diethylbenzene	ND		ug/kg	120	11.	1
p-Ethyltoluene	ND		ug/kg	120	24.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	120	12.	1
Ethyl ether	ND		ug/kg	120	21.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	310	88.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	85		70-130

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-14
Client ID: SB-5 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 14:55
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 02/20/21 21:20
Analyst: AJK
Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.7	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.95	0.14	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.95	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.95	0.12	1
Dibromochloromethane	ND		ug/kg	0.95	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.95	0.25	1
Tetrachloroethene	340	E	ug/kg	0.47	0.18	1
Chlorobenzene	ND		ug/kg	0.47	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.8	0.66	1
1,2-Dichloroethane	ND		ug/kg	0.95	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.47	0.16	1
Bromodichloromethane	ND		ug/kg	0.47	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.95	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.47	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.47	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.47	0.15	1
Bromoform	ND		ug/kg	3.8	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.47	0.16	1
Benzene	ND		ug/kg	0.47	0.16	1
Toluene	ND		ug/kg	0.95	0.52	1
Ethylbenzene	ND		ug/kg	0.95	0.13	1
Chloromethane	ND		ug/kg	3.8	0.88	1
Bromomethane	ND		ug/kg	1.9	0.55	1
Vinyl chloride	ND		ug/kg	0.95	0.32	1
Chloroethane	ND		ug/kg	1.9	0.43	1
1,1-Dichloroethene	ND		ug/kg	0.95	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-14 Date Collected: 02/15/21 14:55

Client ID: SB-5 (2-3) Date Received: 02/16/21

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	1.5		ug/kg	0.47	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.53	1
o-Xylene	ND		ug/kg	0.95	0.28	1
Xylenes, Total	ND		ug/kg	0.95	0.28	1
cis-1,2-Dichloroethene	0.24	J	ug/kg	0.95	0.17	1
1,2-Dichloroethene, Total	0.24	J	ug/kg	0.95	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.22	1
Styrene	ND		ug/kg	0.95	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.5	0.87	1
Acetone	18		ug/kg	9.5	4.6	1
Carbon disulfide	ND		ug/kg	9.5	4.3	1
2-Butanone	ND		ug/kg	9.5	2.1	1
Vinyl acetate	ND		ug/kg	9.5	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.5	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.5	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.95	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.47	0.12	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.95	0.16	1
sec-Butylbenzene	ND		ug/kg	0.95	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.18	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.95	1
Hexachlorobutadiene	ND		ug/kg	3.8	0.16	1
Isopropylbenzene	ND		ug/kg	0.95	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.95	0.10	1
Naphthalene	ND		ug/kg	3.8	0.62	1
Acrylonitrile	ND		ug/kg	3.8	1.1	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-14 Date Collected: 02/15/21 14:55

Client ID: SB-5 (2-3) Date Received: 02/16/21

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.95	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.32	1
1,4-Dioxane	ND		ug/kg	76	33.	1
p-Diethylbenzene	ND		ug/kg	1.9	0.17	1
p-Ethyltoluene	ND		ug/kg	1.9	0.36	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.9	0.18	1
Ethyl ether	ND		ug/kg	1.9	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.7	1.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	81		70-130
Dibromofluoromethane	79		70-130

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-16
Client ID: SB-6 (1-2)
Sample Location: BRONX, NY

Date Collected: 02/15/21 15:05
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 02/19/21 22:14
Analyst: MKS
Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.5	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	76		ug/kg	0.55	0.22	1
Chlorobenzene	ND		ug/kg	0.55	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.4	0.76	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.55	0.18	1
Bromodichloromethane	ND		ug/kg	0.55	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.55	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.55	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.55	0.17	1
Bromoform	ND		ug/kg	4.4	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.55	0.18	1
Benzene	ND		ug/kg	0.55	0.18	1
Toluene	ND		ug/kg	1.1	0.60	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.4	1.0	1
Bromomethane	ND		ug/kg	2.2	0.64	1
Vinyl chloride	ND		ug/kg	1.1	0.37	1
Chloroethane	ND		ug/kg	2.2	0.50	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-16 Date Collected: 02/15/21 15:05

Client ID: SB-6 (1-2) Date Received: 02/16/21

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	0.78		ug/kg	0.55	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.62	1
o-Xylene	ND		ug/kg	1.1	0.32	1
Xylenes, Total	ND		ug/kg	1.1	0.32	1
cis-1,2-Dichloroethene	1.5		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	1.5		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.2	0.26	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	17		ug/kg	11	5.3	1
Carbon disulfide	ND		ug/kg	11	5.0	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.31	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.55	0.14	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.21	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.3	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.4	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.4	0.71	1
Acrylonitrile	ND		ug/kg	4.4	1.3	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-16 Date Collected: 02/15/21 15:05

Client ID: SB-6 (1-2) Date Received: 02/16/21

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.35	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.37	1
1,4-Dioxane	ND		ug/kg	88	38.	1
p-Diethylbenzene	ND		ug/kg	2.2	0.19	1
p-Ethyltoluene	ND		ug/kg	2.2	0.42	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.21	1
Ethyl ether	ND		ug/kg	2.2	0.37	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.5	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	105		70-130

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-17
Client ID: SB-6 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 15:10
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 02/19/21 22:40
Analyst: MKS
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.7	2.1	1
1,1-Dichloroethane	ND		ug/kg	0.93	0.14	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.93	0.21	1
1,2-Dichloropropane	ND		ug/kg	0.93	0.12	1
Dibromochloromethane	ND		ug/kg	0.93	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.93	0.25	1
Tetrachloroethene	57		ug/kg	0.47	0.18	1
Chlorobenzene	ND		ug/kg	0.47	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.7	0.65	1
1,2-Dichloroethane	ND		ug/kg	0.93	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.47	0.16	1
Bromodichloromethane	ND		ug/kg	0.47	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.93	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.47	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.47	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.47	0.15	1
Bromoform	ND		ug/kg	3.7	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.47	0.16	1
Benzene	ND		ug/kg	0.47	0.16	1
Toluene	ND		ug/kg	0.93	0.51	1
Ethylbenzene	ND		ug/kg	0.93	0.13	1
Chloromethane	ND		ug/kg	3.7	0.87	1
Bromomethane	ND		ug/kg	1.9	0.54	1
Vinyl chloride	ND		ug/kg	0.93	0.31	1
Chloroethane	ND		ug/kg	1.9	0.42	1
1,1-Dichloroethene	ND		ug/kg	0.93	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-17 Date Collected: 02/15/21 15:10

Client ID: SB-6 (2-3) Date Received: 02/16/21

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	0.52		ug/kg	0.47	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.52	1
o-Xylene	ND		ug/kg	0.93	0.27	1
Xylenes, Total	ND		ug/kg	0.93	0.27	1
cis-1,2-Dichloroethene	0.55	J	ug/kg	0.93	0.16	1
1,2-Dichloroethene, Total	0.55	J	ug/kg	0.93	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.22	1
Styrene	ND		ug/kg	0.93	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.3	0.85	1
Acetone	10		ug/kg	9.3	4.5	1
Carbon disulfide	ND		ug/kg	9.3	4.2	1
2-Butanone	ND		ug/kg	9.3	2.1	1
Vinyl acetate	ND		ug/kg	9.3	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.3	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.3	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.93	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.47	0.12	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.93	0.16	1
sec-Butylbenzene	ND		ug/kg	0.93	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.18	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.93	1
Hexachlorobutadiene	ND		ug/kg	3.7	0.16	1
Isopropylbenzene	ND		ug/kg	0.93	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.93	0.10	1
Naphthalene	ND		ug/kg	3.7	0.61	1
Acrylonitrile	ND		ug/kg	3.7	1.1	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-17 Date Collected: 02/15/21 15:10

Client ID: SB-6 (2-3) Date Received: 02/16/21

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.93	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.25	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.31	1
1,4-Dioxane	ND		ug/kg	75	33.	1
p-Diethylbenzene	ND		ug/kg	1.9	0.16	1
p-Ethyltoluene	ND		ug/kg	1.9	0.36	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.9	0.18	1
Ethyl ether	ND		ug/kg	1.9	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.7	1.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	104		70-130

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-19
Client ID: SB-7 (1-2)
Sample Location: BRONX, NY

Date Collected: 02/15/21 14:05
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 02/19/21 12:40
Analyst: MKS
Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	330	150	1
1,1-Dichloroethane	ND		ug/kg	66	9.5	1
Chloroform	20	J	ug/kg	98	9.2	1
Carbon tetrachloride	ND		ug/kg	66	15.	1
1,2-Dichloropropane	ND		ug/kg	66	8.2	1
Dibromochloromethane	ND		ug/kg	66	9.2	1
1,1,2-Trichloroethane	ND		ug/kg	66	18.	1
Tetrachloroethene	520		ug/kg	33	13.	1
Chlorobenzene	ND		ug/kg	33	8.3	1
Trichlorofluoromethane	ND		ug/kg	260	46.	1
1,2-Dichloroethane	ND		ug/kg	66	17.	1
1,1,1-Trichloroethane	ND		ug/kg	33	11.	1
Bromodichloromethane	ND		ug/kg	33	7.2	1
trans-1,3-Dichloropropene	ND		ug/kg	66	18.	1
cis-1,3-Dichloropropene	ND		ug/kg	33	10.	1
1,3-Dichloropropene, Total	ND		ug/kg	33	10.	1
1,1-Dichloropropene	ND		ug/kg	33	10.	1
Bromoform	ND		ug/kg	260	16.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	33	11.	1
Benzene	ND		ug/kg	33	11.	1
Toluene	ND		ug/kg	66	36.	1
Ethylbenzene	ND		ug/kg	66	9.2	1
Chloromethane	ND		ug/kg	260	61.	1
Bromomethane	ND		ug/kg	130	38.	1
Vinyl chloride	ND		ug/kg	66	22.	1
Chloroethane	ND		ug/kg	130	30.	1
1,1-Dichloroethene	ND		ug/kg	66	16.	1
trans-1,2-Dichloroethene	ND		ug/kg	98	9.0	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-19 Date Collected: 02/15/21 14:05

Client ID: SB-7 (1-2) Date Received: 02/16/21

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	46		ug/kg	33	9.0	1
1,2-Dichlorobenzene	ND		ug/kg	130	9.4	1
1,3-Dichlorobenzene	ND		ug/kg	130	9.7	1
1,4-Dichlorobenzene	ND		ug/kg	130	11.	1
Methyl tert butyl ether	ND		ug/kg	130	13.	1
p/m-Xylene	ND		ug/kg	130	37.	1
o-Xylene	ND		ug/kg	66	19.	1
Xylenes, Total	ND		ug/kg	66	19.	1
cis-1,2-Dichloroethene	15	J	ug/kg	66	11.	1
1,2-Dichloroethene, Total	15	J	ug/kg	66	9.0	1
Dibromomethane	ND		ug/kg	130	16.	1
Styrene	ND		ug/kg	66	13.	1
Dichlorodifluoromethane	ND		ug/kg	660	60.	1
Acetone	ND		ug/kg	660	320	1
Carbon disulfide	ND		ug/kg	660	300	1
2-Butanone	ND		ug/kg	660	140	1
Vinyl acetate	ND		ug/kg	660	140	1
4-Methyl-2-pentanone	ND		ug/kg	660	84.	1
1,2,3-Trichloropropane	ND		ug/kg	130	8.3	1
2-Hexanone	ND		ug/kg	660	77.	1
Bromochloromethane	ND		ug/kg	130	13.	1
2,2-Dichloropropane	ND		ug/kg	130	13.	1
1,2-Dibromoethane	ND		ug/kg	66	18.	1
1,3-Dichloropropane	ND		ug/kg	130	11.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	33	8.7	1
Bromobenzene	ND		ug/kg	130	9.5	1
n-Butylbenzene	ND		ug/kg	66	11.	1
sec-Butylbenzene	ND		ug/kg	66	9.6	1
tert-Butylbenzene	ND		ug/kg	130	7.7	1
o-Chlorotoluene	ND		ug/kg	130	12.	1
p-Chlorotoluene	ND		ug/kg	130	7.1	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	200	66.	1
Hexachlorobutadiene	ND		ug/kg	260	11.	1
Isopropylbenzene	ND		ug/kg	66	7.2	1
p-Isopropyltoluene	ND		ug/kg	66	7.2	1
Naphthalene	ND		ug/kg	260	43.	1
Acrylonitrile	ND		ug/kg	260	76.	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-19 Date Collected: 02/15/21 14:05

Client ID: SB-7 (1-2) Date Received: 02/16/21

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	ND		ug/kg	66	11.	1
1,2,3-Trichlorobenzene	ND		ug/kg	130	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	130	18.	1
1,3,5-Trimethylbenzene	ND		ug/kg	130	13.	1
1,2,4-Trimethylbenzene	ND		ug/kg	130	22.	1
1,4-Dioxane	ND		ug/kg	5200	2300	1
p-Diethylbenzene	ND		ug/kg	130	12.	1
p-Ethyltoluene	ND		ug/kg	130	25.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	130	12.	1
Ethyl ether	ND		ug/kg	130	22.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	330	93.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	84		70-130

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-19
Client ID: SB-7 (1-2)
Sample Location: BRONX, NY

Date Collected: 02/15/21 14:05
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 02/22/21 17:28
Analyst: NLK
Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.8	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.97	0.14	1
Chloroform	ND		ug/kg	1.4	0.14	1
Carbon tetrachloride	ND		ug/kg	0.97	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.97	0.12	1
Dibromochloromethane	ND		ug/kg	0.97	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	0.97	0.26	1
Tetrachloroethene	98		ug/kg	0.48	0.19	1
Chlorobenzene	ND		ug/kg	0.48	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.9	0.67	1
1,2-Dichloroethane	ND		ug/kg	0.97	0.25	1
1,1,1-Trichloroethane	ND		ug/kg	0.48	0.16	1
Bromodichloromethane	ND		ug/kg	0.48	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.97	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.48	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.48	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.48	0.15	1
Bromoform	ND		ug/kg	3.9	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.48	0.16	1
Benzene	ND		ug/kg	0.48	0.16	1
Toluene	ND		ug/kg	0.97	0.52	1
Ethylbenzene	ND		ug/kg	0.97	0.14	1
Chloromethane	ND		ug/kg	3.9	0.90	1
Bromomethane	ND		ug/kg	1.9	0.56	1
Vinyl chloride	ND		ug/kg	0.97	0.32	1
Chloroethane	ND		ug/kg	1.9	0.44	1
1,1-Dichloroethene	ND		ug/kg	0.97	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-19 Date Collected: 02/15/21 14:05

Client ID: SB-7 (1-2) Date Received: 02/16/21

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	3.8		ug/kg	0.48	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.54	1
o-Xylene	ND		ug/kg	0.97	0.28	1
Xylenes, Total	ND		ug/kg	0.97	0.28	1
cis-1,2-Dichloroethene	5.3		ug/kg	0.97	0.17	1
1,2-Dichloroethene, Total	5.3		ug/kg	0.97	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.23	1
Styrene	ND		ug/kg	0.97	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.7	0.88	1
Acetone	5.4	J	ug/kg	9.7	4.6	1
Carbon disulfide	ND		ug/kg	9.7	4.4	1
2-Butanone	ND		ug/kg	9.7	2.1	1
Vinyl acetate	ND		ug/kg	9.7	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	9.7	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.7	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.20	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.20	1
1,2-Dibromoethane	ND		ug/kg	0.97	0.27	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.48	0.13	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.97	0.16	1
sec-Butylbenzene	ND		ug/kg	0.97	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.18	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.9	0.96	1
Hexachlorobutadiene	ND		ug/kg	3.9	0.16	1
Isopropylbenzene	ND		ug/kg	0.97	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.97	0.10	1
Naphthalene	ND		ug/kg	3.9	0.63	1
Acrylonitrile	ND		ug/kg	3.9	1.1	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-19 Date Collected: 02/15/21 14:05

Client ID: SB-7 (1-2) Date Received: 02/16/21

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	98		70-130

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-20
Client ID: SB-7 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 14:10
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 02/19/21 23:06
Analyst: MKS
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.5	2.1	1
1,1-Dichloroethane	ND		ug/kg	0.90	0.13	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.90	0.21	1
1,2-Dichloropropane	ND		ug/kg	0.90	0.11	1
Dibromochloromethane	ND		ug/kg	0.90	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.90	0.24	1
Tetrachloroethene	45		ug/kg	0.45	0.18	1
Chlorobenzene	ND		ug/kg	0.45	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.6	0.63	1
1,2-Dichloroethane	ND		ug/kg	0.90	0.23	1
1,1,1-Trichloroethane	ND		ug/kg	0.45	0.15	1
Bromodichloromethane	ND		ug/kg	0.45	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.90	0.25	1
cis-1,3-Dichloropropene	ND		ug/kg	0.45	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	0.45	0.14	1
1,1-Dichloropropene	ND		ug/kg	0.45	0.14	1
Bromoform	ND		ug/kg	3.6	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.45	0.15	1
Benzene	ND		ug/kg	0.45	0.15	1
Toluene	ND		ug/kg	0.90	0.49	1
Ethylbenzene	ND		ug/kg	0.90	0.13	1
Chloromethane	ND		ug/kg	3.6	0.84	1
Bromomethane	ND		ug/kg	1.8	0.52	1
Vinyl chloride	ND		ug/kg	0.90	0.30	1
Chloroethane	ND		ug/kg	1.8	0.41	1
1,1-Dichloroethene	ND		ug/kg	0.90	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.12	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-20 Date Collected: 02/15/21 14:10

Client ID: SB-7 (2-3) Date Received: 02/16/21

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	0.22	J	ug/kg	0.45	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.15	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.18	1
p/m-Xylene	ND		ug/kg	1.8	0.51	1
o-Xylene	ND		ug/kg	0.90	0.26	1
Xylenes, Total	ND		ug/kg	0.90	0.26	1
cis-1,2-Dichloroethene	0.16	J	ug/kg	0.90	0.16	1
1,2-Dichloroethene, Total	0.16	J	ug/kg	0.90	0.12	1
Dibromomethane	ND		ug/kg	1.8	0.22	1
Styrene	ND		ug/kg	0.90	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.0	0.83	1
Acetone	8.8	J	ug/kg	9.0	4.3	1
Carbon disulfide	ND		ug/kg	9.0	4.1	1
2-Butanone	ND		ug/kg	9.0	2.0	1
Vinyl acetate	ND		ug/kg	9.0	1.9	1
4-Methyl-2-pentanone	ND		ug/kg	9.0	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.8	0.11	1
2-Hexanone	ND		ug/kg	9.0	1.1	1
Bromochloromethane	ND		ug/kg	1.8	0.18	1
2,2-Dichloropropane	ND		ug/kg	1.8	0.18	1
1,2-Dibromoethane	ND		ug/kg	0.90	0.25	1
1,3-Dichloropropane	ND		ug/kg	1.8	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.45	0.12	1
Bromobenzene	ND		ug/kg	1.8	0.13	1
n-Butylbenzene	ND		ug/kg	0.90	0.15	1
sec-Butylbenzene	ND		ug/kg	0.90	0.13	1
tert-Butylbenzene	ND		ug/kg	1.8	0.11	1
o-Chlorotoluene	ND		ug/kg	1.8	0.17	1
p-Chlorotoluene	ND		ug/kg	1.8	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.7	0.90	1
Hexachlorobutadiene	ND		ug/kg	3.6	0.15	1
Isopropylbenzene	ND		ug/kg	0.90	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.90	0.10	1
Naphthalene	ND		ug/kg	3.6	0.59	1
Acrylonitrile	ND		ug/kg	3.6	1.0	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-20 Date Collected: 02/15/21 14:10

Client ID: SB-7 (2-3) Date Received: 02/16/21

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.90	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	0.29	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.24	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.8	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.8	0.30	1
1,4-Dioxane	ND		ug/kg	72	32.	1
p-Diethylbenzene	ND		ug/kg	1.8	0.16	1
p-Ethyltoluene	ND		ug/kg	1.8	0.35	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.8	0.17	1
Ethyl ether	ND		ug/kg	1.8	0.31	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.5	1.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	105		70-130

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-22
Client ID: SB-8 (1-2)
Sample Location: BRONX, NY

Date Collected: 02/15/21 13:25
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 02/20/21 03:23
Analyst: MKS
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	270	120	1
1,1-Dichloroethane	ND		ug/kg	54	7.8	1
Chloroform	ND		ug/kg	81	7.6	1
Carbon tetrachloride	ND		ug/kg	54	12.	1
1,2-Dichloropropane	ND		ug/kg	54	6.8	1
Dibromochloromethane	ND		ug/kg	54	7.6	1
1,1,2-Trichloroethane	ND		ug/kg	54	14.	1
Tetrachloroethene	820		ug/kg	27	10.	1
Chlorobenzene	ND		ug/kg	27	6.9	1
Trichlorofluoromethane	ND		ug/kg	220	38.	1
1,2-Dichloroethane	ND		ug/kg	54	14.	1
1,1,1-Trichloroethane	ND		ug/kg	27	9.0	1
Bromodichloromethane	ND		ug/kg	27	5.9	1
trans-1,3-Dichloropropene	ND		ug/kg	54	15.	1
cis-1,3-Dichloropropene	ND		ug/kg	27	8.5	1
1,3-Dichloropropene, Total	ND		ug/kg	27	8.5	1
1,1-Dichloropropene	ND		ug/kg	27	8.6	1
Bromoform	ND		ug/kg	220	13.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	27	9.0	1
Benzene	ND		ug/kg	27	9.0	1
Toluene	ND		ug/kg	54	29.	1
Ethylbenzene	ND		ug/kg	54	7.6	1
Chloromethane	ND		ug/kg	220	50.	1
Bromomethane	ND		ug/kg	110	31.	1
Vinyl chloride	ND		ug/kg	54	18.	1
Chloroethane	ND		ug/kg	110	24.	1
1,1-Dichloroethene	ND		ug/kg	54	13.	1
trans-1,2-Dichloroethene	ND		ug/kg	81	7.4	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-22 Date Collected: 02/15/21 13:25

Client ID: SB-8 (1-2) Date Received: 02/16/21

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	290		ug/kg	27	7.4	1
1,2-Dichlorobenzene	ND		ug/kg	110	7.8	1
1,3-Dichlorobenzene	ND		ug/kg	110	8.0	1
1,4-Dichlorobenzene	ND		ug/kg	110	9.2	1
Methyl tert butyl ether	ND		ug/kg	110	11.	1
p/m-Xylene	ND		ug/kg	110	30.	1
o-Xylene	ND		ug/kg	54	16.	1
Xylenes, Total	ND		ug/kg	54	16.	1
cis-1,2-Dichloroethene	120		ug/kg	54	9.4	1
1,2-Dichloroethene, Total	120		ug/kg	54	7.4	1
Dibromomethane	ND		ug/kg	110	13.	1
Styrene	ND		ug/kg	54	10.	1
Dichlorodifluoromethane	ND		ug/kg	540	49.	1
Acetone	ND		ug/kg	540	260	1
Carbon disulfide	ND		ug/kg	540	240	1
2-Butanone	ND		ug/kg	540	120	1
Vinyl acetate	ND		ug/kg	540	120	1
4-Methyl-2-pentanone	ND		ug/kg	540	69.	1
1,2,3-Trichloropropane	ND		ug/kg	110	6.9	1
2-Hexanone	ND		ug/kg	540	64.	1
Bromochloromethane	ND		ug/kg	110	11.	1
2,2-Dichloropropane	ND		ug/kg	110	11.	1
1,2-Dibromoethane	ND		ug/kg	54	15.	1
1,3-Dichloropropane	ND		ug/kg	110	9.0	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	27	7.1	1
Bromobenzene	ND		ug/kg	110	7.8	1
n-Butylbenzene	ND		ug/kg	54	9.0	1
sec-Butylbenzene	ND		ug/kg	54	7.9	1
tert-Butylbenzene	ND		ug/kg	110	6.4	1
o-Chlorotoluene	ND		ug/kg	110	10.	1
p-Chlorotoluene	ND		ug/kg	110	5.8	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	160	54.	1
Hexachlorobutadiene	ND		ug/kg	220	9.1	1
Isopropylbenzene	ND		ug/kg	54	5.9	1
p-Isopropyltoluene	ND		ug/kg	54	5.9	1
Naphthalene	ND		ug/kg	220	35.	1
Acrylonitrile	ND		ug/kg	220	62.	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-22 Date Collected: 02/15/21 13:25

Client ID: SB-8 (1-2) Date Received: 02/16/21

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	ND		ug/kg	54	9.2	1
1,2,3-Trichlorobenzene	ND		ug/kg	110	17.	1
1,2,4-Trichlorobenzene	ND		ug/kg	110	15.	1
1,3,5-Trimethylbenzene	ND		ug/kg	110	10.	1
1,2,4-Trimethylbenzene	ND		ug/kg	110	18.	1
1,4-Dioxane	ND		ug/kg	4300	1900	1
p-Diethylbenzene	ND		ug/kg	110	9.6	1
p-Ethyltoluene	ND		ug/kg	110	21.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	110	10.	1
Ethyl ether	ND		ug/kg	110	18.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	270	77.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	105		70-130

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-22
Client ID: SB-8 (1-2)
Sample Location: BRONX, NY

Date Collected: 02/15/21 13:25
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 02/22/21 01:27
Analyst: JC
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.0	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.23	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	10		ug/kg	0.50	0.20	1
Chlorobenzene	ND		ug/kg	0.50	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.0	0.70	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17	1
Bromodichloromethane	ND		ug/kg	0.50	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.50	0.16	1
Bromoform	ND		ug/kg	4.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17	1
Benzene	ND		ug/kg	0.50	0.17	1
Toluene	ND		ug/kg	1.0	0.55	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.0	0.94	1
Bromomethane	ND		ug/kg	2.0	0.58	1
Vinyl chloride	0.39	J	ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.0	0.46	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-22 Date Collected: 02/15/21 13:25

Client ID: SB-8 (1-2) Date Received: 02/16/21

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	11		ug/kg	0.50	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.56	1
o-Xylene	ND		ug/kg	1.0	0.29	1
Xylenes, Total	ND		ug/kg	1.0	0.29	1
cis-1,2-Dichloroethene	17		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	17		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.0	0.24	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.92	1
Acetone	8.5	J	ug/kg	10	4.8	1
Carbon disulfide	ND		ug/kg	10	4.6	1
2-Butanone	ND		ug/kg	10	2.2	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.28	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13	1
Bromobenzene	ND		ug/kg	2.0	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
o-Chlorotoluene	ND		ug/kg	2.0	0.19	1
p-Chlorotoluene	ND		ug/kg	2.0	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.0	0.17	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.0	0.66	1
Acrylonitrile	ND		ug/kg	4.0	1.2	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-22 Date Collected: 02/15/21 13:25

Client ID: SB-8 (1-2) Date Received: 02/16/21

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19	1
1,2,4-Trimethylbenzene	0.67	J	ug/kg	2.0	0.34	1
1,4-Dioxane	ND		ug/kg	81	35.	1
p-Diethylbenzene	0.33	J	ug/kg	2.0	0.18	1
p-Ethyltoluene	0.48	J	ug/kg	2.0	0.39	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19	1
Ethyl ether	ND		ug/kg	2.0	0.34	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	103		70-130

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-23
Client ID: SB-8 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 13:30
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 02/19/21 23:31
Analyst: MKS
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.2	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.6	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	4.0		ug/kg	0.52	0.20	1
Chlorobenzene	ND		ug/kg	0.52	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.72	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.52	0.17	1
Bromodichloromethane	ND		ug/kg	0.52	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.52	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.52	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.52	0.16	1
Bromoform	ND		ug/kg	4.2	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.52	0.17	1
Benzene	ND		ug/kg	0.52	0.17	1
Toluene	ND		ug/kg	1.0	0.56	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	4.2	0.97	1
Bromomethane	ND		ug/kg	2.1	0.60	1
Vinyl chloride	ND		ug/kg	1.0	0.35	1
Chloroethane	ND		ug/kg	2.1	0.47	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.14	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-23 Date Collected: 02/15/21 13:30

Client ID: SB-8 (2-3) Date Received: 02/16/21

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	0.72		ug/kg	0.52	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.58	1
o-Xylene	ND		ug/kg	1.0	0.30	1
Xylenes, Total	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	0.83	J	ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	0.83	J	ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.95	1
Acetone	14		ug/kg	10	5.0	1
Carbon disulfide	ND		ug/kg	10	4.7	1
2-Butanone	ND		ug/kg	10	2.3	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.52	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.1	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.2	0.18	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.2	0.67	1
Acrylonitrile	ND		ug/kg	4.2	1.2	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-23 Date Collected: 02/15/21 13:30

Client ID: SB-8 (2-3) Date Received: 02/16/21

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.33	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.35	1
1,4-Dioxane	ND		ug/kg	83	36.	1
p-Diethylbenzene	ND		ug/kg	2.1	0.18	1
p-Ethyltoluene	ND		ug/kg	2.1	0.40	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.35	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.2	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	104		70-130

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-24
Client ID: SB-9 (0-1)
Sample Location: BRONX, NY

Date Collected: 02/15/21 15:30
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 02/19/21 13:04
Analyst: MKS
Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	420	190	1
1,1-Dichloroethane	ND		ug/kg	83	12.	1
Chloroform	16	J	ug/kg	120	12.	1
Carbon tetrachloride	ND		ug/kg	83	19.	1
1,2-Dichloropropane	ND		ug/kg	83	10.	1
Dibromochloromethane	ND		ug/kg	83	12.	1
1,1,2-Trichloroethane	ND		ug/kg	83	22.	1
Tetrachloroethene	5200		ug/kg	42	16.	1
Chlorobenzene	ND		ug/kg	42	10.	1
Trichlorofluoromethane	ND		ug/kg	330	58.	1
1,2-Dichloroethane	ND		ug/kg	83	21.	1
1,1,1-Trichloroethane	ND		ug/kg	42	14.	1
Bromodichloromethane	ND		ug/kg	42	9.0	1
trans-1,3-Dichloropropene	ND		ug/kg	83	23.	1
cis-1,3-Dichloropropene	ND		ug/kg	42	13.	1
1,3-Dichloropropene, Total	ND		ug/kg	42	13.	1
1,1-Dichloropropene	ND		ug/kg	42	13.	1
Bromoform	ND		ug/kg	330	20.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	42	14.	1
Benzene	ND		ug/kg	42	14.	1
Toluene	ND		ug/kg	83	45.	1
Ethylbenzene	ND		ug/kg	83	12.	1
Chloromethane	ND		ug/kg	330	77.	1
Bromomethane	ND		ug/kg	170	48.	1
Vinyl chloride	ND		ug/kg	83	28.	1
Chloroethane	ND		ug/kg	170	38.	1
1,1-Dichloroethene	ND		ug/kg	83	20.	1
trans-1,2-Dichloroethene	ND		ug/kg	120	11.	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-24 Date Collected: 02/15/21 15:30

Client ID: SB-9 (0-1) Date Received: 02/16/21

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	1200		ug/kg	42	11.	1
1,2-Dichlorobenzene	ND		ug/kg	170	12.	1
1,3-Dichlorobenzene	ND		ug/kg	170	12.	1
1,4-Dichlorobenzene	ND		ug/kg	170	14.	1
Methyl tert butyl ether	ND		ug/kg	170	17.	1
p/m-Xylene	ND		ug/kg	170	46.	1
o-Xylene	ND		ug/kg	83	24.	1
Xylenes, Total	ND		ug/kg	83	24.	1
cis-1,2-Dichloroethene	1400		ug/kg	83	14.	1
1,2-Dichloroethene, Total	1400		ug/kg	83	11.	1
Dibromomethane	ND		ug/kg	170	20.	1
Styrene	ND		ug/kg	83	16.	1
Dichlorodifluoromethane	ND		ug/kg	830	76.	1
Acetone	580	J	ug/kg	830	400	1
Carbon disulfide	ND		ug/kg	830	380	1
2-Butanone	ND		ug/kg	830	180	1
Vinyl acetate	ND		ug/kg	830	180	1
4-Methyl-2-pentanone	ND		ug/kg	830	110	1
1,2,3-Trichloropropane	ND		ug/kg	170	10.	1
2-Hexanone	ND		ug/kg	830	98.	1
Bromochloromethane	ND		ug/kg	170	17.	1
2,2-Dichloropropane	ND		ug/kg	170	17.	1
1,2-Dibromoethane	ND		ug/kg	83	23.	1
1,3-Dichloropropane	ND		ug/kg	170	14.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	42	11.	1
Bromobenzene	ND		ug/kg	170	12.	1
n-Butylbenzene	ND		ug/kg	83	14.	1
sec-Butylbenzene	ND		ug/kg	83	12.	1
tert-Butylbenzene	ND		ug/kg	170	9.8	1
o-Chlorotoluene	ND		ug/kg	170	16.	1
p-Chlorotoluene	ND		ug/kg	170	9.0	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	250	83.	1
Hexachlorobutadiene	ND		ug/kg	330	14.	1
Isopropylbenzene	ND		ug/kg	83	9.0	1
p-Isopropyltoluene	ND		ug/kg	83	9.0	1
Naphthalene	ND		ug/kg	330	54.	1
Acrylonitrile	ND		ug/kg	330	95.	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-24 Date Collected: 02/15/21 15:30

Client ID: SB-9 (0-1) Date Received: 02/16/21

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	ND		ug/kg	83	14.	1
1,2,3-Trichlorobenzene	ND		ug/kg	170	27.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	22.	1
1,3,5-Trimethylbenzene	ND		ug/kg	170	16.	1
1,2,4-Trimethylbenzene	ND		ug/kg	170	28.	1
1,4-Dioxane	ND		ug/kg	6600	2900	1
p-Diethylbenzene	ND		ug/kg	170	15.	1
p-Ethyltoluene	ND		ug/kg	170	32.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	170	16.	1
Ethyl ether	ND		ug/kg	170	28.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	420	120	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	85		70-130

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-26
Client ID: SB-9 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 15:40
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 02/19/21 23:57
Analyst: MKS
Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.9	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.97	0.14	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	0.97	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.97	0.12	1
Dibromochloromethane	ND		ug/kg	0.97	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	0.97	0.26	1
Tetrachloroethene	3.3		ug/kg	0.49	0.19	1
Chlorobenzene	ND		ug/kg	0.49	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.9	0.68	1
1,2-Dichloroethane	ND		ug/kg	0.97	0.25	1
1,1,1-Trichloroethane	ND		ug/kg	0.49	0.16	1
Bromodichloromethane	ND		ug/kg	0.49	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	0.97	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.49	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.49	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.49	0.15	1
Bromoform	ND		ug/kg	3.9	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.49	0.16	1
Benzene	ND		ug/kg	0.49	0.16	1
Toluene	ND		ug/kg	0.97	0.53	1
Ethylbenzene	ND		ug/kg	0.97	0.14	1
Chloromethane	ND		ug/kg	3.9	0.91	1
Bromomethane	ND		ug/kg	1.9	0.57	1
Vinyl chloride	ND		ug/kg	0.97	0.33	1
Chloroethane	ND		ug/kg	1.9	0.44	1
1,1-Dichloroethene	ND		ug/kg	0.97	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.13	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-26 Date Collected: 02/15/21 15:40

Client ID: SB-9 (2-3) Date Received: 02/16/21

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	0.62		ug/kg	0.49	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.17	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.20	1
p/m-Xylene	ND		ug/kg	1.9	0.54	1
o-Xylene	ND		ug/kg	0.97	0.28	1
Xylenes, Total	ND		ug/kg	0.97	0.28	1
cis-1,2-Dichloroethene	2.4		ug/kg	0.97	0.17	1
1,2-Dichloroethene, Total	2.4		ug/kg	0.97	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.23	1
Styrene	ND		ug/kg	0.97	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.7	0.89	1
Acetone	6.0	J	ug/kg	9.7	4.7	1
Carbon disulfide	ND		ug/kg	9.7	4.4	1
2-Butanone	ND		ug/kg	9.7	2.2	1
Vinyl acetate	ND		ug/kg	9.7	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	9.7	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.7	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.20	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.20	1
1,2-Dibromoethane	ND		ug/kg	0.97	0.27	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.49	0.13	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.97	0.16	1
sec-Butylbenzene	ND		ug/kg	0.97	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.19	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.9	0.97	1
Hexachlorobutadiene	ND		ug/kg	3.9	0.16	1
Isopropylbenzene	ND		ug/kg	0.97	0.11	1
p-Isopropyltoluene	ND		ug/kg	0.97	0.11	1
Naphthalene	ND		ug/kg	3.9	0.63	1
Acrylonitrile	ND		ug/kg	3.9	1.1	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-26 Date Collected: 02/15/21 15:40

Client ID: SB-9 (2-3) Date Received: 02/16/21

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.97	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.31	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.32	1
1,4-Dioxane	ND		ug/kg	78	34.	1
p-Diethylbenzene	ND		ug/kg	1.9	0.17	1
p-Ethyltoluene	ND		ug/kg	1.9	0.37	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.9	0.19	1
Ethyl ether	ND		ug/kg	1.9	0.33	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.9	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	106		70-130

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-27
Client ID: SB-11 (0-2)
Sample Location: BRONX, NY

Date Collected: 02/15/21 11:55
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 02/20/21 00:23
Analyst: MKS
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.6	3.0	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.19	1
Chloroform	ND		ug/kg	2.0	0.18	1
Carbon tetrachloride	ND		ug/kg	1.3	0.30	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.16	1
Dibromochloromethane	ND		ug/kg	1.3	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.35	1
Tetrachloroethene	39		ug/kg	0.66	0.26	1
Chlorobenzene	ND		ug/kg	0.66	0.17	1
Trichlorofluoromethane	ND		ug/kg	5.3	0.92	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.34	1
1,1,1-Trichloroethane	ND		ug/kg	0.66	0.22	1
Bromodichloromethane	ND		ug/kg	0.66	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.36	1
cis-1,3-Dichloropropene	ND		ug/kg	0.66	0.21	1
1,3-Dichloropropene, Total	ND		ug/kg	0.66	0.21	1
1,1-Dichloropropene	ND		ug/kg	0.66	0.21	1
Bromoform	ND		ug/kg	5.3	0.33	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.66	0.22	1
Benzene	ND		ug/kg	0.66	0.22	1
Toluene	ND		ug/kg	1.3	0.72	1
Ethylbenzene	ND		ug/kg	1.3	0.19	1
Chloromethane	ND		ug/kg	5.3	1.2	1
Bromomethane	ND		ug/kg	2.6	0.77	1
Vinyl chloride	ND		ug/kg	1.3	0.44	1
Chloroethane	ND		ug/kg	2.6	0.60	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.18	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-27 Date Collected: 02/15/21 11:55

Client ID: SB-11 (0-2) Date Received: 02/16/21

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	4.9		ug/kg	0.66	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	2.6	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	2.6	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	2.6	0.23	1
Methyl tert butyl ether	ND		ug/kg	2.6	0.27	1
p/m-Xylene	ND		ug/kg	2.6	0.74	1
o-Xylene	ND		ug/kg	1.3	0.38	1
Xylenes, Total	ND		ug/kg	1.3	0.38	1
cis-1,2-Dichloroethene	8.2		ug/kg	1.3	0.23	1
1,2-Dichloroethene, Total	8.2		ug/kg	1.3	0.18	1
Dibromomethane	ND		ug/kg	2.6	0.32	1
Styrene	ND		ug/kg	1.3	0.26	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	25		ug/kg	13	6.4	1
Carbon disulfide	ND		ug/kg	13	6.0	1
2-Butanone	ND		ug/kg	13	2.9	1
Vinyl acetate	ND		ug/kg	13	2.8	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.7	1
1,2,3-Trichloropropane	ND		ug/kg	2.6	0.17	1
2-Hexanone	ND		ug/kg	13	1.6	1
Bromochloromethane	ND		ug/kg	2.6	0.27	1
2,2-Dichloropropane	ND		ug/kg	2.6	0.27	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.37	1
1,3-Dichloropropane	ND		ug/kg	2.6	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.66	0.18	1
Bromobenzene	ND		ug/kg	2.6	0.19	1
n-Butylbenzene	ND		ug/kg	1.3	0.22	1
sec-Butylbenzene	ND		ug/kg	1.3	0.19	1
tert-Butylbenzene	ND		ug/kg	2.6	0.16	1
o-Chlorotoluene	ND		ug/kg	2.6	0.25	1
p-Chlorotoluene	ND		ug/kg	2.6	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.0	1.3	1
Hexachlorobutadiene	ND		ug/kg	5.3	0.22	1
Isopropylbenzene	ND		ug/kg	1.3	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.14	1
Naphthalene	ND		ug/kg	5.3	0.86	1
Acrylonitrile	ND		ug/kg	5.3	1.5	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-27 Date Collected: 02/15/21 11:55

Client ID: SB-11 (0-2) Date Received: 02/16/21

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.3	0.23	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.6	0.43	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.6	0.36	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.6	0.26	1
1,2,4-Trimethylbenzene	0.44	J	ug/kg	2.6	0.44	1
1,4-Dioxane	ND		ug/kg	110	46.	1
p-Diethylbenzene	ND		ug/kg	2.6	0.23	1
p-Ethyltoluene	ND		ug/kg	2.6	0.51	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.6	0.25	1
Ethyl ether	ND		ug/kg	2.6	0.45	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.6	1.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	104		70-130

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-28
Client ID: SB-11 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 12:00
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 02/20/21 00:48
Analyst: MKS
Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.4	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	ND		ug/kg	0.54	0.21	1
Chlorobenzene	ND		ug/kg	0.54	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.4	0.76	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.54	0.18	1
Bromodichloromethane	ND		ug/kg	0.54	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.54	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.54	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.54	0.17	1
Bromoform	ND		ug/kg	4.4	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.54	0.18	1
Benzene	ND		ug/kg	0.54	0.18	1
Toluene	ND		ug/kg	1.1	0.59	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.4	1.0	1
Bromomethane	ND		ug/kg	2.2	0.63	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.2	0.49	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-28 Date Collected: 02/15/21 12:00

Client ID: SB-11 (2-3) Date Received: 02/16/21

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.54	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.61	1
o-Xylene	ND		ug/kg	1.1	0.32	1
Xylenes, Total	ND		ug/kg	1.1	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.2	0.26	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	ND		ug/kg	11	5.2	1
Carbon disulfide	ND		ug/kg	11	5.0	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.54	0.14	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.21	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.3	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.4	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.4	0.71	1
Acrylonitrile	ND		ug/kg	4.4	1.2	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-28 Date Collected: 02/15/21 12:00

Client ID: SB-11 (2-3) Date Received: 02/16/21

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.35	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.36	1
1,4-Dioxane	ND		ug/kg	87	38.	1
p-Diethylbenzene	ND		ug/kg	2.2	0.19	1
p-Ethyltoluene	ND		ug/kg	2.2	0.42	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.21	1
Ethyl ether	ND		ug/kg	2.2	0.37	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.4	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	105		70-130

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-29
Client ID: SB-12 (0-2)
Sample Location: BRONX, NY

Date Collected: 02/15/21 11:10
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 02/19/21 13:29
Analyst: MKS
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	320	150	1
1,1-Dichloroethane	ND		ug/kg	64	9.3	1
Chloroform	26	J	ug/kg	96	9.0	1
Carbon tetrachloride	ND		ug/kg	64	15.	1
1,2-Dichloropropane	ND		ug/kg	64	8.0	1
Dibromochloromethane	ND		ug/kg	64	9.0	1
1,1,2-Trichloroethane	ND		ug/kg	64	17.	1
Tetrachloroethene	8700		ug/kg	32	12.	1
Chlorobenzene	ND		ug/kg	32	8.1	1
Trichlorofluoromethane	ND		ug/kg	260	44.	1
1,2-Dichloroethane	ND		ug/kg	64	16.	1
1,1,1-Trichloroethane	ND		ug/kg	32	11.	1
Bromodichloromethane	ND		ug/kg	32	7.0	1
trans-1,3-Dichloropropene	ND		ug/kg	64	17.	1
cis-1,3-Dichloropropene	ND		ug/kg	32	10.	1
1,3-Dichloropropene, Total	ND		ug/kg	32	10.	1
1,1-Dichloropropene	ND		ug/kg	32	10.	1
Bromoform	ND		ug/kg	260	16.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	32	11.	1
Benzene	ND		ug/kg	32	11.	1
Toluene	ND		ug/kg	64	35.	1
Ethylbenzene	ND		ug/kg	64	9.0	1
Chloromethane	ND		ug/kg	260	60.	1
Bromomethane	ND		ug/kg	130	37.	1
Vinyl chloride	ND		ug/kg	64	21.	1
Chloroethane	ND		ug/kg	130	29.	1
1,1-Dichloroethene	ND		ug/kg	64	15.	1
trans-1,2-Dichloroethene	ND		ug/kg	96	8.8	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-29 Date Collected: 02/15/21 11:10

Client ID: SB-12 (0-2) Date Received: 02/16/21

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	530		ug/kg	32	8.8	1
1,2-Dichlorobenzene	ND		ug/kg	130	9.2	1
1,3-Dichlorobenzene	ND		ug/kg	130	9.5	1
1,4-Dichlorobenzene	ND		ug/kg	130	11.	1
Methyl tert butyl ether	ND		ug/kg	130	13.	1
p/m-Xylene	ND		ug/kg	130	36.	1
o-Xylene	ND		ug/kg	64	19.	1
Xylenes, Total	ND		ug/kg	64	19.	1
cis-1,2-Dichloroethene	800		ug/kg	64	11.	1
1,2-Dichloroethene, Total	800		ug/kg	64	8.8	1
Dibromomethane	ND		ug/kg	130	15.	1
Styrene	ND		ug/kg	64	12.	1
Dichlorodifluoromethane	ND		ug/kg	640	58.	1
Acetone	480	J	ug/kg	640	310	1
Carbon disulfide	ND		ug/kg	640	290	1
2-Butanone	ND		ug/kg	640	140	1
Vinyl acetate	ND		ug/kg	640	140	1
4-Methyl-2-pentanone	ND		ug/kg	640	82.	1
1,2,3-Trichloropropane	ND		ug/kg	130	8.1	1
2-Hexanone	ND		ug/kg	640	76.	1
Bromochloromethane	ND		ug/kg	130	13.	1
2,2-Dichloropropane	ND		ug/kg	130	13.	1
1,2-Dibromoethane	ND		ug/kg	64	18.	1
1,3-Dichloropropane	ND		ug/kg	130	11.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	32	8.4	1
Bromobenzene	ND		ug/kg	130	9.3	1
n-Butylbenzene	ND		ug/kg	64	11.	1
sec-Butylbenzene	ND		ug/kg	64	9.4	1
tert-Butylbenzene	ND		ug/kg	130	7.6	1
o-Chlorotoluene	ND		ug/kg	130	12.	1
p-Chlorotoluene	ND		ug/kg	130	6.9	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	190	64.	1
Hexachlorobutadiene	ND		ug/kg	260	11.	1
Isopropylbenzene	ND		ug/kg	64	7.0	1
p-Isopropyltoluene	ND		ug/kg	64	7.0	1
Naphthalene	ND		ug/kg	260	42.	1
Acrylonitrile	ND		ug/kg	260	74.	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-29 Date Collected: 02/15/21 11:10

Client ID: SB-12 (0-2) Date Received: 02/16/21

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	ND		ug/kg	64	11.	1
1,2,3-Trichlorobenzene	ND		ug/kg	130	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	130	17.	1
1,3,5-Trimethylbenzene	ND		ug/kg	130	12.	1
1,2,4-Trimethylbenzene	ND		ug/kg	130	21.	1
1,4-Dioxane	ND		ug/kg	5100	2200	1
p-Diethylbenzene	ND		ug/kg	130	11.	1
p-Ethyltoluene	ND		ug/kg	130	24.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	130	12.	1
Ethyl ether	ND		ug/kg	130	22.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	320	91.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	82		70-130

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-30
Client ID: SB-12 (0-2)_DUP
Sample Location: BRONX, NY

Date Collected: 02/15/21 11:20
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 02/20/21 01:14
Analyst: MKS
Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.2	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.6	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	2.9		ug/kg	0.52	0.20	1
Chlorobenzene	ND		ug/kg	0.52	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.1	0.72	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.52	0.17	1
Bromodichloromethane	ND		ug/kg	0.52	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.52	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.52	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.52	0.16	1
Bromoform	ND		ug/kg	4.1	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.52	0.17	1
Benzene	ND		ug/kg	0.52	0.17	1
Toluene	ND		ug/kg	1.0	0.56	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	4.1	0.96	1
Bromomethane	ND		ug/kg	2.1	0.60	1
Vinyl chloride	8.0		ug/kg	1.0	0.35	1
Chloroethane	ND		ug/kg	2.1	0.47	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.25	1
trans-1,2-Dichloroethene	1.4	J	ug/kg	1.6	0.14	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-30 Date Collected: 02/15/21 11:20

Client ID: SB-12 (0-2)_DUP Date Received: 02/16/21

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	3.1		ug/kg	0.52	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.58	1
o-Xylene	ND		ug/kg	1.0	0.30	1
Xylenes, Total	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	37		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	38	J	ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.95	1
Acetone	23		ug/kg	10	5.0	1
Carbon disulfide	ND		ug/kg	10	4.7	1
2-Butanone	ND		ug/kg	10	2.3	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.52	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.1	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.1	0.18	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.1	0.67	1
Acrylonitrile	ND		ug/kg	4.1	1.2	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-30 Date Collected: 02/15/21 11:20

Client ID: SB-12 (0-2)_DUP Date Received: 02/16/21

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.33	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.35	1
1,4-Dioxane	ND		ug/kg	83	36.	1
p-Diethylbenzene	ND		ug/kg	2.1	0.18	1
p-Ethyltoluene	ND		ug/kg	2.1	0.40	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.35	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.2	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	105		70-130

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-31
Client ID: SB-12 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 11:15
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 02/20/21 01:40
Analyst: MKS
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.3	2.0	1
1,1-Dichloroethane	ND		ug/kg	0.86	0.12	1
Chloroform	ND		ug/kg	1.3	0.12	1
Carbon tetrachloride	ND		ug/kg	0.86	0.20	1
1,2-Dichloropropane	ND		ug/kg	0.86	0.11	1
Dibromochloromethane	ND		ug/kg	0.86	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.86	0.23	1
Tetrachloroethene	8.5		ug/kg	0.43	0.17	1
Chlorobenzene	ND		ug/kg	0.43	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.4	0.60	1
1,2-Dichloroethane	ND		ug/kg	0.86	0.22	1
1,1,1-Trichloroethane	ND		ug/kg	0.43	0.14	1
Bromodichloromethane	ND		ug/kg	0.43	0.09	1
trans-1,3-Dichloropropene	ND		ug/kg	0.86	0.24	1
cis-1,3-Dichloropropene	ND		ug/kg	0.43	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	0.43	0.14	1
1,1-Dichloropropene	ND		ug/kg	0.43	0.14	1
Bromoform	ND		ug/kg	3.4	0.21	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.43	0.14	1
Benzene	ND		ug/kg	0.43	0.14	1
Toluene	ND		ug/kg	0.86	0.47	1
Ethylbenzene	ND		ug/kg	0.86	0.12	1
Chloromethane	ND		ug/kg	3.4	0.80	1
Bromomethane	ND		ug/kg	1.7	0.50	1
Vinyl chloride	0.29	J	ug/kg	0.86	0.29	1
Chloroethane	ND		ug/kg	1.7	0.39	1
1,1-Dichloroethene	ND		ug/kg	0.86	0.20	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	0.12	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-31 Date Collected: 02/15/21 11:15

Client ID: SB-12 (2-3) Date Received: 02/16/21

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	5.6		ug/kg	0.43	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.7	0.12	1
1,3-Dichlorobenzene	ND		ug/kg	1.7	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	1.7	0.15	1
Methyl tert butyl ether	ND		ug/kg	1.7	0.17	1
p/m-Xylene	ND		ug/kg	1.7	0.48	1
o-Xylene	ND		ug/kg	0.86	0.25	1
Xylenes, Total	ND		ug/kg	0.86	0.25	1
cis-1,2-Dichloroethene	19		ug/kg	0.86	0.15	1
1,2-Dichloroethene, Total	19		ug/kg	0.86	0.12	1
Dibromomethane	ND		ug/kg	1.7	0.20	1
Styrene	ND		ug/kg	0.86	0.17	1
Dichlorodifluoromethane	ND		ug/kg	8.6	0.79	1
Acetone	ND		ug/kg	8.6	4.1	1
Carbon disulfide	ND		ug/kg	8.6	3.9	1
2-Butanone	ND		ug/kg	8.6	1.9	1
Vinyl acetate	ND		ug/kg	8.6	1.8	1
4-Methyl-2-pentanone	ND		ug/kg	8.6	1.1	1
1,2,3-Trichloropropane	ND		ug/kg	1.7	0.11	1
2-Hexanone	ND		ug/kg	8.6	1.0	1
Bromochloromethane	ND		ug/kg	1.7	0.18	1
2,2-Dichloropropane	ND		ug/kg	1.7	0.17	1
1,2-Dibromoethane	ND		ug/kg	0.86	0.24	1
1,3-Dichloropropane	ND		ug/kg	1.7	0.14	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.43	0.11	1
Bromobenzene	ND		ug/kg	1.7	0.12	1
n-Butylbenzene	ND		ug/kg	0.86	0.14	1
sec-Butylbenzene	ND		ug/kg	0.86	0.12	1
tert-Butylbenzene	ND		ug/kg	1.7	0.10	1
o-Chlorotoluene	ND		ug/kg	1.7	0.16	1
p-Chlorotoluene	ND		ug/kg	1.7	0.09	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.6	0.86	1
Hexachlorobutadiene	ND		ug/kg	3.4	0.14	1
Isopropylbenzene	ND		ug/kg	0.86	0.09	1
p-Isopropyltoluene	ND		ug/kg	0.86	0.09	1
Naphthalene	ND		ug/kg	3.4	0.56	1
Acrylonitrile	ND		ug/kg	3.4	0.99	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-31 Date Collected: 02/15/21 11:15

Client ID: SB-12 (2-3) Date Received: 02/16/21

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.86	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.7	0.28	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.7	0.23	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.7	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.7	0.29	1
1,4-Dioxane	ND		ug/kg	69	30.	1
p-Diethylbenzene	ND		ug/kg	1.7	0.15	1
p-Ethyltoluene	ND		ug/kg	1.7	0.33	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.7	0.16	1
Ethyl ether	ND		ug/kg	1.7	0.29	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.3	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	106		70-130

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-32
Client ID: SB-13 (0-2)
Sample Location: BRONX, NY

Date Collected: 02/15/21 10:20
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 02/20/21 02:06
Analyst: MKS
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.0	1.8	1
1,1-Dichloroethane	ND		ug/kg	0.81	0.12	1
Chloroform	ND		ug/kg	1.2	0.11	1
Carbon tetrachloride	ND		ug/kg	0.81	0.19	1
1,2-Dichloropropane	ND		ug/kg	0.81	0.10	1
Dibromochloromethane	ND		ug/kg	0.81	0.11	1
1,1,2-Trichloroethane	ND		ug/kg	0.81	0.22	1
Tetrachloroethene	0.49		ug/kg	0.40	0.16	1
Chlorobenzene	ND		ug/kg	0.40	0.10	1
Trichlorofluoromethane	ND		ug/kg	3.2	0.56	1
1,2-Dichloroethane	ND		ug/kg	0.81	0.21	1
1,1,1-Trichloroethane	ND		ug/kg	0.40	0.14	1
Bromodichloromethane	ND		ug/kg	0.40	0.09	1
trans-1,3-Dichloropropene	ND		ug/kg	0.81	0.22	1
cis-1,3-Dichloropropene	ND		ug/kg	0.40	0.13	1
1,3-Dichloropropene, Total	ND		ug/kg	0.40	0.13	1
1,1-Dichloropropene	ND		ug/kg	0.40	0.13	1
Bromoform	ND		ug/kg	3.2	0.20	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.40	0.13	1
Benzene	ND		ug/kg	0.40	0.13	1
Toluene	ND		ug/kg	0.81	0.44	1
Ethylbenzene	ND		ug/kg	0.81	0.11	1
Chloromethane	ND		ug/kg	3.2	0.76	1
Bromomethane	ND		ug/kg	1.6	0.47	1
Vinyl chloride	0.94		ug/kg	0.81	0.27	1
Chloroethane	ND		ug/kg	1.6	0.37	1
1,1-Dichloroethene	ND		ug/kg	0.81	0.19	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	0.11	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-32 Date Collected: 02/15/21 10:20

Client ID: SB-13 (0-2) Date Received: 02/16/21

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.40	0.11	1
1,2-Dichlorobenzene	ND		ug/kg	1.6	0.12	1
1,3-Dichlorobenzene	ND		ug/kg	1.6	0.12	1
1,4-Dichlorobenzene	ND		ug/kg	1.6	0.14	1
Methyl tert butyl ether	ND		ug/kg	1.6	0.16	1
p/m-Xylene	ND		ug/kg	1.6	0.45	1
o-Xylene	ND		ug/kg	0.81	0.24	1
Xylenes, Total	ND		ug/kg	0.81	0.24	1
cis-1,2-Dichloroethene	19		ug/kg	0.81	0.14	1
1,2-Dichloroethene, Total	19		ug/kg	0.81	0.11	1
Dibromomethane	ND		ug/kg	1.6	0.19	1
Styrene	ND		ug/kg	0.81	0.16	1
Dichlorodifluoromethane	ND		ug/kg	8.1	0.74	1
Acetone	6.6	J	ug/kg	8.1	3.9	1
Carbon disulfide	ND		ug/kg	8.1	3.7	1
2-Butanone	ND		ug/kg	8.1	1.8	1
Vinyl acetate	ND		ug/kg	8.1	1.7	1
4-Methyl-2-pentanone	ND		ug/kg	8.1	1.0	1
1,2,3-Trichloropropane	ND		ug/kg	1.6	0.10	1
2-Hexanone	ND		ug/kg	8.1	0.96	1
Bromochloromethane	ND		ug/kg	1.6	0.17	1
2,2-Dichloropropane	ND		ug/kg	1.6	0.16	1
1,2-Dibromoethane	ND		ug/kg	0.81	0.23	1
1,3-Dichloropropane	ND		ug/kg	1.6	0.14	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.40	0.11	1
Bromobenzene	ND		ug/kg	1.6	0.12	1
n-Butylbenzene	ND		ug/kg	0.81	0.14	1
sec-Butylbenzene	ND		ug/kg	0.81	0.12	1
tert-Butylbenzene	ND		ug/kg	1.6	0.10	1
o-Chlorotoluene	ND		ug/kg	1.6	0.15	1
p-Chlorotoluene	ND		ug/kg	1.6	0.09	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.4	0.81	1
Hexachlorobutadiene	ND		ug/kg	3.2	0.14	1
Isopropylbenzene	ND		ug/kg	0.81	0.09	1
p-Isopropyltoluene	ND		ug/kg	0.81	0.09	1
Naphthalene	ND		ug/kg	3.2	0.53	1
Acrylonitrile	ND		ug/kg	3.2	0.93	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-32 Date Collected: 02/15/21 10:20

Client ID: SB-13 (0-2) Date Received: 02/16/21

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.81	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.6	0.26	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.6	0.22	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.6	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.6	0.27	1
1,4-Dioxane	ND		ug/kg	65	28.	1
p-Diethylbenzene	ND		ug/kg	1.6	0.14	1
p-Ethyltoluene	ND		ug/kg	1.6	0.31	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.6	0.15	1
Ethyl ether	ND		ug/kg	1.6	0.28	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.0	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	106		70-130

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-33
Client ID: SB-13 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 10:25
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 02/20/21 02:32
Analyst: MKS
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.7	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.94	0.14	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.94	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.94	0.12	1
Dibromochloromethane	ND		ug/kg	0.94	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.94	0.25	1
Tetrachloroethene	0.34	J	ug/kg	0.47	0.18	1
Chlorobenzene	ND		ug/kg	0.47	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.8	0.66	1
1,2-Dichloroethane	ND		ug/kg	0.94	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.47	0.16	1
Bromodichloromethane	ND		ug/kg	0.47	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.94	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.47	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.47	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.47	0.15	1
Bromoform	ND		ug/kg	3.8	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.47	0.16	1
Benzene	ND		ug/kg	0.47	0.16	1
Toluene	ND		ug/kg	0.94	0.51	1
Ethylbenzene	ND		ug/kg	0.94	0.13	1
Chloromethane	ND		ug/kg	3.8	0.88	1
Bromomethane	ND		ug/kg	1.9	0.55	1
Vinyl chloride	ND		ug/kg	0.94	0.32	1
Chloroethane	ND		ug/kg	1.9	0.43	1
1,1-Dichloroethene	ND		ug/kg	0.94	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-33 Date Collected: 02/15/21 10:25

Client ID: SB-13 (2-3) Date Received: 02/16/21

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	0.23	J	ug/kg	0.47	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.53	1
o-Xylene	ND		ug/kg	0.94	0.27	1
Xylenes, Total	ND		ug/kg	0.94	0.27	1
cis-1,2-Dichloroethene	16		ug/kg	0.94	0.16	1
1,2-Dichloroethene, Total	16		ug/kg	0.94	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.22	1
Styrene	ND		ug/kg	0.94	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.4	0.86	1
Acetone	4.7	J	ug/kg	9.4	4.5	1
Carbon disulfide	ND		ug/kg	9.4	4.3	1
2-Butanone	ND		ug/kg	9.4	2.1	1
Vinyl acetate	ND		ug/kg	9.4	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.4	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.4	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.94	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.47	0.12	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.94	0.16	1
sec-Butylbenzene	ND		ug/kg	0.94	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.18	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.94	1
Hexachlorobutadiene	ND		ug/kg	3.8	0.16	1
Isopropylbenzene	ND		ug/kg	0.94	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.94	0.10	1
Naphthalene	ND		ug/kg	3.8	0.61	1
Acrylonitrile	ND		ug/kg	3.8	1.1	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-33 Date Collected: 02/15/21 10:25

Client ID: SB-13 (2-3) Date Received: 02/16/21

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.94	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.31	1
1,4-Dioxane	ND		ug/kg	75	33.	1
p-Diethylbenzene	ND		ug/kg	1.9	0.17	1
p-Ethyltoluene	ND		ug/kg	1.9	0.36	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.9	0.18	1
Ethyl ether	ND		ug/kg	1.9	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.7	1.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	106		70-130

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-40
Client ID: FIELD BLANK 1
Sample Location: BRONX, NY

Date Collected: 02/15/21 16:30
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 02/17/21 13:03
Analyst: PD

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

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-40 Date Collected: 02/15/21 16:30

Client ID: FIELD BLANK 1 Date Received: 02/16/21

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: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-40 Date Collected: 02/15/21 16:30

Client ID: FIELD BLANK 1 Date Received: 02/16/21

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	105		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	107		70-130

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-41
Client ID: SB-10 (2.5-4.5)
Sample Location: BRONX, NY

Date Collected: 02/16/21 10:30
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 02/20/21 02:57
Analyst: MKS
Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.9	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.97	0.14	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	0.97	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.97	0.12	1
Dibromochloromethane	ND		ug/kg	0.97	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	0.97	0.26	1
Tetrachloroethene	ND		ug/kg	0.49	0.19	1
Chlorobenzene	ND		ug/kg	0.49	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.9	0.68	1
1,2-Dichloroethane	ND		ug/kg	0.97	0.25	1
1,1,1-Trichloroethane	ND		ug/kg	0.49	0.16	1
Bromodichloromethane	ND		ug/kg	0.49	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	0.97	0.27	1
cis-1,3-Dichloropropene	ND		ug/kg	0.49	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.49	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.49	0.15	1
Bromoform	ND		ug/kg	3.9	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.49	0.16	1
Benzene	ND		ug/kg	0.49	0.16	1
Toluene	ND		ug/kg	0.97	0.53	1
Ethylbenzene	ND		ug/kg	0.97	0.14	1
Chloromethane	ND		ug/kg	3.9	0.91	1
Bromomethane	ND		ug/kg	1.9	0.57	1
Vinyl chloride	ND		ug/kg	0.97	0.33	1
Chloroethane	ND		ug/kg	1.9	0.44	1
1,1-Dichloroethene	ND		ug/kg	0.97	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.13	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-41 Date Collected: 02/16/21 10:30

Client ID: SB-10 (2.5-4.5) Date Received: 02/16/21

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.49	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.17	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.20	1
p/m-Xylene	ND		ug/kg	1.9	0.54	1
o-Xylene	ND		ug/kg	0.97	0.28	1
Xylenes, Total	ND		ug/kg	0.97	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	0.97	0.17	1
1,2-Dichloroethene, Total	ND		ug/kg	0.97	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.23	1
Styrene	ND		ug/kg	0.97	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.7	0.89	1
Acetone	ND		ug/kg	9.7	4.7	1
Carbon disulfide	ND		ug/kg	9.7	4.4	1
2-Butanone	ND		ug/kg	9.7	2.2	1
Vinyl acetate	ND		ug/kg	9.7	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	9.7	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.7	1.2	1
Bromochloromethane	ND		ug/kg	1.9	0.20	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.20	1
1,2-Dibromoethane	ND		ug/kg	0.97	0.27	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.49	0.13	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.97	0.16	1
sec-Butylbenzene	ND		ug/kg	0.97	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.12	1
o-Chlorotoluene	ND		ug/kg	1.9	0.19	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.9	0.97	1
Hexachlorobutadiene	ND		ug/kg	3.9	0.16	1
Isopropylbenzene	ND		ug/kg	0.97	0.11	1
p-Isopropyltoluene	ND		ug/kg	0.97	0.11	1
Naphthalene	ND		ug/kg	3.9	0.63	1
Acrylonitrile	ND		ug/kg	3.9	1.1	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-41 Date Collected: 02/16/21 10:30

Client ID: SB-10 (2.5-4.5) Date Received: 02/16/21

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.97	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.31	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.32	1
1,4-Dioxane	ND		ug/kg	78	34.	1
p-Diethylbenzene	ND		ug/kg	1.9	0.17	1
p-Ethyltoluene	ND		ug/kg	1.9	0.37	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.9	0.19	1
Ethyl ether	ND		ug/kg	1.9	0.33	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.9	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	106		70-130

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-42
Client ID: FIELD BLANK 2
Sample Location: BRONX, NY

Date Collected: 02/16/21 09:20
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 02/17/21 13:26
Analyst: LAC

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: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-42 Date Collected: 02/16/21 09:20

Client ID: FIELD BLANK 2 Date Received: 02/16/21

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: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-42 Date Collected: 02/16/21 09:20

Client ID: FIELD BLANK 2 Date Received: 02/16/21

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	107		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	108		70-130

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-43
Client ID: TRIP BLANK
Sample Location: BRONX, NY

Date Collected: 02/15/21 00:00
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Trip Blank (Aqueous)
Analytical Method: 1,8260C
Analytical Date: 02/17/21 13:49
Analyst: LAC

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: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-43 Date Collected: 02/15/21 00:00

Client ID: TRIP BLANK Date Received: 02/16/21

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: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-43 Date Collected: 02/15/21 00:00

Client ID: TRIP BLANK Date Received: 02/16/21

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	105		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	106		70-130

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER AVE **Report Date:** 02/26/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/17/21 08:27
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 40,42-43 Batch: WG1465619-5					
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: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER AVE **Report Date:** 02/26/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/17/21 08:27
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 40,42-43 Batch: WG1465619-5					
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: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER AVE **Report Date:** 02/26/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/17/21 08:27
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 40,42-43 Batch: WG1465619-5					
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	107		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	107		70-130

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER AVE **Report Date:** 02/26/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/19/21 07:16
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,03-05 Batch: WG1466397-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER AVE **Report Date:** 02/26/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/19/21 07:16
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,03-05 Batch: WG1466397-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER AVE **Report Date:** 02/26/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/19/21 07:16
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,03-05 Batch: WG1466397-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	81		70-130

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER AVE **Report Date:** 02/26/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/19/21 07:16
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 10,13-14,19,24,29 Batch: WG1466460-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
1,1-Dichloropropene	ND		ug/kg	25	8.0
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	ND		ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER AVE **Report Date:** 02/26/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/19/21 07:16
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 10,13-14,19,24,29 Batch: WG1466460-5					
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
1,2-Dichloroethene, Total	ND		ug/kg	50	6.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER AVE **Report Date:** 02/26/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/19/21 07:16
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 10,13-14,19,24,29 Batch: WG1466460-5					
p-Chlorotoluene	ND		ug/kg	100	5.4
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Hexachlorobutadiene	ND		ug/kg	200	8.4
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
1,4-Dioxane	ND		ug/kg	4000	1800
p-Diethylbenzene	ND		ug/kg	100	8.8
p-Ethyltoluene	ND		ug/kg	100	19.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6
Ethyl ether	ND		ug/kg	100	17.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	71.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	81		70-130

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER AVE **Report Date:** 02/26/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/19/21 20:05
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 06-08,11,16-17,20,23,26-28,30-33,41 Batch: WG1466694-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER AVE **Report Date:** 02/26/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/19/21 20:05
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 06-08,11,16-17,20,23,26-28,30-33,41 Batch: WG1466694-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	2.8	J	ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER AVE **Report Date:** 02/26/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/19/21 20:05
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 06-08,11,16-17,20,23,26-28,30-33,41 Batch: WG1466694-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	0.97	J	ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	0.50	J	ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	0.37	J	ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	101		70-130

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER AVE **Report Date:** 02/26/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/19/21 20:05
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 22 Batch: WG1466699-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
1,1-Dichloropropene	ND		ug/kg	25	8.0
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	ND		ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER AVE **Report Date:** 02/26/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/19/21 20:05
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 22 Batch: WG1466699-5					
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
1,2-Dichloroethene, Total	ND		ug/kg	50	6.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	140	J	ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER AVE **Report Date:** 02/26/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/19/21 20:05
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 22 Batch: WG1466699-5					
p-Chlorotoluene	ND		ug/kg	100	5.4
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Hexachlorobutadiene	ND		ug/kg	200	8.4
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	48	J	ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	25	J	ug/kg	100	16.
1,2,4-Trichlorobenzene	19	J	ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
1,4-Dioxane	ND		ug/kg	4000	1800
p-Diethylbenzene	ND		ug/kg	100	8.8
p-Ethyltoluene	ND		ug/kg	100	19.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6
Ethyl ether	ND		ug/kg	100	17.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	71.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	101		70-130

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER AVE **Report Date:** 02/26/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/21/21 18:11
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 22 Batch: WG1466869-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	0.23	J	ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER AVE **Report Date:** 02/26/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/21/21 18:11
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 22 Batch: WG1466869-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER AVE **Report Date:** 02/26/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/21/21 18:11
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 22 Batch: WG1466869-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	0.44	J	ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	0.29	J	ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	104		70-130

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER AVE **Report Date:** 02/26/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/20/21 15:08
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 10,13-14 Batch: WG1466928-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER AVE **Report Date:** 02/26/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/20/21 15:08
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 10,13-14 Batch: WG1466928-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER AVE **Report Date:** 02/26/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/20/21 15:08
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 10,13-14 Batch: WG1466928-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	82		70-130
Dibromofluoromethane	76		70-130

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER AVE **Report Date:** 02/26/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/22/21 10:04
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 19 Batch: WG1467343-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	0.64	J	ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER AVE **Report Date:** 02/26/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/22/21 10:04
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 19 Batch: WG1467343-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	2.2	J	ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER AVE **Report Date:** 02/26/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/22/21 10:04
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 19 Batch: WG1467343-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	94		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 40,42-43 Batch: WG1465619-3 WG1465619-4								
Methylene chloride	92		93		70-130	1		20
1,1-Dichloroethane	91		92		70-130	1		20
Chloroform	96		97		70-130	1		20
Carbon tetrachloride	93		93		63-132	0		20
1,2-Dichloropropane	88		90		70-130	2		20
Dibromochloromethane	100		100		63-130	0		20
1,1,2-Trichloroethane	94		95		70-130	1		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	96		98		75-130	2		20
Trichlorofluoromethane	99		100		62-150	1		20
1,2-Dichloroethane	96		97		70-130	1		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	96		99		67-130	3		20
trans-1,3-Dichloropropene	97		100		70-130	3		20
cis-1,3-Dichloropropene	91		93		70-130	2		20
1,1-Dichloropropene	92		94		70-130	2		20
Bromoform	95		97		54-136	2		20
1,1,2,2-Tetrachloroethane	87		91		67-130	4		20
Benzene	92		94		70-130	2		20
Toluene	97		99		70-130	2		20
Ethylbenzene	95		95		70-130	0		20
Chloromethane	74		76		64-130	3		20
Bromomethane	78		91		39-139	15		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 40,42-43 Batch: WG1465619-3 WG1465619-4								
Vinyl chloride	80		80		55-140	0		20
Chloroethane	84		86		55-138	2		20
1,1-Dichloroethene	89		91		61-145	2		20
trans-1,2-Dichloroethene	93		93		70-130	0		20
Trichloroethene	99		99		70-130	0		20
1,2-Dichlorobenzene	98		97		70-130	1		20
1,3-Dichlorobenzene	98		97		70-130	1		20
1,4-Dichlorobenzene	97		96		70-130	1		20
Methyl tert butyl ether	92		93		63-130	1		20
p/m-Xylene	95		95		70-130	0		20
o-Xylene	95		100		70-130	5		20
cis-1,2-Dichloroethene	94		96		70-130	2		20
Dibromomethane	89		92		70-130	3		20
1,2,3-Trichloropropane	90		92		64-130	2		20
Acrylonitrile	78		78		70-130	0		20
Styrene	95		95		70-130	0		20
Dichlorodifluoromethane	81		82		36-147	1		20
Acetone	83		78		58-148	6		20
Carbon disulfide	86		88		51-130	2		20
2-Butanone	76		75		63-138	1		20
Vinyl acetate	79		80		70-130	1		20
4-Methyl-2-pentanone	77		83		59-130	8		20
2-Hexanone	73		74		57-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 40,42-43 Batch: WG1465619-3 WG1465619-4								
Bromochloromethane	100		100		70-130	0		20
2,2-Dichloropropane	110		110		63-133	0		20
1,2-Dibromoethane	93		98		70-130	5		20
1,3-Dichloropropane	93		96		70-130	3		20
1,1,1,2-Tetrachloroethane	100		100		64-130	0		20
Bromobenzene	100		100		70-130	0		20
n-Butylbenzene	94		93		53-136	1		20
sec-Butylbenzene	94		94		70-130	0		20
tert-Butylbenzene	98		99		70-130	1		20
o-Chlorotoluene	96		95		70-130	1		20
p-Chlorotoluene	96		97		70-130	1		20
1,2-Dibromo-3-chloropropane	86		87		41-144	1		20
Hexachlorobutadiene	110		110		63-130	0		20
Isopropylbenzene	98		98		70-130	0		20
p-Isopropyltoluene	98		99		70-130	1		20
Naphthalene	84		91		70-130	8		20
n-Propylbenzene	95		95		69-130	0		20
1,2,3-Trichlorobenzene	99		100		70-130	1		20
1,2,4-Trichlorobenzene	98		99		70-130	1		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,2,4-Trimethylbenzene	98		99		70-130	1		20
1,4-Dioxane	82		96		56-162	16		20
p-Diethylbenzene	99		98		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 40,42-43 Batch: WG1465619-3 WG1465619-4								
p-Ethyltoluene	98		99		70-130	1		20
1,2,4,5-Tetramethylbenzene	100		99		70-130	1		20
Ethyl ether	87		88		59-134	1		20
trans-1,4-Dichloro-2-butene	77		83		70-130	8		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	106		104		70-130
Toluene-d8	107		109		70-130
4-Bromofluorobenzene	106		105		70-130
Dibromofluoromethane	110		107		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03-05 Batch: WG1466397-3 WG1466397-4								
Methylene chloride	90		89		70-130	1		30
1,1-Dichloroethane	99		99		70-130	0		30
Chloroform	86		87		70-130	1		30
Carbon tetrachloride	76		77		70-130	1		30
1,2-Dichloropropane	102		102		70-130	0		30
Dibromochloromethane	84		87		70-130	4		30
1,1,2-Trichloroethane	106		107		70-130	1		30
Tetrachloroethene	78		80		70-130	3		30
Chlorobenzene	90		90		70-130	0		30
Trichlorofluoromethane	76		75		70-139	1		30
1,2-Dichloroethane	98		99		70-130	1		30
1,1,1-Trichloroethane	82		82		70-130	0		30
Bromodichloromethane	93		94		70-130	1		30
trans-1,3-Dichloropropene	98		100		70-130	2		30
cis-1,3-Dichloropropene	84		85		70-130	1		30
1,1-Dichloropropene	86		86		70-130	0		30
Bromoform	88		90		70-130	2		30
1,1,2,2-Tetrachloroethane	111		114		70-130	3		30
Benzene	91		91		70-130	0		30
Toluene	92		92		70-130	0		30
Ethylbenzene	90		91		70-130	1		30
Chloromethane	106		103		52-130	3		30
Bromomethane	106		99		57-147	7		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03-05 Batch: WG1466397-3 WG1466397-4								
Vinyl chloride	103		101		67-130	2		30
Chloroethane	133		134		50-151	1		30
1,1-Dichloroethene	81		81		65-135	0		30
trans-1,2-Dichloroethene	82		82		70-130	0		30
Trichloroethene	86		87		70-130	1		30
1,2-Dichlorobenzene	90		90		70-130	0		30
1,3-Dichlorobenzene	89		88		70-130	1		30
1,4-Dichlorobenzene	87		86		70-130	1		30
Methyl tert butyl ether	87		88		66-130	1		30
p/m-Xylene	89		90		70-130	1		30
o-Xylene	88		90		70-130	2		30
cis-1,2-Dichloroethene	85		85		70-130	0		30
Dibromomethane	92		92		70-130	0		30
Styrene	93		95		70-130	2		30
Dichlorodifluoromethane	68		65		30-146	5		30
Acetone	115		116		54-140	1		30
Carbon disulfide	76		75		59-130	1		30
2-Butanone	123		129		70-130	5		30
Vinyl acetate	102		107		70-130	5		30
4-Methyl-2-pentanone	105		114		70-130	8		30
1,2,3-Trichloropropane	112		113		68-130	1		30
2-Hexanone	102		110		70-130	8		30
Bromochloromethane	85		85		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03-05 Batch: WG1466397-3 WG1466397-4								
2,2-Dichloropropane	77		77		70-130	0		30
1,2-Dibromoethane	87		89		70-130	2		30
1,3-Dichloropropane	104		106		69-130	2		30
1,1,1,2-Tetrachloroethane	92		92		70-130	0		30
Bromobenzene	86		86		70-130	0		30
n-Butylbenzene	92		92		70-130	0		30
sec-Butylbenzene	91		91		70-130	0		30
tert-Butylbenzene	86		86		70-130	0		30
o-Chlorotoluene	94		94		70-130	0		30
p-Chlorotoluene	93		93		70-130	0		30
1,2-Dibromo-3-chloropropane	81		83		68-130	2		30
Hexachlorobutadiene	76		77		67-130	1		30
Isopropylbenzene	87		87		70-130	0		30
p-Isopropyltoluene	85		86		70-130	1		30
Naphthalene	88		92		70-130	4		30
Acrylonitrile	108		112		70-130	4		30
n-Propylbenzene	92		93		70-130	1		30
1,2,3-Trichlorobenzene	83		84		70-130	1		30
1,2,4-Trichlorobenzene	76		76		70-130	0		30
1,3,5-Trimethylbenzene	90		89		70-130	1		30
1,2,4-Trimethylbenzene	90		90		70-130	0		30
1,4-Dioxane	73		76		65-136	4		30
p-Diethylbenzene	82		83		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03-05 Batch: WG1466397-3 WG1466397-4								
p-Ethyltoluene	88		88		70-130	0		30
1,2,4,5-Tetramethylbenzene	81		82		70-130	1		30
Ethyl ether	99		99		67-130	0		30
trans-1,4-Dichloro-2-butene	110		121		70-130	10		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	94		95		70-130
Toluene-d8	91		92		70-130
4-Bromofluorobenzene	82		84		70-130
Dibromofluoromethane	82		82		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 10,13-14,19,24,29 Batch: WG1466460-3 WG1466460-4								
Methylene chloride	90		89		70-130	1		30
1,1-Dichloroethane	99		99		70-130	0		30
Chloroform	86		87		70-130	1		30
Carbon tetrachloride	76		77		70-130	1		30
1,2-Dichloropropane	102		102		70-130	0		30
Dibromochloromethane	84		87		70-130	4		30
1,1,2-Trichloroethane	106		107		70-130	1		30
Tetrachloroethene	78		80		70-130	3		30
Chlorobenzene	90		90		70-130	0		30
Trichlorofluoromethane	76		75		70-139	1		30
1,2-Dichloroethane	98		99		70-130	1		30
1,1,1-Trichloroethane	82		82		70-130	0		30
Bromodichloromethane	93		94		70-130	1		30
trans-1,3-Dichloropropene	98		100		70-130	2		30
cis-1,3-Dichloropropene	84		85		70-130	1		30
1,1-Dichloropropene	86		86		70-130	0		30
Bromoform	88		90		70-130	2		30
1,1,2,2-Tetrachloroethane	111		114		70-130	3		30
Benzene	91		91		70-130	0		30
Toluene	92		92		70-130	0		30
Ethylbenzene	90		91		70-130	1		30
Chloromethane	106		103		52-130	3		30
Bromomethane	106		99		57-147	7		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 10,13-14,19,24,29 Batch: WG1466460-3 WG1466460-4								
Vinyl chloride	103		101		67-130	2		30
Chloroethane	133		134		50-151	1		30
1,1-Dichloroethene	81		81		65-135	0		30
trans-1,2-Dichloroethene	82		82		70-130	0		30
Trichloroethene	86		87		70-130	1		30
1,2-Dichlorobenzene	90		90		70-130	0		30
1,3-Dichlorobenzene	89		88		70-130	1		30
1,4-Dichlorobenzene	87		86		70-130	1		30
Methyl tert butyl ether	87		88		66-130	1		30
p/m-Xylene	89		90		70-130	1		30
o-Xylene	88		90		70-130	2		30
cis-1,2-Dichloroethene	85		85		70-130	0		30
Dibromomethane	92		92		70-130	0		30
Styrene	93		95		70-130	2		30
Dichlorodifluoromethane	68		65		30-146	5		30
Acetone	115		116		54-140	1		30
Carbon disulfide	76		75		59-130	1		30
2-Butanone	123		129		70-130	5		30
Vinyl acetate	102		107		70-130	5		30
4-Methyl-2-pentanone	105		114		70-130	8		30
1,2,3-Trichloropropane	112		113		68-130	1		30
2-Hexanone	102		110		70-130	8		30
Bromochloromethane	85		85		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 10,13-14,19,24,29 Batch: WG1466460-3 WG1466460-4								
2,2-Dichloropropane	77		77		70-130	0		30
1,2-Dibromoethane	87		89		70-130	2		30
1,3-Dichloropropane	104		106		69-130	2		30
1,1,1,2-Tetrachloroethane	92		92		70-130	0		30
Bromobenzene	86		86		70-130	0		30
n-Butylbenzene	92		92		70-130	0		30
sec-Butylbenzene	91		91		70-130	0		30
tert-Butylbenzene	86		86		70-130	0		30
o-Chlorotoluene	94		94		70-130	0		30
p-Chlorotoluene	93		93		70-130	0		30
1,2-Dibromo-3-chloropropane	81		83		68-130	2		30
Hexachlorobutadiene	76		77		67-130	1		30
Isopropylbenzene	87		87		70-130	0		30
p-Isopropyltoluene	85		86		70-130	1		30
Naphthalene	88		92		70-130	4		30
Acrylonitrile	108		112		70-130	4		30
n-Propylbenzene	92		93		70-130	1		30
1,2,3-Trichlorobenzene	83		84		70-130	1		30
1,2,4-Trichlorobenzene	76		76		70-130	0		30
1,3,5-Trimethylbenzene	90		89		70-130	1		30
1,2,4-Trimethylbenzene	90		90		70-130	0		30
1,4-Dioxane	73		76		65-136	4		30
p-Diethylbenzene	82		83		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 10,13-14,19,24,29 Batch: WG1466460-3 WG1466460-4								
p-Ethyltoluene	88		88		70-130	0		30
1,2,4,5-Tetramethylbenzene	81		82		70-130	1		30
Ethyl ether	99		99		67-130	0		30
trans-1,4-Dichloro-2-butene	110		121		70-130	10		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	94		95		70-130
Toluene-d8	91		92		70-130
4-Bromofluorobenzene	82		84		70-130
Dibromofluoromethane	82		82		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 06-08,11,16-17,20,23,26-28,30-33,41 Batch: WG1466694-3 WG1466694-4								
Methylene chloride	96		97		70-130	1		30
1,1-Dichloroethane	111		113		70-130	2		30
Chloroform	100		108		70-130	8		30
Carbon tetrachloride	117		119		70-130	2		30
1,2-Dichloropropane	110		112		70-130	2		30
Dibromochloromethane	108		110		70-130	2		30
1,1,2-Trichloroethane	94		96		70-130	2		30
Tetrachloroethene	110		113		70-130	3		30
Chlorobenzene	106		108		70-130	2		30
Trichlorofluoromethane	116		118		70-139	2		30
1,2-Dichloroethane	116		115		70-130	1		30
1,1,1-Trichloroethane	108		110		70-130	2		30
Bromodichloromethane	99		101		70-130	2		30
trans-1,3-Dichloropropene	109		110		70-130	1		30
cis-1,3-Dichloropropene	113		114		70-130	1		30
1,1-Dichloropropene	114		116		70-130	2		30
Bromoform	99		102		70-130	3		30
1,1,2,2-Tetrachloroethane	95		97		70-130	2		30
Benzene	106		108		70-130	2		30
Toluene	105		106		70-130	1		30
Ethylbenzene	105		107		70-130	2		30
Chloromethane	92		89		52-130	3		30
Bromomethane	88		92		57-147	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 06-08,11,16-17,20,23,26-28,30-33,41 Batch: WG1466694-3 WG1466694-4								
Vinyl chloride	97		96		67-130	1		30
Chloroethane	106		107		50-151	1		30
1,1-Dichloroethene	101		101		65-135	0		30
trans-1,2-Dichloroethene	106		107		70-130	1		30
Trichloroethene	103		106		70-130	3		30
1,2-Dichlorobenzene	102		105		70-130	3		30
1,3-Dichlorobenzene	104		107		70-130	3		30
1,4-Dichlorobenzene	102		105		70-130	3		30
Methyl tert butyl ether	111		111		66-130	0		30
p/m-Xylene	109		111		70-130	2		30
o-Xylene	109		110		70-130	1		30
cis-1,2-Dichloroethene	103		106		70-130	3		30
Dibromomethane	111		111		70-130	0		30
Styrene	106		107		70-130	1		30
Dichlorodifluoromethane	87		86		30-146	1		30
Acetone	107		110		54-140	3		30
Carbon disulfide	93		95		59-130	2		30
2-Butanone	91		87		70-130	4		30
Vinyl acetate	105		103		70-130	2		30
4-Methyl-2-pentanone	106		105		70-130	1		30
1,2,3-Trichloropropane	104		106		68-130	2		30
2-Hexanone	96		94		70-130	2		30
Bromochloromethane	114		114		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 06-08,11,16-17,20,23,26-28,30-33,41 Batch: WG1466694-3 WG1466694-4								
2,2-Dichloropropane	114		116		70-130	2		30
1,2-Dibromoethane	107		110		70-130	3		30
1,3-Dichloropropane	107		107		69-130	0		30
1,1,1,2-Tetrachloroethane	105		110		70-130	5		30
Bromobenzene	101		103		70-130	2		30
n-Butylbenzene	106		110		70-130	4		30
sec-Butylbenzene	107		110		70-130	3		30
tert-Butylbenzene	107		109		70-130	2		30
o-Chlorotoluene	87		90		70-130	3		30
p-Chlorotoluene	103		104		70-130	1		30
1,2-Dibromo-3-chloropropane	98		97		68-130	1		30
Hexachlorobutadiene	106		109		67-130	3		30
Isopropylbenzene	106		109		70-130	3		30
p-Isopropyltoluene	108		112		70-130	4		30
Naphthalene	105		104		70-130	1		30
Acrylonitrile	117		110		70-130	6		30
n-Propylbenzene	105		107		70-130	2		30
1,2,3-Trichlorobenzene	106		109		70-130	3		30
1,2,4-Trichlorobenzene	110		112		70-130	2		30
1,3,5-Trimethylbenzene	105		108		70-130	3		30
1,2,4-Trimethylbenzene	107		110		70-130	3		30
1,4-Dioxane	99		95		65-136	4		30
p-Diethylbenzene	109		111		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 06-08,11,16-17,20,23,26-28,30-33,41 Batch: WG1466694-3 WG1466694-4								
p-Ethyltoluene	108		110		70-130	2		30
1,2,4,5-Tetramethylbenzene	107		110		70-130	3		30
Ethyl ether	108		106		67-130	2		30
trans-1,4-Dichloro-2-butene	106		106		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	109		108		70-130
Toluene-d8	98		98		70-130
4-Bromofluorobenzene	98		97		70-130
Dibromofluoromethane	104		104		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 22 Batch: WG1466699-3 WG1466699-4								
Methylene chloride	96		97		70-130	1		30
1,1-Dichloroethane	111		113		70-130	2		30
Chloroform	100		108		70-130	8		30
Carbon tetrachloride	117		119		70-130	2		30
1,2-Dichloropropane	110		112		70-130	2		30
Dibromochloromethane	108		110		70-130	2		30
1,1,2-Trichloroethane	94		96		70-130	2		30
Tetrachloroethene	110		113		70-130	3		30
Chlorobenzene	106		108		70-130	2		30
Trichlorofluoromethane	116		118		70-139	2		30
1,2-Dichloroethane	116		115		70-130	1		30
1,1,1-Trichloroethane	108		110		70-130	2		30
Bromodichloromethane	99		101		70-130	2		30
trans-1,3-Dichloropropene	109		110		70-130	1		30
cis-1,3-Dichloropropene	113		114		70-130	1		30
1,1-Dichloropropene	114		116		70-130	2		30
Bromoform	99		102		70-130	3		30
1,1,2,2-Tetrachloroethane	95		97		70-130	2		30
Benzene	106		108		70-130	2		30
Toluene	105		106		70-130	1		30
Ethylbenzene	105		107		70-130	2		30
Chloromethane	92		89		52-130	3		30
Bromomethane	88		92		57-147	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 22 Batch: WG1466699-3 WG1466699-4								
Vinyl chloride	97		96		67-130	1		30
Chloroethane	106		107		50-151	1		30
1,1-Dichloroethene	101		101		65-135	0		30
trans-1,2-Dichloroethene	106		107		70-130	1		30
Trichloroethene	103		106		70-130	3		30
1,2-Dichlorobenzene	102		105		70-130	3		30
1,3-Dichlorobenzene	104		107		70-130	3		30
1,4-Dichlorobenzene	102		105		70-130	3		30
Methyl tert butyl ether	111		111		66-130	0		30
p/m-Xylene	109		111		70-130	2		30
o-Xylene	109		110		70-130	1		30
cis-1,2-Dichloroethene	103		106		70-130	3		30
Dibromomethane	111		111		70-130	0		30
Styrene	106		107		70-130	1		30
Dichlorodifluoromethane	87		86		30-146	1		30
Acetone	107		110		54-140	3		30
Carbon disulfide	93		95		59-130	2		30
2-Butanone	91		87		70-130	4		30
Vinyl acetate	105		103		70-130	2		30
4-Methyl-2-pentanone	106		105		70-130	1		30
1,2,3-Trichloropropane	104		106		68-130	2		30
2-Hexanone	96		94		70-130	2		30
Bromochloromethane	114		114		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 22 Batch: WG1466699-3 WG1466699-4								
2,2-Dichloropropane	114		116		70-130	2		30
1,2-Dibromoethane	107		110		70-130	3		30
1,3-Dichloropropane	107		107		69-130	0		30
1,1,1,2-Tetrachloroethane	105		110		70-130	5		30
Bromobenzene	101		103		70-130	2		30
n-Butylbenzene	106		110		70-130	4		30
sec-Butylbenzene	107		110		70-130	3		30
tert-Butylbenzene	107		109		70-130	2		30
o-Chlorotoluene	87		90		70-130	3		30
p-Chlorotoluene	103		104		70-130	1		30
1,2-Dibromo-3-chloropropane	98		97		68-130	1		30
Hexachlorobutadiene	106		109		67-130	3		30
Isopropylbenzene	106		109		70-130	3		30
p-Isopropyltoluene	108		112		70-130	4		30
Naphthalene	105		104		70-130	1		30
Acrylonitrile	117		110		70-130	6		30
n-Propylbenzene	105		107		70-130	2		30
1,2,3-Trichlorobenzene	106		109		70-130	3		30
1,2,4-Trichlorobenzene	110		112		70-130	2		30
1,3,5-Trimethylbenzene	105		108		70-130	3		30
1,2,4-Trimethylbenzene	107		110		70-130	3		30
1,4-Dioxane	99		95		65-136	4		30
p-Diethylbenzene	109		111		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 22 Batch: WG1466699-3 WG1466699-4								
p-Ethyltoluene	108		110		70-130	2		30
1,2,4,5-Tetramethylbenzene	107		110		70-130	3		30
Ethyl ether	108		106		67-130	2		30
trans-1,4-Dichloro-2-butene	106		106		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	109		108		70-130
Toluene-d8	98		98		70-130
4-Bromofluorobenzene	98		97		70-130
Dibromofluoromethane	104		104		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 22 Batch: WG1466869-3 WG1466869-4								
Methylene chloride	93		91		70-130	2		30
1,1-Dichloroethane	108		105		70-130	3		30
Chloroform	102		100		70-130	2		30
Carbon tetrachloride	111		110		70-130	1		30
1,2-Dichloropropane	106		103		70-130	3		30
Dibromochloromethane	105		103		70-130	2		30
1,1,2-Trichloroethane	92		88		70-130	4		30
Tetrachloroethene	102		101		70-130	1		30
Chlorobenzene	98		98		70-130	0		30
Trichlorofluoromethane	111		108		70-139	3		30
1,2-Dichloroethane	114		111		70-130	3		30
1,1,1-Trichloroethane	103		101		70-130	2		30
Bromodichloromethane	97		95		70-130	2		30
trans-1,3-Dichloropropene	106		104		70-130	2		30
cis-1,3-Dichloropropene	107		105		70-130	2		30
1,1-Dichloropropene	107		105		70-130	2		30
Bromoform	98		97		70-130	1		30
1,1,2,2-Tetrachloroethane	92		90		70-130	2		30
Benzene	101		99		70-130	2		30
Toluene	97		96		70-130	1		30
Ethylbenzene	97		95		70-130	2		30
Chloromethane	91		84		52-130	8		30
Bromomethane	87		84		57-147	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 22 Batch: WG1466869-3 WG1466869-4								
Vinyl chloride	93		87		67-130	7		30
Chloroethane	104		98		50-151	6		30
1,1-Dichloroethene	96		92		65-135	4		30
trans-1,2-Dichloroethene	101		97		70-130	4		30
Trichloroethene	98		97		70-130	1		30
1,2-Dichlorobenzene	97		97		70-130	0		30
1,3-Dichlorobenzene	98		98		70-130	0		30
1,4-Dichlorobenzene	98		97		70-130	1		30
Methyl tert butyl ether	109		105		66-130	4		30
p/m-Xylene	101		100		70-130	1		30
o-Xylene	101		100		70-130	1		30
cis-1,2-Dichloroethene	99		97		70-130	2		30
Dibromomethane	106		104		70-130	2		30
Styrene	99		98		70-130	1		30
Dichlorodifluoromethane	81		75		30-146	8		30
Acetone	107		97		54-140	10		30
Carbon disulfide	89		85		59-130	5		30
2-Butanone	92		86		70-130	7		30
Vinyl acetate	104		97		70-130	7		30
4-Methyl-2-pentanone	103		99		70-130	4		30
1,2,3-Trichloropropane	101		97		68-130	4		30
2-Hexanone	95		88		70-130	8		30
Bromochloromethane	110		108		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 22 Batch: WG1466869-3 WG1466869-4								
2,2-Dichloropropane	109		106		70-130	3		30
1,2-Dibromoethane	105		104		70-130	1		30
1,3-Dichloropropane	102		100		69-130	2		30
1,1,1,2-Tetrachloroethane	102		100		70-130	2		30
Bromobenzene	97		96		70-130	1		30
n-Butylbenzene	99		100		70-130	1		30
sec-Butylbenzene	99		98		70-130	1		30
tert-Butylbenzene	100		100		70-130	0		30
o-Chlorotoluene	101		98		70-130	3		30
p-Chlorotoluene	96		95		70-130	1		30
1,2-Dibromo-3-chloropropane	92		91		68-130	1		30
Hexachlorobutadiene	98		97		67-130	1		30
Isopropylbenzene	99		97		70-130	2		30
p-Isopropyltoluene	101		100		70-130	1		30
Naphthalene	96		95		70-130	1		30
Acrylonitrile	116		108		70-130	7		30
n-Propylbenzene	98		96		70-130	2		30
1,2,3-Trichlorobenzene	98		100		70-130	2		30
1,2,4-Trichlorobenzene	101		101		70-130	0		30
1,3,5-Trimethylbenzene	99		98		70-130	1		30
1,2,4-Trimethylbenzene	100		99		70-130	1		30
1,4-Dioxane	96		92		65-136	4		30
p-Diethylbenzene	100		101		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 22 Batch: WG1466869-3 WG1466869-4								
p-Ethyltoluene	100		99		70-130	1		30
1,2,4,5-Tetramethylbenzene	101		100		70-130	1		30
Ethyl ether	107		103		67-130	4		30
trans-1,4-Dichloro-2-butene	103		101		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	110		109		70-130
Toluene-d8	98		96		70-130
4-Bromofluorobenzene	99		97		70-130
Dibromofluoromethane	106		105		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 10,13-14 Batch: WG1466928-3 WG1466928-4								
Methylene chloride	86		82		70-130	5		30
1,1-Dichloroethane	104		96		70-130	8		30
Chloroform	86		80		70-130	7		30
Carbon tetrachloride	91		84		70-130	8		30
1,2-Dichloropropane	97		93		70-130	4		30
Dibromochloromethane	86		83		70-130	4		30
1,1,2-Trichloroethane	104		100		70-130	4		30
Tetrachloroethene	105		99		70-130	6		30
Chlorobenzene	102		96		70-130	6		30
Trichlorofluoromethane	92		83		70-139	10		30
1,2-Dichloroethane	88		84		70-130	5		30
1,1,1-Trichloroethane	94		87		70-130	8		30
Bromodichloromethane	87		83		70-130	5		30
trans-1,3-Dichloropropene	104		102		70-130	2		30
cis-1,3-Dichloropropene	81		79		70-130	3		30
1,1-Dichloropropene	101		93		70-130	8		30
Bromoform	90		86		70-130	5		30
1,1,2,2-Tetrachloroethane	110		108		70-130	2		30
Benzene	94		88		70-130	7		30
Toluene	110		103		70-130	7		30
Ethylbenzene	111		103		70-130	7		30
Chloromethane	112		100		52-130	11		30
Bromomethane	106		94		57-147	12		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 10,13-14 Batch: WG1466928-3 WG1466928-4								
Vinyl chloride	118		105		67-130	12		30
Chloroethane	146		130		50-151	12		30
1,1-Dichloroethene	95		88		65-135	8		30
trans-1,2-Dichloroethene	90		84		70-130	7		30
Trichloroethene	95		88		70-130	8		30
1,2-Dichlorobenzene	100		97		70-130	3		30
1,3-Dichlorobenzene	107		102		70-130	5		30
1,4-Dichlorobenzene	103		99		70-130	4		30
Methyl tert butyl ether	76		74		66-130	3		30
p/m-Xylene	110		102		70-130	8		30
o-Xylene	104		99		70-130	5		30
cis-1,2-Dichloroethene	86		80		70-130	7		30
Dibromomethane	81		77		70-130	5		30
Styrene	106		100		70-130	6		30
Dichlorodifluoromethane	63		71		30-146	12		30
Acetone	98		98		54-140	0		30
Carbon disulfide	90		79		59-130	13		30
2-Butanone	103		106		70-130	3		30
Vinyl acetate	97		94		70-130	3		30
4-Methyl-2-pentanone	98		101		70-130	3		30
1,2,3-Trichloropropane	110		107		68-130	3		30
2-Hexanone	98		98		70-130	0		30
Bromochloromethane	78		75		70-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 10,13-14 Batch: WG1466928-3 WG1466928-4								
2,2-Dichloropropane	96		88		70-130	9		30
1,2-Dibromoethane	85		82		70-130	4		30
1,3-Dichloropropane	102		100		69-130	2		30
1,1,1,2-Tetrachloroethane	99		94		70-130	5		30
Bromobenzene	96		91		70-130	5		30
n-Butylbenzene	**131**	Q	123		70-130	6		30
sec-Butylbenzene	120		113		70-130	6		30
tert-Butylbenzene	111		104		70-130	7		30
o-Chlorotoluene	114		108		70-130	5		30
p-Chlorotoluene	114		107		70-130	6		30
1,2-Dibromo-3-chloropropane	80		78		68-130	3		30
Hexachlorobutadiene	104		98		67-130	6		30
Isopropylbenzene	114		106		70-130	7		30
p-Isopropyltoluene	115		108		70-130	6		30
Naphthalene	91		91		70-130	0		30
Acrylonitrile	91		92		70-130	1		30
n-Propylbenzene	122		114		70-130	7		30
1,2,3-Trichlorobenzene	94		93		70-130	1		30
1,2,4-Trichlorobenzene	97		96		70-130	1		30
1,3,5-Trimethylbenzene	114		106		70-130	7		30
1,2,4-Trimethylbenzene	112		106		70-130	6		30
1,4-Dioxane	**61**	Q	**63**	Q	65-136	3		30
p-Diethylbenzene	115		110		70-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 10,13-14 Batch: WG1466928-3 WG1466928-4								
p-Ethyltoluene	117		109		70-130	7		30
1,2,4,5-Tetramethylbenzene	103		99		70-130	4		30
Ethyl ether	89		85		67-130	5		30
trans-1,4-Dichloro-2-butene	127		130		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	88		89		70-130
Toluene-d8	93		92		70-130
4-Bromofluorobenzene	78		77		70-130
Dibromofluoromethane	76		76		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 19 Batch: WG1467343-3 WG1467343-4								
Methylene chloride	90		94		70-130	4		30
1,1-Dichloroethane	85		89		70-130	5		30
Chloroform	84		89		70-130	6		30
Carbon tetrachloride	97		100		70-130	3		30
1,2-Dichloropropane	84		91		70-130	8		30
Dibromochloromethane	93		99		70-130	6		30
1,1,2-Trichloroethane	84		89		70-130	6		30
Tetrachloroethene	99		100		70-130	1		30
Chlorobenzene	90		94		70-130	4		30
Trichlorofluoromethane	86		86		70-139	0		30
1,2-Dichloroethane	75		83		70-130	10		30
1,1,1-Trichloroethane	88		91		70-130	3		30
Bromodichloromethane	84		90		70-130	7		30
trans-1,3-Dichloropropene	95		100		70-130	5		30
cis-1,3-Dichloropropene	85		92		70-130	8		30
1,1-Dichloropropene	89		91		70-130	2		30
Bromoform	102		105		70-130	3		30
1,1,2,2-Tetrachloroethane	82		89		70-130	8		30
Benzene	90		94		70-130	4		30
Toluene	88		91		70-130	3		30
Ethylbenzene	88		90		70-130	2		30
Chloromethane	83		82		52-130	1		30
Bromomethane	107		102		57-147	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 19 Batch: WG1467343-3 WG1467343-4								
Vinyl chloride	90		91		67-130	1		30
Chloroethane	94		93		50-151	1		30
1,1-Dichloroethene	93		94		65-135	1		30
trans-1,2-Dichloroethene	91		93		70-130	2		30
Trichloroethene	89		93		70-130	4		30
1,2-Dichlorobenzene	90		91		70-130	1		30
1,3-Dichlorobenzene	94		94		70-130	0		30
1,4-Dichlorobenzene	93		93		70-130	0		30
Methyl tert butyl ether	82		91		66-130	10		30
p/m-Xylene	88		90		70-130	2		30
o-Xylene	86		88		70-130	2		30
cis-1,2-Dichloroethene	86		89		70-130	3		30
Dibromomethane	79		85		70-130	7		30
Styrene	81		84		70-130	4		30
Dichlorodifluoromethane	79		79		30-146	0		30
Acetone	80		83		54-140	4		30
Carbon disulfide	84		84		59-130	0		30
2-Butanone	**65**	Q	76		70-130	16		30
Vinyl acetate	84		94		70-130	11		30
4-Methyl-2-pentanone	77		86		70-130	11		30
1,2,3-Trichloropropane	82		86		68-130	5		30
2-Hexanone	70		80		70-130	13		30
Bromochloromethane	83		89		70-130	7		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 19 Batch: WG1467343-3 WG1467343-4								
2,2-Dichloropropane	93		93		70-130	0		30
1,2-Dibromoethane	82		88		70-130	7		30
1,3-Dichloropropane	81		88		69-130	8		30
1,1,1,2-Tetrachloroethane	93		98		70-130	5		30
Bromobenzene	93		92		70-130	1		30
n-Butylbenzene	103		102		70-130	1		30
sec-Butylbenzene	95		95		70-130	0		30
tert-Butylbenzene	94		93		70-130	1		30
o-Chlorotoluene	93		88		70-130	6		30
p-Chlorotoluene	90		90		70-130	0		30
1,2-Dibromo-3-chloropropane	96		101		68-130	5		30
Hexachlorobutadiene	105		104		67-130	1		30
Isopropylbenzene	94		92		70-130	2		30
p-Isopropyltoluene	99		98		70-130	1		30
Naphthalene	91		95		70-130	4		30
Acrylonitrile	81		88		70-130	8		30
n-Propylbenzene	96		93		70-130	3		30
1,2,3-Trichlorobenzene	96		102		70-130	6		30
1,2,4-Trichlorobenzene	103		106		70-130	3		30
1,3,5-Trimethylbenzene	96		94		70-130	2		30
1,2,4-Trimethylbenzene	94		94		70-130	0		30
1,4-Dioxane	66		77		65-136	15		30
p-Diethylbenzene	103		101		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 19 Batch: WG1467343-3 WG1467343-4								
p-Ethyltoluene	95		94		70-130	1		30
1,2,4,5-Tetramethylbenzene	101		103		70-130	2		30
Ethyl ether	87		95		67-130	9		30
trans-1,4-Dichloro-2-butene	89		94		70-130	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	88		89		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	100		97		70-130
Dibromofluoromethane	98		100		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354

Report Date: 02/26/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 06-08,11,16-17,20,23,26-28,30-33,41 QC Batch ID: WG1466694-6 WG1466694-7 QC Sample: L2107354-27 Client ID: SB-11 (0-2)												
Methylene chloride	ND	102	88	86		100	94		70-130	16		30
1,1-Dichloroethane	ND	102	110	108		120	112		70-130	11		30
Chloroform	ND	102	110	103		120	106		70-130	10		30
Carbon tetrachloride	ND	102	130	123		140	124		70-130	8		30
1,2-Dichloropropane	ND	102	110	105		120	109		70-130	11		30
Dibromochloromethane	ND	102	100	99		120	108		70-130	16		30
1,1,2-Trichloroethane	ND	102	83	82		98	90		70-130	16		30
Tetrachloroethene	39	102	140	95		140	89		70-130	0		30
Chlorobenzene	ND	102	85	83		100	94		70-130	19		30
Trichlorofluoromethane	ND	102	120	121		140	123		70-139	9		30
1,2-Dichloroethane	ND	102	110	107		120	113		70-130	13		30
1,1,1-Trichloroethane	ND	102	120	113		130	115		70-130	9		30
Bromodichloromethane	ND	102	98	96		110	100		70-130	10		30
trans-1,3-Dichloropropene	ND	102	85	83		110	97		70-130	22		30
cis-1,3-Dichloropropene	ND	102	97	95		120	106		70-130	18		30
1,1-Dichloropropene	ND	102	110	105		120	112		70-130	13		30
Bromoform	ND	102	87	85		110	96		70-130	19		30
1,1,2,2-Tetrachloroethane	ND	102	2.6	**3**	Q	69	**64**	Q	70-130	**186**	Q	30
Benzene	ND	102	100	98		110	104		70-130	13		30
Toluene	ND	102	92	90		110	98		70-130	15		30
Ethylbenzene	ND	102	91	89		110	97		70-130	15		30
Chloromethane	ND	102	91	90		100	94		52-130	12		30
Bromomethane	ND	102	82	80		96	88		57-147	16		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354

Report Date: 02/26/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 06-08,11,16-17,20,23,26-28,30-33,41 QC Batch ID: WG1466694-6 WG1466694-7 QC Sample: L2107354-27 Client ID: SB-11 (0-2)												
Vinyl chloride	ND	102	94	92		110	99		67-130	14		30
Chloroethane	ND	102	100	98		110	103		50-151	13		30
1,1-Dichloroethene	ND	102	98	96		110	102		65-135	12		30
trans-1,2-Dichloroethene	ND	102	90	88		110	100		70-130	19		30
Trichloroethene	4.9	102	170	**163**	Q	140	120		70-130	23		30
1,2-Dichlorobenzene	ND	102	68	**66**	Q	91	83		70-130	30		30
1,3-Dichlorobenzene	ND	102	66	**64**	Q	89	82		70-130	**31**	Q	30
1,4-Dichlorobenzene	ND	102	62	**60**	Q	85	77		70-130	**31**	Q	30
Methyl tert butyl ether	ND	102	110	103		120	111		66-130	14		30
p/m-Xylene	ND	204	190	91		220	100		70-130	16		30
o-Xylene	ND	204	190	93		220	101		70-130	15		30
cis-1,2-Dichloroethene	8.2	102	97	87		110	95		70-130	15		30
Dibromomethane	ND	102	97	95		120	105		70-130	17		30
Styrene	ND	204	160	79		200	92		70-130	23		30
Dichlorodifluoromethane	ND	102	89	88		98	89		30-146	9		30
Acetone	25	102	120	92		120	91		54-140	4		30
Carbon disulfide	ND	102	77	76		95	87		59-130	21		30
2-Butanone	ND	102	84	82		97	89		70-130	15		30
Vinyl acetate	ND	102	14	**14**	Q	26	**23**	Q	70-130	**59**	Q	30
4-Methyl-2-pentanone	ND	102	93	92		110	102		70-130	18		30
1,2,3-Trichloropropane	ND	102	87	85		110	96		68-130	19		30
2-Hexanone	ND	102	83	82		100	93		70-130	20		30
Bromochloromethane	ND	102	100	102		120	111		70-130	15		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354

Report Date: 02/26/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 06-08,11,16-17,20,23,26-28,30-33,41 QC Batch ID: WG1466694-6 WG1466694-7 QC Sample: L2107354-27 Client ID: SB-11 (0-2)												
2,2-Dichloropropane	ND	102	110	112		130	115		70-130	10		30
1,2-Dibromoethane	ND	102	91	89		110	100		70-130	19		30
1,3-Dichloropropane	ND	102	93	92		110	100		69-130	16		30
1,1,1,2-Tetrachloroethane	ND	102	100	101		120	106		70-130	12		30
Bromobenzene	ND	102	73	72		94	86		70-130	25		30
n-Butylbenzene	ND	102	66	**64**	Q	87	80		70-130	29		30
sec-Butylbenzene	ND	102	84	82		100	93		70-130	20		30
tert-Butylbenzene	ND	102	92	91		110	100		70-130	17		30
o-Chlorotoluene	ND	102	79	77		98	90		70-130	22		30
p-Chlorotoluene	ND	102	69	**68**	Q	90	82		70-130	26		30
1,2-Dibromo-3-chloropropane	ND	102	79	78		100	92		68-130	24		30
Hexachlorobutadiene	ND	102	58	**57**	Q	82	75		67-130	**33**	Q	30
Isopropylbenzene	ND	102	92	90		110	99		70-130	16		30
p-Isopropyltoluene	ND	102	81	80		100	92		70-130	22		30
Naphthalene	ND	102	48	**47**	Q	81	74		70-130	**50**	Q	30
Acrylonitrile	ND	102	99	97		120	106		70-130	16		30
n-Propylbenzene	ND	102	80	79		99	90		70-130	21		30
1,2,3-Trichlorobenzene	ND	102	46	**45**	Q	75	**68**	Q	70-130	**48**	Q	30
1,2,4-Trichlorobenzene	ND	102	44	**43**	Q	71	**65**	Q	70-130	**47**	Q	30
1,3,5-Trimethylbenzene	ND	102	85	84		100	93		70-130	18		30
1,2,4-Trimethylbenzene	0.44J	102	82	80		100	92		70-130	21		30
1,4-Dioxane	ND	5090	4800	95		4800	88		65-136	0		30
p-Diethylbenzene	ND	102	73	71		93	85		70-130	25		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354

Report Date: 02/26/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 06-08,11,16-17,20,23,26-28,30-33,41 QC Batch ID: WG1466694-6 WG1466694-7 QC Sample: L2107354-27 Client ID: SB-11 (0-2)												
p-Ethyltoluene	ND	102	82	80		100	92		70-130	20		30
1,2,4,5-Tetramethylbenzene	ND	102	69	**68**	Q	91	83		70-130	28		30
Ethyl ether	ND	102	95	94		110	102		67-130	16		30
trans-1,4-Dichloro-2-butene	ND	102	73	72		99	91		70-130	30		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		112		70-130
4-Bromofluorobenzene	93		98		70-130
Dibromofluoromethane	104		107		70-130
Toluene-d8	98		98		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354

Report Date: 02/26/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 06-08,11,16-17,20,23,26-28,30-33,41 QC Batch ID: WG1466694-8 WG1466694-9 QC Sample: L2107354-32 Client ID: SB-13 (0-2)												
Methylene chloride	ND	87.1	81	93		71	81		70-130	13		30
1,1-Dichloroethane	ND	87.1	95	109		84	95		70-130	12		30
Chloroform	ND	87.1	91	105		80	91		70-130	13		30
Carbon tetrachloride	ND	87.1	110	120		93	105		70-130	12		30
1,2-Dichloropropane	ND	87.1	93	107		82	92		70-130	13		30
Dibromochloromethane	ND	87.1	92	106		81	92		70-130	13		30
1,1,2-Trichloroethane	ND	87.1	75	86		67	76		70-130	12		30
Tetrachloroethene	0.49	87.1	90	103		81	91		70-130	11		30
Chlorobenzene	ND	87.1	85	97		75	85		70-130	12		30
Trichlorofluoromethane	ND	87.1	110	120		92	104		70-139	13		30
1,2-Dichloroethane	ND	87.1	97	111		84	95		70-130	14		30
1,1,1-Trichloroethane	ND	87.1	97	111		85	96		70-130	13		30
Bromodichloromethane	ND	87.1	85	98		75	85		70-130	12		30
trans-1,3-Dichloropropene	ND	87.1	89	102		77	87		70-130	14		30
cis-1,3-Dichloropropene	ND	87.1	93	107		83	93		70-130	12		30
1,1-Dichloropropene	ND	87.1	98	112		88	99		70-130	11		30
Bromoform	ND	87.1	83	95		73	83		70-130	12		30
1,1,2,2-Tetrachloroethane	ND	87.1	70	80		62	70		70-130	12		30
Benzene	ND	87.1	90	103		80	90		70-130	12		30
Toluene	ND	87.1	85	98		76	86		70-130	12		30
Ethylbenzene	ND	87.1	85	97		76	86		70-130	11		30
Chloromethane	ND	87.1	78	90		68	77		52-130	14		30
Bromomethane	ND	87.1	77	88		68	77		57-147	12		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354

Report Date: 02/26/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 06-08,11,16-17,20,23,26-28,30-33,41 QC Batch ID: WG1466694-8 WG1466694-9 QC Sample: L2107354-32 Client ID: SB-13 (0-2)												
Vinyl chloride	0.94	87.1	85	97		75	84		67-130	13		30
Chloroethane	ND	87.1	89	102		79	89		50-151	12		30
1,1-Dichloroethene	ND	87.1	88	101		79	89		65-135	12		30
trans-1,2-Dichloroethene	ND	87.1	90	103		79	89		70-130	13		30
Trichloroethene	ND	87.1	93	106		81	91		70-130	14		30
1,2-Dichlorobenzene	ND	87.1	78	90		71	80		70-130	10		30
1,3-Dichlorobenzene	ND	87.1	77	88		70	79		70-130	9		30
1,4-Dichlorobenzene	ND	87.1	74	85		67	76		70-130	10		30
Methyl tert butyl ether	ND	87.1	93	107		81	92		66-130	14		30
p/m-Xylene	ND	174	170	100		160	88		70-130	11		30
o-Xylene	ND	174	180	100		160	89		70-130	11		30
cis-1,2-Dichloroethene	19	87.1	100	95		88	78		70-130	15		30
Dibromomethane	ND	87.1	92	106		81	91		70-130	13		30
Styrene	ND	174	170	98		150	86		70-130	11		30
Dichlorodifluoromethane	ND	87.1	75	86		66	74		30-146	14		30
Acetone	6.6J	87.1	90	104		78	89		54-140	14		30
Carbon disulfide	ND	87.1	80	92		71	80		59-130	12		30
2-Butanone	ND	87.1	76	88		65	73		70-130	17		30
Vinyl acetate	ND	87.1	57	**66**	Q	54	**62**	Q	70-130	5		30
4-Methyl-2-pentanone	ND	87.1	85	98		74	83		70-130	14		30
1,2,3-Trichloropropane	ND	87.1	81	93		72	81		68-130	12		30
2-Hexanone	ND	87.1	79	90		66	75		70-130	17		30
Bromochloromethane	ND	87.1	96	110		86	97		70-130	12		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354

Report Date: 02/26/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 06-08,11,16-17,20,23,26-28,30-33,41 QC Batch ID: WG1466694-8 WG1466694-9 QC Sample: L2107354-32 Client ID: SB-13 (0-2)												
2,2-Dichloropropane	ND	87.1	97	111		86	97		70-130	12		30
1,2-Dibromoethane	ND	87.1	88	101		76	86		70-130	14		30
1,3-Dichloropropane	ND	87.1	86	99		76	86		69-130	12		30
1,1,1,2-Tetrachloroethane	ND	87.1	90	104		80	91		70-130	12		30
Bromobenzene	ND	87.1	79	91		71	80		70-130	11		30
n-Butylbenzene	ND	87.1	76	87		70	79		70-130	8		30
sec-Butylbenzene	ND	87.1	83	95		76	86		70-130	9		30
tert-Butylbenzene	ND	87.1	86	98		78	88		70-130	10		30
o-Chlorotoluene	ND	87.1	81	93		72	82		70-130	12		30
p-Chlorotoluene	ND	87.1	76	87		69	78		70-130	10		30
1,2-Dibromo-3-chloropropane	ND	87.1	81	93		70	79		68-130	14		30
Hexachlorobutadiene	ND	87.1	73	83		69	78		67-130	5		30
Isopropylbenzene	ND	87.1	84	96		76	86		70-130	10		30
p-Isopropyltoluene	ND	87.1	82	94		74	84		70-130	9		30
Naphthalene	ND	87.1	78	89		70	79		70-130	11		30
Acrylonitrile	ND	87.1	91	104		79	89		70-130	14		30
n-Propylbenzene	ND	87.1	80	92		73	83		70-130	9		30
1,2,3-Trichlorobenzene	ND	87.1	73	84		67	76		70-130	9		30
1,2,4-Trichlorobenzene	ND	87.1	70	81		65	73		70-130	8		30
1,3,5-Trimethylbenzene	ND	87.1	81	93		74	83		70-130	10		30
1,2,4-Trimethylbenzene	ND	87.1	81	92		73	83		70-130	10		30
1,4-Dioxane	ND	4360	4300	98		3900	88		65-136	10		30
p-Diethylbenzene	ND	87.1	78	90		71	80		70-130	10		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354

Report Date: 02/26/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 06-08,11,16-17,20,23,26-28,30-33,41 QC Batch ID: WG1466694-8 WG1466694-9 QC Sample: L2107354-32 Client ID: SB-13 (0-2)												
p-Ethyltoluene	ND	87.1	81	93		74	84		70-130	9		30
1,2,4,5-Tetramethylbenzene	ND	87.1	78	89		71	80		70-130	9		30
Ethyl ether	ND	87.1	88	101		78	88		67-130	12		30
trans-1,4-Dichloro-2-butene	ND	87.1	77	89		68	77		70-130	13		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		111		70-130
4-Bromofluorobenzene	95		96		70-130
Dibromofluoromethane	107		107		70-130
Toluene-d8	97		97		70-130

SEMIVOLATILES

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-01
Client ID: SB-1 (0-1)
Sample Location: BRONX, NY

Date Collected: 02/15/21 14:15
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 02/18/21 08:06
Analyst: JG
Percent Solids: 77%

Extraction Method: EPA 3546
Extraction Date: 02/17/21 07:53

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	220	25.	1
Hexachlorobenzene	ND		ug/kg	130	24.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	29.	1
2-Chloronaphthalene	ND		ug/kg	220	21.	1
1,2-Dichlorobenzene	ND		ug/kg	220	39.	1
1,3-Dichlorobenzene	ND		ug/kg	220	37.	1
1,4-Dichlorobenzene	ND		ug/kg	220	38.	1
3,3'-Dichlorobenzidine	ND		ug/kg	220	57.	1
2,4-Dinitrotoluene	ND		ug/kg	220	43.	1
2,6-Dinitrotoluene	ND		ug/kg	220	37.	1
Fluoranthene	ND		ug/kg	130	25.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	220	23.	1
4-Bromophenyl phenyl ether	ND		ug/kg	220	33.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	260	37.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	22.	1
Hexachlorobutadiene	ND		ug/kg	220	32.	1
Hexachlorocyclopentadiene	ND		ug/kg	620	200	1
Hexachloroethane	ND		ug/kg	170	35.	1
Isophorone	ND		ug/kg	190	28.	1
Naphthalene	ND		ug/kg	220	26.	1
Nitrobenzene	ND		ug/kg	190	32.	1
NDPA/DPA	ND		ug/kg	170	24.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	220	33.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	220	74.	1
Butyl benzyl phthalate	ND		ug/kg	220	54.	1
Di-n-butylphthalate	ND		ug/kg	220	41.	1
Di-n-octylphthalate	ND		ug/kg	220	73.	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-01 Date Collected: 02/15/21 14:15

Client ID: SB-1 (0-1) Date Received: 02/16/21

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	220	20.	1
Dimethyl phthalate	ND		ug/kg	220	45.	1
Benzo(a)anthracene	ND		ug/kg	130	24.	1
Benzo(a)pyrene	ND		ug/kg	170	52.	1
Benzo(b)fluoranthene	ND		ug/kg	130	36.	1
Benzo(k)fluoranthene	ND		ug/kg	130	34.	1
Chrysene	ND		ug/kg	130	22.	1
Acenaphthylene	ND		ug/kg	170	33.	1
Anthracene	ND		ug/kg	130	42.	1
Benzo(ghi)perylene	ND		ug/kg	170	25.	1
Fluorene	ND		ug/kg	220	21.	1
Phenanthrene	ND		ug/kg	130	26.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	25.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	170	30.	1
Pyrene	ND		ug/kg	130	21.	1
Biphenyl	ND		ug/kg	490	50.	1
4-Chloroaniline	ND		ug/kg	220	39.	1
2-Nitroaniline	ND		ug/kg	220	42.	1
3-Nitroaniline	ND		ug/kg	220	41.	1
4-Nitroaniline	ND		ug/kg	220	89.	1
Dibenzofuran	ND		ug/kg	220	20.	1
2-Methylnaphthalene	ND		ug/kg	260	26.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	220	22.	1
Acetophenone	ND		ug/kg	220	27.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	41.	1
p-Chloro-m-cresol	ND		ug/kg	220	32.	1
2-Chlorophenol	ND		ug/kg	220	25.	1
2,4-Dichlorophenol	ND		ug/kg	190	35.	1
2,4-Dimethylphenol	ND		ug/kg	220	71.	1
2-Nitrophenol	ND		ug/kg	460	81.	1
4-Nitrophenol	ND		ug/kg	300	88.	1
2,4-Dinitrophenol	ND		ug/kg	1000	100	1
4,6-Dinitro-o-cresol	ND		ug/kg	560	100	1
Pentachlorophenol	ND		ug/kg	170	47.	1
Phenol	ND		ug/kg	220	32.	1
2-Methylphenol	ND		ug/kg	220	33.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	310	34.	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-01 Date Collected: 02/15/21 14:15

Client ID: SB-1 (0-1) Date Received: 02/16/21

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	220	41.	1
Benzoic Acid	ND		ug/kg	700	220	1
Benzyl Alcohol	ND		ug/kg	220	66.	1
Carbazole	ND		ug/kg	220	21.	1
1,4-Dioxane	ND		ug/kg	32	9.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	68		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	94		10-136
4-Terphenyl-d14	72		18-120

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-01
Client ID: SB-1 (0-1)
Sample Location: BRONX, NY

Date Collected: 02/15/21 14:15
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/17/21 16:09
Analyst: SG
Percent Solids: 77%

Extraction Method: ALPHA 23528
Extraction Date: 02/17/21 09:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.637	0.029	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.637	0.059	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.319	0.050	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.637	0.067	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.319	0.058	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.319	0.077	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.319	0.053	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.637	0.229	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.637	0.174	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.319	0.096	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.319	0.166	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.319	0.085	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.637	0.366	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.637	0.257	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.637	0.060	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.637	0.195	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.637	0.125	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.637	0.108	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.637	0.089	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.637	0.261	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.637	0.069	1
PFOA/PFOS, Total	ND		ng/g	0.319	0.053	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-01 Date Collected: 02/15/21 14:15

Client ID: SB-1 (0-1) Date Received: 02/16/21

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 (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	121		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	135		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**142**	Q	74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**133**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	128		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	138		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	124		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	64		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	126		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	129		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	126		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	81		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	87		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	125		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	33		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	86		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	116		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	99		24-159

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-03
Client ID: SB-1 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 14:25
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 02/18/21 04:33
Analyst: JG
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 02/17/21 07:53

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	31.	1
1,3-Dichlorobenzene	ND		ug/kg	180	30.	1
1,4-Dichlorobenzene	ND		ug/kg	180	30.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	46.	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: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-03 Date Collected: 02/15/21 14:25

Client ID: SB-1 (2-3) Date Received: 02/16/21

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	29.	1
Benzo(k)fluoranthene	ND		ug/kg	100	28.	1
Chrysene	ND		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	27.	1
Anthracene	ND		ug/kg	100	34.	1
Benzo(ghi)perylene	ND		ug/kg	140	20.	1
Fluorene	ND		ug/kg	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	72.	1
Dibenzofuran	ND		ug/kg	180	16.	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	71.	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	38.	1
Phenol	ND		ug/kg	180	26.	1
2-Methylphenol	ND		ug/kg	180	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	27.	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-03 Date Collected: 02/15/21 14:25

Client ID: SB-1 (2-3) Date Received: 02/16/21

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
1,4-Dioxane	ND		ug/kg	26	8.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	68		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	103		10-136
4-Terphenyl-d14	81		18-120

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-03
Client ID: SB-1 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 14:25
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/17/21 16:25
Analyst: SG
Percent Solids: 93%

Extraction Method: ALPHA 23528
Extraction Date: 02/17/21 09:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.512	0.023	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.512	0.047	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.256	0.040	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.512	0.054	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.256	0.046	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.256	0.062	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.256	0.043	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.512	0.184	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.512	0.140	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.256	0.077	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.256	0.133	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.256	0.069	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.512	0.294	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.512	0.206	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.512	0.048	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.512	0.157	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.512	0.100	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.512	0.087	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.512	0.072	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.512	0.209	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.512	0.055	1
PFOA/PFOS, Total	ND		ng/g	0.256	0.043	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-03 Date Collected: 02/15/21 14:25

Client ID: SB-1 (2-3) Date Received: 02/16/21

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 (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	105		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	117		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	122		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	113		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	109		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	113		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	109		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	53		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	104		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	114		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	108		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	69		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	78		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	108		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	19		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	74		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	102		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	84		24-159

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-04
Client ID: SB-2 (0-2)
Sample Location: BRONX, NY

Date Collected: 02/15/21 10:05
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 02/18/21 08:29
Analyst: JG
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 02/17/21 07:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	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	ND		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	67.	1
Butyl benzyl phthalate	ND		ug/kg	190	49.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	66.	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-04 Date Collected: 02/15/21 10:05

Client ID: SB-2 (0-2) Date Received: 02/16/21

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	120	22.	1
Benzo(a)pyrene	ND		ug/kg	150	47.	1
Benzo(b)fluoranthene	ND		ug/kg	120	32.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	21	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	ND		ug/kg	120	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	27.	1
Pyrene	ND		ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	45.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	80.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	29.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	64.	1
2-Nitrophenol	ND		ug/kg	420	72.	1
4-Nitrophenol	ND		ug/kg	270	79.	1
2,4-Dinitrophenol	ND		ug/kg	920	90.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	92.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-04 Date Collected: 02/15/21 10:05

Client ID: SB-2 (0-2) Date Received: 02/16/21

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
1,4-Dioxane	ND		ug/kg	29	8.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		25-120
Phenol-d6	68		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	97		10-136
4-Terphenyl-d14	63		18-120

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-04
Client ID: SB-2 (0-2)
Sample Location: BRONX, NY

Date Collected: 02/15/21 10:05
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/17/21 16:42
Analyst: SG
Percent Solids: 86%

Extraction Method: ALPHA 23528
Extraction Date: 02/17/21 09:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.516	0.023	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.516	0.047	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.258	0.040	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.516	0.054	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.258	0.047	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.258	0.062	1
Perfluorooctanoic Acid (PFOA)	0.155	J	ng/g	0.258	0.043	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.516	0.185	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.516	0.141	1
Perfluorononanoic Acid (PFNA)	0.141	J	ng/g	0.258	0.077	1
Perfluorooctanesulfonic Acid (PFOS)	0.417		ng/g	0.258	0.134	1
Perfluorodecanoic Acid (PFDA)	0.093	J	ng/g	0.258	0.069	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.516	0.296	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.516	0.208	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.516	0.048	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.516	0.158	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.516	0.101	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.516	0.087	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.516	0.072	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.516	0.211	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.516	0.056	1
PFOA/PFOS, Total	0.572	J	ng/g	0.258	0.043	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-04 Date Collected: 02/15/21 10:05

Client ID: SB-2 (0-2) Date Received: 02/16/21

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 (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	103		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	115		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	119		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	112		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	107		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	117		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	105		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	53		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	100		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	108		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	105		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	66		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	69		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	105		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	57		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	71		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	98		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	83		24-159

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-05
Client ID: SB-2 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 10:10
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 02/18/21 01:24
Analyst: JG
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 02/17/21 07:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	ND		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	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	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-05 Date Collected: 02/15/21 10:10

Client ID: SB-2 (2-3) Date Received: 02/16/21

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	84.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	87.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-05 Date Collected: 02/15/21 10:10

Client ID: SB-2 (2-3) Date Received: 02/16/21

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	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	ND		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		25-120
Phenol-d6	65		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	76		30-120
2,4,6-Tribromophenol	99		10-136
4-Terphenyl-d14	77		18-120

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-05
Client ID: SB-2 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 10:10
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/17/21 16:59
Analyst: SG
Percent Solids: 91%

Extraction Method: ALPHA 23528
Extraction Date: 02/17/21 09:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.534	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.534	0.049	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.267	0.042	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.534	0.056	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.267	0.048	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.267	0.065	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.267	0.045	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.534	0.192	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.534	0.146	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.267	0.080	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.267	0.139	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.267	0.072	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.534	0.307	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.534	0.215	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.534	0.050	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.534	0.164	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.534	0.105	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.534	0.090	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.534	0.075	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.534	0.219	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.534	0.058	1
PFOA/PFOS, Total	ND		ng/g	0.267	0.045	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-05 Date Collected: 02/15/21 10:10

Client ID: SB-2 (2-3) Date Received: 02/16/21

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 (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	108		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	120		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	123		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	117		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	113		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	121		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	110		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	55		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	104		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	111		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	111		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	66		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	77		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	106		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	27		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	72		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	101		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	87		24-159

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-06
Client ID: SB-3 (0-2)
Sample Location: BRONX, NY

Date Collected: 02/15/21 11:30
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 02/18/21 07:42
Analyst: JG
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 02/17/21 07:53

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

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-06 Date Collected: 02/15/21 11:30

Client ID: SB-3 (0-2) Date Received: 02/16/21

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	41.	1
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	160	48.	1
Benzo(b)fluoranthene	ND		ug/kg	120	33.	1
Benzo(k)fluoranthene	ND		ug/kg	120	32.	1
Chrysene	ND		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	160	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	ND		ug/kg	160	23.	1
Fluorene	ND		ug/kg	200	19.	1
Phenanthrene	ND		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	27.	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	37.	1
4-Nitroaniline	ND		ug/kg	200	82.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	20.	1
Acetophenone	ND		ug/kg	200	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	200	29.	1
2-Chlorophenol	ND		ug/kg	200	23.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	65.	1
2-Nitrophenol	ND		ug/kg	420	74.	1
4-Nitrophenol	ND		ug/kg	280	80.	1
2,4-Dinitrophenol	ND		ug/kg	940	92.	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	94.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	31.	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-06 Date Collected: 02/15/21 11:30

Client ID: SB-3 (0-2) Date Received: 02/16/21

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	60.	1
Carbazole	ND		ug/kg	200	19.	1
1,4-Dioxane	ND		ug/kg	30	9.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		25-120
Phenol-d6	65		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	85		10-136
4-Terphenyl-d14	59		18-120

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-06
Client ID: SB-3 (0-2)
Sample Location: BRONX, NY

Date Collected: 02/15/21 11:30
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/17/21 17:15
Analyst: SG
Percent Solids: 83%

Extraction Method: ALPHA 23528
Extraction Date: 02/17/21 09:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.540	0.025	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.540	0.050	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.270	0.042	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.540	0.057	1
Perfluoroheptanoic Acid (PFHpA)	0.051	J	ng/g	0.270	0.049	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.270	0.065	1
Perfluorooctanoic Acid (PFOA)	0.391		ng/g	0.270	0.045	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.540	0.194	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.540	0.148	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.270	0.081	1
Perfluorooctanesulfonic Acid (PFOS)	0.191	J	ng/g	0.270	0.140	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.270	0.072	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.540	0.310	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.540	0.218	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.540	0.051	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.540	0.165	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.540	0.106	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.540	0.091	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.540	0.076	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.540	0.221	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.540	0.058	1
PFOA/PFOS, Total	0.582	J	ng/g	0.270	0.045	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-06 Date Collected: 02/15/21 11:30

Client ID: SB-3 (0-2) Date Received: 02/16/21

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 (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	103		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	116		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	113		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	113		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	107		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	111		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	105		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	49		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	107		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	106		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	107		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	70		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	69		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	107		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	70		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	71		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	98		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	82		24-159

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-07
Client ID: SB-3 (0-2)_DUP
Sample Location: BRONX, NY

Date Collected: 02/15/21 11:40
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 02/18/21 06:31
Analyst: JG
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 02/17/21 07:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	ND		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	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: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-07 Date Collected: 02/15/21 11:40

Client ID: SB-3 (0-2)_DUP Date Received: 02/16/21

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	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	ND		ug/kg	110	32.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	37.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	ND		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	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	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: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-07 Date Collected: 02/15/21 11:40

Client ID: SB-3 (0-2)_DUP Date Received: 02/16/21

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
1,4-Dioxane	ND		ug/kg	28	8.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		25-120
Phenol-d6	60		10-120
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	64		30-120
2,4,6-Tribromophenol	81		10-136
4-Terphenyl-d14	55		18-120

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-07
Client ID: SB-3 (0-2)_DUP
Sample Location: BRONX, NY

Date Collected: 02/15/21 11:40
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/17/21 17:32
Analyst: SG
Percent Solids: 88%

Extraction Method: ALPHA 23528
Extraction Date: 02/17/21 09:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.538	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.538	0.050	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.269	0.042	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.538	0.057	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.269	0.049	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.269	0.065	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.269	0.045	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.538	0.193	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.538	0.147	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.269	0.081	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.269	0.140	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.269	0.072	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.538	0.309	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.538	0.217	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.538	0.050	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.538	0.165	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.538	0.106	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.538	0.091	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.538	0.075	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.538	0.220	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.538	0.058	1
PFOA/PFOS, Total	ND		ng/g	0.269	0.045	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-07 Date Collected: 02/15/21 11:40

Client ID: SB-3 (0-2)_DUP Date Received: 02/16/21

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 (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	107		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	119		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	120		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	114		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	108		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	119		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	107		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	53		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	106		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	107		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	110		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	68		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	79		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	110		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	90		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	75		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	103		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	86		24-159

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-08
Client ID: SB-3 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 11:35
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 02/18/21 06:07
Analyst: JG
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 02/17/21 07:53

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: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-08 Date Collected: 02/15/21 11:35

Client ID: SB-3 (2-3) Date Received: 02/16/21

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: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-08 Date Collected: 02/15/21 11:35

Client ID: SB-3 (2-3) Date Received: 02/16/21

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
1,4-Dioxane	ND		ug/kg	28	8.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		25-120
Phenol-d6	65		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	76		30-120
2,4,6-Tribromophenol	95		10-136
4-Terphenyl-d14	75		18-120

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-08
Client ID: SB-3 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 11:35
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/17/21 17:48
Analyst: SG
Percent Solids: 88%

Extraction Method: ALPHA 23528
Extraction Date: 02/17/21 09:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.542	0.025	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.542	0.050	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.271	0.042	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.542	0.057	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.271	0.049	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.271	0.066	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.271	0.045	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	0.410	JF	ng/g	0.542	0.194	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.542	0.148	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.271	0.081	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.271	0.141	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.271	0.073	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.542	0.311	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.542	0.218	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.542	0.051	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.542	0.166	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.542	0.106	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.542	0.092	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.542	0.076	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.542	0.222	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.542	0.059	1
PFOA/PFOS, Total	ND		ng/g	0.271	0.045	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-08 Date Collected: 02/15/21 11:35

Client ID: SB-3 (2-3) Date Received: 02/16/21

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 (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	109		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	123		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	118		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	115		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	113		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	118		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	110		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	61		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	108		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	110		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	113		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	79		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	74		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	115		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	31		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	73		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	107		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	89		24-159

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-10
Client ID: SB-4 (1-2)
Sample Location: BRONX, NY

Date Collected: 02/15/21 13:50
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 02/18/21 05:20
Analyst: JG
Percent Solids: 78%

Extraction Method: EPA 3546
Extraction Date: 02/17/21 07:53

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	29.	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	37.	1
1,4-Dichlorobenzene	ND		ug/kg	210	37.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	57.	1
2,4-Dinitrotoluene	ND		ug/kg	210	43.	1
2,6-Dinitrotoluene	ND		ug/kg	210	37.	1
Fluoranthene	ND		ug/kg	130	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	23.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	32.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	260	36.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	21.	1
Hexachlorobutadiene	ND		ug/kg	210	31.	1
Hexachlorocyclopentadiene	ND		ug/kg	610	190	1
Hexachloroethane	ND		ug/kg	170	34.	1
Isophorone	ND		ug/kg	190	28.	1
Naphthalene	ND		ug/kg	210	26.	1
Nitrobenzene	ND		ug/kg	190	32.	1
NDPA/DPA	ND		ug/kg	170	24.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	33.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	74.	1
Butyl benzyl phthalate	ND		ug/kg	210	54.	1
Di-n-butylphthalate	ND		ug/kg	210	40.	1
Di-n-octylphthalate	ND		ug/kg	210	72.	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-10 Date Collected: 02/15/21 13:50

Client ID: SB-4 (1-2) Date Received: 02/16/21

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	20.	1
Dimethyl phthalate	ND		ug/kg	210	45.	1
Benzo(a)anthracene	ND		ug/kg	130	24.	1
Benzo(a)pyrene	ND		ug/kg	170	52.	1
Benzo(b)fluoranthene	ND		ug/kg	130	36.	1
Benzo(k)fluoranthene	ND		ug/kg	130	34.	1
Chrysene	ND		ug/kg	130	22.	1
Acenaphthylene	ND		ug/kg	170	33.	1
Anthracene	ND		ug/kg	130	42.	1
Benzo(ghi)perylene	ND		ug/kg	170	25.	1
Fluorene	ND		ug/kg	210	21.	1
Phenanthrene	ND		ug/kg	130	26.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	25.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	170	30.	1
Pyrene	ND		ug/kg	130	21.	1
Biphenyl	ND		ug/kg	490	50.	1
4-Chloroaniline	ND		ug/kg	210	39.	1
2-Nitroaniline	ND		ug/kg	210	41.	1
3-Nitroaniline	ND		ug/kg	210	40.	1
4-Nitroaniline	ND		ug/kg	210	88.	1
Dibenzofuran	ND		ug/kg	210	20.	1
2-Methylnaphthalene	ND		ug/kg	260	26.	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	32.	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	70.	1
2-Nitrophenol	ND		ug/kg	460	80.	1
4-Nitrophenol	ND		ug/kg	300	87.	1
2,4-Dinitrophenol	ND		ug/kg	1000	99.	1
4,6-Dinitro-o-cresol	ND		ug/kg	550	100	1
Pentachlorophenol	ND		ug/kg	170	47.	1
Phenol	ND		ug/kg	210	32.	1
2-Methylphenol	ND		ug/kg	210	33.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	310	33.	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-10 Date Collected: 02/15/21 13:50

Client ID: SB-4 (1-2) Date Received: 02/16/21

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	41.	1
Benzoic Acid	ND		ug/kg	690	220	1
Benzyl Alcohol	ND		ug/kg	210	65.	1
Carbazole	ND		ug/kg	210	21.	1
1,4-Dioxane	ND		ug/kg	32	9.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		25-120
Phenol-d6	64		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	88		10-136
4-Terphenyl-d14	65		18-120

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-10
Client ID: SB-4 (1-2)
Sample Location: BRONX, NY

Date Collected: 02/15/21 13:50
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/17/21 18:05
Analyst: SG
Percent Solids: 78%

Extraction Method: ALPHA 23528
Extraction Date: 02/17/21 09:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.571	0.026	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.571	0.053	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.285	0.045	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.571	0.060	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.285	0.052	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.285	0.069	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.285	0.048	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.571	0.205	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.571	0.156	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.285	0.086	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.285	0.148	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.285	0.077	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.571	0.328	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.571	0.230	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.571	0.053	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.571	0.175	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.571	0.112	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.571	0.096	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.571	0.080	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.571	0.233	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.571	0.062	1
PFOA/PFOS, Total	ND		ng/g	0.285	0.048	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-10 Date Collected: 02/15/21 13:50

Client ID: SB-4 (1-2) Date Received: 02/16/21

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 (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	109		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	121		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	125		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	116		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	110		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	122		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	110		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	53		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	105		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	111		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	109		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	72		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	83		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	106		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	15		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	72		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	101		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	88		24-159

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-11
Client ID: SB-4 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 13:55
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 02/18/21 04:09
Analyst: JG
Percent Solids: 77%

Extraction Method: EPA 3546
Extraction Date: 02/17/21 07:53

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	29.	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	23.	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	33.	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	72.	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-11 Date Collected: 02/15/21 13:55

Client ID: SB-4 (2-3) Date Received: 02/16/21

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	20.	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	52.	1
Benzo(b)fluoranthene	ND		ug/kg	130	36.	1
Benzo(k)fluoranthene	ND		ug/kg	130	34.	1
Chrysene	ND		ug/kg	130	22.	1
Acenaphthylene	ND		ug/kg	170	33.	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	30.	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	41.	1
3-Nitroaniline	ND		ug/kg	210	40.	1
4-Nitroaniline	ND		ug/kg	210	88.	1
Dibenzofuran	ND		ug/kg	210	20.	1
2-Methylnaphthalene	ND		ug/kg	250	26.	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	32.	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	70.	1
2-Nitrophenol	ND		ug/kg	460	80.	1
4-Nitrophenol	ND		ug/kg	300	86.	1
2,4-Dinitrophenol	ND		ug/kg	1000	99.	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	33.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	33.	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-11 Date Collected: 02/15/21 13:55

Client ID: SB-4 (2-3) Date Received: 02/16/21

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	65.	1
Carbazole	ND		ug/kg	210	20.	1
1,4-Dioxane	ND		ug/kg	32	9.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		25-120
Phenol-d6	64		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	96		10-136
4-Terphenyl-d14	65		18-120

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-11
Client ID: SB-4 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 13:55
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/17/21 18:21
Analyst: SG
Percent Solids: 77%

Extraction Method: ALPHA 23528
Extraction Date: 02/17/21 09:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.612	0.028	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.612	0.056	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.306	0.048	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.612	0.064	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.306	0.055	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.306	0.074	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.306	0.051	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.612	0.220	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.612	0.167	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.306	0.092	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.306	0.159	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.306	0.082	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.612	0.351	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.612	0.247	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.612	0.057	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.612	0.187	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.612	0.120	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.612	0.103	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.612	0.086	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.612	0.250	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.612	0.066	1
PFOA/PFOS, Total	ND		ng/g	0.306	0.051	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-11 Date Collected: 02/15/21 13:55

Client ID: SB-4 (2-3) Date Received: 02/16/21

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 (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	110		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	122		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	127		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	115		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	114		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	125		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	112		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	63		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	110		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	117		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	111		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	76		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	88		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	116		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	15		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	77		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	106		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	88		24-159

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-13
Client ID: SB-5 (1-2)
Sample Location: BRONX, NY

Date Collected: 02/15/21 14:50
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 02/18/21 06:55
Analyst: JG
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 02/17/21 07:53

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	35.	1
1,4-Dichlorobenzene	ND		ug/kg	200	35.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	40.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	ND		ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	31.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	20.	1
Hexachlorobutadiene	ND		ug/kg	200	30.	1
Hexachlorocyclopentadiene	ND		ug/kg	580	180	1
Hexachloroethane	ND		ug/kg	160	33.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	ND		ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	31.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	70.	1
Butyl benzyl phthalate	ND		ug/kg	200	51.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	68.	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-13 Date Collected: 02/15/21 14:50

Client ID: SB-5 (1-2) Date Received: 02/16/21

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	19.	1
Dimethyl phthalate	ND		ug/kg	200	42.	1
Benzo(a)anthracene	ND		ug/kg	120	23.	1
Benzo(a)pyrene	ND		ug/kg	160	49.	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	24.	1
Fluorene	ND		ug/kg	200	20.	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	460	47.	1
4-Chloroaniline	ND		ug/kg	200	37.	1
2-Nitroaniline	ND		ug/kg	200	39.	1
3-Nitroaniline	ND		ug/kg	200	38.	1
4-Nitroaniline	ND		ug/kg	200	83.	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	440	76.	1
4-Nitrophenol	ND		ug/kg	280	82.	1
2,4-Dinitrophenol	ND		ug/kg	970	94.	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	97.	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	32.	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-13 Date Collected: 02/15/21 14:50

Client ID: SB-5 (1-2) Date Received: 02/16/21

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	39.	1
Benzoic Acid	ND		ug/kg	650	200	1
Benzyl Alcohol	ND		ug/kg	200	62.	1
Carbazole	ND		ug/kg	200	20.	1
1,4-Dioxane	ND		ug/kg	30	9.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		25-120
Phenol-d6	66		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	75		30-120
2,4,6-Tribromophenol	92		10-136
4-Terphenyl-d14	62		18-120

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-13
Client ID: SB-5 (1-2)
Sample Location: BRONX, NY

Date Collected: 02/15/21 14:50
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/17/21 18:38
Analyst: SG
Percent Solids: 82%

Extraction Method: ALPHA 23528
Extraction Date: 02/17/21 09:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.582	0.026	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.582	0.054	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.291	0.045	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.582	0.061	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.291	0.053	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.291	0.070	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.291	0.049	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.582	0.209	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.582	0.159	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.291	0.087	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.291	0.151	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.291	0.078	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.582	0.334	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.582	0.235	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.582	0.055	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.582	0.178	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.582	0.114	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.582	0.098	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.582	0.082	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.582	0.238	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.582	0.063	1
PFOA/PFOS, Total	ND		ng/g	0.291	0.049	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-13 Date Collected: 02/15/21 14:50

Client ID: SB-5 (1-2) Date Received: 02/16/21

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 (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	105		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	115		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	125		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	111		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	110		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	125		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	107		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	59		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	101		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	113		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	109		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	80		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	95		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	109		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	11		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	82		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	106		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	85		24-159

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-14
Client ID: SB-5 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 14:55
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 02/18/21 03:22
Analyst: JG
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 02/17/21 07:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	23.	1
Hexachlorobenzene	ND		ug/kg	120	23.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	28.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	36.	1
1,3-Dichlorobenzene	ND		ug/kg	200	35.	1
1,4-Dichlorobenzene	ND		ug/kg	200	35.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	41.	1
2,6-Dinitrotoluene	ND		ug/kg	200	35.	1
Fluoranthene	ND		ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	31.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	35.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	20.	1
Hexachlorobutadiene	ND		ug/kg	200	30.	1
Hexachlorocyclopentadiene	ND		ug/kg	580	180	1
Hexachloroethane	ND		ug/kg	160	33.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	ND		ug/kg	200	25.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	31.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	70.	1
Butyl benzyl phthalate	ND		ug/kg	200	51.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	69.	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-14 Date Collected: 02/15/21 14:55

Client ID: SB-5 (2-3) Date Received: 02/16/21

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	19.	1
Dimethyl phthalate	ND		ug/kg	200	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	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	40.	1
Benzo(ghi)perylene	ND		ug/kg	160	24.	1
Fluorene	ND		ug/kg	200	20.	1
Phenanthrene	ND		ug/kg	120	25.	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	460	47.	1
4-Chloroaniline	ND		ug/kg	200	37.	1
2-Nitroaniline	ND		ug/kg	200	39.	1
3-Nitroaniline	ND		ug/kg	200	38.	1
4-Nitroaniline	ND		ug/kg	200	84.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	33.	1
2,4-Dimethylphenol	ND		ug/kg	200	67.	1
2-Nitrophenol	ND		ug/kg	440	76.	1
4-Nitrophenol	ND		ug/kg	280	83.	1
2,4-Dinitrophenol	ND		ug/kg	980	95.	1
4,6-Dinitro-o-cresol	ND		ug/kg	530	98.	1
Pentachlorophenol	ND		ug/kg	160	45.	1
Phenol	ND		ug/kg	200	31.	1
2-Methylphenol	ND		ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	32.	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-14 Date Collected: 02/15/21 14:55

Client ID: SB-5 (2-3) Date Received: 02/16/21

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	39.	1
Benzoic Acid	ND		ug/kg	660	200	1
Benzyl Alcohol	ND		ug/kg	200	62.	1
Carbazole	ND		ug/kg	200	20.	1
1,4-Dioxane	ND		ug/kg	30	9.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		25-120
Phenol-d6	67		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	96		10-136
4-Terphenyl-d14	62		18-120

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-14
Client ID: SB-5 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 14:55
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/17/21 19:11
Analyst: SG
Percent Solids: 81%

Extraction Method: ALPHA 23528
Extraction Date: 02/17/21 09:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.562	0.026	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.562	0.052	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.281	0.044	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.562	0.059	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.281	0.051	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.281	0.068	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.281	0.047	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.562	0.202	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.562	0.154	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.281	0.084	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.281	0.146	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.281	0.075	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.562	0.323	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.562	0.227	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.562	0.053	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.562	0.172	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.562	0.110	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.562	0.095	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.562	0.079	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.562	0.230	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.562	0.061	1
PFOA/PFOS, Total	ND		ng/g	0.281	0.047	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-14 Date Collected: 02/15/21 14:55

Client ID: SB-5 (2-3) Date Received: 02/16/21

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 (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	103		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	113		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	116		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	106		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	105		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	117		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	104		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	56		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	100		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	106		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	105		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	70		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	81		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	106		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	11		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	76		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	102		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	83		24-159

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-16
Client ID: SB-6 (1-2)
Sample Location: BRONX, NY

Date Collected: 02/15/21 15:05
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 02/18/21 04:57
Analyst: JG
Percent Solids: 76%

Extraction Method: EPA 3546
Extraction Date: 02/17/21 07:53

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	220	25.	1
Hexachlorobenzene	ND		ug/kg	130	24.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	29.	1
2-Chloronaphthalene	ND		ug/kg	220	21.	1
1,2-Dichlorobenzene	ND		ug/kg	220	39.	1
1,3-Dichlorobenzene	ND		ug/kg	220	37.	1
1,4-Dichlorobenzene	ND		ug/kg	220	38.	1
3,3'-Dichlorobenzidine	ND		ug/kg	220	57.	1
2,4-Dinitrotoluene	ND		ug/kg	220	43.	1
2,6-Dinitrotoluene	ND		ug/kg	220	37.	1
Fluoranthene	ND		ug/kg	130	25.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	220	23.	1
4-Bromophenyl phenyl ether	ND		ug/kg	220	33.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	260	37.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	22.	1
Hexachlorobutadiene	ND		ug/kg	220	32.	1
Hexachlorocyclopentadiene	ND		ug/kg	620	200	1
Hexachloroethane	ND		ug/kg	170	35.	1
Isophorone	ND		ug/kg	190	28.	1
Naphthalene	ND		ug/kg	220	26.	1
Nitrobenzene	ND		ug/kg	190	32.	1
NDPA/DPA	ND		ug/kg	170	24.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	220	33.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	220	75.	1
Butyl benzyl phthalate	ND		ug/kg	220	54.	1
Di-n-butylphthalate	ND		ug/kg	220	41.	1
Di-n-octylphthalate	ND		ug/kg	220	73.	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-16 Date Collected: 02/15/21 15:05

Client ID: SB-6 (1-2) Date Received: 02/16/21

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	220	20.	1
Dimethyl phthalate	ND		ug/kg	220	45.	1
Benzo(a)anthracene	ND		ug/kg	130	24.	1
Benzo(a)pyrene	ND		ug/kg	170	53.	1
Benzo(b)fluoranthene	ND		ug/kg	130	36.	1
Benzo(k)fluoranthene	ND		ug/kg	130	34.	1
Chrysene	ND		ug/kg	130	22.	1
Acenaphthylene	ND		ug/kg	170	33.	1
Anthracene	ND		ug/kg	130	42.	1
Benzo(ghi)perylene	ND		ug/kg	170	25.	1
Fluorene	ND		ug/kg	220	21.	1
Phenanthrene	ND		ug/kg	130	26.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	25.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	170	30.	1
Pyrene	ND		ug/kg	130	21.	1
Biphenyl	ND		ug/kg	490	50.	1
4-Chloroaniline	ND		ug/kg	220	39.	1
2-Nitroaniline	ND		ug/kg	220	42.	1
3-Nitroaniline	ND		ug/kg	220	41.	1
4-Nitroaniline	ND		ug/kg	220	89.	1
Dibenzofuran	ND		ug/kg	220	20.	1
2-Methylnaphthalene	ND		ug/kg	260	26.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	220	22.	1
Acetophenone	ND		ug/kg	220	27.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	41.	1
p-Chloro-m-cresol	ND		ug/kg	220	32.	1
2-Chlorophenol	ND		ug/kg	220	26.	1
2,4-Dichlorophenol	ND		ug/kg	190	35.	1
2,4-Dimethylphenol	ND		ug/kg	220	71.	1
2-Nitrophenol	ND		ug/kg	470	81.	1
4-Nitrophenol	ND		ug/kg	300	88.	1
2,4-Dinitrophenol	ND		ug/kg	1000	100	1
4,6-Dinitro-o-cresol	ND		ug/kg	560	100	1
Pentachlorophenol	ND		ug/kg	170	48.	1
Phenol	ND		ug/kg	220	33.	1
2-Methylphenol	ND		ug/kg	220	33.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	310	34.	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-16 Date Collected: 02/15/21 15:05

Client ID: SB-6 (1-2) Date Received: 02/16/21

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	220	41.	1
Benzoic Acid	ND		ug/kg	700	220	1
Benzyl Alcohol	ND		ug/kg	220	66.	1
Carbazole	ND		ug/kg	220	21.	1
1,4-Dioxane	ND		ug/kg	32	9.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		25-120
Phenol-d6	66		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	87		10-136
4-Terphenyl-d14	71		18-120

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-16
Client ID: SB-6 (1-2)
Sample Location: BRONX, NY

Date Collected: 02/15/21 15:05
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/17/21 19:28
Analyst: SG
Percent Solids: 76%

Extraction Method: ALPHA 23528
Extraction Date: 02/17/21 09:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.628	0.029	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.628	0.058	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.314	0.049	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.628	0.066	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.314	0.057	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.314	0.076	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.314	0.053	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.628	0.225	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.628	0.171	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.314	0.094	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.314	0.163	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.314	0.084	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.628	0.360	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.628	0.253	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.628	0.059	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.628	0.192	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.628	0.123	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.628	0.106	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.628	0.088	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.628	0.257	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.628	0.068	1
PFOA/PFOS, Total	ND		ng/g	0.314	0.053	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-16 Date Collected: 02/15/21 15:05

Client ID: SB-6 (1-2) Date Received: 02/16/21

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 (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	100		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	111		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	115		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	107		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	105		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	115		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	102		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	51		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	97		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	105		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	103		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	67		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	76		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	102		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	11		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	73		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	97		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	83		24-159

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-17
Client ID: SB-6 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 15:10
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 02/18/21 03:46
Analyst: EK
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 02/17/21 07:53

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: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-17 Date Collected: 02/15/21 15:10

Client ID: SB-6 (2-3) Date Received: 02/16/21

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: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-17 Date Collected: 02/15/21 15:10

Client ID: SB-6 (2-3) Date Received: 02/16/21

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
1,4-Dioxane	ND		ug/kg	27	8.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		25-120
Phenol-d6	66		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	100		10-136
4-Terphenyl-d14	64		18-120

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-17
Client ID: SB-6 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 15:10
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/17/21 19:44
Analyst: SG
Percent Solids: 92%

Extraction Method: ALPHA 23528
Extraction Date: 02/17/21 09:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.506	0.023	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.506	0.047	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.253	0.040	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.506	0.053	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.253	0.046	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.253	0.061	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.253	0.042	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.506	0.182	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.506	0.138	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.253	0.076	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.253	0.132	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.253	0.068	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.506	0.290	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.506	0.204	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.506	0.047	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.506	0.155	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.506	0.086	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.506	0.071	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.506	0.207	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.506	0.055	1
PFOA/PFOS, Total	ND		ng/g	0.253	0.042	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-17 Date Collected: 02/15/21 15:10

Client ID: SB-6 (2-3) Date Received: 02/16/21

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 (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	104		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	115		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	121		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	111		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	110		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	121		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	108		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	55		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	103		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	114		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	108		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	64		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	85		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	107		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	76		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	101		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	85		24-159

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-17
Client ID: SB-6 (2-3)
Sample Location: BRONX, NY

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/18/21 14:23
Analyst: MP
Percent Solids: 92%

Date Collected: 02/15/21 15:10
Date Received: 02/16/21
Field Prep: Not Specified

Extraction Method: ALPHA 23528
Extraction Date: 02/17/21 09:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.506	0.099	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	79		10-117

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-19
Client ID: SB-7 (1-2)
Sample Location: BRONX, NY

Date Collected: 02/15/21 14:05
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 02/18/21 01:48
Analyst: EK
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 02/17/21 07:53

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	36.	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	32.	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	24.	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: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-19 Date Collected: 02/15/21 14:05

Client ID: SB-7 (1-2) Date Received: 02/16/21

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	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	86.	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	450	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: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-19 Date Collected: 02/15/21 14:05

Client ID: SB-7 (1-2) Date Received: 02/16/21

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	670	210	1
Benzyl Alcohol	ND		ug/kg	210	63.	1
Carbazole	ND		ug/kg	210	20.	1
1,4-Dioxane	ND		ug/kg	31	9.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		25-120
Phenol-d6	62		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	92		10-136
4-Terphenyl-d14	65		18-120

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-19
Client ID: SB-7 (1-2)
Sample Location: BRONX, NY

Date Collected: 02/15/21 14:05
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/17/21 20:01
Analyst: SG
Percent Solids: 81%

Extraction Method: ALPHA 23528
Extraction Date: 02/17/21 09:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.609	0.028	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.609	0.056	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.304	0.048	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.609	0.064	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.304	0.055	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.304	0.074	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.304	0.051	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.609	0.219	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.609	0.166	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.304	0.091	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.304	0.158	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.304	0.082	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.609	0.350	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.609	0.245	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.609	0.057	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.609	0.186	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.609	0.119	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.609	0.103	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.609	0.085	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.609	0.249	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.609	0.066	1
PFOA/PFOS, Total	ND		ng/g	0.304	0.051	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-19 Date Collected: 02/15/21 14:05

Client ID: SB-7 (1-2) Date Received: 02/16/21

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 (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	98		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	108		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	117		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	103		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	102		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	117		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	100		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	55		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	94		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	104		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	103		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	73		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	71		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	103		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	23		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	70		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	96		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	79		24-159

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-20
Client ID: SB-7 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 14:10
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 02/18/21 02:11
Analyst: EK
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 02/17/21 07:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	ND		ug/kg	110	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-20 Date Collected: 02/15/21 14:10

Client ID: SB-7 (2-3) Date Received: 02/16/21

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	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	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	210	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	390	67.	1
4-Nitrophenol	ND		ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	860	83.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	86.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-20 Date Collected: 02/15/21 14:10

Client ID: SB-7 (2-3) Date Received: 02/16/21

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
1,4-Dioxane	ND		ug/kg	27	8.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		25-120
Phenol-d6	63		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	95		10-136
4-Terphenyl-d14	68		18-120

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-20 RE
Client ID: SB-7 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 14:10
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/21/21 21:24
Analyst: SG
Percent Solids: 90%

Extraction Method: ALPHA 23528
Extraction Date: 02/21/21 08:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.526	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.526	0.048	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.263	0.041	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.526	0.055	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.263	0.047	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.263	0.064	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.263	0.044	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.526	0.189	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.526	0.143	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.263	0.079	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.263	0.137	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.263	0.070	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.526	0.302	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.526	0.212	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.526	0.049	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.526	0.161	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.526	0.089	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.526	0.074	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.526	0.215	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.526	0.057	1
PFOA/PFOS, Total	ND		ng/g	0.263	0.044	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID:	L2107354-20	RE	Date Collected:	02/15/21 14:10
Client ID:	SB-7 (2-3)		Date Received:	02/16/21
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 (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	101		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	106		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**147**	Q	74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	121		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	112		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	112		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	104		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	93		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	97		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	115		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	100		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	95		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	92		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	112		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	76		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	96		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	109		24-159

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-20 RE
Client ID: SB-7 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 14:10
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/22/21 14:21
Analyst: RS
Percent Solids: 90%

Extraction Method: ALPHA 23528
Extraction Date: 02/21/21 08:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.526	0.103	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	73		10-117

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-22
Client ID: SB-8 (1-2)
Sample Location: BRONX, NY

Date Collected: 02/15/21 13:25
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 02/18/21 07:18
Analyst: EK
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 02/17/21 07:53

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	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	25	J	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: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-22 Date Collected: 02/15/21 13:25

Client ID: SB-8 (1-2) Date Received: 02/16/21

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	20	J	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	35	J	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	23	J	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	68.	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	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: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-22 Date Collected: 02/15/21 13:25

Client ID: SB-8 (1-2) Date Received: 02/16/21

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
1,4-Dioxane	ND		ug/kg	27	8.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		25-120
Phenol-d6	64		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	69		30-120
2,4,6-Tribromophenol	74		10-136
4-Terphenyl-d14	51		18-120

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-22
Client ID: SB-8 (1-2)
Sample Location: BRONX, NY

Date Collected: 02/15/21 13:25
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/18/21 00:19
Analyst: HT
Percent Solids: 92%

Extraction Method: ALPHA 23528
Extraction Date: 02/17/21 11:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.492	0.022	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.492	0.045	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.246	0.038	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.492	0.052	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.246	0.044	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.246	0.060	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.246	0.041	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.492	0.176	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.492	0.134	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.246	0.074	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.246	0.128	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.246	0.066	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.492	0.282	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.492	0.198	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.492	0.046	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.492	0.150	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.492	0.096	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.492	0.083	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.492	0.069	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.492	0.201	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.492	0.053	1
PFOA/PFOS, Total	ND		ng/g	0.246	0.041	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-22 Date Collected: 02/15/21 13:25

Client ID: SB-8 (1-2) Date Received: 02/16/21

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 (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	102		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	101		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	127		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	113		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	112		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	111		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	106		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	118		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	103		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	110		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	102		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	126		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	84		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	110		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	23		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	82		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	93		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	91		24-159

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-23
Client ID: SB-8 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 13:30
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 02/18/21 02:35
Analyst: EK
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 02/17/21 11:28

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	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	66.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	65.	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-23 Date Collected: 02/15/21 13:30

Client ID: SB-8 (2-3) Date Received: 02/16/21

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	46.	1
Benzo(b)fluoranthene	ND		ug/kg	110	32.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	37.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	ND		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	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	22.	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	270	30.	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-23 Date Collected: 02/15/21 13:30

Client ID: SB-8 (2-3) Date Received: 02/16/21

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	620	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	ND		ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	29	8.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		25-120
Phenol-d6	59		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	97		10-136
4-Terphenyl-d14	73		18-120

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-23
Client ID: SB-8 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 13:30
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/18/21 00:35
Analyst: HT
Percent Solids: 87%

Extraction Method: ALPHA 23528
Extraction Date: 02/17/21 11:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.532	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.532	0.049	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.266	0.041	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.532	0.056	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.266	0.048	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.266	0.064	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.266	0.045	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.532	0.191	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.532	0.145	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.266	0.080	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.266	0.138	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.266	0.071	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.532	0.305	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.532	0.214	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.532	0.050	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.532	0.163	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.532	0.104	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.532	0.090	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.532	0.074	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.532	0.217	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.532	0.057	1
PFOA/PFOS, Total	ND		ng/g	0.266	0.045	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-23 Date Collected: 02/15/21 13:30

Client ID: SB-8 (2-3) Date Received: 02/16/21

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 (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	103		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	102		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	121		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	110		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	110		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	102		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	106		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	122		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	103		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	110		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	108		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	126		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	94		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	116		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	14		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	96		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	95		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	95		24-159

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-24
Client ID: SB-9 (0-1)
Sample Location: BRONX, NY

Date Collected: 02/15/21 15:30
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 02/18/21 05:44
Analyst: EK
Percent Solids: 79%

Extraction Method: EPA 3546
Extraction Date: 02/17/21 11:28

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	24.	1
Hexachlorobenzene	ND		ug/kg	120	23.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	28.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	37.	1
1,3-Dichlorobenzene	ND		ug/kg	200	35.	1
1,4-Dichlorobenzene	ND		ug/kg	200	36.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	55.	1
2,4-Dinitrotoluene	ND		ug/kg	200	41.	1
2,6-Dinitrotoluene	ND		ug/kg	200	35.	1
Fluoranthene	ND		ug/kg	120	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	31.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	35.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	21.	1
Hexachlorobutadiene	ND		ug/kg	200	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	200	25.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	32.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	71.	1
Butyl benzyl phthalate	ND		ug/kg	200	52.	1
Di-n-butylphthalate	ND		ug/kg	200	39.	1
Di-n-octylphthalate	ND		ug/kg	200	70.	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-24 Date Collected: 02/15/21 15:30

Client ID: SB-9 (0-1) Date Received: 02/16/21

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	19.	1
Dimethyl phthalate	ND		ug/kg	200	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	200	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	200	37.	1
2-Nitroaniline	ND		ug/kg	200	40.	1
3-Nitroaniline	ND		ug/kg	200	39.	1
4-Nitroaniline	ND		ug/kg	200	85.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	250	25.	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	39.	1
p-Chloro-m-cresol	ND		ug/kg	200	31.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	33.	1
2,4-Dimethylphenol	ND		ug/kg	200	68.	1
2-Nitrophenol	ND		ug/kg	440	77.	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	530	99.	1
Pentachlorophenol	ND		ug/kg	160	45.	1
Phenol	ND		ug/kg	200	31.	1
2-Methylphenol	ND		ug/kg	200	32.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	32.	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-24 Date Collected: 02/15/21 15:30

Client ID: SB-9 (0-1) Date Received: 02/16/21

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	39.	1
Benzoic Acid	ND		ug/kg	670	210	1
Benzyl Alcohol	ND		ug/kg	200	63.	1
Carbazole	ND		ug/kg	200	20.	1
1,4-Dioxane	ND		ug/kg	31	9.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**20**	Q	25-120
Phenol-d6	51		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	70		30-120
2,4,6-Tribromophenol	16		10-136
4-Terphenyl-d14	61		18-120

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-24 RE
Client ID: SB-9 (0-1)
Sample Location: BRONX, NY

Date Collected: 02/15/21 15:30
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/21/21 21:41
Analyst: SG
Percent Solids: 79%

Extraction Method: ALPHA 23528
Extraction Date: 02/21/21 08:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.590	0.027	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.590	0.054	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.295	0.046	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.590	0.062	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.295	0.053	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.295	0.071	1
Perfluorooctanoic Acid (PFOA)	0.104	J	ng/g	0.295	0.050	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.590	0.212	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.590	0.161	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.295	0.089	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.295	0.153	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.295	0.079	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.590	0.339	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.590	0.238	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.590	0.055	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.590	0.181	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.590	0.116	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.590	0.100	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.590	0.083	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.590	0.241	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.590	0.064	1
PFOA/PFOS, Total	0.104	J	ng/g	0.295	0.050	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID:	L2107354-24	RE	Date Collected:	02/15/21 15:30
Client ID:	SB-9 (0-1)		Date Received:	02/16/21
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 (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	100		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	105		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**144**	Q	74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	119		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	110		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	116		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	100		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	93		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	95		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	109		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	102		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	84		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	70		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	110		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	73		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	75		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	88		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	100		24-159

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-26
Client ID: SB-9 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 15:40
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 02/18/21 02:59
Analyst: EK
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 02/17/21 11:28

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

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-26 Date Collected: 02/15/21 15:40

Client ID: SB-9 (2-3) Date Received: 02/16/21

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	41.	1
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	160	48.	1
Benzo(b)fluoranthene	ND		ug/kg	120	33.	1
Benzo(k)fluoranthene	ND		ug/kg	120	32.	1
Chrysene	ND		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	160	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	ND		ug/kg	160	23.	1
Fluorene	ND		ug/kg	200	19.	1
Phenanthrene	ND		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	27.	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	37.	1
4-Nitroaniline	ND		ug/kg	200	82.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	20.	1
Acetophenone	ND		ug/kg	200	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	200	29.	1
2-Chlorophenol	ND		ug/kg	200	23.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	65.	1
2-Nitrophenol	ND		ug/kg	420	74.	1
4-Nitrophenol	ND		ug/kg	280	80.	1
2,4-Dinitrophenol	ND		ug/kg	950	92.	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	95.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	31.	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-26 Date Collected: 02/15/21 15:40

Client ID: SB-9 (2-3) Date Received: 02/16/21

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	60.	1
Carbazole	ND		ug/kg	200	19.	1
1,4-Dioxane	ND		ug/kg	30	9.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		25-120
Phenol-d6	61		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	92		10-136
4-Terphenyl-d14	70		18-120

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-26
Client ID: SB-9 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 15:40
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/18/21 01:08
Analyst: HT
Percent Solids: 84%

Extraction Method: ALPHA 23528
Extraction Date: 02/17/21 11:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.568	0.026	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.568	0.052	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.284	0.044	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.568	0.060	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.284	0.051	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.284	0.069	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.284	0.048	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.568	0.204	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.568	0.155	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.284	0.085	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.284	0.148	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.284	0.076	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.568	0.326	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.568	0.229	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.568	0.053	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.568	0.174	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.568	0.111	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.568	0.096	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.568	0.080	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.568	0.232	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.568	0.061	1
PFOA/PFOS, Total	ND		ng/g	0.284	0.048	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-26 Date Collected: 02/15/21 15:40

Client ID: SB-9 (2-3) Date Received: 02/16/21

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 (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	106		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	105		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	127		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	116		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	115		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	120		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	109		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	125		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	107		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	115		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	110		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	133		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	100		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	123		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	14		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	98		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	101		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	101		24-159

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-27
Client ID: SB-11 (0-2)
Sample Location: BRONX, NY

Date Collected: 02/15/21 11:55
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 02/18/21 05:13
Analyst: EK
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 02/17/21 11:28

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	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	230	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	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	66.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-27 Date Collected: 02/15/21 11:55

Client ID: SB-11 (0-2) Date Received: 02/16/21

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	58	J	ug/kg	110	21.	1
Benzo(a)pyrene	60	J	ug/kg	150	46.	1
Benzo(b)fluoranthene	66	J	ug/kg	110	32.	1
Benzo(k)fluoranthene	33	J	ug/kg	110	30.	1
Chrysene	63	J	ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	37.	1
Benzo(ghi)perylene	42	J	ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	110		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	46	J	ug/kg	150	26.	1
Pyrene	130		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	29.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	30.	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-27 Date Collected: 02/15/21 11:55

Client ID: SB-11 (0-2) Date Received: 02/16/21

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
1,4-Dioxane	ND		ug/kg	28	8.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		25-120
Phenol-d6	74		10-120
Nitrobenzene-d5	98		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	59		10-136
4-Terphenyl-d14	67		18-120

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-27
Client ID: SB-11 (0-2)
Sample Location: BRONX, NY

Date Collected: 02/15/21 11:55
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/18/21 01:25
Analyst: HT
Percent Solids: 86%

Extraction Method: ALPHA 23528
Extraction Date: 02/17/21 11:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.564	0.026	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.564	0.052	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.282	0.044	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.564	0.059	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.282	0.051	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.282	0.068	1
Perfluorooctanoic Acid (PFOA)	0.054	J	ng/g	0.282	0.047	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.564	0.202	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.564	0.154	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.282	0.085	1
Perfluorooctanesulfonic Acid (PFOS)	0.436		ng/g	0.282	0.147	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.282	0.076	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.564	0.324	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.564	0.227	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.564	0.053	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.564	0.172	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.564	0.110	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.564	0.095	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.564	0.079	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.564	0.231	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.564	0.061	1
PFOA/PFOS, Total	0.490	J	ng/g	0.282	0.047	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-27 Date Collected: 02/15/21 11:55

Client ID: SB-11 (0-2) Date Received: 02/16/21

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 (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	103		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	101		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	128		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	113		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	112		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	118		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	106		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	117		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	102		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	112		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	106		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	117		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	83		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	113		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	39		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	81		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	94		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	94		24-159

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-28
Client ID: SB-11 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 12:00
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 02/18/21 02:39
Analyst: EK
Percent Solids: 77%

Extraction Method: EPA 3546
Extraction Date: 02/17/21 11:28

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	220	25.	1
Hexachlorobenzene	ND		ug/kg	130	24.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	29.	1
2-Chloronaphthalene	ND		ug/kg	220	21.	1
1,2-Dichlorobenzene	ND		ug/kg	220	39.	1
1,3-Dichlorobenzene	ND		ug/kg	220	37.	1
1,4-Dichlorobenzene	ND		ug/kg	220	38.	1
3,3'-Dichlorobenzidine	ND		ug/kg	220	58.	1
2,4-Dinitrotoluene	ND		ug/kg	220	43.	1
2,6-Dinitrotoluene	ND		ug/kg	220	37.	1
Fluoranthene	ND		ug/kg	130	25.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	220	23.	1
4-Bromophenyl phenyl ether	ND		ug/kg	220	33.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	260	37.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	22.	1
Hexachlorobutadiene	ND		ug/kg	220	32.	1
Hexachlorocyclopentadiene	ND		ug/kg	620	200	1
Hexachloroethane	ND		ug/kg	170	35.	1
Isophorone	ND		ug/kg	190	28.	1
Naphthalene	ND		ug/kg	220	26.	1
Nitrobenzene	ND		ug/kg	190	32.	1
NDPA/DPA	ND		ug/kg	170	25.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	220	33.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	220	75.	1
Butyl benzyl phthalate	ND		ug/kg	220	54.	1
Di-n-butylphthalate	ND		ug/kg	220	41.	1
Di-n-octylphthalate	ND		ug/kg	220	74.	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-28 Date Collected: 02/15/21 12:00

Client ID: SB-11 (2-3) Date Received: 02/16/21

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	220	20.	1
Dimethyl phthalate	ND		ug/kg	220	45.	1
Benzo(a)anthracene	ND		ug/kg	130	24.	1
Benzo(a)pyrene	ND		ug/kg	170	53.	1
Benzo(b)fluoranthene	ND		ug/kg	130	36.	1
Benzo(k)fluoranthene	ND		ug/kg	130	35.	1
Chrysene	ND		ug/kg	130	22.	1
Acenaphthylene	ND		ug/kg	170	33.	1
Anthracene	ND		ug/kg	130	42.	1
Benzo(ghi)perylene	ND		ug/kg	170	25.	1
Fluorene	ND		ug/kg	220	21.	1
Phenanthrene	ND		ug/kg	130	26.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	25.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	170	30.	1
Pyrene	ND		ug/kg	130	22.	1
Biphenyl	ND		ug/kg	490	50.	1
4-Chloroaniline	ND		ug/kg	220	39.	1
2-Nitroaniline	ND		ug/kg	220	42.	1
3-Nitroaniline	ND		ug/kg	220	41.	1
4-Nitroaniline	ND		ug/kg	220	90.	1
Dibenzofuran	ND		ug/kg	220	20.	1
2-Methylnaphthalene	ND		ug/kg	260	26.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	220	23.	1
Acetophenone	ND		ug/kg	220	27.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	41.	1
p-Chloro-m-cresol	ND		ug/kg	220	32.	1
2-Chlorophenol	ND		ug/kg	220	26.	1
2,4-Dichlorophenol	ND		ug/kg	190	35.	1
2,4-Dimethylphenol	ND		ug/kg	220	71.	1
2-Nitrophenol	ND		ug/kg	470	81.	1
4-Nitrophenol	ND		ug/kg	300	88.	1
2,4-Dinitrophenol	ND		ug/kg	1000	100	1
4,6-Dinitro-o-cresol	ND		ug/kg	560	100	1
Pentachlorophenol	ND		ug/kg	170	48.	1
Phenol	ND		ug/kg	220	33.	1
2-Methylphenol	ND		ug/kg	220	34.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	310	34.	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-28 Date Collected: 02/15/21 12:00

Client ID: SB-11 (2-3) Date Received: 02/16/21

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	220	41.	1
Benzoic Acid	ND		ug/kg	700	220	1
Benzyl Alcohol	ND		ug/kg	220	66.	1
Carbazole	ND		ug/kg	220	21.	1
1,4-Dioxane	ND		ug/kg	32	10.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	92		23-120
2-Fluorobiphenyl	79		30-120
2,4,6-Tribromophenol	81		10-136
4-Terphenyl-d14	65		18-120

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-28
Client ID: SB-11 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 12:00
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/18/21 02:15
Analyst: HT
Percent Solids: 77%

Extraction Method: ALPHA 23528
Extraction Date: 02/17/21 11:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.594	0.027	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.594	0.055	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.297	0.046	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.594	0.062	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.297	0.054	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.297	0.072	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.297	0.050	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.594	0.213	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.594	0.162	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.297	0.089	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.297	0.154	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.297	0.080	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.594	0.341	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.594	0.239	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.594	0.056	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.594	0.182	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.594	0.100	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.594	0.083	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.594	0.243	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.594	0.064	1
PFOA/PFOS, Total	ND		ng/g	0.297	0.050	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-28 Date Collected: 02/15/21 12:00

Client ID: SB-11 (2-3) Date Received: 02/16/21

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 (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	98		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	96		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	120		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	107		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	106		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	113		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	101		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	113		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	96		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	102		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	102		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	119		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	86		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	107		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	86		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	87		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	91		24-159

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-28
Client ID: SB-11 (2-3)
Sample Location: BRONX, NY

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/22/21 13:52
Analyst: RS
Percent Solids: 77%

Date Collected: 02/15/21 12:00
Date Received: 02/16/21
Field Prep: Not Specified

Extraction Method: ALPHA 23528
Extraction Date: 02/17/21 11:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.594	0.116	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	67		10-117

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-29
Client ID: SB-12 (0-2)
Sample Location: BRONX, NY

Date Collected: 02/15/21 11:10
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 02/18/21 04:07
Analyst: EK
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 02/17/21 11:28

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	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	21	J	ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	64.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-29 Date Collected: 02/15/21 11:10

Client ID: SB-12 (0-2) Date Received: 02/16/21

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	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	19	J	ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	43.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	30.	1
2,4-Dimethylphenol	ND		ug/kg	180	61.	1
2-Nitrophenol	ND		ug/kg	400	69.	1
4-Nitrophenol	ND		ug/kg	260	75.	1
2,4-Dinitrophenol	ND		ug/kg	880	86.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	29.	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-29 Date Collected: 02/15/21 11:10

Client ID: SB-12 (0-2) Date Received: 02/16/21

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	600	190	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	ND		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	28	8.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		25-120
Phenol-d6	70		10-120
Nitrobenzene-d5	89		23-120
2-Fluorobiphenyl	70		30-120
2,4,6-Tribromophenol	84		10-136
4-Terphenyl-d14	70		18-120

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-29
Client ID: SB-12 (0-2)
Sample Location: BRONX, NY

Date Collected: 02/15/21 11:10
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/18/21 02:31
Analyst: HT
Percent Solids: 88%

Extraction Method: ALPHA 23528
Extraction Date: 02/17/21 11:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.031	J	ng/g	0.530	0.024	1
Perfluoropentanoic Acid (PFPeA)	0.061	J	ng/g	0.530	0.049	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.265	0.041	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.530	0.056	1
Perfluoroheptanoic Acid (PFHpA)	0.068	J	ng/g	0.265	0.048	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.265	0.064	1
Perfluorooctanoic Acid (PFOA)	0.482		ng/g	0.265	0.044	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.530	0.190	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.530	0.145	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.265	0.080	1
Perfluorooctanesulfonic Acid (PFOS)	0.602		ng/g	0.265	0.138	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.265	0.071	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.530	0.304	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.530	0.214	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.530	0.050	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.530	0.162	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.530	0.104	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.530	0.090	1
Perfluorododecanoic Acid (PFDoA)	0.082	JF	ng/g	0.530	0.074	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.530	0.217	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.530	0.057	1
PFOA/PFOS, Total	1.08		ng/g	0.265	0.044	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-29 Date Collected: 02/15/21 11:10

Client ID: SB-12 (0-2) Date Received: 02/16/21

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 (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	71		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	70		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	94		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	77		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	77		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	85		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**73**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	83		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**71**	Q	72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	85		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**73**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	87		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	35		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	79		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	67		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	38		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	68		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	70		24-159

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-30
Client ID: SB-12 (0-2)_DUP
Sample Location: BRONX, NY

Date Collected: 02/15/21 11:20
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 02/18/21 03:01
Analyst: EK
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 02/17/21 11:28

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	23.	1
Hexachlorobenzene	ND		ug/kg	120	23.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	28.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	36.	1
1,3-Dichlorobenzene	ND		ug/kg	200	35.	1
1,4-Dichlorobenzene	ND		ug/kg	200	35.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	40.	1
2,6-Dinitrotoluene	ND		ug/kg	200	35.	1
Fluoranthene	23	J	ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	31.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	35.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	20.	1
Hexachlorobutadiene	ND		ug/kg	200	30.	1
Hexachlorocyclopentadiene	ND		ug/kg	580	180	1
Hexachloroethane	ND		ug/kg	160	33.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	ND		ug/kg	200	25.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	31.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	70.	1
Butyl benzyl phthalate	ND		ug/kg	200	51.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	69.	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-30 Date Collected: 02/15/21 11:20

Client ID: SB-12 (0-2)_DUP Date Received: 02/16/21

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	19.	1
Dimethyl phthalate	ND		ug/kg	200	42.	1
Benzo(a)anthracene	ND		ug/kg	120	23.	1
Benzo(a)pyrene	ND		ug/kg	160	49.	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	40.	1
Benzo(ghi)perylene	ND		ug/kg	160	24.	1
Fluorene	ND		ug/kg	200	20.	1
Phenanthrene	ND		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	28.	1
Pyrene	20	J	ug/kg	120	20.	1
Biphenyl	ND		ug/kg	460	47.	1
4-Chloroaniline	ND		ug/kg	200	37.	1
2-Nitroaniline	ND		ug/kg	200	39.	1
3-Nitroaniline	ND		ug/kg	200	38.	1
4-Nitroaniline	ND		ug/kg	200	84.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	33.	1
2,4-Dimethylphenol	ND		ug/kg	200	67.	1
2-Nitrophenol	ND		ug/kg	440	76.	1
4-Nitrophenol	ND		ug/kg	280	83.	1
2,4-Dinitrophenol	ND		ug/kg	970	94.	1
4,6-Dinitro-o-cresol	ND		ug/kg	530	97.	1
Pentachlorophenol	ND		ug/kg	160	45.	1
Phenol	ND		ug/kg	200	31.	1
2-Methylphenol	ND		ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	32.	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-30 Date Collected: 02/15/21 11:20

Client ID: SB-12 (0-2)_DUP Date Received: 02/16/21

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	39.	1
Benzoic Acid	ND		ug/kg	660	200	1
Benzyl Alcohol	ND		ug/kg	200	62.	1
Carbazole	ND		ug/kg	200	20.	1
1,4-Dioxane	ND		ug/kg	30	9.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**24**	Q	25-120
Phenol-d6	62		10-120
Nitrobenzene-d5	91		23-120
2-Fluorobiphenyl	75		30-120
2,4,6-Tribromophenol	14		10-136
4-Terphenyl-d14	62		18-120

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-30
Client ID: SB-12 (0-2)_DUP
Sample Location: BRONX, NY

Date Collected: 02/15/21 11:20
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/18/21 02:48
Analyst: HT
Percent Solids: 80%

Extraction Method: ALPHA 23528
Extraction Date: 02/17/21 11:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.551	0.025	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.551	0.051	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.276	0.043	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.551	0.058	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.276	0.050	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.276	0.067	1
Perfluorooctanoic Acid (PFOA)	0.088	J	ng/g	0.276	0.046	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.551	0.198	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.551	0.150	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.276	0.083	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.276	0.143	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.276	0.074	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.551	0.316	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.551	0.222	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.551	0.052	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.551	0.169	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.551	0.108	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.551	0.093	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.551	0.077	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.551	0.225	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.551	0.060	1
PFOA/PFOS, Total	0.088	J	ng/g	0.276	0.046	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-30 Date Collected: 02/15/21 11:20

Client ID: SB-12 (0-2)_DUP Date Received: 02/16/21

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 (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	103		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	102		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	129		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	112		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	112		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	112		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	103		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	117		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	99		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	112		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	106		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	121		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	85		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	113		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	86		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	72		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	93		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	97		24-159

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-31
Client ID: SB-12 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 11:15
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 02/18/21 02:17
Analyst: EK
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 02/17/21 11:28

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

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-31 Date Collected: 02/15/21 11:15

Client ID: SB-12 (2-3) Date Received: 02/16/21

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: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-31 Date Collected: 02/15/21 11:15

Client ID: SB-12 (2-3) Date Received: 02/16/21

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	600	190	1
Benzyl Alcohol	ND		ug/kg	180	57.	1
Carbazole	ND		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	28	8.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	74		25-120
Phenol-d6	75		10-120
Nitrobenzene-d5	95		23-120
2-Fluorobiphenyl	80		30-120
2,4,6-Tribromophenol	83		10-136
4-Terphenyl-d14	73		18-120

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-31
Client ID: SB-12 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 11:15
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/17/21 22:23
Analyst: HT
Percent Solids: 89%

Extraction Method: ALPHA 23528
Extraction Date: 02/17/21 11:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.518	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.518	0.048	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.259	0.040	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.518	0.054	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.259	0.047	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.259	0.063	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.259	0.043	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.518	0.186	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.518	0.141	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.259	0.078	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.259	0.135	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.259	0.069	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.518	0.297	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.518	0.209	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.518	0.049	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.518	0.158	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.518	0.101	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.518	0.088	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.518	0.073	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.518	0.212	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.518	0.056	1
PFOA/PFOS, Total	ND		ng/g	0.259	0.043	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-31 Date Collected: 02/15/21 11:15

Client ID: SB-12 (2-3) Date Received: 02/16/21

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 (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	105		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	106		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	134		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	113		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	113		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	128		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	107		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	124		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	104		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	118		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	107		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	118		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	99		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	112		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	12		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	91		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	95		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	101		24-159

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-32
Client ID: SB-13 (0-2)
Sample Location: BRONX, NY

Date Collected: 02/15/21 10:20
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 02/18/21 01:34
Analyst: IM
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 02/17/21 11:29

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

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-32 Date Collected: 02/15/21 10:20

Client ID: SB-13 (0-2) Date Received: 02/16/21

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	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	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	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	76.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	400	69.	1
4-Nitrophenol	ND		ug/kg	260	75.	1
2,4-Dinitrophenol	ND		ug/kg	880	85.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	29.	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-32 Date Collected: 02/15/21 10:20

Client ID: SB-13 (0-2) Date Received: 02/16/21

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
1,4-Dioxane	ND		ug/kg	27	8.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	74		25-120
Phenol-d6	73		10-120
Nitrobenzene-d5	92		23-120
2-Fluorobiphenyl	80		30-120
2,4,6-Tribromophenol	89		10-136
4-Terphenyl-d14	81		18-120

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-32
Client ID: SB-13 (0-2)
Sample Location: BRONX, NY

Date Collected: 02/15/21 10:20
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/17/21 22:39
Analyst: HT
Percent Solids: 90%

Extraction Method: ALPHA 23528
Extraction Date: 02/17/21 11:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.526	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.526	0.048	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.263	0.041	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.526	0.055	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.263	0.048	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.263	0.064	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.263	0.044	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.526	0.189	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.526	0.144	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.263	0.079	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.263	0.137	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.263	0.071	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.526	0.302	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.526	0.212	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.526	0.049	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.526	0.161	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.526	0.103	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.526	0.089	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.526	0.074	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.526	0.215	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.526	0.057	1
PFOA/PFOS, Total	ND		ng/g	0.263	0.044	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-32 Date Collected: 02/15/21 10:20

Client ID: SB-13 (0-2) Date Received: 02/16/21

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 (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	110		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	110		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	137		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	120		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	120		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	120		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	111		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	117		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	109		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	122		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	112		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	113		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	84		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	120		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	103		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	73		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	98		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	101		24-159

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-33
Client ID: SB-13 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 10:25
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 02/18/21 01:55
Analyst: EK
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 02/17/21 11:29

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	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	27.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-33 Date Collected: 02/15/21 10:25

Client ID: SB-13 (2-3) Date Received: 02/16/21

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	68.	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	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: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-33 Date Collected: 02/15/21 10:25

Client ID: SB-13 (2-3) Date Received: 02/16/21

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
1,4-Dioxane	ND		ug/kg	27	8.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	74		25-120
Phenol-d6	74		10-120
Nitrobenzene-d5	91		23-120
2-Fluorobiphenyl	76		30-120
2,4,6-Tribromophenol	83		10-136
4-Terphenyl-d14	68		18-120

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-33
Client ID: SB-13 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 10:25
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/17/21 23:29
Analyst: HT
Percent Solids: 92%

Extraction Method: ALPHA 23528
Extraction Date: 02/17/21 11:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.491	0.022	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.491	0.045	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.245	0.038	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.491	0.052	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.245	0.044	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.245	0.059	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.245	0.041	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.491	0.176	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.491	0.134	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.245	0.074	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.245	0.128	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.245	0.066	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.491	0.282	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.491	0.198	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.491	0.046	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.491	0.150	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.491	0.096	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.491	0.083	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.491	0.069	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.491	0.201	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.491	0.053	1
PFOA/PFOS, Total	ND		ng/g	0.245	0.041	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-33 Date Collected: 02/15/21 10:25

Client ID: SB-13 (2-3) Date Received: 02/16/21

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 (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	106		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	105		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	127		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	117		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	116		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	123		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	110		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	118		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	104		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	114		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	107		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	116		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	95		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	117		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	31		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	86		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	97		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	96		24-159

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-40
Client ID: FIELD BLANK 1
Sample Location: BRONX, NY

Date Collected: 02/15/21 16:30
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 02/23/21 12:19
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 02/17/21 09:24

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: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-40 Date Collected: 02/15/21 16:30

Client ID: FIELD BLANK 1 Date Received: 02/16/21

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	55		21-120
Phenol-d6	45		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	67		15-120
2,4,6-Tribromophenol	48		10-120
4-Terphenyl-d14	77		41-149

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-40
Client ID: FIELD BLANK 1
Sample Location: BRONX, NY

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 02/19/21 00:25
Analyst: WR

Date Collected: 02/15/21 16:30
Date Received: 02/16/21
Field Prep: Not Specified

Extraction Method: EPA 3510C
Extraction Date: 02/17/21 09:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	156	35.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	53		15-110

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-40
Client ID: FIELD BLANK 1
Sample Location: BRONX, NY

Date Collected: 02/15/21 16:30
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 02/19/21 18:34
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 02/17/21 08:12

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	ND		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: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-40 Date Collected: 02/15/21 16:30

Client ID: FIELD BLANK 1 Date Received: 02/16/21

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	35		21-120
Phenol-d6	47		10-120
Nitrobenzene-d5	95		23-120
2-Fluorobiphenyl	76		15-120
2,4,6-Tribromophenol	52		10-120
4-Terphenyl-d14	92		41-149

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-40
Client ID: FIELD BLANK 1
Sample Location: BRONX, NY

Date Collected: 02/15/21 16:30
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/18/21 06:40
Analyst: HT

Extraction Method: ALPHA 23528
Extraction Date: 02/17/21 10:34

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.85	0.378	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.85	0.367	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.85	0.220	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.85	0.304	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.85	0.208	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.85	0.348	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.85	0.218	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.85	1.23	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.85	0.637	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.85	0.289	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.85	0.467	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.85	0.281	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.85	1.12	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.85	0.600	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.85	0.241	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.85	0.907	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.85	0.537	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.85	0.744	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.85	0.344	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.85	0.303	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.85	0.230	1
PFOA/PFOS, Total	ND		ng/l	1.85	0.218	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-40 Date Collected: 02/15/21 16:30

Client ID: FIELD BLANK 1 Date Received: 02/16/21

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 (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	100		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	123		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**136**	Q	70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	112		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	109		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	119		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	101		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	85		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	104		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	101		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	96		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	88		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	73		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	102		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	57		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	69		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	90		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	91		22-136

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-42
Client ID: FIELD BLANK 2
Sample Location: BRONX, NY

Date Collected: 02/16/21 09:20
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 02/18/21 21:11
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 02/17/21 09:24

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: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-42 Date Collected: 02/16/21 09:20

Client ID: FIELD BLANK 2 Date Received: 02/16/21

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	39		21-120
Phenol-d6	39		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	66		15-120
2,4,6-Tribromophenol	35		10-120
4-Terphenyl-d14	67		41-149

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-42
Client ID: FIELD BLANK 2
Sample Location: BRONX, NY

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 02/19/21 00:58
Analyst: WR

Date Collected: 02/16/21 09:20
Date Received: 02/16/21
Field Prep: Not Specified

Extraction Method: EPA 3510C
Extraction Date: 02/17/21 09:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	144	32.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	55		15-110

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-42
Client ID: FIELD BLANK 2
Sample Location: BRONX, NY

Date Collected: 02/16/21 09:20
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 02/19/21 18:53
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 02/17/21 08:12

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	ND		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: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-42 Date Collected: 02/16/21 09:20

Client ID: FIELD BLANK 2 Date Received: 02/16/21

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	34		21-120
Phenol-d6	46		10-120
Nitrobenzene-d5	91		23-120
2-Fluorobiphenyl	75		15-120
2,4,6-Tribromophenol	58		10-120
4-Terphenyl-d14	100		41-149

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-42
Client ID: FIELD BLANK 2
Sample Location: BRONX, NY

Date Collected: 02/16/21 09:20
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/18/21 06:56
Analyst: HT

Extraction Method: ALPHA 23528
Extraction Date: 02/17/21 10:34

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.85	0.378	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.85	0.367	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.85	0.220	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.85	0.304	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.85	0.208	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.85	0.348	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.85	0.218	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.85	1.23	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.85	0.637	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.85	0.289	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.85	0.467	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.85	0.281	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.85	1.12	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.85	0.600	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.85	0.241	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.85	0.907	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.85	0.537	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.85	0.744	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.85	0.344	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.85	0.303	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.85	0.230	1
PFOA/PFOS, Total	ND		ng/l	1.85	0.218	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-42 Date Collected: 02/16/21 09:20

Client ID: FIELD BLANK 2 Date Received: 02/16/21

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 (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	98		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	114		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	131		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	109		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	107		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	104		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	97		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	81		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	98		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	96		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	94		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	73		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	72		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	96		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	57		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	69		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	84		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	98		22-136

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 02/17/21 23:53
Analyst: EK

Extraction Method: EPA 3510C
Extraction Date: 02/17/21 02:47

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 40,42 Batch: WG1465472-1					
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: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 02/17/21 23:53
Analyst: EK

Extraction Method: EPA 3510C
Extraction Date: 02/17/21 02:47

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 40,42 Batch: WG1465472-1					
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: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 02/17/21 23:53
Analyst: EK

Extraction Method: EPA 3510C
Extraction Date: 02/17/21 02:47

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 40,42 Batch: WG1465472-1					
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Pentachlorophenol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.59
Carbazole	ND		ug/l	2.0	0.49

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		21-120
Phenol-d6	59		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	82		15-120
2,4,6-Tribromophenol	94		10-120
4-Terphenyl-d14	81		41-149

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 02/17/21 18:53
Analyst: ALS

Extraction Method: EPA 3510C
Extraction Date: 02/17/21 02:47

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 40,42 Batch: WG1465474-1					
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	0.02	J	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: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 02/17/21 18:53
Analyst: ALS

Extraction Method: EPA 3510C
Extraction Date: 02/17/21 02:47

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 40,42 Batch: WG1465474-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		21-120
Phenol-d6	62		10-120
Nitrobenzene-d5	116		23-120
2-Fluorobiphenyl	95		15-120
2,4,6-Tribromophenol	112		10-120
4-Terphenyl-d14	111		41-149

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 02/18/21 00:13
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 02/17/21 07:53

Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,03-08,10-11,13-14,16-17,19-20,22
Batch: WG1465559-1

Parameter	Result	Qualifier	Units	RL	MDL
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	98	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	17.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	18.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	55.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 02/18/21 00:13
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 02/17/21 07:53

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,03-08,10-11,13-14,16-17,19-20,22 Batch: WG1465559-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	27.
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	31.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	67.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	61.

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 02/18/21 00:13
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 02/17/21 07:53

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,03-08,10-11,13-14,16-17,19-20,22 Batch: WG1465559-1					
4-Nitrophenol	ND		ug/kg	230	66.
2,4-Dinitrophenol	ND		ug/kg	780	76.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	24	7.5

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		25-120
Phenol-d6	68		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	82		30-120
2,4,6-Tribromophenol	110		10-136
4-Terphenyl-d14	86		18-120

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/17/21 15:36
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 02/17/21 09:39

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01,03-08,10-11,13-14,16-17,19 Batch: WG1465572-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.500	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.500	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.250	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.500	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.250	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.250	0.061
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.250	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.500	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.500	0.136
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.250	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.250	0.130
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.250	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.500	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.500	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.500	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.500	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.500	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.500	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.500	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.500	0.054
PFOA/PFOS, Total	ND		ng/g	0.250	0.042

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/17/21 15:36
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 02/17/21 09:39

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01,03-08,10-11,13-14,16-17,19 Batch: WG1465572-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	114		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	133		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	133		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	128		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	119		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	133		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	118		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	64		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	123		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	120		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	118		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	86		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	92		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	113		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	45		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	82		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	111		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	96		24-159

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/18/21 14:09
Analyst: MP

Extraction Method: ALPHA 23528
Extraction Date: 02/17/21 09:39

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01,03-08,10-11,13-14,16-17,19 Batch: WG1465572-1					
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	91		10-117

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/18/21 03:37
Analyst: HT

Extraction Method: ALPHA 23528
Extraction Date: 02/17/21 10:34

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 40,42 Batch: WG1465593-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	ND		ng/l	2.00	0.236

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/18/21 03:37
Analyst: HT

Extraction Method: ALPHA 23528
Extraction Date: 02/17/21 10:34

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 40,42 Batch: WG1465593-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	103		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	109		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	129		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	113		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	110		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	113		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	103		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	127		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	107		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	106		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	97		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	120		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	91		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	101		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	59		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	85		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	83		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	92		22-136

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 02/18/21 16:40
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 02/17/21 09:30

Parameter	Result	Qualifier	Units	RL	MDL
1,4 Dioxane by 8270D-SIM - Mansfield Lab for sample(s): 40,42 Batch: WG1465598-1					
1,4-Dioxane	ND		ng/l	150	33.9

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	59		15-110

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/17/21 21:49
Analyst: HT

Extraction Method: ALPHA 23528
Extraction Date: 02/17/21 11:53

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 22-23,26-33 Batch: WG1465648-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.500	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.500	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.250	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.500	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.250	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.250	0.061
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.250	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.500	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.500	0.136
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.250	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.250	0.130
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.250	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.500	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.500	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.500	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.500	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.500	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.500	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.500	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.500	0.054
PFOA/PFOS, Total	ND		ng/g	0.250	0.042

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/17/21 21:49
Analyst: HT

Extraction Method: ALPHA 23528
Extraction Date: 02/17/21 11:53

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 22-23,26-33 Batch: WG1465648-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	110		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	119		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	137		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	117		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	115		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	118		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	109		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	146		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	107		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	121		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	112		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	132		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	101		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	121		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	32		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	93		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	100		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	110		24-159

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/22/21 13:38
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 02/17/21 11:53

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 22-23,26-33 Batch: WG1465648-1					
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	69		10-117

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 02/17/21 22:17
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 02/17/21 11:28

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 23-24,26-33 Batch: WG1465666-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	98	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 02/17/21 22:17
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 02/17/21 11:28

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 23-24,26-33 Batch: WG1465666-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	28.
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	62.

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 02/17/21 22:17
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 02/17/21 11:28

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 23-24,26-33 Batch: WG1465666-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	76.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	530	170
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	25	7.5

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	77		25-120
Phenol-d6	85		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	91		30-120
2,4,6-Tribromophenol	97		10-136
4-Terphenyl-d14	92		18-120

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/21/21 20:51
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 02/21/21 08:36

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 20,24 Batch: WG1466766-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.500	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.500	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.250	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.500	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.250	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.250	0.061
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.250	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.500	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.500	0.136
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.250	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.250	0.130
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.250	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.500	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.500	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.500	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.500	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.500	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.500	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.500	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.500	0.054
PFOA/PFOS, Total	ND		ng/g	0.250	0.042

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/21/21 20:51
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 02/21/21 08:36

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 20,24 Batch: WG1466766-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	98		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	108		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	137		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	117		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	110		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	109		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	103		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	98		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	104		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	106		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	102		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	142		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	88		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	118		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	16		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	92		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	101		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	110		24-159

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/22/21 14:07
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 02/21/21 08:36

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 20,24 Batch: WG1466766-1					
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	75		10-117

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 40,42 Batch: WG1465472-2 WG1465472-3								
Acenaphthene	88		82		37-111	7		30
1,2,4-Trichlorobenzene	83		79		39-98	5		30
Hexachlorobenzene	106		88		40-140	19		30
Bis(2-chloroethyl)ether	82		77		40-140	6		30
2-Chloronaphthalene	90		81		40-140	11		30
1,2-Dichlorobenzene	82		75		40-140	9		30
1,3-Dichlorobenzene	81		75		40-140	8		30
1,4-Dichlorobenzene	80		73		36-97	9		30
3,3'-Dichlorobenzidine	80		65		40-140	21		30
2,4-Dinitrotoluene	107		98		48-143	9		30
2,6-Dinitrotoluene	101		94		40-140	7		30
Fluoranthene	95		86		40-140	10		30
4-Chlorophenyl phenyl ether	97		90		40-140	7		30
4-Bromophenyl phenyl ether	100		90		40-140	11		30
Bis(2-chloroisopropyl)ether	70		65		40-140	7		30
Bis(2-chloroethoxy)methane	89		82		40-140	8		30
Hexachlorobutadiene	83		76		40-140	9		30
Hexachlorocyclopentadiene	74		68		40-140	8		30
Hexachloroethane	81		75		40-140	8		30
Isophorone	89		84		40-140	6		30
Naphthalene	86		76		40-140	12		30
Nitrobenzene	89		82		40-140	8		30
NDPA/DPA	102		88		40-140	15		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 40,42 Batch: WG1465472-2 WG1465472-3								
n-Nitrosodi-n-propylamine	92		84		29-132	9		30
Bis(2-ethylhexyl)phthalate	110		97		40-140	13		30
Butyl benzyl phthalate	105		94		40-140	11		30
Di-n-butylphthalate	94		88		40-140	7		30
Di-n-octylphthalate	120		105		40-140	13		30
Diethyl phthalate	110		101		40-140	9		30
Dimethyl phthalate	106		96		40-140	10		30
Benzo(a)anthracene	99		86		40-140	14		30
Benzo(a)pyrene	108		93		40-140	15		30
Benzo(b)fluoranthene	97		87		40-140	11		30
Benzo(k)fluoranthene	108		93		40-140	15		30
Chrysene	101		86		40-140	16		30
Acenaphthylene	91		82		45-123	10		30
Anthracene	98		88		40-140	11		30
Benzo(ghi)perylene	97		90		40-140	7		30
Fluorene	100		91		40-140	9		30
Phenanthrene	94		86		40-140	9		30
Dibenzo(a,h)anthracene	102		89		40-140	14		30
Indeno(1,2,3-cd)pyrene	98		90		40-140	9		30
Pyrene	93		84		26-127	10		30
Biphenyl	92		84		40-140	9		30
4-Chloroaniline	68		40		40-140	**52**	Q	30
2-Nitroaniline	104		97		52-143	7		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 40,42 Batch: WG1465472-2 WG1465472-3								
3-Nitroaniline	85		78		25-145	9		30
4-Nitroaniline	100		88		51-143	13		30
Dibenzofuran	96		87		40-140	10		30
2-Methylnaphthalene	89		80		40-140	11		30
1,2,4,5-Tetrachlorobenzene	88		82		2-134	7		30
Acetophenone	91		84		39-129	8		30
2,4,6-Trichlorophenol	99		88		30-130	12		30
p-Chloro-m-cresol	**103**	Q	92		23-97	11		30
2-Chlorophenol	91		84		27-123	8		30
2,4-Dichlorophenol	94		94		30-130	0		30
2,4-Dimethylphenol	84		77		30-130	9		30
2-Nitrophenol	95		89		30-130	7		30
4-Nitrophenol	**110**	Q	**96**	Q	10-80	14		30
2,4-Dinitrophenol	106		100		20-130	6		30
4,6-Dinitro-o-cresol	105		97		20-164	8		30
Pentachlorophenol	103		89		9-103	15		30
Phenol	70		64		12-110	9		30
2-Methylphenol	85		80		30-130	6		30
3-Methylphenol/4-Methylphenol	92		84		30-130	9		30
2,4,5-Trichlorophenol	102		94		30-130	8		30
Benzoic Acid	73		98		10-164	29		30
Benzyl Alcohol	85		80		26-116	6		30
Carbazole	97		86		55-144	12		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 40,42 Batch: WG1465472-2 WG1465472-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	84		76		21-120
Phenol-d6	72		66		10-120
Nitrobenzene-d5	93		80		23-120
2-Fluorobiphenyl	87		80		15-120
2,4,6-Tribromophenol	107		98		10-120
4-Terphenyl-d14	88		77		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 40,42 Batch: WG1465474-2 WG1465474-3								
Acenaphthene	80		81		40-140	1		40
2-Chloronaphthalene	92		94		40-140	2		40
Fluoranthene	104		108		40-140	4		40
Hexachlorobutadiene	86		88		40-140	2		40
Naphthalene	81		82		40-140	1		40
Benzo(a)anthracene	100		102		40-140	2		40
Benzo(a)pyrene	120		119		40-140	1		40
Benzo(b)fluoranthene	96		101		40-140	5		40
Benzo(k)fluoranthene	110		112		40-140	2		40
Chrysene	98		98		40-140	0		40
Acenaphthylene	102		107		40-140	5		40
Anthracene	99		100		40-140	1		40
Benzo(ghi)perylene	108		104		40-140	4		40
Fluorene	89		93		40-140	4		40
Phenanthrene	87		89		40-140	2		40
Dibenzo(a,h)anthracene	117		114		40-140	3		40
Indeno(1,2,3-cd)pyrene	111		108		40-140	3		40
Pyrene	107		109		40-140	2		40
2-Methylnaphthalene	87		89		40-140	2		40
Pentachlorophenol	124		126		40-140	2		40
Hexachlorobenzene	82		85		40-140	4		40
Hexachloroethane	86		89		40-140	3		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

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Report Date: 02/26/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 40,42 Batch: WG1465474-2 WG1465474-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	73		72		21-120
Phenol-d6	67		67		10-120
Nitrobenzene-d5	118		**127**	Q	23-120
2-Fluorobiphenyl	94		96		15-120
2,4,6-Tribromophenol	118		117		10-120
4-Terphenyl-d14	108		113		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-08,10-11,13-14,16-17,19-20,22 Batch: WG1465559-2 WG1465559-3								
Acenaphthene	69		72		31-137	4		50
1,2,4-Trichlorobenzene	78		80		38-107	3		50
Hexachlorobenzene	91		98		40-140	7		50
Bis(2-chloroethyl)ether	67		68		40-140	1		50
2-Chloronaphthalene	80		84		40-140	5		50
1,2-Dichlorobenzene	67		70		40-140	4		50
1,3-Dichlorobenzene	67		68		40-140	1		50
1,4-Dichlorobenzene	67		68		28-104	1		50
3,3'-Dichlorobenzidine	67		70		40-140	4		50
2,4-Dinitrotoluene	90		98		40-132	9		50
2,6-Dinitrotoluene	83		89		40-140	7		50
Fluoranthene	73		79		40-140	8		50
4-Chlorophenyl phenyl ether	81		84		40-140	4		50
4-Bromophenyl phenyl ether	89		93		40-140	4		50
Bis(2-chloroisopropyl)ether	45		47		40-140	4		50
Bis(2-chloroethoxy)methane	73		76		40-117	4		50
Hexachlorobutadiene	77		79		40-140	3		50
Hexachlorocyclopentadiene	83		88		40-140	6		50
Hexachloroethane	66		68		40-140	3		50
Isophorone	72		76		40-140	5		50
Naphthalene	68		71		40-140	4		50
Nitrobenzene	66		70		40-140	6		50
NDPA/DPA	78		83		36-157	6		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-08,10-11,13-14,16-17,19-20,22 Batch: WG1465559-2 WG1465559-3								
n-Nitrosodi-n-propylamine	73		77		32-121	5		50
Bis(2-ethylhexyl)phthalate	100		101		40-140	1		50
Butyl benzyl phthalate	80		86		40-140	7		50
Di-n-butylphthalate	94		97		40-140	3		50
Di-n-octylphthalate	100		101		40-140	1		50
Diethyl phthalate	87		90		40-140	3		50
Dimethyl phthalate	87		91		40-140	4		50
Benzo(a)anthracene	76		80		40-140	5		50
Benzo(a)pyrene	98		102		40-140	4		50
Benzo(b)fluoranthene	85		90		40-140	6		50
Benzo(k)fluoranthene	88		90		40-140	2		50
Chrysene	76		80		40-140	5		50
Acenaphthylene	77		80		40-140	4		50
Anthracene	74		78		40-140	5		50
Benzo(ghi)perylene	75		79		40-140	5		50
Fluorene	76		81		40-140	6		50
Phenanthrene	70		72		40-140	3		50
Dibenzo(a,h)anthracene	79		83		40-140	5		50
Indeno(1,2,3-cd)pyrene	76		81		40-140	6		50
Pyrene	71		77		35-142	8		50
Biphenyl	81		85		37-127	5		50
4-Chloroaniline	54		65		40-140	18		50
2-Nitroaniline	81		88		47-134	8		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-08,10-11,13-14,16-17,19-20,22 Batch: WG1465559-2 WG1465559-3								
3-Nitroaniline	57		58		26-129	2		50
4-Nitroaniline	78		87		41-125	11		50
Dibenzofuran	74		77		40-140	4		50
2-Methylnaphthalene	74		76		40-140	3		50
1,2,4,5-Tetrachlorobenzene	87		90		40-117	3		50
Acetophenone	84		89		14-144	6		50
2,4,6-Trichlorophenol	88		94		30-130	7		50
p-Chloro-m-cresol	77		83		26-103	8		50
2-Chlorophenol	72		76		25-102	5		50
2,4-Dichlorophenol	82		86		30-130	5		50
2,4-Dimethylphenol	74		78		30-130	5		50
2-Nitrophenol	85		90		30-130	6		50
4-Nitrophenol	70		80		11-114	13		50
2,4-Dinitrophenol	76		85		4-130	11		50
4,6-Dinitro-o-cresol	82		91		10-130	10		50
Pentachlorophenol	95		105		17-109	10		50
Phenol	65		69		26-90	6		50
2-Methylphenol	69		74		30-130.	7		50
3-Methylphenol/4-Methylphenol	70		74		30-130	6		50
2,4,5-Trichlorophenol	88		95		30-130	8		50
Benzoic Acid	59		72		10-110	20		50
Benzyl Alcohol	73		77		40-140	5		50
Carbazole	72		78		54-128	8		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-08,10-11,13-14,16-17,19-20,22 Batch: WG1465559-2 WG1465559-3								
1,4-Dioxane	46		51		40-140	10		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	67		70		25-120
Phenol-d6	65		67		10-120
Nitrobenzene-d5	68		71		23-120
2-Fluorobiphenyl	77		79		30-120
2,4,6-Tribromophenol	103		109		10-136
4-Terphenyl-d14	78		82		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01,03-08,10-11,13-14,16-17,19 Batch: WG1465572-2								
Perfluorobutanoic Acid (PFBA)	98		-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	101		-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	100		-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	99		-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	97		-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	95		-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	96		-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	100		-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	108		-		70-132	-		30
Perfluorononanoic Acid (PFNA)	100		-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	108		-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	101		-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	100		-		65-137	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	97		-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	103		-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	117		-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	93		-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	103		-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	104		-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	99		-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	107		-		69-133	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
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Lab Number: L2107354
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01,03-08,10-11,13-14,16-17,19 Batch: WG1465572-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	120				61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	133				58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	139				74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**134**	Q			66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	125				71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	139				78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	123				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	63				20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	123				72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	118				79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	124				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	76				19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	97				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	117				61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	52				10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	85				34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	113				54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	96				24-159

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01,03-08,10-11,13-14,16-17,19 Batch: WG1465572-2								
Perfluorooctanesulfonamide (FOSA)	104		-		67-137	-		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	91				10-117

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 40,42 Batch: WG1465593-2								
Perfluorobutanoic Acid (PFBA)	116		-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	120		-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	115		-		65-157	-		30
Perfluorohexanoic Acid (PFHxA)	118		-		69-168	-		30
Perfluoroheptanoic Acid (PFHpA)	116		-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	134		-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	121		-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	123		-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	117		-		61-179	-		30
Perfluorononanoic Acid (PFNA)	115		-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	119		-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	113		-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	115		-		56-173	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	108		-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	120		-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	116		-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	120		-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	112		-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	130		-		67-153	-		30
Perfluorotridecanoic Acid (PFTrDA)	138		-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	120		-		59-182	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354

Report Date: 02/26/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 40,42 Batch: WG1465593-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	104				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	109				62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**137**	Q			70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	114				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	109				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	112				71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	103				62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	134				14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	107				59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	111				69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	100				62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	128				10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	101				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	102				55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	68				10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	100				27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	88				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	98				22-136

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270D-SIM - Mansfield Lab Associated sample(s): 40,42 Batch: WG1465598-2 WG1465598-3								
1,4-Dioxane	119		122		40-140	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,4-Dioxane-d8	58		63		15-110

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 22-23,26-33 Batch: WG1465648-2								
Perfluorobutanoic Acid (PFBA)	120		-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	123		-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	117		-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	123		-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	119		-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	**132**	Q	-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	126		-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	**172**	Q	-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	127		-		70-132	-		30
Perfluorononanoic Acid (PFNA)	122		-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	123		-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	117		-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	119		-		65-137	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	114		-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	125		-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	130		-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	126		-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	126		-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	130		-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	**143**	Q	-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	126		-		69-133	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354

Report Date: 02/26/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 22-23,26-33 Batch: WG1465648-2

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	104				61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	103				58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	127				74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	111				66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	110				71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	113				78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	105				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	132				20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	102				72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	109				79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	108				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	132				19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	110				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	115				61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	26				10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	101				34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	99				54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	108				24-159

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354

Report Date: 02/26/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 22-23,26-33 Batch: WG1465648-2								
Perfluorooctanesulfonamide (FOSA)	114		-		67-137	-		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	75				10-117

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 23-24,26-33 Batch: WG1465666-2 WG1465666-3								
Acenaphthene	74		74		31-137	0		50
1,2,4-Trichlorobenzene	75		89		38-107	17		50
Hexachlorobenzene	90		82		40-140	9		50
Bis(2-chloroethyl)ether	64		77		40-140	18		50
2-Chloronaphthalene	79		87		40-140	10		50
1,2-Dichlorobenzene	64		78		40-140	20		50
1,3-Dichlorobenzene	67		78		40-140	15		50
1,4-Dichlorobenzene	65		72		28-104	10		50
3,3'-Dichlorobenzidine	65		66		40-140	2		50
2,4-Dinitrotoluene	100		93		40-132	7		50
2,6-Dinitrotoluene	89		92		40-140	3		50
Fluoranthene	78		81		40-140	4		50
4-Chlorophenyl phenyl ether	89		84		40-140	6		50
4-Bromophenyl phenyl ether	97		87		40-140	11		50
Bis(2-chloroisopropyl)ether	65		79		40-140	19		50
Bis(2-chloroethoxy)methane	84		93		40-117	10		50
Hexachlorobutadiene	71		73		40-140	3		50
Hexachlorocyclopentadiene	84		85		40-140	1		50
Hexachloroethane	56		68		40-140	19		50
Isophorone	75		79		40-140	5		50
Naphthalene	74		74		40-140	0		50
Nitrobenzene	72		87		40-140	19		50
NDPA/DPA	93		84		36-157	10		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 23-24,26-33 Batch: WG1465666-2 WG1465666-3								
n-Nitrosodi-n-propylamine	78		94		32-121	19		50
Bis(2-ethylhexyl)phthalate	89		89		40-140	0		50
Butyl benzyl phthalate	87		89		40-140	2		50
Di-n-butylphthalate	82		89		40-140	8		50
Di-n-octylphthalate	82		84		40-140	2		50
Diethyl phthalate	88		80		40-140	10		50
Dimethyl phthalate	84		87		40-140	4		50
Benzo(a)anthracene	84		83		40-140	1		50
Benzo(a)pyrene	86		94		40-140	9		50
Benzo(b)fluoranthene	88		87		40-140	1		50
Benzo(k)fluoranthene	68		70		40-140	3		50
Chrysene	74		74		40-140	0		50
Acenaphthylene	81		84		40-140	4		50
Anthracene	77		76		40-140	1		50
Benzo(ghi)perylene	77		79		40-140	3		50
Fluorene	90		85		40-140	6		50
Phenanthrene	80		79		40-140	1		50
Dibenzo(a,h)anthracene	78		79		40-140	1		50
Indeno(1,2,3-cd)pyrene	87		88		40-140	1		50
Pyrene	81		81		35-142	0		50
Biphenyl	87		96		37-127	10		50
4-Chloroaniline	54		41		40-140	27		50
2-Nitroaniline	94		99		47-134	5		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 23-24,26-33 Batch: WG1465666-2 WG1465666-3								
3-Nitroaniline	66		66		26-129	0		50
4-Nitroaniline	90		84		41-125	7		50
Dibenzofuran	89		83		40-140	7		50
2-Methylnaphthalene	89		90		40-140	1		50
1,2,4,5-Tetrachlorobenzene	96		97		40-117	1		50
Acetophenone	86		102		14-144	17		50
2,4,6-Trichlorophenol	110		105		30-130	5		50
p-Chloro-m-cresol	102		90		26-103	13		50
2-Chlorophenol	76		91		25-102	18		50
2,4-Dichlorophenol	94		109		30-130	15		50
2,4-Dimethylphenol	86		92		30-130	7		50
2-Nitrophenol	88		97		30-130	10		50
4-Nitrophenol	104		96		11-114	8		50
2,4-Dinitrophenol	90		84		4-130	7		50
4,6-Dinitro-o-cresol	91		84		10-130	8		50
Pentachlorophenol	104		92		17-109	12		50
Phenol	79		**91**	Q	26-90	14		50
2-Methylphenol	79		92		30-130.	15		50
3-Methylphenol/4-Methylphenol	83		102		30-130	21		50
2,4,5-Trichlorophenol	93		92		30-130	1		50
Benzoic Acid	82		78		10-110	5		50
Benzyl Alcohol	87		98		40-140	12		50
Carbazole	81		82		54-128	1		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 23-24,26-33 Batch: WG1465666-2 WG1465666-3								
1,4-Dioxane	50		58		40-140	15		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	71		89		25-120
Phenol-d6	79		91		10-120
Nitrobenzene-d5	69		85		23-120
2-Fluorobiphenyl	79		82		30-120
2,4,6-Tribromophenol	96		86		10-136
4-Terphenyl-d14	78		78		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 20,24 Batch: WG1466766-2								
Perfluorobutanoic Acid (PFBA)	103		-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	105		-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	101		-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	106		-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	102		-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	122		-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	108		-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	108		-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	101		-		70-132	-		30
Perfluorononanoic Acid (PFNA)	102		-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	106		-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	102		-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	108		-		65-137	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	106		-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	105		-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	102		-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	104		-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	102		-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	120		-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	134		-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	107		-		69-133	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354

Report Date: 02/26/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 20,24 Batch: WG1466766-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	103				61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	109				58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**150**	Q			74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	124				66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	116				71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	110				78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	107				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	108				20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	102				72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	114				79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	105				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	117				19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	94				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	115				61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	20				10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	101				34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	100				54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	114				24-159

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 20,24 Batch: WG1466766-2								
Perfluorooctanesulfonamide (FOSA)	99		-		67-137	-		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	78				10-117

Matrix Spike Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354

Report Date: 02/26/21

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): 01,03-08,10-11,13-14,16-17,19 QC Batch ID: WG1465572-3 QC Sample: L2107506-01 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	ND	5.19	5.80	112		-	-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	ND	5.19	6.09	117		-	-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	ND	4.61	5.20	113		-	-		72-128	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	4.86	6.24	128		-	-		62-145	-		30
Perfluorohexanoic Acid (PFHxA)	ND	5.19	5.89	113		-	-		70-132	-		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	4.88	5.33	109		-	-		73-123	-		30
Perfluoroheptanoic Acid (PFHpA)	ND	5.19	5.60	108		-	-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	4.74	5.35	113		-	-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	ND	5.19	5.58	107		-	-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	4.94	9.04	**183**	Q	-	-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	4.94	6.13	124		-	-		70-132	-		30
Perfluorononanoic Acid (PFNA)	ND	5.19	5.86	113		-	-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	ND	4.82	5.69	118		-	-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	ND	5.19	5.80	112		-	-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	4.98	5.37F	108		-	-		65-137	-		30
Perfluorononanesulfonic Acid (PFNS)	ND	4.99	6.34	**127**	Q	-	-		69-125	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	5.19	6.07	117		-	-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	ND	5.19	6.06	117		-	-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	ND	5	5.89	118		-	-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	ND	5.19	6.10	117		-	-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	5.19	4.98	96		-	-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	ND	5.19	6.02	116		-	-		69-135	-		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354

Report Date: 02/26/21

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): 01,03-08,10-11,13-14,16-17,19 QC Batch ID: WG1465572-3 QC Sample: L2107506-01 Client ID: MS Sample												
Perfluorotridecanoic Acid (PFTrDA)	ND	5.19	5.30	102		-	-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	ND	5.19	5.90	114		-	-		69-133	-		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	52				19-175
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	57				14-167
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	44				20-154
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**31**	Q			34-137
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**22**	Q			31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	70				61-155
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	75				75-130
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	78				66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	78				71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	93				78-139
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	66				54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	46				24-159
Perfluoro[13C4]Butanoic Acid (MPFBA)	70				61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	79				58-150
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	72				10-117
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	81				79-136
Perfluoro[13C8]Octanoic Acid (M8PFOA)	79				75-130
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	76				72-140
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	96				74-139

Matrix Spike Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354

Report Date: 02/26/21

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): 40,42 QC Batch ID: WG1465593-3 QC Sample: L2100462-13 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	ND	37.4	44.6	119		-	-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	ND	37.4	46.1	123		-	-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	ND	33.2	39.2	118		-	-		65-157	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	35	46.9	134		-	-		37-219	-		30
Perfluorohexanoic Acid (PFHxA)	ND	37.4	45.7	122		-	-		69-168	-		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	35.2	48.0	136		-	-		52-156	-		30
Perfluoroheptanoic Acid (PFHpA)	ND	37.4	44.8	120		-	-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	34.2	44.7	131		-	-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	ND	37.4	46.1	123		-	-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	35.6	44.5	125		-	-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	35.6	47.1	132		-	-		61-179	-		30
Perfluorononanoic Acid (PFNA)	ND	37.4	44.4	119		-	-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	ND	34.8	42.6	123		-	-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	ND	37.4	42.7	114		-	-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	36	52.0	145		-	-		56-173	-		30
Perfluorononanesulfonic Acid (PFNS)	ND	36	42.4	118		-	-		48-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	37.4	53.4	143		-	-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	ND	37.4	45.0	120		-	-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	ND	36.1	39.4	109		-	-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	ND	37.4	44.3F	118		-	-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	37.4	50.5	135		-	-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	ND	37.4	50.3	134		-	-		67-153	-		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354

Report Date: 02/26/21

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): 40,42 QC Batch ID: WG1465593-3 QC Sample: L2100462-13 Client ID: MS Sample												
Perfluorotridecanoic Acid (PFTrDA)	ND	37.4	53.6	143		-	-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	ND	37.4	46.4	124		-	-		59-182	-		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	83				10-162
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	100				12-142
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	93				14-147
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	63				27-126
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	64				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	97				55-137
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	94				62-124
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	92				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	96				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	116				71-134
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	84				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	93				22-136
Perfluoro[13C4]Butanoic Acid (MPFBA)	78				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	108				62-163
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	40				10-112
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	102				69-131
Perfluoro[13C8]Octanoic Acid (M8PFOA)	94				62-129
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	98				59-139
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**134**	Q			70-131

Matrix Spike Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354

Report Date: 02/26/21

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): 22-23,26-33 QC Batch ID: WG1465648-3 WG1465648-4 QC Sample: L2107354-27 Client ID: SB-11 (0-2)												
Perfluorobutanoic Acid (PFBA)	ND	5.57	6.58	118		6.32	121		71-135	4		30
Perfluoropentanoic Acid (PFPeA)	ND	5.57	6.78	122		6.54	125		69-132	4		30
Perfluorobutanesulfonic Acid (PFBS)	ND	4.95	5.79	117		5.54	119		72-128	4		30
Perfluorohexanoic Acid (PFHxA)	ND	5.57	6.72	121		6.54	125		70-132	3		30
Perfluoroheptanoic Acid (PFHpA)	ND	5.57	6.63	119		6.26	120		71-131	6		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	5.09	6.78	**133**	Q	6.40	**134**	Q	67-130	6		30
Perfluorooctanoic Acid (PFOA)	0.054J	5.57	6.76	120		6.60	125		69-133	2		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	5.3	6.78	128		6.29	126		64-140	7		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	5.3	6.82	129		6.43	129		70-132	6		30
Perfluorononanoic Acid (PFNA)	ND	5.57	6.48	116		6.45	123		72-129	0		30
Perfluorooctanesulfonic Acid (PFOS)	0.436	5.17	6.50	117		6.24	120		68-136	4		30
Perfluorodecanoic Acid (PFDA)	ND	5.57	6.52	117		6.34	121		69-133	3		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	5.35	6.32	118		6.24	124		65-137	1		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	5.57	6.66	120		6.93	132		63-144	4		30
Perfluoroundecanoic Acid (PFUnA)	ND	5.57	6.78	122		6.42	123		64-136	5		30
Perfluorodecanesulfonic Acid (PFDS)	ND	5.37	6.66	124		6.13	122		59-134	8		30
Perfluorooctanesulfonamide (FOSA)	ND	5.57	6.46F	116		6.31F	121		67-137	2		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	5.57	8.25	**148**	Q	6.29	120		61-139	27		30
Perfluorododecanoic Acid (PFDoA)	ND	5.57	7.24	130		7.06	135		69-135	3		30
Perfluorotridecanoic Acid (PFTrDA)	ND	5.57	8.06	**145**	Q	7.52	**144**	Q	66-139	7		30
Perfluorotetradecanoic Acid (PFTA)	ND	5.57	6.96	125		6.52	125		69-133	7		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354

Report Date: 02/26/21

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): 22-23,26-33 QC Batch ID: WG1465648-3 WG1465648-4 QC Sample: L2107354-27 Client ID: SB-11 (0-2)

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	148		131		19-175
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	138		134		20-154
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	83		100		34-137
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	104		91		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	120		115		61-155
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	113		108		75-130
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	124		113		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	121		114		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	118		113		78-139
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	100		99		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	107		104		24-159
Perfluoro[13C4]Butanoic Acid (MPFBA)	114		106		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	111		104		58-150
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	41		43		10-117
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	118		112		79-136
Perfluoro[13C8]Octanoic Acid (M8PFOA)	116		107		75-130
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	113		103		72-140
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	135		128		74-139

Matrix Spike Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354

Report Date: 02/26/21

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): 22-23,26-33 QC Batch ID: WG1465648-5 WG1465648-6 QC Sample: L2107354-32 Client ID: SB-13 (0-2)												
Perfluorobutanoic Acid (PFBA)	ND	5.12	6.15	120		6.25	121		71-135	2		30
Perfluoropentanoic Acid (PFPeA)	ND	5.12	6.21	121		6.33	122		69-132	2		30
Perfluorobutanesulfonic Acid (PFBS)	ND	4.55	5.39	119		5.48	119		72-128	2		30
Perfluorohexanoic Acid (PFHxA)	ND	5.12	6.16	120		6.37	123		70-132	3		30
Perfluoroheptanoic Acid (PFHpA)	ND	5.12	6.07	119		6.15	119		71-131	1		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	4.68	6.10	130		6.89	**146**	Q	67-130	12		30
Perfluorooctanoic Acid (PFOA)	ND	5.12	6.43	126		6.44	125		69-133	0		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	4.87	6.18	127		6.41	130		64-140	4		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	4.87	6.08	125		5.89	120		70-132	3		30
Perfluorononanoic Acid (PFNA)	ND	5.12	6.14	120		6.24	121		72-129	2		30
Perfluorooctanesulfonic Acid (PFOS)	ND	4.75	5.62	118		5.74	120		68-136	2		30
Perfluorodecanoic Acid (PFDA)	ND	5.12	5.84	114		5.89	114		69-133	1		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	4.92	6.27	128		6.60	133		65-137	5		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	5.12	5.84	114		6.45	125		63-144	10		30
Perfluoroundecanoic Acid (PFUnA)	ND	5.12	6.31	123		6.30	122		64-136	0		30
Perfluorodecanesulfonic Acid (PFDS)	ND	4.94	5.94	120		5.94	119		59-134	0		30
Perfluorooctanesulfonamide (FOSA)	ND	5.12	5.94	116		6.27	121		67-137	5		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	5.12	6.80	133		6.96	135		61-139	2		30
Perfluorododecanoic Acid (PFDoA)	ND	5.12	6.86	134		6.87	133		69-135	0		30
Perfluorotridecanoic Acid (PFTrDA)	ND	5.12	7.31	**143**	Q	7.62	**147**	Q	66-139	4		30
Perfluorotetradecanoic Acid (PFTA)	ND	5.12	6.35	124		6.75	131		69-133	6		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354

Report Date: 02/26/21

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): 22-23,26-33 QC Batch ID: WG1465648-5 WG1465648-6 QC Sample: L2107354-32 Client ID: SB-13 (0-2)

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	125		115		19-175
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	117		120		20-154
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	80		85		34-137
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	100		92		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	115		122		61-155
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	112		115		75-130
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	119		118		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	119		119		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	119		105		78-139
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	99		100		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	103		104		24-159
Perfluoro[13C4]Butanoic Acid (MPFBA)	110		110		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	109		108		58-150
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	109		107		10-117
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	119		118		79-136
Perfluoro[13C8]Octanoic Acid (M8PFOA)	109		112		75-130
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	107		108		72-140
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	130		131		74-139

Matrix Spike Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354

Report Date: 02/26/21

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): 23-24,26-33 QC Batch ID: WG1465666-4 WG1465666-5 QC Sample: L2107354-27 Client ID: SB-11 (0-2)												
Acenaphthene	ND	1530	1200	78		1200	79		31-137	0		50
1,2,4-Trichlorobenzene	ND	1530	1100	72		1200	79		38-107	9		50
Hexachlorobenzene	ND	1530	1200	78		1300	86		40-140	8		50
Bis(2-chloroethyl)ether	ND	1530	1200	78		1200	79		40-140	0		50
2-Chloronaphthalene	ND	1530	1200	78		1200	79		40-140	0		50
1,2-Dichlorobenzene	ND	1530	1200	78		1200	79		40-140	0		50
1,3-Dichlorobenzene	ND	1530	1100	72		1200	79		40-140	9		50
1,4-Dichlorobenzene	ND	1530	1100	72		1200	79		28-104	9		50
3,3'-Dichlorobenzidine	ND	1530	840	55		860	57		40-140	2		50
2,4-Dinitrotoluene	ND	1530	1400	91		1400	93		40-132	0		50
2,6-Dinitrotoluene	ND	1530	1300	85		1400	93		40-140	7		50
Fluoranthene	130	1530	1300	76		1300	77		40-140	0		50
4-Chlorophenyl phenyl ether	ND	1530	1200	78		1200	79		40-140	0		50
4-Bromophenyl phenyl ether	ND	1530	1200	78		1200	79		40-140	0		50
Bis(2-chloroisopropyl)ether	ND	1530	1200	78		1200	79		40-140	0		50
Bis(2-chloroethoxy)methane	ND	1530	1200	78		1200	79		40-117	0		50
Hexachlorobutadiene	ND	1530	1200	78		1200	79		40-140	0		50
Hexachlorocyclopentadiene	ND	1530	1100	72		1100	73		40-140	0		50
Hexachloroethane	ND	1530	1200	78		1200	79		40-140	0		50
Isophorone	ND	1530	1200	78		1300	86		40-140	8		50
Naphthalene	ND	1530	1200	78		1200	79		40-140	0		50
Nitrobenzene	ND	1530	1400	91		1400	93		40-140	0		50
NDPA/DPA	ND	1530	1300	85		1300	86		36-157	0		50

Matrix Spike Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354

Report Date: 02/26/21

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): 23-24,26-33 QC Batch ID: WG1465666-4 WG1465666-5 QC Sample: L2107354-27 Client ID: SB-11 (0-2)												
n-Nitrosodi-n-propylamine	ND	1530	1300	85		1300	86		32-121	0		50
Bis(2-ethylhexyl)phthalate	ND	1530	1400	91		1500	99		40-140	7		50
Butyl benzyl phthalate	ND	1530	1500	98		1500	99		40-140	0		50
Di-n-butylphthalate	ND	1530	1500	98		1500	99		40-140	0		50
Di-n-octylphthalate	ND	1530	1500	98		1500	99		40-140	0		50
Diethyl phthalate	ND	1530	1300	85		1300	86		40-140	0		50
Dimethyl phthalate	ND	1530	1200	78		1300	86		40-140	8		50
Benzo(a)anthracene	58J	1530	1200	78		1200	79		40-140	0		50
Benzo(a)pyrene	60J	1530	1200	78		1300	86		40-140	8		50
Benzo(b)fluoranthene	66J	1530	1300	85		1300	86		40-140	0		50
Benzo(k)fluoranthene	33J	1530	1100	72		1200	79		40-140	9		50
Chrysene	63J	1530	1100	72		1200	79		40-140	9		50
Acenaphthylene	ND	1530	1200	78		1200	79		40-140	0		50
Anthracene	ND	1530	1200	78		1300	86		40-140	8		50
Benzo(ghi)perylene	42J	1530	1100	72		1200	79		40-140	9		50
Fluorene	ND	1530	1200	78		1200	79		40-140	0		50
Phenanthrene	110	1530	1200	78		1200	79		40-140	0		50
Dibenzo(a,h)anthracene	ND	1530	1200	78		1200	79		40-140	0		50
Indeno(1,2,3-cd)pyrene	46J	1530	1200	78		1300	86		40-140	8		50
Pyrene	130	1530	1200	70		1300	77		35-142	8		50
Biphenyl	ND	1530	1100	72		1200	79		37-127	9		50
4-Chloroaniline	ND	1530	1200	78		1200	79		40-140	0		50
2-Nitroaniline	ND	1530	1400	91		1500	99		47-134	7		50

Matrix Spike Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354

Report Date: 02/26/21

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): 23-24,26-33 QC Batch ID: WG1465666-4 WG1465666-5 QC Sample: L2107354-27 Client ID: SB-11 (0-2)												
3-Nitroaniline	ND	1530	1100	72		1100	73		26-129	0		50
4-Nitroaniline	ND	1530	1300	85		1300	86		41-125	0		50
Dibenzofuran	ND	1530	1200	78		1200	79		40-140	0		50
2-Methylnaphthalene	ND	1530	1200	78		1200	79		40-140	0		50
1,2,4,5-Tetrachlorobenzene	ND	1530	1100	72		1200	79		40-117	9		50
Acetophenone	ND	1530	1200	78		1200	79		14-144	0		50
2,4,6-Trichlorophenol	ND	1530	780	51		780	52		30-130	0		50
p-Chloro-m-cresol	ND	1530	1300	85		1300	86		26-103	0		50
2-Chlorophenol	ND	1530	1100	72		1200	79		25-102	9		50
2,4-Dichlorophenol	ND	1530	1200	78		1300	86		30-130	8		50
2,4-Dimethylphenol	ND	1530	1200	78		1200	79		30-130	0		50
2-Nitrophenol	ND	1530	1300	85		1400	93		30-130	7		50
4-Nitrophenol	ND	1530	380	25		370	24		11-114	3		50
2,4-Dinitrophenol	ND	1530	ND	**0**	Q	ND	**0**	Q	4-130	NC		50
4,6-Dinitro-o-cresol	ND	1530	ND	**0**	Q	ND	**0**	Q	10-130	NC		50
Pentachlorophenol	ND	1530	170	**11**	Q	160	**11**	Q	17-109	6		50
Phenol	ND	1530	1100	72		1100	73		26-90	0		50
2-Methylphenol	ND	1530	1200	78		1200	79		30-130.	0		50
3-Methylphenol/4-Methylphenol	ND	1530	1300	85		1300	86		30-130	0		50
2,4,5-Trichlorophenol	ND	1530	1100	72		1100	73		30-130	0		50
Benzoic Acid	ND	1530	ND	**0**	Q	ND	**0**	Q	10-110	NC		50
Benzyl Alcohol	ND	1530	1300	85		1300	86		40-140	0		50
Carbazole	ND	1530	1200	78		1200	79		54-128	0		50

Matrix Spike Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354

Report Date: 02/26/21

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): 23-24,26-33 QC Batch ID: WG1465666-4 WG1465666-5 QC Sample: L2107354-27 Client ID: SB-11 (0-2)												
1,4-Dioxane	ND	1530	800	52		890	59		40-140	11		50

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	67		67		10-136
2-Fluorobiphenyl	74		75		30-120
2-Fluorophenol	65		65		25-120
4-Terphenyl-d14	71		72		18-120
Nitrobenzene-d5	91		97		23-120
Phenol-d6	72		75		10-120

Matrix Spike Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354

Report Date: 02/26/21

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): 23-24,26-33 QC Batch ID: WG1465666-6 WG1465666-7 QC Sample: L2107354-32 Client ID: SB-13 (0-2)												
Acenaphthene	ND	1450	1200	83		1200	83		31-137	0		50
1,2,4-Trichlorobenzene	ND	1450	1100	76		1100	76		38-107	0		50
Hexachlorobenzene	ND	1450	1300	89		1200	83		40-140	8		50
Bis(2-chloroethyl)ether	ND	1450	1100	76		1000	69		40-140	10		50
2-Chloronaphthalene	ND	1450	1200	83		1200	83		40-140	0		50
1,2-Dichlorobenzene	ND	1450	1200	83		1000	69		40-140	18		50
1,3-Dichlorobenzene	ND	1450	1100	76		990	68		40-140	11		50
1,4-Dichlorobenzene	ND	1450	1100	76		1000	69		28-104	10		50
3,3'-Dichlorobenzidine	ND	1450	900	62		860	59		40-140	5		50
2,4-Dinitrotoluene	ND	1450	1500	100		1400	97		40-132	7		50
2,6-Dinitrotoluene	ND	1450	1300	89		1200	83		40-140	8		50
Fluoranthene	ND	1450	1300	89		1200	83		40-140	8		50
4-Chlorophenyl phenyl ether	ND	1450	1200	83		1100	76		40-140	9		50
4-Bromophenyl phenyl ether	ND	1450	1200	83		1200	83		40-140	0		50
Bis(2-chloroisopropyl)ether	ND	1450	1200	83		1100	76		40-140	9		50
Bis(2-chloroethoxy)methane	ND	1450	1100	76		1100	76		40-117	0		50
Hexachlorobutadiene	ND	1450	1200	83		1100	76		40-140	9		50
Hexachlorocyclopentadiene	ND	1450	1300	89		1200	83		40-140	8		50
Hexachloroethane	ND	1450	1200	83		1000	69		40-140	18		50
Isophorone	ND	1450	1200	83		1100	76		40-140	9		50
Naphthalene	ND	1450	1200	83		1100	76		40-140	9		50
Nitrobenzene	ND	1450	1400	96		1200	83		40-140	15		50
NDPA/DPA	ND	1450	1300	89		1200	83		36-157	8		50

Matrix Spike Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354

Report Date: 02/26/21

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): 23-24,26-33 QC Batch ID: WG1465666-6 WG1465666-7 QC Sample: L2107354-32 Client ID: SB-13 (0-2)												
n-Nitrosodi-n-propylamine	ND	1450	1300	89		1200	83		32-121	8		50
Bis(2-ethylhexyl)phthalate	ND	1450	1400	96		1300	90		40-140	7		50
Butyl benzyl phthalate	ND	1450	1500	100		1400	97		40-140	7		50
Di-n-butylphthalate	ND	1450	1500	100		1400	97		40-140	7		50
Di-n-octylphthalate	ND	1450	1500	100		1400	97		40-140	7		50
Diethyl phthalate	ND	1450	1300	89		1200	83		40-140	8		50
Dimethyl phthalate	ND	1450	1300	89		1200	83		40-140	8		50
Benzo(a)anthracene	ND	1450	1200	83		1200	83		40-140	0		50
Benzo(a)pyrene	ND	1450	1400	96		1200	83		40-140	15		50
Benzo(b)fluoranthene	ND	1450	1300	89		1300	90		40-140	0		50
Benzo(k)fluoranthene	ND	1450	1200	83		1100	76		40-140	9		50
Chrysene	ND	1450	1200	83		1100	76		40-140	9		50
Acenaphthylene	ND	1450	1200	83		1200	83		40-140	0		50
Anthracene	ND	1450	1300	89		1200	83		40-140	8		50
Benzo(ghi)perylene	ND	1450	1300	89		1200	83		40-140	8		50
Fluorene	ND	1450	1200	83		1200	83		40-140	0		50
Phenanthrene	ND	1450	1200	83		1100	76		40-140	9		50
Dibenzo(a,h)anthracene	ND	1450	1300	89		1300	90		40-140	0		50
Indeno(1,2,3-cd)pyrene	ND	1450	1300	89		1200	83		40-140	8		50
Pyrene	ND	1450	1300	89		1200	83		35-142	8		50
Biphenyl	ND	1450	1100	76		1100	76		37-127	0		50
4-Chloroaniline	ND	1450	1200	83		1100	76		40-140	9		50
2-Nitroaniline	ND	1450	1400	96		1400	97		47-134	0		50

Matrix Spike Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354

Report Date: 02/26/21

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): 23-24,26-33 QC Batch ID: WG1465666-6 WG1465666-7 QC Sample: L2107354-32 Client ID: SB-13 (0-2)												
3-Nitroaniline	ND	1450	1100	76		1100	76		26-129	0		50
4-Nitroaniline	ND	1450	1500	100		1300	90		41-125	14		50
Dibenzofuran	ND	1450	1200	83		1200	83		40-140	0		50
2-Methylnaphthalene	ND	1450	1200	83		1100	76		40-140	9		50
1,2,4,5-Tetrachlorobenzene	ND	1450	1100	76		1100	76		40-117	0		50
Acetophenone	ND	1450	1200	83		1100	76		14-144	9		50
2,4,6-Trichlorophenol	ND	1450	1300	89		1300	90		30-130	0		50
p-Chloro-m-cresol	ND	1450	1400	96		1300	90		26-103	7		50
2-Chlorophenol	ND	1450	1300	89		1100	76		25-102	17		50
2,4-Dichlorophenol	ND	1450	1400	96		1300	90		30-130	7		50
2,4-Dimethylphenol	ND	1450	1300	89		1200	83		30-130	8		50
2-Nitrophenol	ND	1450	1600	110		1500	100		30-130	6		50
4-Nitrophenol	ND	1450	1700	**120**	Q	1500	100		11-114	13		50
2,4-Dinitrophenol	ND	1450	310J	21		240J	17		4-130	25		50
4,6-Dinitro-o-cresol	ND	1450	1200	83		1000	69		10-130	18		50
Pentachlorophenol	ND	1450	1400	96		1300	90		17-109	7		50
Phenol	ND	1450	1200	83		1100	76		26-90	9		50
2-Methylphenol	ND	1450	1300	89		1200	83		30-130.	8		50
3-Methylphenol/4-Methylphenol	ND	1450	1400	96		1300	90		30-130	7		50
2,4,5-Trichlorophenol	ND	1450	1400	96		1300	90		30-130	7		50
Benzoic Acid	ND	1450	ND	**0**	Q	ND	**0**	Q	10-110	NC		50
Benzyl Alcohol	ND	1450	1300	89		1200	83		40-140	8		50
Carbazole	ND	1450	1300	89		1200	83		54-128	8		50

Matrix Spike Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354

Report Date: 02/26/21

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): 23-24,26-33 QC Batch ID: WG1465666-6 WG1465666-7 QC Sample: L2107354-32 Client ID: SB-13 (0-2)												
1,4-Dioxane	ND	1450	820	56		730	50		40-140	12		50

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	98		93		10-136
2-Fluorobiphenyl	78		74		30-120
2-Fluorophenol	80		74		25-120
4-Terphenyl-d14	78		76		18-120
Nitrobenzene-d5	94		86		23-120
Phenol-d6	80		75		10-120

Matrix Spike Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354

Report Date: 02/26/21

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): 20,24 QC Batch ID: WG1466766-3 QC Sample: L2107565-01 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	ND	5.97	6.23	104		-	-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	ND	5.97	6.21	104		-	-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	ND	5.3	5.38	102		-	-		72-128	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	5.58	6.48	116		-	-		62-145	-		30
Perfluorohexanoic Acid (PFHxA)	ND	5.97	6.14	103		-	-		70-132	-		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	5.61	6.34	113		-	-		73-123	-		30
Perfluoroheptanoic Acid (PFHpA)	ND	5.97	6.10	102		-	-		71-131	-		30
Perfluorohexanesulfonic Acid-Branched (br-PFHxS)	ND	1.03	1.05	102		-	-		67-130	-		30
Perfluorohexanesulfonic Acid-Linear (L-PFHxS)	ND	4.42	4.61	104		-	-		67-130	-		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	5.45	5.66	104		-	-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	ND	5.97	6.41	107		-	-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	5.68	6.82	120		-	-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	5.68	6.22	109		-	-		70-132	-		30
Perfluorononanoic Acid (PFNA)	ND	5.97	6.10	102		-	-		72-129	-		30
Perfluorooctanesulfonic Acid-Branched (br-PFOS)	ND	1.17	1.29	111		-	-		68-136	-		30
Perfluorooctanesulfonic Acid-Linear (L-PFOS)	0.114J	4.37	4.48	100		-	-		68-136	-		30
Perfluorooctanesulfonic Acid (PFOS)	ND	5.54	5.77	104		-	-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	ND	5.97	6.04	101		-	-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	5.73	5.72	100		-	-		65-137	-		30
Perfluorononanesulfonic Acid (PFNS)	ND	5.74	6.05	105		-	-		69-125	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	5.97	6.56	110		-	-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	ND	5.97	6.35	106		-	-		64-136	-		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354

Report Date: 02/26/21

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): 20,24 QC Batch ID: WG1466766-3 QC Sample: L2107565-01 Client ID: MS Sample												
Perfluorodecanesulfonic Acid (PFDS)	ND	5.75	5.85	102		-	-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	ND	5.97	6.15	103		-	-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	5.97	6.93	116		-	-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	ND	5.97	7.12	119		-	-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	ND	5.97	7.63	128		-	-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	ND	5.97	6.62	111		-	-		69-133	-		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	70				19-175
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	81				14-167
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	77				20-154
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	53				34-137
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	63				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	108				61-155
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	102				75-130
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	120				66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	112				71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	127				78-139
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	94				54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	98				24-159
Perfluoro[13C4]Butanoic Acid (MPFBA)	100				61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	105				58-150
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	103				10-117

Matrix Spike Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354

Report Date: 02/26/21

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): 20,24 QC Batch ID: WG1466766-3 QC Sample: L2107565-01 Client ID: MS Sample												

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	109				79-136
Perfluoro[13C8]Octanoic Acid (M8PFOA)	101				75-130
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	96				72-140
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**142**	Q			74-139

Lab Duplicate Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01,03-08,10-11,13-14,16-17,19 QC Batch ID: WG1465572-4 QC Sample: L2107506-02 Client ID: DUP Sample						
Perfluorobutanoic Acid (PFBA)	ND	ND	ng/g	NC		30
Perfluoropentanoic Acid (PFPeA)	ND	ND	ng/g	NC		30
Perfluorobutanesulfonic Acid (PFBS)	ND	ND	ng/g	NC		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	ND	ng/g	NC		30
Perfluorohexanoic Acid (PFHxA)	ND	ND	ng/g	NC		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	ND	ng/g	NC		30
Perfluoroheptanoic Acid (PFHpA)	ND	ND	ng/g	NC		30
Perfluorohexanesulfonic Acid-Branched (br-PFHxS)	ND	ND	ng/g	NC		30
Perfluorohexanesulfonic Acid-Linear (L-PFHxS)	ND	ND	ng/g	NC		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	ND	ng/g	NC		30
Perfluorooctanoic Acid-Branched (br-PFOA)	ND	ND	ng/g	NC		30
Perfluorooctanoic Acid-Linear (L-PFOA)	ND	ND	ng/g	NC		30
Perfluorooctanoic Acid (PFOA)	ND	ND	ng/g	NC		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	ND	ng/g	NC		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	ND	ng/g	NC		30
Perfluorononanoic Acid (PFNA)	ND	ND	ng/g	NC		30
Perfluorooctanesulfonic Acid-Branched (br-PFOS)	ND	ND	ng/g	NC		30
Perfluorooctanesulfonic Acid-Linear (L-PFOS)	ND	ND	ng/g	NC		30
Perfluorooctanesulfonic Acid (PFOS)	ND	ND	ng/g	NC		30
Perfluorodecanoic Acid (PFDA)	ND	ND	ng/g	NC		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01,03-08,10-11,13-14,16-17,19 QC Batch ID: WG1465572-4 QC Sample: L2107506-02 Client ID: DUP Sample						
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	ND	ng/g	NC		30
Perfluorononanesulfonic Acid (PFNS)	ND	ND	ng/g	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid-Branched (br-NMeFOSAA)	ND	ND	ng/g	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid-Linear (L-NMeFOSAA)	ND	ND	ng/g	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	ND	ng/g	NC		30
Perfluoroundecanoic Acid (PFUnA)	ND	ND	ng/g	NC		30
Perfluorodecanesulfonic Acid (PFDS)	ND	ND	ng/g	NC		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid-Branched (br-NEtFOSAA)	ND	ND	ng/g	NC		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid-Linear (L-NEtFOSAA)	ND	ND	ng/g	NC		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	ND	ng/g	NC		30
Perfluorododecanoic Acid (PFDoA)	ND	ND	ng/g	NC		30
Perfluorotridecanoic Acid (PFTrDA)	ND	ND	ng/g	NC		30
Perfluorotetradecanoic Acid (PFTA)	ND	ND	ng/g	NC		30
PFOA/PFOS, Total	ND	ND	ng/g	NC		30
PFAS, Total (5)	ND	ND	ng/g	NC		30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	75		87		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	83		98		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	95		107		74-139

Lab Duplicate Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01,03-08,10-11,13-14,16-17,19 QC Batch ID: WG1465572-4 QC Sample: L2107506-02 Client ID: DUP Sample						

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	52		63		14-167
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	83		96		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	79		92		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	91		103		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	78		90		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	41		46		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	81		98		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	79		88		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	77		85		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	43		50		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	40		32		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	66		79		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**29**	Q	44		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	57		67		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	36		42		24-159

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01,03-08,10-11,13-14,16-17,19 QC Batch ID: WG1465572-4 QC Sample: L2107506-02 Client ID: DUP Sample

Perfluorooctanesulfonamide (FOSA)	ND	ND	ng/g	NC	30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	68		77		10-117

Lab Duplicate Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 40,42 QC Batch ID: WG1465593-4 QC Sample: L2100462-14 Client ID: DUP Sample						
Perfluorobutanoic Acid (PFBA)	ND	ND	ng/l	NC		30
Perfluoropentanoic Acid (PFPeA)	ND	ND	ng/l	NC		30
Perfluorobutanesulfonic Acid (PFBS)	ND	ND	ng/l	NC		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	ND	ng/l	NC		30
Perfluorohexanoic Acid (PFHxA)	ND	ND	ng/l	NC		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	ND	ng/l	NC		30
Perfluoroheptanoic Acid (PFHpA)	ND	ND	ng/l	NC		30
Perfluorohexanesulfonic Acid-Branched (br-PFHxS)	ND	ND	ng/l	NC		30
Perfluorohexanesulfonic Acid-Linear (L-PFHxS)	ND	ND	ng/l	NC		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	ND	ng/l	NC		30
Perfluorooctanoic Acid-Branched (br-PFOA)	ND	ND	ng/l	NC		30
Perfluorooctanoic Acid-Linear (L-PFOA)	ND	ND	ng/l	NC		30
Perfluorooctanoic Acid (PFOA)	ND	ND	ng/l	NC		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	2.15	ND	ng/l	NC		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	ND	ng/l	NC		30
Perfluorononanoic Acid (PFNA)	ND	ND	ng/l	NC		30
Perfluorooctanesulfonic Acid-Branched (br-PFOS)	ND	ND	ng/l	NC		30
Perfluorooctanesulfonic Acid-Linear (L-PFOS)	ND	ND	ng/l	NC		30
Perfluorooctanesulfonic Acid (PFOS)	ND	ND	ng/l	NC		30
Perfluorodecanoic Acid (PFDA)	ND	ND	ng/l	NC		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 40,42 QC Batch ID: WG1465593-4 QC Sample: L2100462-14 Client ID: DUP Sample						
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	ND	ng/l	NC		30
Perfluorononanesulfonic Acid (PFNS)	ND	ND	ng/l	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid-Branched (br-NMeFOSAA)	ND	ND	ng/l	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid-Linear (L-NMeFOSAA)	ND	ND	ng/l	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	ND	ng/l	NC		30
Perfluoroundecanoic Acid (PFUnA)	ND	ND	ng/l	NC		30
Perfluorodecanesulfonic Acid (PFDS)	ND	ND	ng/l	NC		30
Perfluorooctanesulfonamide (FOSA)	ND	ND	ng/l	NC		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid-Branched (br-NEtFOSAA)	ND	ND	ng/l	NC		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid-Linear (L-NEtFOSAA)	ND	ND	ng/l	NC		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	ND	ng/l	NC		30
Perfluorododecanoic Acid (PFDoA)	ND	ND	ng/l	NC		30
Perfluorotridecanoic Acid (PFTrDA)	ND	ND	ng/l	NC		30
Perfluorotetradecanoic Acid (PFTA)	ND	ND	ng/l	NC		30
PFOA/PFOS, Total	ND	ND	ng/l	NC		30
PFAS, Total (5)	ND	ND	ng/l	NC		30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	75		74		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	105		104		62-163

Lab Duplicate Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 40,42 QC Batch ID: WG1465593-4 QC Sample: L2100462-14 Client ID: DUP Sample

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**132**	Q	**138**	Q	70-131
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	110		121		12-142
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	87		87		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	91		91		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	111		113		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	88		90		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	82		96		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	97		99		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	97		106		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	89		90		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	79		95		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	60		70		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	90		90		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	28		29		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	66		61		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	78		76		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	73		80		22-136

Lab Duplicate Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 20,24 QC Batch ID: WG1466766-4 QC Sample: L2107794-01 Client ID: DUP Sample						
Perfluorobutanoic Acid (PFBA)	ND	ND	ng/g	NC		30
Perfluoropentanoic Acid (PFPeA)	ND	ND	ng/g	NC		30
Perfluorobutanesulfonic Acid (PFBS)	ND	ND	ng/g	NC		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	ND	ng/g	NC		30
Perfluorohexanoic Acid (PFHxA)	ND	ND	ng/g	NC		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	ND	ng/g	NC		30
Perfluoroheptanoic Acid (PFHpA)	ND	ND	ng/g	NC		30
Perfluorohexanesulfonic Acid-Branched (br-PFHxS)	ND	ND	ng/g	NC		30
Perfluorohexanesulfonic Acid-Linear (L-PFHxS)	ND	ND	ng/g	NC		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	ND	ng/g	NC		30
Perfluorooctanoic Acid-Branched (br-PFOA)	ND	ND	ng/g	NC		30
Perfluorooctanoic Acid-Linear (L-PFOA)	ND	ND	ng/g	NC		30
Perfluorooctanoic Acid (PFOA)	ND	0.044J	ng/g	NC		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	ND	ng/g	NC		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	ND	ng/g	NC		30
Perfluorononanoic Acid (PFNA)	ND	ND	ng/g	NC		30
Perfluorooctanesulfonic Acid-Branched (br-PFOS)	ND	ND	ng/g	NC		30
Perfluorooctanesulfonic Acid-Linear (L-PFOS)	ND	ND	ng/g	NC		30
Perfluorooctanesulfonic Acid (PFOS)	ND	ND	ng/g	NC		30
Perfluorodecanoic Acid (PFDA)	ND	ND	ng/g	NC		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 20,24 QC Batch ID: WG1466766-4 QC Sample: L2107794-01 Client ID: DUP Sample						
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	ND	ng/g	NC		30
Perfluorononanesulfonic Acid (PFNS)	ND	ND	ng/g	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid-Branched (br-NMeFOSAA)	ND	ND	ng/g	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid-Linear (L-NMeFOSAA)	ND	ND	ng/g	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	ND	ng/g	NC		30
Perfluoroundecanoic Acid (PFUnA)	ND	ND	ng/g	NC		30
Perfluorodecanesulfonic Acid (PFDS)	ND	ND	ng/g	NC		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid-Branched (br-NEtFOSAA)	ND	ND	ng/g	NC		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid-Linear (L-NEtFOSAA)	ND	ND	ng/g	NC		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	ND	ng/g	NC		30
Perfluorododecanoic Acid (PFDoA)	ND	ND	ng/g	NC		30
Perfluorotridecanoic Acid (PFTrDA)	ND	ND	ng/g	NC		30
Perfluorotetradecanoic Acid (PFTA)	ND	ND	ng/g	NC		30
PFOA/PFOS, Total	ND	0.044J	ng/g	NC		30
PFAS, Total (5)	ND	0.044J	ng/g	NC		30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	103		102		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	107		105		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**140**	Q	**140**	Q	74-139

Lab Duplicate Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 20,24 QC Batch ID: WG1466766-4 QC Sample: L2107794-01 Client ID: DUP Sample						

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	102		108		14-167
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	119		120		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	112		112		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	118		121		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	105		103		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	104		95		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	102		98		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	111		111		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	105		101		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	106		87		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	66		64		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	116		112		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	75		75		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	92		91		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	97		94		24-159

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 20,24 QC Batch ID: WG1466766-4 QC Sample: L2107794-01 Client ID: DUP Sample						
Perfluorooctanesulfonamide (FOSA)	ND	ND	ng/g	NC		30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	72		72		10-117

PCBS

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-01
Client ID: SB-1 (0-1)
Sample Location: BRONX, NY

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 02/18/21 08:17
Analyst: CW
Percent Solids: 77%

Date Collected: 02/15/21 14:15
Date Received: 02/16/21
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/17/21 16:40
Cleanup Method: EPA 3665A
Cleanup Date: 02/18/21
Cleanup Method: EPA 3660B
Cleanup Date: 02/18/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	43.0	3.82	1	A
Aroclor 1221	ND		ug/kg	43.0	4.31	1	A
Aroclor 1232	ND		ug/kg	43.0	9.12	1	A
Aroclor 1242	ND		ug/kg	43.0	5.80	1	A
Aroclor 1248	ND		ug/kg	43.0	6.45	1	A
Aroclor 1254	ND		ug/kg	43.0	4.71	1	A
Aroclor 1260	ND		ug/kg	43.0	7.95	1	A
Aroclor 1262	ND		ug/kg	43.0	5.46	1	A
Aroclor 1268	ND		ug/kg	43.0	4.46	1	A
PCBs, Total	ND		ug/kg	43.0	3.82	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		30-150	A
Decachlorobiphenyl	53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	62		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-03
Client ID: SB-1 (2-3)
Sample Location: BRONX, NY

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 02/18/21 08:24
Analyst: CW
Percent Solids: 93%

Date Collected: 02/15/21 14:25
Date Received: 02/16/21
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/17/21 16:40
Cleanup Method: EPA 3665A
Cleanup Date: 02/18/21
Cleanup Method: EPA 3660B
Cleanup Date: 02/18/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	33.9	3.01	1	A
Aroclor 1221	ND		ug/kg	33.9	3.39	1	A
Aroclor 1232	ND		ug/kg	33.9	7.18	1	A
Aroclor 1242	ND		ug/kg	33.9	4.56	1	A
Aroclor 1248	ND		ug/kg	33.9	5.08	1	A
Aroclor 1254	ND		ug/kg	33.9	3.70	1	A
Aroclor 1260	ND		ug/kg	33.9	6.26	1	A
Aroclor 1262	ND		ug/kg	33.9	4.30	1	A
Aroclor 1268	ND		ug/kg	33.9	3.51	1	A
PCBs, Total	ND		ug/kg	33.9	3.01	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-04
Client ID: SB-2 (0-2)
Sample Location: BRONX, NY

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 02/18/21 08:31
Analyst: CW
Percent Solids: 86%

Date Collected: 02/15/21 10:05
Date Received: 02/16/21
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/17/21 16:40
Cleanup Method: EPA 3665A
Cleanup Date: 02/18/21
Cleanup Method: EPA 3660B
Cleanup Date: 02/18/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.2	3.31	1	A
Aroclor 1221	ND		ug/kg	37.2	3.73	1	A
Aroclor 1232	ND		ug/kg	37.2	7.89	1	A
Aroclor 1242	ND		ug/kg	37.2	5.02	1	A
Aroclor 1248	ND		ug/kg	37.2	5.58	1	A
Aroclor 1254	ND		ug/kg	37.2	4.07	1	A
Aroclor 1260	ND		ug/kg	37.2	6.88	1	A
Aroclor 1262	ND		ug/kg	37.2	4.73	1	A
Aroclor 1268	ND		ug/kg	37.2	3.86	1	A
PCBs, Total	ND		ug/kg	37.2	3.31	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		30-150	A
Decachlorobiphenyl	51		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	59		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-05
Client ID: SB-2 (2-3)
Sample Location: BRONX, NY

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 02/18/21 08:38
Analyst: CW
Percent Solids: 91%

Date Collected: 02/15/21 10:10
Date Received: 02/16/21
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/17/21 16:40
Cleanup Method: EPA 3665A
Cleanup Date: 02/18/21
Cleanup Method: EPA 3660B
Cleanup Date: 02/18/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.6	3.25	1	A
Aroclor 1221	ND		ug/kg	36.6	3.67	1	A
Aroclor 1232	ND		ug/kg	36.6	7.76	1	A
Aroclor 1242	ND		ug/kg	36.6	4.93	1	A
Aroclor 1248	ND		ug/kg	36.6	5.49	1	A
Aroclor 1254	ND		ug/kg	36.6	4.00	1	A
Aroclor 1260	ND		ug/kg	36.6	6.76	1	A
Aroclor 1262	ND		ug/kg	36.6	4.65	1	A
Aroclor 1268	ND		ug/kg	36.6	3.79	1	A
PCBs, Total	ND		ug/kg	36.6	3.25	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		30-150	A
Decachlorobiphenyl	53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	59		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-06
Client ID: SB-3 (0-2)
Sample Location: BRONX, NY

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 02/18/21 08:45
Analyst: CW
Percent Solids: 83%

Date Collected: 02/15/21 11:30
Date Received: 02/16/21
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/17/21 16:40
Cleanup Method: EPA 3665A
Cleanup Date: 02/18/21
Cleanup Method: EPA 3660B
Cleanup Date: 02/18/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.6	3.43	1	A
Aroclor 1221	ND		ug/kg	38.6	3.87	1	A
Aroclor 1232	ND		ug/kg	38.6	8.18	1	A
Aroclor 1242	ND		ug/kg	38.6	5.20	1	A
Aroclor 1248	ND		ug/kg	38.6	5.79	1	A
Aroclor 1254	ND		ug/kg	38.6	4.22	1	A
Aroclor 1260	ND		ug/kg	38.6	7.13	1	A
Aroclor 1262	ND		ug/kg	38.6	4.90	1	A
Aroclor 1268	ND		ug/kg	38.6	4.00	1	A
PCBs, Total	ND		ug/kg	38.6	3.43	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	49		30-150	A
Decachlorobiphenyl	44		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	50		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-07
Client ID: SB-3 (0-2)_DUP
Sample Location: BRONX, NY

Date Collected: 02/15/21 11:40
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 02/18/21 08:52
Analyst: CW
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 02/17/21 16:40
Cleanup Method: EPA 3665A
Cleanup Date: 02/18/21
Cleanup Method: EPA 3660B
Cleanup Date: 02/18/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.8	3.27	1	A
Aroclor 1221	ND		ug/kg	36.8	3.69	1	A
Aroclor 1232	ND		ug/kg	36.8	7.80	1	A
Aroclor 1242	ND		ug/kg	36.8	4.96	1	A
Aroclor 1248	ND		ug/kg	36.8	5.52	1	A
Aroclor 1254	ND		ug/kg	36.8	4.02	1	A
Aroclor 1260	ND		ug/kg	36.8	6.80	1	A
Aroclor 1262	ND		ug/kg	36.8	4.67	1	A
Aroclor 1268	ND		ug/kg	36.8	3.81	1	A
PCBs, Total	ND		ug/kg	36.8	3.27	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	59		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-08
Client ID: SB-3 (2-3)
Sample Location: BRONX, NY

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 02/18/21 08:59
Analyst: CW
Percent Solids: 88%

Date Collected: 02/15/21 11:35
Date Received: 02/16/21
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/17/21 16:40
Cleanup Method: EPA 3665A
Cleanup Date: 02/18/21
Cleanup Method: EPA 3660B
Cleanup Date: 02/18/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.8	3.27	1	A
Aroclor 1221	ND		ug/kg	36.8	3.69	1	A
Aroclor 1232	ND		ug/kg	36.8	7.81	1	A
Aroclor 1242	ND		ug/kg	36.8	4.96	1	A
Aroclor 1248	ND		ug/kg	36.8	5.52	1	A
Aroclor 1254	ND		ug/kg	36.8	4.03	1	A
Aroclor 1260	ND		ug/kg	36.8	6.81	1	A
Aroclor 1262	ND		ug/kg	36.8	4.68	1	A
Aroclor 1268	ND		ug/kg	36.8	3.82	1	A
PCBs, Total	ND		ug/kg	36.8	3.27	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	63		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-10
Client ID: SB-4 (1-2)
Sample Location: BRONX, NY

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 02/18/21 09:06
Analyst: CW
Percent Solids: 78%

Date Collected: 02/15/21 13:50
Date Received: 02/16/21
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/17/21 16:40
Cleanup Method: EPA 3665A
Cleanup Date: 02/18/21
Cleanup Method: EPA 3660B
Cleanup Date: 02/18/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	41.0	3.64	1	A
Aroclor 1221	ND		ug/kg	41.0	4.11	1	A
Aroclor 1232	ND		ug/kg	41.0	8.70	1	A
Aroclor 1242	ND		ug/kg	41.0	5.53	1	A
Aroclor 1248	ND		ug/kg	41.0	6.16	1	A
Aroclor 1254	ND		ug/kg	41.0	4.49	1	A
Aroclor 1260	ND		ug/kg	41.0	7.58	1	A
Aroclor 1262	ND		ug/kg	41.0	5.21	1	A
Aroclor 1268	ND		ug/kg	41.0	4.25	1	A
PCBs, Total	ND		ug/kg	41.0	3.64	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	47		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	54		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-11
Client ID: SB-4 (2-3)
Sample Location: BRONX, NY

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 02/18/21 09:13
Analyst: CW
Percent Solids: 77%

Date Collected: 02/15/21 13:55
Date Received: 02/16/21
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/17/21 16:40
Cleanup Method: EPA 3665A
Cleanup Date: 02/18/21
Cleanup Method: EPA 3660B
Cleanup Date: 02/18/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	43.0	3.82	1	A
Aroclor 1221	ND		ug/kg	43.0	4.31	1	A
Aroclor 1232	ND		ug/kg	43.0	9.13	1	A
Aroclor 1242	ND		ug/kg	43.0	5.80	1	A
Aroclor 1248	ND		ug/kg	43.0	6.46	1	A
Aroclor 1254	ND		ug/kg	43.0	4.71	1	A
Aroclor 1260	ND		ug/kg	43.0	7.96	1	A
Aroclor 1262	ND		ug/kg	43.0	5.47	1	A
Aroclor 1268	ND		ug/kg	43.0	4.46	1	A
PCBs, Total	ND		ug/kg	43.0	3.82	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	61		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-13
Client ID: SB-5 (1-2)
Sample Location: BRONX, NY

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 02/18/21 09:20
Analyst: CW
Percent Solids: 82%

Date Collected: 02/15/21 14:50
Date Received: 02/16/21
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/17/21 16:40
Cleanup Method: EPA 3665A
Cleanup Date: 02/18/21
Cleanup Method: EPA 3660B
Cleanup Date: 02/18/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.8	3.53	1	A
Aroclor 1221	ND		ug/kg	39.8	3.99	1	A
Aroclor 1232	ND		ug/kg	39.8	8.44	1	A
Aroclor 1242	ND		ug/kg	39.8	5.36	1	A
Aroclor 1248	ND		ug/kg	39.8	5.97	1	A
Aroclor 1254	ND		ug/kg	39.8	4.35	1	A
Aroclor 1260	ND		ug/kg	39.8	7.35	1	A
Aroclor 1262	ND		ug/kg	39.8	5.05	1	A
Aroclor 1268	ND		ug/kg	39.8	4.12	1	A
PCBs, Total	ND		ug/kg	39.8	3.53	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-14
Client ID: SB-5 (2-3)
Sample Location: BRONX, NY

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 02/18/21 09:27
Analyst: CW
Percent Solids: 81%

Date Collected: 02/15/21 14:55
Date Received: 02/16/21
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/17/21 16:40
Cleanup Method: EPA 3665A
Cleanup Date: 02/18/21
Cleanup Method: EPA 3660B
Cleanup Date: 02/18/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.6	3.52	1	A
Aroclor 1221	ND		ug/kg	39.6	3.97	1	A
Aroclor 1232	ND		ug/kg	39.6	8.40	1	A
Aroclor 1242	ND		ug/kg	39.6	5.34	1	A
Aroclor 1248	ND		ug/kg	39.6	5.95	1	A
Aroclor 1254	ND		ug/kg	39.6	4.34	1	A
Aroclor 1260	ND		ug/kg	39.6	7.33	1	A
Aroclor 1262	ND		ug/kg	39.6	5.04	1	A
Aroclor 1268	ND		ug/kg	39.6	4.11	1	A
PCBs, Total	ND		ug/kg	39.6	3.52	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	63		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-16
Client ID: SB-6 (1-2)
Sample Location: BRONX, NY

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 02/18/21 09:34
Analyst: CW
Percent Solids: 76%

Date Collected: 02/15/21 15:05
Date Received: 02/16/21
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/17/21 16:40
Cleanup Method: EPA 3665A
Cleanup Date: 02/18/21
Cleanup Method: EPA 3660B
Cleanup Date: 02/18/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	43.5	3.87	1	A
Aroclor 1221	ND		ug/kg	43.5	4.36	1	A
Aroclor 1232	ND		ug/kg	43.5	9.23	1	A
Aroclor 1242	ND		ug/kg	43.5	5.87	1	A
Aroclor 1248	ND		ug/kg	43.5	6.53	1	A
Aroclor 1254	ND		ug/kg	43.5	4.76	1	A
Aroclor 1260	ND		ug/kg	43.5	8.05	1	A
Aroclor 1262	ND		ug/kg	43.5	5.53	1	A
Aroclor 1268	ND		ug/kg	43.5	4.51	1	A
PCBs, Total	ND		ug/kg	43.5	3.87	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-17
Client ID: SB-6 (2-3)
Sample Location: BRONX, NY

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 02/18/21 09:40
Analyst: CW
Percent Solids: 92%

Date Collected: 02/15/21 15:10
Date Received: 02/16/21
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/17/21 16:40
Cleanup Method: EPA 3665A
Cleanup Date: 02/18/21
Cleanup Method: EPA 3660B
Cleanup Date: 02/18/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.5	3.15	1	A
Aroclor 1221	ND		ug/kg	35.5	3.56	1	A
Aroclor 1232	ND		ug/kg	35.5	7.53	1	A
Aroclor 1242	ND		ug/kg	35.5	4.79	1	A
Aroclor 1248	ND		ug/kg	35.5	5.33	1	A
Aroclor 1254	ND		ug/kg	35.5	3.88	1	A
Aroclor 1260	ND		ug/kg	35.5	6.56	1	A
Aroclor 1262	ND		ug/kg	35.5	4.51	1	A
Aroclor 1268	ND		ug/kg	35.5	3.68	1	A
PCBs, Total	ND		ug/kg	35.5	3.15	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	64		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-19
Client ID: SB-7 (1-2)
Sample Location: BRONX, NY

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 02/18/21 09:47
Analyst: CW
Percent Solids: 81%

Date Collected: 02/15/21 14:05
Date Received: 02/16/21
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/17/21 16:40
Cleanup Method: EPA 3665A
Cleanup Date: 02/18/21
Cleanup Method: EPA 3660B
Cleanup Date: 02/18/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.2	3.48	1	A
Aroclor 1221	ND		ug/kg	39.2	3.93	1	A
Aroclor 1232	ND		ug/kg	39.2	8.32	1	A
Aroclor 1242	ND		ug/kg	39.2	5.29	1	A
Aroclor 1248	ND		ug/kg	39.2	5.88	1	A
Aroclor 1254	ND		ug/kg	39.2	4.29	1	A
Aroclor 1260	ND		ug/kg	39.2	7.25	1	A
Aroclor 1262	ND		ug/kg	39.2	4.98	1	A
Aroclor 1268	ND		ug/kg	39.2	4.06	1	A
PCBs, Total	ND		ug/kg	39.2	3.48	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-20
Client ID: SB-7 (2-3)
Sample Location: BRONX, NY

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 02/18/21 09:54
Analyst: CW
Percent Solids: 90%

Date Collected: 02/15/21 14:10
Date Received: 02/16/21
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/17/21 16:40
Cleanup Method: EPA 3665A
Cleanup Date: 02/18/21
Cleanup Method: EPA 3660B
Cleanup Date: 02/18/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.7	3.26	1	A
Aroclor 1221	ND		ug/kg	36.7	3.68	1	A
Aroclor 1232	ND		ug/kg	36.7	7.78	1	A
Aroclor 1242	ND		ug/kg	36.7	4.95	1	A
Aroclor 1248	ND		ug/kg	36.7	5.51	1	A
Aroclor 1254	ND		ug/kg	36.7	4.02	1	A
Aroclor 1260	ND		ug/kg	36.7	6.79	1	A
Aroclor 1262	ND		ug/kg	36.7	4.66	1	A
Aroclor 1268	ND		ug/kg	36.7	3.80	1	A
PCBs, Total	ND		ug/kg	36.7	3.26	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-22
Client ID: SB-8 (1-2)
Sample Location: BRONX, NY

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 02/18/21 10:01
Analyst: CW
Percent Solids: 92%

Date Collected: 02/15/21 13:25
Date Received: 02/16/21
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/17/21 16:40
Cleanup Method: EPA 3665A
Cleanup Date: 02/18/21
Cleanup Method: EPA 3660B
Cleanup Date: 02/18/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.0	3.11	1	A
Aroclor 1221	ND		ug/kg	35.0	3.51	1	A
Aroclor 1232	ND		ug/kg	35.0	7.42	1	A
Aroclor 1242	ND		ug/kg	35.0	4.72	1	A
Aroclor 1248	ND		ug/kg	35.0	5.25	1	A
Aroclor 1254	ND		ug/kg	35.0	3.83	1	A
Aroclor 1260	ND		ug/kg	35.0	6.47	1	A
Aroclor 1262	ND		ug/kg	35.0	4.44	1	A
Aroclor 1268	ND		ug/kg	35.0	3.62	1	A
PCBs, Total	ND		ug/kg	35.0	3.11	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	64		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-23
Client ID: SB-8 (2-3)
Sample Location: BRONX, NY

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 02/17/21 23:24
Analyst: JM
Percent Solids: 87%

Date Collected: 02/15/21 13:30
Date Received: 02/16/21
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/17/21 13:20
Cleanup Method: EPA 3665A
Cleanup Date: 02/17/21
Cleanup Method: EPA 3660B
Cleanup Date: 02/17/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.5	3.24	1	A
Aroclor 1221	ND		ug/kg	36.5	3.65	1	A
Aroclor 1232	ND		ug/kg	36.5	7.73	1	A
Aroclor 1242	ND		ug/kg	36.5	4.92	1	A
Aroclor 1248	ND		ug/kg	36.5	5.47	1	A
Aroclor 1254	ND		ug/kg	36.5	3.99	1	A
Aroclor 1260	ND		ug/kg	36.5	6.74	1	A
Aroclor 1262	ND		ug/kg	36.5	4.63	1	A
Aroclor 1268	ND		ug/kg	36.5	3.78	1	A
PCBs, Total	ND		ug/kg	36.5	3.24	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-24
Client ID: SB-9 (0-1)
Sample Location: BRONX, NY

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 02/17/21 23:31
Analyst: JM
Percent Solids: 79%

Date Collected: 02/15/21 15:30
Date Received: 02/16/21
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/17/21 13:20
Cleanup Method: EPA 3665A
Cleanup Date: 02/17/21
Cleanup Method: EPA 3660B
Cleanup Date: 02/17/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	40.6	3.60	1	A
Aroclor 1221	ND		ug/kg	40.6	4.06	1	A
Aroclor 1232	ND		ug/kg	40.6	8.60	1	A
Aroclor 1242	ND		ug/kg	40.6	5.47	1	A
Aroclor 1248	ND		ug/kg	40.6	6.08	1	A
Aroclor 1254	ND		ug/kg	40.6	4.44	1	A
Aroclor 1260	ND		ug/kg	40.6	7.50	1	A
Aroclor 1262	ND		ug/kg	40.6	5.15	1	A
Aroclor 1268	ND		ug/kg	40.6	4.20	1	A
PCBs, Total	ND		ug/kg	40.6	3.60	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	60		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-26
Client ID: SB-9 (2-3)
Sample Location: BRONX, NY

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 02/17/21 23:38
Analyst: JM
Percent Solids: 84%

Date Collected: 02/15/21 15:40
Date Received: 02/16/21
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/17/21 13:20
Cleanup Method: EPA 3665A
Cleanup Date: 02/17/21
Cleanup Method: EPA 3660B
Cleanup Date: 02/17/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.0	3.38	1	A
Aroclor 1221	ND		ug/kg	38.0	3.81	1	A
Aroclor 1232	ND		ug/kg	38.0	8.06	1	A
Aroclor 1242	ND		ug/kg	38.0	5.12	1	A
Aroclor 1248	ND		ug/kg	38.0	5.70	1	A
Aroclor 1254	ND		ug/kg	38.0	4.16	1	A
Aroclor 1260	ND		ug/kg	38.0	7.02	1	A
Aroclor 1262	ND		ug/kg	38.0	4.83	1	A
Aroclor 1268	ND		ug/kg	38.0	3.94	1	A
PCBs, Total	ND		ug/kg	38.0	3.38	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-27
Client ID: SB-11 (0-2)
Sample Location: BRONX, NY

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 02/17/21 22:41
Analyst: JM
Percent Solids: 86%

Date Collected: 02/15/21 11:55
Date Received: 02/16/21
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/17/21 13:20
Cleanup Method: EPA 3665A
Cleanup Date: 02/17/21
Cleanup Method: EPA 3660B
Cleanup Date: 02/17/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.5	3.33	1	A
Aroclor 1221	ND		ug/kg	37.5	3.76	1	A
Aroclor 1232	ND		ug/kg	37.5	7.94	1	A
Aroclor 1242	ND		ug/kg	37.5	5.05	1	A
Aroclor 1248	ND		ug/kg	37.5	5.62	1	A
Aroclor 1254	ND		ug/kg	37.5	4.10	1	A
Aroclor 1260	ND		ug/kg	37.5	6.92	1	A
Aroclor 1262	ND		ug/kg	37.5	4.76	1	A
Aroclor 1268	ND		ug/kg	37.5	3.88	1	A
PCBs, Total	ND		ug/kg	37.5	3.33	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	62		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-28
Client ID: SB-11 (2-3)
Sample Location: BRONX, NY

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 02/17/21 23:45
Analyst: JM
Percent Solids: 77%

Date Collected: 02/15/21 12:00
Date Received: 02/16/21
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/17/21 13:20
Cleanup Method: EPA 3665A
Cleanup Date: 02/17/21
Cleanup Method: EPA 3660B
Cleanup Date: 02/17/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	40.9	3.63	1	A
Aroclor 1221	ND		ug/kg	40.9	4.10	1	A
Aroclor 1232	ND		ug/kg	40.9	8.66	1	A
Aroclor 1242	ND		ug/kg	40.9	5.51	1	A
Aroclor 1248	ND		ug/kg	40.9	6.13	1	A
Aroclor 1254	13.6	J	ug/kg	40.9	4.47	1	A
Aroclor 1260	ND		ug/kg	40.9	7.55	1	A
Aroclor 1262	ND		ug/kg	40.9	5.19	1	A
Aroclor 1268	ND		ug/kg	40.9	4.23	1	A
PCBs, Total	13.6	J	ug/kg	40.9	3.63	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-29
Client ID: SB-12 (0-2)
Sample Location: BRONX, NY

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 02/17/21 23:52
Analyst: JM
Percent Solids: 88%

Date Collected: 02/15/21 11:10
Date Received: 02/16/21
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/17/21 13:20
Cleanup Method: EPA 3665A
Cleanup Date: 02/17/21
Cleanup Method: EPA 3660B
Cleanup Date: 02/17/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.7	3.26	1	A
Aroclor 1221	ND		ug/kg	36.7	3.68	1	A
Aroclor 1232	ND		ug/kg	36.7	7.78	1	A
Aroclor 1242	ND		ug/kg	36.7	4.95	1	A
Aroclor 1248	ND		ug/kg	36.7	5.50	1	A
Aroclor 1254	ND		ug/kg	36.7	4.02	1	A
Aroclor 1260	ND		ug/kg	36.7	6.78	1	A
Aroclor 1262	ND		ug/kg	36.7	4.66	1	A
Aroclor 1268	ND		ug/kg	36.7	3.80	1	A
PCBs, Total	ND		ug/kg	36.7	3.26	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-30
Client ID: SB-12 (0-2)_DUP
Sample Location: BRONX, NY

Date Collected: 02/15/21 11:20
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 02/17/21 23:59
Analyst: JM
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 02/17/21 13:20
Cleanup Method: EPA 3665A
Cleanup Date: 02/17/21
Cleanup Method: EPA 3660B
Cleanup Date: 02/17/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.2	3.48	1	A
Aroclor 1221	ND		ug/kg	39.2	3.93	1	A
Aroclor 1232	ND		ug/kg	39.2	8.32	1	A
Aroclor 1242	ND		ug/kg	39.2	5.29	1	A
Aroclor 1248	ND		ug/kg	39.2	5.88	1	A
Aroclor 1254	ND		ug/kg	39.2	4.29	1	A
Aroclor 1260	ND		ug/kg	39.2	7.25	1	A
Aroclor 1262	ND		ug/kg	39.2	4.98	1	A
Aroclor 1268	ND		ug/kg	39.2	4.06	1	A
PCBs, Total	ND		ug/kg	39.2	3.48	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	61		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-31
Client ID: SB-12 (2-3)
Sample Location: BRONX, NY

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 02/18/21 00:07
Analyst: JM
Percent Solids: 89%

Date Collected: 02/15/21 11:15
Date Received: 02/16/21
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/17/21 13:20
Cleanup Method: EPA 3665A
Cleanup Date: 02/17/21
Cleanup Method: EPA 3660B
Cleanup Date: 02/17/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.2	3.21	1	A
Aroclor 1221	ND		ug/kg	36.2	3.62	1	A
Aroclor 1232	ND		ug/kg	36.2	7.67	1	A
Aroclor 1242	ND		ug/kg	36.2	4.87	1	A
Aroclor 1248	ND		ug/kg	36.2	5.42	1	A
Aroclor 1254	ND		ug/kg	36.2	3.96	1	A
Aroclor 1260	ND		ug/kg	36.2	6.68	1	A
Aroclor 1262	ND		ug/kg	36.2	4.59	1	A
Aroclor 1268	ND		ug/kg	36.2	3.75	1	A
PCBs, Total	ND		ug/kg	36.2	3.21	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-32
Client ID: SB-13 (0-2)
Sample Location: BRONX, NY

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 02/17/21 23:03
Analyst: JM
Percent Solids: 90%

Date Collected: 02/15/21 10:20
Date Received: 02/16/21
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/17/21 13:20
Cleanup Method: EPA 3665A
Cleanup Date: 02/17/21
Cleanup Method: EPA 3660B
Cleanup Date: 02/17/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.1	3.21	1	A
Aroclor 1221	ND		ug/kg	36.1	3.62	1	A
Aroclor 1232	ND		ug/kg	36.1	7.66	1	A
Aroclor 1242	ND		ug/kg	36.1	4.87	1	A
Aroclor 1248	ND		ug/kg	36.1	5.42	1	A
Aroclor 1254	ND		ug/kg	36.1	3.95	1	A
Aroclor 1260	ND		ug/kg	36.1	6.68	1	A
Aroclor 1262	ND		ug/kg	36.1	4.59	1	A
Aroclor 1268	ND		ug/kg	36.1	3.74	1	A
PCBs, Total	ND		ug/kg	36.1	3.21	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-33
Client ID: SB-13 (2-3)
Sample Location: BRONX, NY

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 02/18/21 00:14
Analyst: JM
Percent Solids: 92%

Date Collected: 02/15/21 10:25
Date Received: 02/16/21
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/17/21 13:20
Cleanup Method: EPA 3665A
Cleanup Date: 02/17/21
Cleanup Method: EPA 3660B
Cleanup Date: 02/17/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.2	3.04	1	A
Aroclor 1221	ND		ug/kg	34.2	3.43	1	A
Aroclor 1232	ND		ug/kg	34.2	7.25	1	A
Aroclor 1242	ND		ug/kg	34.2	4.61	1	A
Aroclor 1248	ND		ug/kg	34.2	5.13	1	A
Aroclor 1254	ND		ug/kg	34.2	3.74	1	A
Aroclor 1260	ND		ug/kg	34.2	6.32	1	A
Aroclor 1262	ND		ug/kg	34.2	4.34	1	A
Aroclor 1268	ND		ug/kg	34.2	3.54	1	A
PCBs, Total	ND		ug/kg	34.2	3.04	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-40
Client ID: FIELD BLANK 1
Sample Location: BRONX, NY

Date Collected: 02/15/21 16:30
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 02/17/21 21:50
Analyst: AD

Extraction Method: EPA 3510C
Extraction Date: 02/17/21 08:05
Cleanup Method: EPA 3665A
Cleanup Date: 02/17/21
Cleanup Method: EPA 3660B
Cleanup Date: 02/17/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	0.100		ug/l	0.071	0.061	1	B
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	0.100		ug/l	0.071	0.061	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	90		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	79		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-42
Client ID: FIELD BLANK 2
Sample Location: BRONX, NY

Date Collected: 02/16/21 09:20
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 02/17/21 21:59
Analyst: AD

Extraction Method: EPA 3510C
Extraction Date: 02/17/21 08:05
Cleanup Method: EPA 3665A
Cleanup Date: 02/17/21
Cleanup Method: EPA 3660B
Cleanup Date: 02/17/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	94		30-150	B
Decachlorobiphenyl	78		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 02/17/21 12:10
Analyst: AD

Extraction Method: EPA 3510C
Extraction Date: 02/17/21 00:48
Cleanup Method: EPA 3665A
Cleanup Date: 02/17/21
Cleanup Method: EPA 3660B
Cleanup Date: 02/17/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 40,42 Batch: WG1465457-1						
Aroclor 1016	ND		ug/l	0.071	0.061	A
Aroclor 1221	ND		ug/l	0.071	0.061	A
Aroclor 1232	ND		ug/l	0.071	0.061	A
Aroclor 1242	ND		ug/l	0.071	0.061	A
Aroclor 1248	ND		ug/l	0.071	0.061	A
Aroclor 1254	ND		ug/l	0.071	0.061	A
Aroclor 1260	ND		ug/l	0.071	0.061	A
Aroclor 1262	ND		ug/l	0.071	0.061	A
Aroclor 1268	ND		ug/l	0.071	0.061	A
PCBs, Total	ND		ug/l	0.071	0.061	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	84		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 02/17/21 22:20
Analyst: CW

Extraction Method: EPA 3546
Extraction Date: 02/17/21 13:20
Cleanup Method: EPA 3665A
Cleanup Date: 02/17/21
Cleanup Method: EPA 3660B
Cleanup Date: 02/17/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 23-24,26-33 Batch: WG1465707-1						
Aroclor 1016	ND		ug/kg	32.7	2.90	A
Aroclor 1221	ND		ug/kg	32.7	3.28	A
Aroclor 1232	ND		ug/kg	32.7	6.93	A
Aroclor 1242	ND		ug/kg	32.7	4.41	A
Aroclor 1248	ND		ug/kg	32.7	4.90	A
Aroclor 1254	ND		ug/kg	32.7	3.58	A
Aroclor 1260	ND		ug/kg	32.7	6.04	A
Aroclor 1262	ND		ug/kg	32.7	4.15	A
Aroclor 1268	ND		ug/kg	32.7	3.39	A
PCBs, Total	ND		ug/kg	32.7	2.90	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 02/18/21 07:56
Analyst: CW

Extraction Method: EPA 3546
Extraction Date: 02/17/21 16:40
Cleanup Method: EPA 3665A
Cleanup Date: 02/18/21
Cleanup Method: EPA 3660B
Cleanup Date: 02/18/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01,03-08,10-11,13-14,16-17,19-20,22 Batch: WG1465767-1						
Aroclor 1016	ND		ug/kg	32.1	2.85	A
Aroclor 1221	ND		ug/kg	32.1	3.22	A
Aroclor 1232	ND		ug/kg	32.1	6.81	A
Aroclor 1242	ND		ug/kg	32.1	4.33	A
Aroclor 1248	ND		ug/kg	32.1	4.82	A
Aroclor 1254	ND		ug/kg	32.1	3.52	A
Aroclor 1260	ND		ug/kg	32.1	5.94	A
Aroclor 1262	ND		ug/kg	32.1	4.08	A
Aroclor 1268	ND		ug/kg	32.1	3.33	A
PCBs, Total	ND		ug/kg	32.1	2.85	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	62		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 40,42 Batch: WG1465457-2 WG1465457-3									
Aroclor 1016	68		77		40-140	12		50	A
Aroclor 1260	66		71		40-140	7		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		89		30-150	A
Decachlorobiphenyl	74		81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		87		30-150	B
Decachlorobiphenyl	80		87		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 23-24,26-33 Batch: WG1465707-2 WG1465707-3									
Aroclor 1016	74		78		40-140	5		50	A
Aroclor 1260	64		67		40-140	5		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		61		30-150	A
Decachlorobiphenyl	75		79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		70		30-150	B
Decachlorobiphenyl	72		75		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01,03-08,10-11,13-14,16-17,19-20,22 Batch: WG1465767-2 WG1465767-3									
Aroclor 1016	73		59		40-140	21		50	A
Aroclor 1260	68		54		40-140	23		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		57		30-150	A
Decachlorobiphenyl	70		55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		67		30-150	B
Decachlorobiphenyl	66		60		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354

Report Date: 02/26/21

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): 23-24,26-33 QC Batch ID: WG1465707-4 WG1465707-5 QC Sample: L2107354-27 Client ID: SB-11 (0-2)													
Aroclor 1016	ND	232	193	83		194	84		40-140	1		50	A
Aroclor 1260	ND	232	154	66		153	66		40-140	1		50	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		62		30-150	A
Decachlorobiphenyl	74		71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		58		30-150	B
Decachlorobiphenyl	74		59		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354

Report Date: 02/26/21

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): 23-24,26-33 QC Batch ID: WG1465707-6 WG1465707-7 QC Sample: L2107354-32 Client ID: SB-13 (0-2)													
Aroclor 1016	ND	223	185	83		206	90		40-140	11		50	A
Aroclor 1260	ND	223	153	69		164	72		40-140	7		50	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		63		30-150	A
Decachlorobiphenyl	78		79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		69		30-150	B
Decachlorobiphenyl	69		73		30-150	B

PESTICIDES

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-01
Client ID: SB-1 (0-1)
Sample Location: BRONX, NY

Date Collected: 02/15/21 14:15
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 02/18/21 16:36
Analyst: JJW
Percent Solids: 77%

Extraction Method: EPA 3546
Extraction Date: 02/17/21 23:48
Cleanup Method: EPA 3620B
Cleanup Date: 02/18/21

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	0.722	J	ug/kg	1.97	0.456	1	B
4,4'-DDD	0.767	JP	ug/kg	1.97	0.704	1	B
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	1.84	JP	ug/kg	2.46	0.687	1	A
trans-Chlordane	1.00	JIP	ug/kg	2.46	0.651	1	B
Chlordane	ND		ug/kg	16.4	6.53	1	A

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-01 Date Collected: 02/15/21 14:15

Client ID: SB-1 (0-1) Date Received: 02/16/21

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	84		30-150	A
Decachlorobiphenyl	90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	93		30-150	B
Decachlorobiphenyl	108		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-01
Client ID: SB-1 (0-1)
Sample Location: BRONX, NY

Date Collected: 02/15/21 14:15
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 02/18/21 10:32
Analyst: EJL
Percent Solids: 77%
Methylation Date: 02/18/21 03:08

Extraction Method: EPA 8151A
Extraction Date: 02/17/21 11:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	210	13.3	1	A
2,4,5-T	ND		ug/kg	210	6.53	1	A
2,4,5-TP (Silvex)	ND		ug/kg	210	5.60	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	64		30-150	A
DCAA	59		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-03
Client ID: SB-1 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 14:25
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 02/18/21 16:47
Analyst: JJW
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 02/17/21 23:48
Cleanup Method: EPA 3620B
Cleanup Date: 02/18/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.69	0.332	1	A
Lindane	ND		ug/kg	0.706	0.315	1	A
Alpha-BHC	ND		ug/kg	0.706	0.200	1	A
Beta-BHC	ND		ug/kg	1.69	0.642	1	A
Heptachlor	ND		ug/kg	0.847	0.380	1	A
Aldrin	ND		ug/kg	1.69	0.596	1	A
Heptachlor epoxide	ND		ug/kg	3.18	0.953	1	A
Endrin	ND		ug/kg	0.706	0.289	1	A
Endrin aldehyde	ND		ug/kg	2.12	0.741	1	A
Endrin ketone	ND		ug/kg	1.69	0.436	1	A
Dieldrin	ND		ug/kg	1.06	0.529	1	A
4,4'-DDE	ND		ug/kg	1.69	0.392	1	A
4,4'-DDD	ND		ug/kg	1.69	0.604	1	A
4,4'-DDT	ND		ug/kg	3.18	1.36	1	A
Endosulfan I	ND		ug/kg	1.69	0.400	1	A
Endosulfan II	ND		ug/kg	1.69	0.566	1	A
Endosulfan sulfate	ND		ug/kg	0.706	0.336	1	A
Methoxychlor	ND		ug/kg	3.18	0.988	1	A
Toxaphene	ND		ug/kg	31.8	8.89	1	A
cis-Chlordane	ND		ug/kg	2.12	0.590	1	A
trans-Chlordane	ND		ug/kg	2.12	0.559	1	A
Chlordane	ND		ug/kg	14.1	5.61	1	A

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-03 Date Collected: 02/15/21 14:25

Client ID: SB-1 (2-3) Date Received: 02/16/21

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	93		30-150	A
Decachlorobiphenyl	109		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	102		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-03
Client ID: SB-1 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 14:25
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 02/18/21 10:50
Analyst: EJL
Percent Solids: 93%
Methylation Date: 02/18/21 03:08

Extraction Method: EPA 8151A
Extraction Date: 02/17/21 11:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
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	63		30-150	A
DCAA	59		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-04
Client ID: SB-2 (0-2)
Sample Location: BRONX, NY

Date Collected: 02/15/21 10:05
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 02/18/21 16:59
Analyst: JJW
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 02/17/21 23:48
Cleanup Method: EPA 3620B
Cleanup Date: 02/18/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.85	0.362	1	B
Lindane	ND		ug/kg	0.770	0.344	1	B
Alpha-BHC	ND		ug/kg	0.770	0.219	1	B
Beta-BHC	ND		ug/kg	1.85	0.701	1	B
Heptachlor	ND		ug/kg	0.924	0.414	1	B
Aldrin	ND		ug/kg	1.85	0.651	1	B
Heptachlor epoxide	ND		ug/kg	3.47	1.04	1	B
Endrin	ND		ug/kg	0.770	0.316	1	B
Endrin aldehyde	ND		ug/kg	2.31	0.809	1	B
Endrin ketone	ND		ug/kg	1.85	0.476	1	B
Dieldrin	ND		ug/kg	1.16	0.578	1	B
4,4'-DDE	ND		ug/kg	1.85	0.428	1	B
4,4'-DDD	ND		ug/kg	1.85	0.659	1	B
4,4'-DDT	ND		ug/kg	3.47	1.49	1	B
Endosulfan I	ND		ug/kg	1.85	0.437	1	B
Endosulfan II	ND		ug/kg	1.85	0.618	1	B
Endosulfan sulfate	ND		ug/kg	0.770	0.367	1	B
Methoxychlor	ND		ug/kg	3.47	1.08	1	B
Toxaphene	ND		ug/kg	34.7	9.70	1	B
cis-Chlordane	ND		ug/kg	2.31	0.644	1	B
trans-Chlordane	ND		ug/kg	2.31	0.610	1	B
Chlordane	ND		ug/kg	15.4	6.12	1	B

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-04 Date Collected: 02/15/21 10:05

Client ID: SB-2 (0-2) Date Received: 02/16/21

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	31		30-150	A
Decachlorobiphenyl	**16**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		30-150	B
Decachlorobiphenyl	98		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-04
Client ID: SB-2 (0-2)
Sample Location: BRONX, NY

Date Collected: 02/15/21 10:05
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 02/18/21 11:09
Analyst: EJL
Percent Solids: 86%
Methylation Date: 02/18/21 03:08

Extraction Method: EPA 8151A
Extraction Date: 02/17/21 11:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
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	68		30-150	A
DCAA	63		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-05
Client ID: SB-2 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 10:10
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 02/18/21 17:10
Analyst: JJW
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 02/17/21 23:48
Cleanup Method: EPA 3620B
Cleanup Date: 02/18/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.70	0.333	1	A
Lindane	ND		ug/kg	0.709	0.317	1	A
Alpha-BHC	ND		ug/kg	0.709	0.201	1	A
Beta-BHC	ND		ug/kg	1.70	0.645	1	A
Heptachlor	ND		ug/kg	0.851	0.381	1	A
Aldrin	ND		ug/kg	1.70	0.599	1	A
Heptachlor epoxide	ND		ug/kg	3.19	0.957	1	A
Endrin	ND		ug/kg	0.709	0.291	1	A
Endrin aldehyde	ND		ug/kg	2.13	0.744	1	A
Endrin ketone	ND		ug/kg	1.70	0.438	1	A
Dieldrin	ND		ug/kg	1.06	0.532	1	A
4,4'-DDE	ND		ug/kg	1.70	0.393	1	A
4,4'-DDD	ND		ug/kg	1.70	0.607	1	A
4,4'-DDT	ND		ug/kg	3.19	1.37	1	A
Endosulfan I	ND		ug/kg	1.70	0.402	1	A
Endosulfan II	ND		ug/kg	1.70	0.568	1	A
Endosulfan sulfate	ND		ug/kg	0.709	0.337	1	A
Methoxychlor	ND		ug/kg	3.19	0.992	1	A
Toxaphene	ND		ug/kg	31.9	8.93	1	A
cis-Chlordane	ND		ug/kg	2.13	0.593	1	A
trans-Chlordane	ND		ug/kg	2.13	0.561	1	A
Chlordane	ND		ug/kg	14.2	5.64	1	A

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-05 Date Collected: 02/15/21 10:10

Client ID: SB-2 (2-3) Date Received: 02/16/21

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	94		30-150	A
Decachlorobiphenyl	111		30-150	A
2,4,5,6-Tetrachloro-m-xylene	96		30-150	B
Decachlorobiphenyl	107		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-05
Client ID: SB-2 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 10:10
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 02/18/21 11:27
Analyst: EJL
Percent Solids: 91%
Methylation Date: 02/18/21 03:08

Extraction Method: EPA 8151A
Extraction Date: 02/17/21 11:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	176	11.1	1	A
2,4,5-T	ND		ug/kg	176	5.47	1	A
2,4,5-TP (Silvex)	ND		ug/kg	176	4.69	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	53		30-150	A
DCAA	53		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-06
Client ID: SB-3 (0-2)
Sample Location: BRONX, NY

Date Collected: 02/15/21 11:30
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 02/18/21 17:22
Analyst: JJW
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 02/17/21 23:48
Cleanup Method: EPA 3620B
Cleanup Date: 02/18/21

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	B
Lindane	ND		ug/kg	0.784	0.350	1	B
Alpha-BHC	ND		ug/kg	0.784	0.223	1	B
Beta-BHC	ND		ug/kg	1.88	0.714	1	B
Heptachlor	ND		ug/kg	0.941	0.422	1	B
Aldrin	ND		ug/kg	1.88	0.663	1	B
Heptachlor epoxide	ND		ug/kg	3.53	1.06	1	B
Endrin	ND		ug/kg	0.784	0.322	1	B
Endrin aldehyde	ND		ug/kg	2.35	0.823	1	B
Endrin ketone	ND		ug/kg	1.88	0.485	1	B
Dieldrin	ND		ug/kg	1.18	0.588	1	B
4,4'-DDE	ND		ug/kg	1.88	0.435	1	B
4,4'-DDD	ND		ug/kg	1.88	0.671	1	B
4,4'-DDT	ND		ug/kg	3.53	1.51	1	B
Endosulfan I	ND		ug/kg	1.88	0.445	1	B
Endosulfan II	ND		ug/kg	1.88	0.629	1	B
Endosulfan sulfate	ND		ug/kg	0.784	0.373	1	B
Methoxychlor	ND		ug/kg	3.53	1.10	1	B
Toxaphene	ND		ug/kg	35.3	9.88	1	B
cis-Chlordane	ND		ug/kg	2.35	0.656	1	B
trans-Chlordane	ND		ug/kg	2.35	0.621	1	B
Chlordane	ND		ug/kg	15.7	6.23	1	B

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-06 Date Collected: 02/15/21 11:30

Client ID: SB-3 (0-2) Date Received: 02/16/21

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	**26**	Q	30-150	A
Decachlorobiphenyl	**18**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	93		30-150	B
Decachlorobiphenyl	107		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-06
Client ID: SB-3 (0-2)
Sample Location: BRONX, NY

Date Collected: 02/15/21 11:30
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 02/18/21 11:45
Analyst: EJL
Percent Solids: 83%
Methylation Date: 02/18/21 03:08

Extraction Method: EPA 8151A
Extraction Date: 02/17/21 11:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	197	12.4	1	A
2,4,5-T	ND		ug/kg	197	6.10	1	A
2,4,5-TP (Silvex)	ND		ug/kg	197	5.23	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	63		30-150	A
DCAA	61		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-07
Client ID: SB-3 (0-2)_DUP
Sample Location: BRONX, NY

Date Collected: 02/15/21 11:40
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 02/18/21 17:33
Analyst: JJW
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 02/17/21 23:48
Cleanup Method: EPA 3620B
Cleanup Date: 02/18/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.81	0.355	1	A
Lindane	ND		ug/kg	0.755	0.338	1	A
Alpha-BHC	ND		ug/kg	0.755	0.214	1	A
Beta-BHC	ND		ug/kg	1.81	0.688	1	A
Heptachlor	ND		ug/kg	0.906	0.406	1	A
Aldrin	ND		ug/kg	1.81	0.638	1	A
Heptachlor epoxide	ND		ug/kg	3.40	1.02	1	A
Endrin	ND		ug/kg	0.755	0.310	1	A
Endrin aldehyde	ND		ug/kg	2.27	0.793	1	A
Endrin ketone	ND		ug/kg	1.81	0.467	1	A
Dieldrin	ND		ug/kg	1.13	0.567	1	A
4,4'-DDE	ND		ug/kg	1.81	0.419	1	A
4,4'-DDD	ND		ug/kg	1.81	0.647	1	A
4,4'-DDT	ND		ug/kg	3.40	1.46	1	A
Endosulfan I	ND		ug/kg	1.81	0.428	1	A
Endosulfan II	ND		ug/kg	1.81	0.606	1	A
Endosulfan sulfate	ND		ug/kg	0.755	0.360	1	A
Methoxychlor	ND		ug/kg	3.40	1.06	1	A
Toxaphene	ND		ug/kg	34.0	9.52	1	A
cis-Chlordane	ND		ug/kg	2.27	0.632	1	A
trans-Chlordane	ND		ug/kg	2.27	0.598	1	A
Chlordane	ND		ug/kg	15.1	6.01	1	A

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-07 Date Collected: 02/15/21 11:40

Client ID: SB-3 (0-2)_DUP Date Received: 02/16/21

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	59		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	102		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-07
Client ID: SB-3 (0-2)_DUP
Sample Location: BRONX, NY

Date Collected: 02/15/21 11:40
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 02/18/21 12:03
Analyst: EJL
Percent Solids: 88%
Methylation Date: 02/18/21 03:08

Extraction Method: EPA 8151A
Extraction Date: 02/17/21 11:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	182	11.5	1	A
2,4,5-T	ND		ug/kg	182	5.65	1	A
2,4,5-TP (Silvex)	ND		ug/kg	182	4.85	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	65		30-150	A
DCAA	60		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-08
Client ID: SB-3 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 11:35
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 02/18/21 17:44
Analyst: JJW
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 02/17/21 23:48
Cleanup Method: EPA 3620B
Cleanup Date: 02/18/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.71	0.336	1	A
Lindane	ND		ug/kg	0.714	0.319	1	A
Alpha-BHC	ND		ug/kg	0.714	0.203	1	A
Beta-BHC	ND		ug/kg	1.71	0.650	1	A
Heptachlor	ND		ug/kg	0.857	0.384	1	A
Aldrin	ND		ug/kg	1.71	0.603	1	A
Heptachlor epoxide	ND		ug/kg	3.21	0.964	1	A
Endrin	ND		ug/kg	0.714	0.293	1	A
Endrin aldehyde	ND		ug/kg	2.14	0.750	1	A
Endrin ketone	ND		ug/kg	1.71	0.441	1	A
Dieldrin	ND		ug/kg	1.07	0.535	1	A
4,4'-DDE	ND		ug/kg	1.71	0.396	1	A
4,4'-DDD	ND		ug/kg	1.71	0.611	1	A
4,4'-DDT	ND		ug/kg	3.21	1.38	1	A
Endosulfan I	ND		ug/kg	1.71	0.405	1	A
Endosulfan II	ND		ug/kg	1.71	0.572	1	A
Endosulfan sulfate	ND		ug/kg	0.714	0.340	1	A
Methoxychlor	ND		ug/kg	3.21	0.999	1	A
Toxaphene	ND		ug/kg	32.1	8.99	1	A
cis-Chlordane	ND		ug/kg	2.14	0.597	1	A
trans-Chlordane	ND		ug/kg	2.14	0.565	1	A
Chlordane	ND		ug/kg	14.3	5.68	1	A

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-08 Date Collected: 02/15/21 11:35

Client ID: SB-3 (2-3) Date Received: 02/16/21

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	97		30-150	A
Decachlorobiphenyl	114		30-150	A
2,4,5,6-Tetrachloro-m-xylene	96		30-150	B
Decachlorobiphenyl	108		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-08
Client ID: SB-3 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 11:35
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 02/18/21 12:21
Analyst: EJL
Percent Solids: 88%
Methylation Date: 02/18/21 03:08

Extraction Method: EPA 8151A
Extraction Date: 02/17/21 11:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	188	11.8	1	A
2,4,5-T	ND		ug/kg	188	5.82	1	A
2,4,5-TP (Silvex)	ND		ug/kg	188	5.00	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	62		30-150	A
DCAA	59		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-10
Client ID: SB-4 (1-2)
Sample Location: BRONX, NY

Date Collected: 02/15/21 13:50
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 02/18/21 17:56
Analyst: JJW
Percent Solids: 78%

Extraction Method: EPA 3546
Extraction Date: 02/17/21 23:48
Cleanup Method: EPA 3620B
Cleanup Date: 02/18/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.99	0.390	1	A
Lindane	ND		ug/kg	0.830	0.371	1	A
Alpha-BHC	ND		ug/kg	0.830	0.236	1	A
Beta-BHC	ND		ug/kg	1.99	0.755	1	A
Heptachlor	ND		ug/kg	0.996	0.446	1	A
Aldrin	ND		ug/kg	1.99	0.701	1	A
Heptachlor epoxide	ND		ug/kg	3.73	1.12	1	A
Endrin	ND		ug/kg	0.830	0.340	1	A
Endrin aldehyde	ND		ug/kg	2.49	0.871	1	A
Endrin ketone	ND		ug/kg	1.99	0.513	1	A
Dieldrin	ND		ug/kg	1.24	0.622	1	A
4,4'-DDE	ND		ug/kg	1.99	0.460	1	A
4,4'-DDD	ND		ug/kg	1.99	0.710	1	A
4,4'-DDT	ND		ug/kg	3.73	1.60	1	A
Endosulfan I	ND		ug/kg	1.99	0.470	1	A
Endosulfan II	ND		ug/kg	1.99	0.665	1	A
Endosulfan sulfate	ND		ug/kg	0.830	0.395	1	A
Methoxychlor	ND		ug/kg	3.73	1.16	1	A
Toxaphene	ND		ug/kg	37.3	10.4	1	A
cis-Chlordane	ND		ug/kg	2.49	0.694	1	A
trans-Chlordane	ND		ug/kg	2.49	0.657	1	A
Chlordane	ND		ug/kg	16.6	6.60	1	A

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-10 Date Collected: 02/15/21 13:50

Client ID: SB-4 (1-2) Date Received: 02/16/21

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	71		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	102		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-10
Client ID: SB-4 (1-2)
Sample Location: BRONX, NY

Date Collected: 02/15/21 13:50
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 02/18/21 12:39
Analyst: EJL
Percent Solids: 78%
Methylation Date: 02/18/21 03:08

Extraction Method: EPA 8151A
Extraction Date: 02/17/21 11:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	212	13.4	1	A
2,4,5-T	ND		ug/kg	212	6.57	1	A
2,4,5-TP (Silvex)	ND		ug/kg	212	5.64	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	67		30-150	A
DCAA	63		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-11
Client ID: SB-4 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 13:55
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 02/19/21 11:05
Analyst: JJW
Percent Solids: 77%

Extraction Method: EPA 3546
Extraction Date: 02/17/21 23:48
Cleanup Method: EPA 3620B
Cleanup Date: 02/18/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.05	0.401	1	A
Lindane	ND		ug/kg	0.854	0.382	1	A
Alpha-BHC	ND		ug/kg	0.854	0.242	1	A
Beta-BHC	ND		ug/kg	2.05	0.777	1	A
Heptachlor	ND		ug/kg	1.02	0.459	1	A
Aldrin	ND		ug/kg	2.05	0.721	1	A
Heptachlor epoxide	ND		ug/kg	3.84	1.15	1	A
Endrin	ND		ug/kg	0.854	0.350	1	A
Endrin aldehyde	ND		ug/kg	2.56	0.896	1	A
Endrin ketone	ND		ug/kg	2.05	0.528	1	A
Dieldrin	ND		ug/kg	1.28	0.640	1	A
4,4'-DDE	ND		ug/kg	2.05	0.474	1	A
4,4'-DDD	ND		ug/kg	2.05	0.731	1	A
4,4'-DDT	ND		ug/kg	3.84	1.65	1	A
Endosulfan I	ND		ug/kg	2.05	0.484	1	A
Endosulfan II	ND		ug/kg	2.05	0.685	1	A
Endosulfan sulfate	ND		ug/kg	0.854	0.406	1	A
Methoxychlor	ND		ug/kg	3.84	1.20	1	A
Toxaphene	ND		ug/kg	38.4	10.8	1	A
cis-Chlordane	ND		ug/kg	2.56	0.714	1	A
trans-Chlordane	ND		ug/kg	2.56	0.676	1	A
Chlordane	ND		ug/kg	17.1	6.79	1	A

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-11 Date Collected: 02/15/21 13:55

Client ID: SB-4 (2-3) Date Received: 02/16/21

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	A
Decachlorobiphenyl	97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	97		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-11
Client ID: SB-4 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 13:55
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 02/18/21 12:58
Analyst: EJL
Percent Solids: 77%
Methylation Date: 02/18/21 03:08

Extraction Method: EPA 8151A
Extraction Date: 02/17/21 11:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	213	13.4	1	A
2,4,5-T	ND		ug/kg	213	6.62	1	A
2,4,5-TP (Silvex)	ND		ug/kg	213	5.68	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	63		30-150	A
DCAA	61		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-13
Client ID: SB-5 (1-2)
Sample Location: BRONX, NY

Date Collected: 02/15/21 14:50
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 02/19/21 11:15
Analyst: JJW
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 02/17/21 23:48
Cleanup Method: EPA 3620B
Cleanup Date: 02/18/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.91	0.375	1	A
Lindane	ND		ug/kg	0.797	0.356	1	A
Alpha-BHC	ND		ug/kg	0.797	0.226	1	A
Beta-BHC	ND		ug/kg	1.91	0.726	1	A
Heptachlor	ND		ug/kg	0.957	0.429	1	A
Aldrin	ND		ug/kg	1.91	0.674	1	A
Heptachlor epoxide	ND		ug/kg	3.59	1.08	1	A
Endrin	ND		ug/kg	0.797	0.327	1	A
Endrin aldehyde	ND		ug/kg	2.39	0.837	1	A
Endrin ketone	ND		ug/kg	1.91	0.493	1	A
Dieldrin	ND		ug/kg	1.20	0.598	1	A
4,4'-DDE	ND		ug/kg	1.91	0.442	1	B
4,4'-DDD	ND		ug/kg	1.91	0.683	1	A
4,4'-DDT	ND		ug/kg	3.59	1.54	1	A
Endosulfan I	ND		ug/kg	1.91	0.452	1	A
Endosulfan II	ND		ug/kg	1.91	0.640	1	A
Endosulfan sulfate	ND		ug/kg	0.797	0.380	1	A
Methoxychlor	ND		ug/kg	3.59	1.12	1	A
Toxaphene	ND		ug/kg	35.9	10.0	1	A
cis-Chlordane	ND		ug/kg	2.39	0.667	1	A
trans-Chlordane	ND		ug/kg	2.39	0.632	1	A
Chlordane	ND		ug/kg	15.9	6.34	1	A

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-13 Date Collected: 02/15/21 14:50

Client ID: SB-5 (1-2) Date Received: 02/16/21

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	57		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-13
Client ID: SB-5 (1-2)
Sample Location: BRONX, NY

Date Collected: 02/15/21 14:50
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 02/18/21 13:34
Analyst: EJL
Percent Solids: 82%
Methylation Date: 02/18/21 03:08

Extraction Method: EPA 8151A
Extraction Date: 02/17/21 11:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	201	12.6	1	A
2,4,5-T	ND		ug/kg	201	6.22	1	A
2,4,5-TP (Silvex)	ND		ug/kg	201	5.34	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	62		30-150	A
DCAA	56		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-14
Client ID: SB-5 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 14:55
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 02/19/21 11:25
Analyst: JJW
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 02/17/21 23:48
Cleanup Method: EPA 3620B
Cleanup Date: 02/18/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.86	0.363	1	A
Lindane	ND		ug/kg	0.773	0.346	1	A
Alpha-BHC	ND		ug/kg	0.773	0.220	1	A
Beta-BHC	ND		ug/kg	1.86	0.704	1	A
Heptachlor	ND		ug/kg	0.928	0.416	1	A
Aldrin	ND		ug/kg	1.86	0.653	1	A
Heptachlor epoxide	ND		ug/kg	3.48	1.04	1	A
Endrin	ND		ug/kg	0.773	0.317	1	A
Endrin aldehyde	ND		ug/kg	2.32	0.812	1	A
Endrin ketone	ND		ug/kg	1.86	0.478	1	A
Dieldrin	ND		ug/kg	1.16	0.580	1	A
4,4'-DDE	ND		ug/kg	1.86	0.429	1	B
4,4'-DDD	ND		ug/kg	1.86	0.662	1	A
4,4'-DDT	ND		ug/kg	3.48	1.49	1	A
Endosulfan I	ND		ug/kg	1.86	0.438	1	A
Endosulfan II	ND		ug/kg	1.86	0.620	1	A
Endosulfan sulfate	ND		ug/kg	0.773	0.368	1	A
Methoxychlor	ND		ug/kg	3.48	1.08	1	A
Toxaphene	ND		ug/kg	34.8	9.74	1	A
cis-Chlordane	ND		ug/kg	2.32	0.646	1	A
trans-Chlordane	ND		ug/kg	2.32	0.612	1	A
Chlordane	ND		ug/kg	15.5	6.15	1	A

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-14 Date Collected: 02/15/21 14:55

Client ID: SB-5 (2-3) Date Received: 02/16/21

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	93		30-150	A
Decachlorobiphenyl	112		30-150	A
2,4,5,6-Tetrachloro-m-xylene	100		30-150	B
Decachlorobiphenyl	111		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-14
Client ID: SB-5 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 14:55
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 02/18/21 13:52
Analyst: EJL
Percent Solids: 81%
Methylation Date: 02/18/21 03:08

Extraction Method: EPA 8151A
Extraction Date: 02/17/21 11:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	200	12.6	1	A
2,4,5-T	ND		ug/kg	200	6.21	1	A
2,4,5-TP (Silvex)	ND		ug/kg	200	5.33	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	52		30-150	A
DCAA	49		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-16
Client ID: SB-6 (1-2)
Sample Location: BRONX, NY

Date Collected: 02/15/21 15:05
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 02/19/21 11:36
Analyst: JJW
Percent Solids: 76%

Extraction Method: EPA 3546
Extraction Date: 02/17/21 23:48
Cleanup Method: EPA 3620B
Cleanup Date: 02/18/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.07	0.406	1	A
Lindane	ND		ug/kg	0.863	0.386	1	A
Alpha-BHC	ND		ug/kg	0.863	0.245	1	A
Beta-BHC	ND		ug/kg	2.07	0.786	1	A
Heptachlor	ND		ug/kg	1.04	0.464	1	A
Aldrin	ND		ug/kg	2.07	0.730	1	A
Heptachlor epoxide	ND		ug/kg	3.88	1.16	1	A
Endrin	ND		ug/kg	0.863	0.354	1	A
Endrin aldehyde	ND		ug/kg	2.59	0.906	1	A
Endrin ketone	ND		ug/kg	2.07	0.534	1	A
Dieldrin	ND		ug/kg	1.30	0.648	1	A
4,4'-DDE	5.07	P	ug/kg	2.07	0.479	1	B
4,4'-DDD	ND		ug/kg	2.07	0.739	1	B
4,4'-DDT	1.80	J	ug/kg	3.88	1.67	1	B
Endosulfan I	ND		ug/kg	2.07	0.490	1	A
Endosulfan II	ND		ug/kg	2.07	0.692	1	A
Endosulfan sulfate	ND		ug/kg	0.863	0.411	1	A
Methoxychlor	ND		ug/kg	3.88	1.21	1	A
Toxaphene	ND		ug/kg	38.8	10.9	1	A
cis-Chlordane	ND	IP	ug/kg	2.59	0.722	1	B
trans-Chlordane	0.892	J	ug/kg	2.59	0.684	1	A
Chlordane	ND		ug/kg	17.3	6.86	1	A

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-16 Date Collected: 02/15/21 15:05

Client ID: SB-6 (1-2) Date Received: 02/16/21

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	67		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	95		30-150	B
Decachlorobiphenyl	109		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-16
Client ID: SB-6 (1-2)
Sample Location: BRONX, NY

Date Collected: 02/15/21 15:05
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 02/18/21 14:10
Analyst: EJL
Percent Solids: 76%
Methylation Date: 02/18/21 03:08

Extraction Method: EPA 8151A
Extraction Date: 02/17/21 11:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	218	13.8	1	A
2,4,5-T	ND		ug/kg	218	6.78	1	A
2,4,5-TP (Silvex)	ND		ug/kg	218	5.81	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	78		30-150	A
DCAA	74		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-17
Client ID: SB-6 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 15:10
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 02/19/21 11:46
Analyst: JJW
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 02/17/21 23:49
Cleanup Method: EPA 3620B
Cleanup Date: 02/18/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.69	0.331	1	A
Lindane	ND		ug/kg	0.704	0.314	1	A
Alpha-BHC	ND		ug/kg	0.704	0.200	1	A
Beta-BHC	ND		ug/kg	1.69	0.640	1	A
Heptachlor	ND		ug/kg	0.844	0.379	1	A
Aldrin	ND		ug/kg	1.69	0.595	1	A
Heptachlor epoxide	ND		ug/kg	3.17	0.950	1	A
Endrin	ND		ug/kg	0.704	0.288	1	A
Endrin aldehyde	ND		ug/kg	2.11	0.739	1	A
Endrin ketone	ND		ug/kg	1.69	0.435	1	A
Dieldrin	ND		ug/kg	1.06	0.528	1	A
4,4'-DDE	ND		ug/kg	1.69	0.390	1	B
4,4'-DDD	ND		ug/kg	1.69	0.602	1	A
4,4'-DDT	ND		ug/kg	3.17	1.36	1	A
Endosulfan I	ND		ug/kg	1.69	0.399	1	A
Endosulfan II	ND		ug/kg	1.69	0.564	1	A
Endosulfan sulfate	ND		ug/kg	0.704	0.335	1	A
Methoxychlor	ND		ug/kg	3.17	0.985	1	A
Toxaphene	ND		ug/kg	31.7	8.87	1	A
cis-Chlordane	ND		ug/kg	2.11	0.588	1	A
trans-Chlordane	ND		ug/kg	2.11	0.557	1	A
Chlordane	ND		ug/kg	14.1	5.59	1	A

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-17 Date Collected: 02/15/21 15:10

Client ID: SB-6 (2-3) Date Received: 02/16/21

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	90		30-150	A
Decachlorobiphenyl	110		30-150	A
2,4,5,6-Tetrachloro-m-xylene	99		30-150	B
Decachlorobiphenyl	112		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-17
Client ID: SB-6 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 15:10
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 02/18/21 14:28
Analyst: EJL
Percent Solids: 92%
Methylation Date: 02/18/21 03:08

Extraction Method: EPA 8151A
Extraction Date: 02/17/21 11:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	176	11.0	1	A
2,4,5-T	ND		ug/kg	176	5.44	1	A
2,4,5-TP (Silvex)	ND		ug/kg	176	4.67	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	63		30-150	A
DCAA	58		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-19
Client ID: SB-7 (1-2)
Sample Location: BRONX, NY

Date Collected: 02/15/21 14:05
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 02/19/21 11:57
Analyst: JJW
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 02/17/21 23:49
Cleanup Method: EPA 3620B
Cleanup Date: 02/18/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.93	0.378	1	A
Lindane	ND		ug/kg	0.804	0.359	1	A
Alpha-BHC	ND		ug/kg	0.804	0.228	1	A
Beta-BHC	ND		ug/kg	1.93	0.732	1	A
Heptachlor	ND		ug/kg	0.965	0.432	1	A
Aldrin	ND		ug/kg	1.93	0.679	1	A
Heptachlor epoxide	ND		ug/kg	3.62	1.08	1	A
Endrin	ND		ug/kg	0.804	0.330	1	A
Endrin aldehyde	ND		ug/kg	2.41	0.844	1	A
Endrin ketone	ND		ug/kg	1.93	0.497	1	A
Dieldrin	ND		ug/kg	1.21	0.603	1	A
4,4'-DDE	3.24		ug/kg	1.93	0.446	1	B
4,4'-DDD	ND		ug/kg	1.93	0.688	1	B
4,4'-DDT	ND		ug/kg	3.62	1.55	1	A
Endosulfan I	ND		ug/kg	1.93	0.456	1	A
Endosulfan II	ND		ug/kg	1.93	0.645	1	A
Endosulfan sulfate	ND		ug/kg	0.804	0.383	1	A
Methoxychlor	ND		ug/kg	3.62	1.12	1	A
Toxaphene	ND		ug/kg	36.2	10.1	1	A
cis-Chlordane	1.20	J	ug/kg	2.41	0.672	1	A
trans-Chlordane	1.10	J	ug/kg	2.41	0.637	1	B
Chlordane	ND		ug/kg	16.1	6.39	1	A

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-19 Date Collected: 02/15/21 14:05

Client ID: SB-7 (1-2) Date Received: 02/16/21

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	90		30-150	A
Decachlorobiphenyl	113		30-150	A
2,4,5,6-Tetrachloro-m-xylene	100		30-150	B
Decachlorobiphenyl	118		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-19
Client ID: SB-7 (1-2)
Sample Location: BRONX, NY

Date Collected: 02/15/21 14:05
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 02/19/21 16:01
Analyst: AR
Percent Solids: 81%
Methylation Date: 02/19/21 05:54

Extraction Method: EPA 8151A
Extraction Date: 02/18/21 03:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
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	6.25	1	A
2,4,5-TP (Silvex)	ND		ug/kg	202	5.36	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	57		30-150	A
DCAA	54		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-20
Client ID: SB-7 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 14:10
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 02/19/21 12:07
Analyst: JJW
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 02/17/21 23:49
Cleanup Method: EPA 3620B
Cleanup Date: 02/18/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.69	0.331	1	A
Lindane	ND		ug/kg	0.704	0.315	1	A
Alpha-BHC	ND		ug/kg	0.704	0.200	1	A
Beta-BHC	ND		ug/kg	1.69	0.641	1	A
Heptachlor	ND		ug/kg	0.845	0.379	1	A
Aldrin	ND		ug/kg	1.69	0.595	1	A
Heptachlor epoxide	ND		ug/kg	3.17	0.951	1	A
Endrin	ND		ug/kg	0.704	0.289	1	A
Endrin aldehyde	ND		ug/kg	2.11	0.740	1	A
Endrin ketone	ND		ug/kg	1.69	0.435	1	A
Dieldrin	ND		ug/kg	1.06	0.528	1	A
4,4'-DDE	ND		ug/kg	1.69	0.391	1	B
4,4'-DDD	ND		ug/kg	1.69	0.603	1	A
4,4'-DDT	ND		ug/kg	3.17	1.36	1	A
Endosulfan I	ND		ug/kg	1.69	0.399	1	A
Endosulfan II	ND		ug/kg	1.69	0.565	1	A
Endosulfan sulfate	ND		ug/kg	0.704	0.335	1	A
Methoxychlor	ND		ug/kg	3.17	0.986	1	A
Toxaphene	ND		ug/kg	31.7	8.88	1	A
cis-Chlordane	ND		ug/kg	2.11	0.589	1	A
trans-Chlordane	ND		ug/kg	2.11	0.558	1	A
Chlordane	ND		ug/kg	14.1	5.60	1	A

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-20 Date Collected: 02/15/21 14:10

Client ID: SB-7 (2-3) Date Received: 02/16/21

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	86		30-150	A
Decachlorobiphenyl	103		30-150	A
2,4,5,6-Tetrachloro-m-xylene	95		30-150	B
Decachlorobiphenyl	105		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-20
Client ID: SB-7 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 14:10
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 02/19/21 16:19
Analyst: AR
Percent Solids: 90%
Methylation Date: 02/19/21 05:54

Extraction Method: EPA 8151A
Extraction Date: 02/18/21 03:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	180	11.4	1	A
2,4,5-T	ND		ug/kg	180	5.59	1	A
2,4,5-TP (Silvex)	ND		ug/kg	180	4.79	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	63		30-150	A
DCAA	58		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-22
Client ID: SB-8 (1-2)
Sample Location: BRONX, NY

Date Collected: 02/15/21 13:25
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 02/19/21 12:17
Analyst: JJW
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 02/17/21 23:49
Cleanup Method: EPA 3620B
Cleanup Date: 02/18/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.73	0.339	1	A
Lindane	ND		ug/kg	0.721	0.322	1	A
Alpha-BHC	ND		ug/kg	0.721	0.205	1	A
Beta-BHC	ND		ug/kg	1.73	0.656	1	A
Heptachlor	ND		ug/kg	0.865	0.388	1	A
Aldrin	ND		ug/kg	1.73	0.609	1	A
Heptachlor epoxide	ND		ug/kg	3.24	0.973	1	A
Endrin	ND		ug/kg	0.721	0.296	1	A
Endrin aldehyde	ND		ug/kg	2.16	0.757	1	A
Endrin ketone	ND		ug/kg	1.73	0.445	1	A
Dieldrin	ND		ug/kg	1.08	0.540	1	A
4,4'-DDE	0.525	J	ug/kg	1.73	0.400	1	B
4,4'-DDD	0.760	J	ug/kg	1.73	0.617	1	B
4,4'-DDT	ND		ug/kg	3.24	1.39	1	A
Endosulfan I	ND		ug/kg	1.73	0.409	1	A
Endosulfan II	ND		ug/kg	1.73	0.578	1	A
Endosulfan sulfate	ND		ug/kg	0.721	0.343	1	A
Methoxychlor	ND		ug/kg	3.24	1.01	1	A
Toxaphene	ND		ug/kg	32.4	9.08	1	A
cis-Chlordane	6.71		ug/kg	2.16	0.602	1	B
trans-Chlordane	7.49		ug/kg	2.16	0.571	1	B
Chlordane	59.3		ug/kg	14.4	5.73	1	B

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-22 Date Collected: 02/15/21 13:25

Client ID: SB-8 (1-2) Date Received: 02/16/21

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	A
Decachlorobiphenyl	98		30-150	A
2,4,5,6-Tetrachloro-m-xylene	96		30-150	B
Decachlorobiphenyl	109		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-22
Client ID: SB-8 (1-2)
Sample Location: BRONX, NY

Date Collected: 02/15/21 13:25
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 02/19/21 16:38
Analyst: AR
Percent Solids: 92%
Methylation Date: 02/19/21 05:54

Extraction Method: EPA 8151A
Extraction Date: 02/18/21 03:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	179	11.2	1	A
2,4,5-T	ND		ug/kg	179	5.54	1	A
2,4,5-TP (Silvex)	ND		ug/kg	179	4.75	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	53		30-150	A
DCAA	51		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-23
Client ID: SB-8 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 13:30
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 02/19/21 13:56
Analyst: SDC
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 02/17/21 13:17
Cleanup Method: EPA 3620B
Cleanup Date: 02/18/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.84	0.359	1	A
Lindane	ND		ug/kg	0.764	0.342	1	A
Alpha-BHC	ND		ug/kg	0.764	0.217	1	A
Beta-BHC	ND		ug/kg	1.84	0.696	1	A
Heptachlor	ND		ug/kg	0.918	0.411	1	A
Aldrin	ND		ug/kg	1.84	0.646	1	A
Heptachlor epoxide	ND		ug/kg	3.44	1.03	1	A
Endrin	ND		ug/kg	0.764	0.313	1	A
Endrin aldehyde	ND		ug/kg	2.29	0.803	1	A
Endrin ketone	ND		ug/kg	1.84	0.472	1	A
Dieldrin	ND		ug/kg	1.15	0.573	1	A
4,4'-DDE	ND		ug/kg	1.84	0.424	1	A
4,4'-DDD	ND		ug/kg	1.84	0.654	1	A
4,4'-DDT	ND		ug/kg	3.44	1.48	1	A
Endosulfan I	ND		ug/kg	1.84	0.434	1	A
Endosulfan II	ND		ug/kg	1.84	0.613	1	A
Endosulfan sulfate	ND		ug/kg	0.764	0.364	1	A
Methoxychlor	ND		ug/kg	3.44	1.07	1	A
Toxaphene	ND		ug/kg	34.4	9.63	1	A
cis-Chlordane	ND		ug/kg	2.29	0.639	1	A
trans-Chlordane	ND		ug/kg	2.29	0.606	1	A
Chlordane	ND		ug/kg	15.3	6.08	1	A

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-23 Date Collected: 02/15/21 13:30

Client ID: SB-8 (2-3) Date Received: 02/16/21

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	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-23
Client ID: SB-8 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 13:30
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 02/19/21 16:56
Analyst: AR
Percent Solids: 87%
Methylation Date: 02/19/21 05:54

Extraction Method: EPA 8151A
Extraction Date: 02/18/21 03:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	191	12.0	1	A
2,4,5-T	ND		ug/kg	191	5.92	1	A
2,4,5-TP (Silvex)	ND		ug/kg	191	5.08	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	59		30-150	A
DCAA	55		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-24
Client ID: SB-9 (0-1)
Sample Location: BRONX, NY

Date Collected: 02/15/21 15:30
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 02/19/21 14:07
Analyst: SDC
Percent Solids: 79%

Extraction Method: EPA 3546
Extraction Date: 02/17/21 13:17
Cleanup Method: EPA 3620B
Cleanup Date: 02/18/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.00	0.391	1	A
Lindane	ND		ug/kg	0.833	0.372	1	A
Alpha-BHC	ND		ug/kg	0.833	0.236	1	A
Beta-BHC	ND		ug/kg	2.00	0.758	1	A
Heptachlor	ND		ug/kg	0.999	0.448	1	A
Aldrin	ND		ug/kg	2.00	0.704	1	A
Heptachlor epoxide	ND		ug/kg	3.75	1.12	1	A
Endrin	ND		ug/kg	0.833	0.341	1	A
Endrin aldehyde	ND		ug/kg	2.50	0.874	1	A
Endrin ketone	ND		ug/kg	2.00	0.515	1	A
Dieldrin	ND		ug/kg	1.25	0.624	1	A
4,4'-DDE	1.52	J	ug/kg	2.00	0.462	1	B
4,4'-DDD	ND		ug/kg	2.00	0.713	1	A
4,4'-DDT	ND		ug/kg	3.75	1.61	1	A
Endosulfan I	ND		ug/kg	2.00	0.472	1	A
Endosulfan II	ND		ug/kg	2.00	0.668	1	A
Endosulfan sulfate	ND		ug/kg	0.833	0.396	1	A
Methoxychlor	ND		ug/kg	3.75	1.16	1	A
Toxaphene	ND		ug/kg	37.5	10.5	1	A
cis-Chlordane	ND		ug/kg	2.50	0.696	1	A
trans-Chlordane	ND		ug/kg	2.50	0.659	1	A
Chlordane	ND		ug/kg	16.6	6.62	1	A

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-24 Date Collected: 02/15/21 15:30

Client ID: SB-9 (0-1) Date Received: 02/16/21

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	62		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	81		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-24
Client ID: SB-9 (0-1)
Sample Location: BRONX, NY

Date Collected: 02/15/21 15:30
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 02/19/21 17:14
Analyst: AR
Percent Solids: 79%
Methylation Date: 02/19/21 05:54

Extraction Method: EPA 8151A
Extraction Date: 02/18/21 03:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	209	13.1	1	A
2,4,5-T	ND		ug/kg	209	6.47	1	A
2,4,5-TP (Silvex)	ND		ug/kg	209	5.55	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	58		30-150	A
DCAA	54		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-26
Client ID: SB-9 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 15:40
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 02/19/21 14:18
Analyst: SDC
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 02/17/21 13:17
Cleanup Method: EPA 3620B
Cleanup Date: 02/18/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.79	0.351	1	A
Lindane	ND		ug/kg	0.746	0.334	1	A
Alpha-BHC	ND		ug/kg	0.746	0.212	1	A
Beta-BHC	ND		ug/kg	1.79	0.679	1	A
Heptachlor	ND		ug/kg	0.896	0.402	1	A
Aldrin	ND		ug/kg	1.79	0.631	1	A
Heptachlor epoxide	ND		ug/kg	3.36	1.01	1	A
Endrin	ND		ug/kg	0.746	0.306	1	A
Endrin aldehyde	ND		ug/kg	2.24	0.784	1	A
Endrin ketone	ND		ug/kg	1.79	0.461	1	A
Dieldrin	ND		ug/kg	1.12	0.560	1	A
4,4'-DDE	ND		ug/kg	1.79	0.414	1	A
4,4'-DDD	ND		ug/kg	1.79	0.639	1	A
4,4'-DDT	ND		ug/kg	3.36	1.44	1	A
Endosulfan I	ND		ug/kg	1.79	0.423	1	A
Endosulfan II	ND		ug/kg	1.79	0.598	1	A
Endosulfan sulfate	ND		ug/kg	0.746	0.355	1	A
Methoxychlor	ND		ug/kg	3.36	1.04	1	A
Toxaphene	ND		ug/kg	33.6	9.40	1	A
cis-Chlordane	ND		ug/kg	2.24	0.624	1	A
trans-Chlordane	ND		ug/kg	2.24	0.591	1	A
Chlordane	ND		ug/kg	14.9	5.93	1	A

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-26 Date Collected: 02/15/21 15:40

Client ID: SB-9 (2-3) Date Received: 02/16/21

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	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	89		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-26
Client ID: SB-9 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 15:40
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 02/19/21 17:50
Analyst: AR
Percent Solids: 84%
Methylation Date: 02/19/21 05:54

Extraction Method: EPA 8151A
Extraction Date: 02/18/21 03:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
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	5.99	1	A
2,4,5-TP (Silvex)	ND		ug/kg	193	5.14	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	61		30-150	A
DCAA	59		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-27
Client ID: SB-11 (0-2)
Sample Location: BRONX, NY

Date Collected: 02/15/21 11:55
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 02/19/21 13:50
Analyst: JJW
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 02/17/21 13:17
Cleanup Method: EPA 3620B
Cleanup Date: 02/18/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.85	0.362	1	A
Lindane	ND		ug/kg	0.770	0.344	1	A
Alpha-BHC	ND		ug/kg	0.770	0.219	1	A
Beta-BHC	ND		ug/kg	1.85	0.701	1	A
Heptachlor	ND		ug/kg	0.924	0.414	1	A
Aldrin	ND		ug/kg	1.85	0.651	1	A
Heptachlor epoxide	ND		ug/kg	3.47	1.04	1	A
Endrin	ND		ug/kg	0.770	0.316	1	A
Endrin aldehyde	ND		ug/kg	2.31	0.809	1	A
Endrin ketone	ND		ug/kg	1.85	0.476	1	A
Dieldrin	ND		ug/kg	1.16	0.578	1	A
4,4'-DDE	0.622	J	ug/kg	1.85	0.428	1	B
4,4'-DDD	0.951	J	ug/kg	1.85	0.660	1	B
4,4'-DDT	ND		ug/kg	3.47	1.49	1	B
Endosulfan I	ND		ug/kg	1.85	0.437	1	A
Endosulfan II	ND		ug/kg	1.85	0.618	1	A
Endosulfan sulfate	ND		ug/kg	0.770	0.367	1	A
Methoxychlor	ND		ug/kg	3.47	1.08	1	A
Toxaphene	ND		ug/kg	34.7	9.71	1	A
cis-Chlordane	ND		ug/kg	2.31	0.644	1	A
trans-Chlordane	ND		ug/kg	2.31	0.610	1	A
Chlordane	ND		ug/kg	15.4	6.12	1	A

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-27 Date Collected: 02/15/21 11:55

Client ID: SB-11 (0-2) Date Received: 02/16/21

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	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	93		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-27
Client ID: SB-11 (0-2)
Sample Location: BRONX, NY

Date Collected: 02/15/21 11:55
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 02/19/21 15:07
Analyst: AR
Percent Solids: 86%
Methylation Date: 02/19/21 05:54

Extraction Method: EPA 8151A
Extraction Date: 02/18/21 03:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
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	5.03	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	65		30-150	A
DCAA	62		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-28
Client ID: SB-11 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 12:00
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 02/19/21 14:30
Analyst: SDC
Percent Solids: 77%

Extraction Method: EPA 3546
Extraction Date: 02/17/21 13:17
Cleanup Method: EPA 3620B
Cleanup Date: 02/18/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.07	0.406	1	A
Lindane	ND		ug/kg	0.864	0.386	1	A
Alpha-BHC	ND		ug/kg	0.864	0.245	1	A
Beta-BHC	ND		ug/kg	2.07	0.786	1	A
Heptachlor	ND		ug/kg	1.04	0.465	1	A
Aldrin	ND		ug/kg	2.07	0.730	1	A
Heptachlor epoxide	ND		ug/kg	3.89	1.17	1	A
Endrin	ND		ug/kg	0.864	0.354	1	A
Endrin aldehyde	ND		ug/kg	2.59	0.907	1	A
Endrin ketone	ND		ug/kg	2.07	0.534	1	A
Dieldrin	ND		ug/kg	1.30	0.648	1	A
4,4'-DDE	ND		ug/kg	2.07	0.480	1	B
4,4'-DDD	ND		ug/kg	2.07	0.740	1	A
4,4'-DDT	ND		ug/kg	3.89	1.67	1	A
Endosulfan I	ND		ug/kg	2.07	0.490	1	A
Endosulfan II	ND		ug/kg	2.07	0.693	1	A
Endosulfan sulfate	ND		ug/kg	0.864	0.411	1	A
Methoxychlor	ND		ug/kg	3.89	1.21	1	A
Toxaphene	ND		ug/kg	38.9	10.9	1	A
cis-Chlordane	ND		ug/kg	2.59	0.722	1	A
trans-Chlordane	ND		ug/kg	2.59	0.684	1	A
Chlordane	ND		ug/kg	17.3	6.87	1	A

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-28 Date Collected: 02/15/21 12:00

Client ID: SB-11 (2-3) Date Received: 02/16/21

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	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	81		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-28
Client ID: SB-11 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 12:00
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 02/19/21 18:09
Analyst: AR
Percent Solids: 77%
Methylation Date: 02/19/21 05:54

Extraction Method: EPA 8151A
Extraction Date: 02/18/21 03:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	214	13.4	1	A
2,4,5-T	ND		ug/kg	214	6.62	1	A
2,4,5-TP (Silvex)	ND		ug/kg	214	5.68	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	61		30-150	A
DCAA	56		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-29
Client ID: SB-12 (0-2)
Sample Location: BRONX, NY

Date Collected: 02/15/21 11:10
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 02/19/21 14:00
Analyst: JJW
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 02/17/21 13:17
Cleanup Method: EPA 3620B
Cleanup Date: 02/18/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.75	0.342	1	B
Lindane	ND		ug/kg	0.729	0.326	1	B
Alpha-BHC	ND		ug/kg	0.729	0.207	1	B
Beta-BHC	ND		ug/kg	1.75	0.663	1	B
Heptachlor	ND		ug/kg	0.875	0.392	1	B
Aldrin	ND		ug/kg	1.75	0.616	1	B
Heptachlor epoxide	ND		ug/kg	3.28	0.984	1	B
Endrin	ND		ug/kg	0.729	0.299	1	B
Endrin aldehyde	ND		ug/kg	2.19	0.765	1	B
Endrin ketone	ND		ug/kg	1.75	0.450	1	B
Dieldrin	ND		ug/kg	1.09	0.547	1	B
4,4'-DDE	0.548	JP	ug/kg	1.75	0.404	1	B
4,4'-DDD	ND		ug/kg	1.75	0.624	1	B
4,4'-DDT	ND		ug/kg	3.28	1.41	1	B
Endosulfan I	ND		ug/kg	1.75	0.413	1	B
Endosulfan II	ND		ug/kg	1.75	0.584	1	B
Endosulfan sulfate	ND		ug/kg	0.729	0.347	1	B
Methoxychlor	ND		ug/kg	3.28	1.02	1	B
Toxaphene	ND		ug/kg	32.8	9.18	1	B
cis-Chlordane	ND		ug/kg	2.19	0.609	1	B
trans-Chlordane	ND		ug/kg	2.19	0.577	1	B
Chlordane	ND		ug/kg	14.6	5.79	1	B

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-29 Date Collected: 02/15/21 11:10

Client ID: SB-12 (0-2) Date Received: 02/16/21

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	30		30-150	A
Decachlorobiphenyl	**16**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-29
Client ID: SB-12 (0-2)
Sample Location: BRONX, NY

Date Collected: 02/15/21 11:10
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 02/19/21 18:27
Analyst: AR
Percent Solids: 88%
Methylation Date: 02/19/21 05:54

Extraction Method: EPA 8151A
Extraction Date: 02/18/21 03:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	185	11.7	1	A
2,4,5-T	ND		ug/kg	185	5.74	1	A
2,4,5-TP (Silvex)	ND		ug/kg	185	4.93	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	60		30-150	A
DCAA	56		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-30
Client ID: SB-12 (0-2)_DUP
Sample Location: BRONX, NY

Date Collected: 02/15/21 11:20
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 02/19/21 14:11
Analyst: JJW
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 02/17/21 13:17
Cleanup Method: EPA 3620B
Cleanup Date: 02/18/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.87	0.367	1	B
Lindane	ND		ug/kg	0.781	0.349	1	B
Alpha-BHC	ND		ug/kg	0.781	0.222	1	B
Beta-BHC	ND		ug/kg	1.87	0.710	1	B
Heptachlor	ND		ug/kg	0.937	0.420	1	B
Aldrin	ND		ug/kg	1.87	0.660	1	B
Heptachlor epoxide	ND		ug/kg	3.51	1.05	1	B
Endrin	ND		ug/kg	0.781	0.320	1	B
Endrin aldehyde	ND		ug/kg	2.34	0.820	1	B
Endrin ketone	ND		ug/kg	1.87	0.482	1	B
Dieldrin	ND		ug/kg	1.17	0.586	1	B
4,4'-DDE	1.07	JP	ug/kg	1.87	0.433	1	B
4,4'-DDD	ND		ug/kg	1.87	0.668	1	B
4,4'-DDT	ND		ug/kg	3.51	1.51	1	B
Endosulfan I	ND		ug/kg	1.87	0.443	1	B
Endosulfan II	ND		ug/kg	1.87	0.626	1	B
Endosulfan sulfate	ND		ug/kg	0.781	0.372	1	B
Methoxychlor	ND		ug/kg	3.51	1.09	1	B
Toxaphene	ND		ug/kg	35.1	9.84	1	B
cis-Chlordane	ND		ug/kg	2.34	0.653	1	B
trans-Chlordane	ND		ug/kg	2.34	0.618	1	B
Chlordane	ND		ug/kg	15.6	6.21	1	B

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-30 Date Collected: 02/15/21 11:20

Client ID: SB-12 (0-2)_DUP Date Received: 02/16/21

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	40		30-150	A
Decachlorobiphenyl	31		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	84		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-30
Client ID: SB-12 (0-2)_DUP
Sample Location: BRONX, NY

Date Collected: 02/15/21 11:20
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 02/19/21 18:45
Analyst: AR
Percent Solids: 80%
Methylation Date: 02/19/21 05:54

Extraction Method: EPA 8151A
Extraction Date: 02/18/21 03:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
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	58		30-150	A
DCAA	55		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-31
Client ID: SB-12 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 11:15
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 02/19/21 14:21
Analyst: JJW
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 02/17/21 13:17
Cleanup Method: EPA 3620B
Cleanup Date: 02/18/21

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	0.681	1	A
Heptachlor	ND		ug/kg	0.898	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	0.786	1	A
Endrin ketone	ND		ug/kg	1.80	0.463	1	A
Dieldrin	ND		ug/kg	1.12	0.562	1	A
4,4'-DDE	ND		ug/kg	1.80	0.416	1	A
4,4'-DDD	ND		ug/kg	1.80	0.641	1	A
4,4'-DDT	ND		ug/kg	3.37	1.44	1	A
Endosulfan I	ND		ug/kg	1.80	0.424	1	A
Endosulfan II	ND		ug/kg	1.80	0.600	1	A
Endosulfan sulfate	ND		ug/kg	0.749	0.356	1	A
Methoxychlor	ND		ug/kg	3.37	1.05	1	A
Toxaphene	ND		ug/kg	33.7	9.43	1	A
cis-Chlordane	ND		ug/kg	2.25	0.626	1	A
trans-Chlordane	ND		ug/kg	2.25	0.593	1	A
Chlordane	ND		ug/kg	15.0	5.95	1	A

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-31 Date Collected: 02/15/21 11:15

Client ID: SB-12 (2-3) Date Received: 02/16/21

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	79		30-150	A
Decachlorobiphenyl	91		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	98		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-31
Client ID: SB-12 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 11:15
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 02/21/21 00:05
Analyst: JMC
Percent Solids: 89%
Methylation Date: 02/20/21 12:34

Extraction Method: EPA 8151A
Extraction Date: 02/19/21 10:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
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	5.76	1	A
2,4,5-TP (Silvex)	ND		ug/kg	186	4.94	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	63		30-150	A
DCAA	60		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-32
Client ID: SB-13 (0-2)
Sample Location: BRONX, NY

Date Collected: 02/15/21 10:20
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 02/19/21 15:30
Analyst: SDC
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 02/17/21 13:17
Cleanup Method: EPA 3620B
Cleanup Date: 02/18/21

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	0.638	1	A
Heptachlor	ND		ug/kg	0.842	0.378	1	A
Aldrin	ND		ug/kg	1.68	0.593	1	A
Heptachlor epoxide	ND		ug/kg	3.16	0.947	1	A
Endrin	ND		ug/kg	0.702	0.288	1	A
Endrin aldehyde	ND		ug/kg	2.10	0.737	1	A
Endrin ketone	ND		ug/kg	1.68	0.434	1	A
Dieldrin	ND		ug/kg	1.05	0.526	1	A
4,4'-DDE	ND		ug/kg	1.68	0.389	1	A
4,4'-DDD	ND		ug/kg	1.68	0.601	1	A
4,4'-DDT	ND		ug/kg	3.16	1.35	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	0.982	1	A
Toxaphene	ND		ug/kg	31.6	8.84	1	A
cis-Chlordane	ND		ug/kg	2.10	0.587	1	A
trans-Chlordane	ND		ug/kg	2.10	0.556	1	A
Chlordane	ND		ug/kg	14.0	5.58	1	A

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-32 Date Collected: 02/15/21 10:20

Client ID: SB-13 (0-2) Date Received: 02/16/21

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	A
Decachlorobiphenyl	92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	93		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-32
Client ID: SB-13 (0-2)
Sample Location: BRONX, NY

Date Collected: 02/15/21 10:20
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 02/20/21 17:07
Analyst: JMC
Percent Solids: 90%
Methylation Date: 02/20/21 12:34

Extraction Method: EPA 8151A
Extraction Date: 02/19/21 10:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
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	5.70	1	A
2,4,5-TP (Silvex)	ND		ug/kg	184	4.89	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	61		30-150	A
DCAA	57		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-33
Client ID: SB-13 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 10:25
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 02/19/21 16:01
Analyst: SDC
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 02/17/21 13:17
Cleanup Method: EPA 3620B
Cleanup Date: 02/18/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.67	0.327	1	A
Lindane	ND		ug/kg	0.697	0.311	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	0.940	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	0.430	1	A
Dieldrin	ND		ug/kg	1.04	0.522	1	A
4,4'-DDE	ND		ug/kg	1.67	0.387	1	A
4,4'-DDD	ND		ug/kg	1.67	0.596	1	A
4,4'-DDT	ND		ug/kg	3.14	1.34	1	A
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	0.975	1	A
Toxaphene	ND		ug/kg	31.4	8.78	1	A
cis-Chlordane	ND		ug/kg	2.09	0.582	1	A
trans-Chlordane	ND		ug/kg	2.09	0.552	1	A
Chlordane	ND		ug/kg	13.9	5.54	1	A

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-33 Date Collected: 02/15/21 10:25

Client ID: SB-13 (2-3) Date Received: 02/16/21

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	77		30-150	A
Decachlorobiphenyl	95		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	99		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-33
Client ID: SB-13 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 10:25
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 02/20/21 23:29
Analyst: JMC
Percent Solids: 92%
Methylation Date: 02/20/21 12:34

Extraction Method: EPA 8151A
Extraction Date: 02/19/21 10:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	180	11.4	1	A
2,4,5-T	ND		ug/kg	180	5.59	1	A
2,4,5-TP (Silvex)	ND		ug/kg	180	4.80	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	61		30-150	A
DCAA	61		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-40
Client ID: FIELD BLANK 1
Sample Location: BRONX, NY

Date Collected: 02/15/21 16:30
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 02/18/21 13:39
Analyst: SDC

Extraction Method: EPA 3510C
Extraction Date: 02/17/21 08:04

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: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-40 Date Collected: 02/15/21 16:30

Client ID: FIELD BLANK 1 Date Received: 02/16/21

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	50		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	53		30-150	B
Decachlorobiphenyl	54		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-40
Client ID: FIELD BLANK 1
Sample Location: BRONX, NY

Date Collected: 02/15/21 16:30
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 02/19/21 13:18
Analyst: AR

Extraction Method: EPA 8151A
Extraction Date: 02/18/21 16:12

Methylation Date: 02/19/21 04:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	65		30-150	A
DCAA	58		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-42
Client ID: FIELD BLANK 2
Sample Location: BRONX, NY

Date Collected: 02/16/21 09:20
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 02/18/21 13:50
Analyst: SDC

Extraction Method: EPA 3510C
Extraction Date: 02/17/21 08:04

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: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-42 Date Collected: 02/16/21 09:20

Client ID: FIELD BLANK 2 Date Received: 02/16/21

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	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	56		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-42
Client ID: FIELD BLANK 2
Sample Location: BRONX, NY

Date Collected: 02/16/21 09:20
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 02/19/21 13:54
Analyst: AR

Extraction Method: EPA 8151A
Extraction Date: 02/18/21 16:12

Methylation Date: 02/19/21 04:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	69		30-150	A
DCAA	62		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 02/18/21 09:20
Analyst: EJL

Extraction Method: EPA 8151A
Extraction Date: 02/17/21 00:39

Methylation Date: 02/17/21 19:37

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01,03-08,10-11,13-14,16-17 Batch: WG1465455-1						
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	4.30	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	60		30-150	A
DCAA	58		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 02/17/21 11:34
Analyst: JMC

Extraction Method: EPA 3510C
Extraction Date: 02/17/21 00:46

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 40,42 Batch: WG1465456-1						
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: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 02/17/21 11:34
Analyst: JMC

Extraction Method: EPA 3510C
Extraction Date: 02/17/21 00:46

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 40,42 Batch: WG1465456-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	68		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 02/18/21 13:58
Analyst: SDC

Extraction Method: EPA 3546
Extraction Date: 02/17/21 13:17
Cleanup Method: EPA 3620B
Cleanup Date: 02/18/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 23-24,26-33 Batch: WG1465706-1						
Delta-BHC	ND		ug/kg	1.53	0.300	A
Lindane	ND		ug/kg	0.638	0.285	A
Alpha-BHC	ND		ug/kg	0.638	0.181	A
Beta-BHC	ND		ug/kg	1.53	0.580	A
Heptachlor	ND		ug/kg	0.765	0.343	A
Aldrin	ND		ug/kg	1.53	0.539	A
Heptachlor epoxide	ND		ug/kg	2.87	0.861	A
Endrin	ND		ug/kg	0.638	0.261	A
Endrin aldehyde	ND		ug/kg	1.91	0.670	A
Endrin ketone	ND		ug/kg	1.53	0.394	A
Dieldrin	ND		ug/kg	0.957	0.478	A
4,4'-DDE	ND		ug/kg	1.53	0.354	A
4,4'-DDD	ND		ug/kg	1.53	0.546	A
4,4'-DDT	ND		ug/kg	2.87	1.23	A
Endosulfan I	ND		ug/kg	1.53	0.362	A
Endosulfan II	ND		ug/kg	1.53	0.511	A
Endosulfan sulfate	ND		ug/kg	0.638	0.304	A
Methoxychlor	ND		ug/kg	2.87	0.893	A
Toxaphene	ND		ug/kg	28.7	8.04	A
cis-Chlordane	ND		ug/kg	1.91	0.533	A
trans-Chlordane	ND		ug/kg	1.91	0.505	A
Chlordane	ND		ug/kg	12.8	5.07	A

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 02/18/21 13:58
Analyst: SDC

Extraction Method: EPA 3546
Extraction Date: 02/17/21 13:17
Cleanup Method: EPA 3620B
Cleanup Date: 02/18/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 23-24,26-33 Batch: WG1465706-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	89		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 02/18/21 12:58
Analyst: SDC

Extraction Method: EPA 3546
Extraction Date: 02/17/21 23:48
Cleanup Method: EPA 3620B
Cleanup Date: 02/18/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01,03-08,10-11,13-14,16-17,19-20,22 Batch: WG1465840-1						
Delta-BHC	ND		ug/kg	1.53	0.300	A
Lindane	ND		ug/kg	0.639	0.286	A
Alpha-BHC	ND		ug/kg	0.639	0.181	A
Beta-BHC	ND		ug/kg	1.53	0.581	A
Heptachlor	ND		ug/kg	0.767	0.344	A
Aldrin	ND		ug/kg	1.53	0.540	A
Heptachlor epoxide	ND		ug/kg	2.88	0.863	A
Endrin	ND		ug/kg	0.639	0.262	A
Endrin aldehyde	ND		ug/kg	1.92	0.671	A
Endrin ketone	ND		ug/kg	1.53	0.395	A
Dieldrin	ND		ug/kg	0.958	0.479	A
4,4'-DDE	ND		ug/kg	1.53	0.355	A
4,4'-DDD	ND		ug/kg	1.53	0.547	A
4,4'-DDT	ND		ug/kg	2.88	1.23	A
Endosulfan I	ND		ug/kg	1.53	0.362	A
Endosulfan II	ND		ug/kg	1.53	0.512	A
Endosulfan sulfate	ND		ug/kg	0.639	0.304	A
Methoxychlor	ND		ug/kg	2.88	0.894	A
Toxaphene	ND		ug/kg	28.8	8.05	A
cis-Chlordane	ND		ug/kg	1.92	0.534	A
trans-Chlordane	ND		ug/kg	1.92	0.506	A
Chlordane	ND		ug/kg	12.8	5.08	A

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 02/18/21 12:58
Analyst: SDC

Extraction Method: EPA 3546
Extraction Date: 02/17/21 23:48
Cleanup Method: EPA 3620B
Cleanup Date: 02/18/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01,03-08,10-11,13-14,16-17,19-20,22 Batch: WG1465840-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	86		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 02/19/21 08:45
Analyst: AR

Extraction Method: EPA 8151A
Extraction Date: 02/18/21 03:51

Methylation Date: 02/18/21 20:26

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 19-20,22-24,26-30 Batch: WG1465873-1						
2,4-D	ND		ug/kg	163	10.3	A
2,4,5-T	ND		ug/kg	163	5.05	A
2,4,5-TP (Silvex)	ND		ug/kg	163	4.33	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	62		30-150	A
DCAA	59		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 02/19/21 12:23
Analyst: AR

Extraction Method: EPA 8151A
Extraction Date: 02/18/21 16:12

Methylation Date: 02/19/21 04:46

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 40,42 Batch: WG1466143-1						
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	66		30-150	A
DCAA	60		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 02/20/21 16:12
Analyst: JMC

Extraction Method: EPA 8151A
Extraction Date: 02/19/21 10:25

Methylation Date: 02/20/21 12:34

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 31-33 Batch: WG1466395-1						
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	61		30-150	A
DCAA	55		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354

Report Date: 02/26/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01,03-08,10-11,13-14,16-17 Batch: WG1465455-2 WG1465455-3									
2,4-D	79		91		30-150	14		30	A
2,4,5-T	68		70		30-150	3		30	A
2,4,5-TP (Silvex)	68		66		30-150	3		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	73		73		30-150	A
DCAA	67		63		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 40,42 Batch: WG1465456-2 WG1465456-3									
Delta-BHC	41		43		30-150	3		20	A
Lindane	63		63		30-150	0		20	A
Alpha-BHC	65		66		30-150	1		20	A
Beta-BHC	62		62		30-150	0		20	A
Heptachlor	63		65		30-150	3		20	A
Aldrin	59		61		30-150	3		20	A
Heptachlor epoxide	59		61		30-150	4		20	A
Endrin	64		66		30-150	3		20	A
Endrin aldehyde	56		56		30-150	1		20	A
Endrin ketone	60		61		30-150	1		20	A
Dieldrin	64		65		30-150	2		20	A
4,4'-DDE	59		61		30-150	2		20	A
4,4'-DDD	64		65		30-150	2		20	A
4,4'-DDT	61		62		30-150	2		20	A
Endosulfan I	59		61		30-150	2		20	A
Endosulfan II	62		62		30-150	1		20	A
Endosulfan sulfate	57		58		30-150	2		20	A
Methoxychlor	73		69		30-150	4		20	A
cis-Chlordane	55		56		30-150	3		20	A
trans-Chlordane	58		60		30-150	4		20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354

Report Date: 02/26/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 40,42 Batch: WG1465456-2 WG1465456-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		74		30-150	A
Decachlorobiphenyl	74		76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		74		30-150	B
Decachlorobiphenyl	75		79		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 23-24,26-33 Batch: WG1465706-2 WG1465706-3									
Delta-BHC	69		68		30-150	1		30	A
Lindane	65		67		30-150	3		30	A
Alpha-BHC	68		71		30-150	4		30	A
Beta-BHC	86		84		30-150	2		30	A
Heptachlor	63		63		30-150	0		30	A
Aldrin	60		62		30-150	3		30	A
Heptachlor epoxide	62		60		30-150	3		30	A
Endrin	63		55		30-150	14		30	A
Endrin aldehyde	49		43		30-150	13		30	A
Endrin ketone	62		61		30-150	2		30	A
Dieldrin	65		57		30-150	13		30	A
4,4'-DDE	55		52		30-150	6		30	A
4,4'-DDD	65		57		30-150	13		30	A
4,4'-DDT	64		56		30-150	13		30	A
Endosulfan I	60		54		30-150	11		30	A
Endosulfan II	69		62		30-150	11		30	A
Endosulfan sulfate	49		47		30-150	4		30	A
Methoxychlor	69		63		30-150	9		30	A
cis-Chlordane	60		58		30-150	3		30	A
trans-Chlordane	65		65		30-150	0		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354

Report Date: 02/26/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 23-24,26-33 Batch: WG1465706-2 WG1465706-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		61		30-150	A
Decachlorobiphenyl	67		66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		62		30-150	B
Decachlorobiphenyl	76		76		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01,03-08,10-11,13-14,16-17,19-20,22 Batch: WG1465840-2 WG1465840-3									
Delta-BHC	78		82		30-150	5		30	A
Lindane	82		88		30-150	7		30	A
Alpha-BHC	88		93		30-150	6		30	A
Beta-BHC	79		81		30-150	3		30	A
Heptachlor	86		92		30-150	7		30	A
Aldrin	82		87		30-150	6		30	A
Heptachlor epoxide	77		81		30-150	5		30	A
Endrin	82		88		30-150	7		30	A
Endrin aldehyde	42		44		30-150	5		30	A
Endrin ketone	52		54		30-150	4		30	A
Dieldrin	83		89		30-150	7		30	A
4,4'-DDE	80		85		30-150	6		30	A
4,4'-DDD	83		89		30-150	7		30	A
4,4'-DDT	80		86		30-150	7		30	A
Endosulfan I	77		84		30-150	9		30	A
Endosulfan II	66		69		30-150	4		30	A
Endosulfan sulfate	40		42		30-150	5		30	A
Methoxychlor	75		81		30-150	8		30	A
cis-Chlordane	70		74		30-150	6		30	A
trans-Chlordane	78		83		30-150	6		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354

Report Date: 02/26/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01,03-08,10-11,13-14,16-17,19-20,22 Batch: WG1465840-2 WG1465840-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		89		30-150	A
Decachlorobiphenyl	97		102		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		96		30-150	B
Decachlorobiphenyl	98		103		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354

Report Date: 02/26/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 19-20,22-24,26-30 Batch: WG1465873-2 WG1465873-3									
2,4-D	63		65		30-150	3		30	A
2,4,5-T	57		58		30-150	2		30	A
2,4,5-TP (Silvex)	59		59		30-150	0		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	62		62		30-150	A
DCAA	63		62		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354

Report Date: 02/26/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 40,42 Batch: WG1466143-2 WG1466143-3									
2,4-D	66		66		30-150	0		25	A
2,4,5-T	63		62		30-150	2		25	A
2,4,5-TP (Silvex)	65		64		30-150	2		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	69		67		30-150	A
DCAA	70		70		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354

Report Date: 02/26/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 31-33 Batch: WG1466395-2 WG1466395-3									
2,4-D	66		71		30-150	7		30	A
2,4,5-T	55		59		30-150	7		30	A
2,4,5-TP (Silvex)	56		60		30-150	7		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	57		62		30-150	A
DCAA	53		57		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354

Report Date: 02/26/21

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): 23-24,26-33 QC Batch ID: WG1465706-4 WG1465706-5 QC Sample: L2107354-27 Client ID: SB-11 (0-2)													
Delta-BHC	ND	36.5	13.0	36		9.85	**26**	Q	30-150	28		50	A
Lindane	ND	36.5	22.9	63		24.0	63		30-150	5		50	A
Alpha-BHC	ND	36.5	24.0	66		26.7	70		30-150	11		50	A
Beta-BHC	ND	36.5	24.0	66		25.1	66		30-150	4		50	A
Heptachlor	ND	36.5	25.4	70		26.7	70		30-150	5		50	A
Aldrin	ND	36.5	24.0	66		25.3	66		30-150	5		50	A
Heptachlor epoxide	ND	36.5	24.0	66		24.3	64		30-150	1		50	A
Endrin	ND	36.5	25.4	70		26.4	69		30-150	4		50	A
Endrin aldehyde	ND	36.5	17.2	47		17.7	46		30-150	3		50	A
Endrin ketone	ND	36.5	22.0	60		22.6	59		30-150	3		50	A
Dieldrin	ND	36.5	25.6	70		26.6	70		30-150	4		50	A
4,4'-DDE	0.622J	36.5	32.4	89		33.6	88		30-150	4		50	B
4,4'-DDD	0.951J	36.5	32.9	90		35.0	92		30-150	6		50	B
4,4'-DDT	ND	36.5	26.9	74		27.9	73		30-150	4		50	B
Endosulfan I	ND	36.5	22.1	61		23.4	61		30-150	6		50	A
Endosulfan II	ND	36.5	22.4	61		23.8	62		30-150	6		50	A
Endosulfan sulfate	ND	36.5	17.5	48		18.1	47		30-150	3		50	A
Methoxychlor	ND	36.5	26.1	71		26.8	70		30-150	3		50	A
cis-Chlordane	ND	36.5	21.1	58		21.6	57		30-150	2		50	A
trans-Chlordane	ND	36.5	23.7	65		24.7	65		30-150	4		50	A

Matrix Spike Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354

Report Date: 02/26/21

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): 23-24,26-33 QC Batch ID: WG1465706-4 WG1465706-5 QC Sample: L2107354-27 Client ID: SB-11 (0-2)												

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		66		30-150	A
Decachlorobiphenyl	94		79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	99		82		30-150	B
Decachlorobiphenyl	115		93		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354

Report Date: 02/26/21

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): 23-24,26-33 QC Batch ID: WG1465706-6 WG1465706-7 QC Sample: L2107354-32 Client ID: SB-13 (0-2)													
Delta-BHC	ND	34.9	23.3	67		24.3	70		30-150	4		50	A
Lindane	ND	34.9	23.8	68		25.8	74		30-150	8		50	A
Alpha-BHC	ND	34.9	24.0	69		26.5	76		30-150	10		50	A
Beta-BHC	ND	34.9	22.9	66		25.0	72		30-150	9		50	A
Heptachlor	ND	34.9	24.6	71		24.7	71		30-150	0		50	A
Aldrin	ND	34.9	22.3	64		23.3	67		30-150	4		50	A
Heptachlor epoxide	ND	34.9	21.4	61		23.5	67		30-150	9		50	A
Endrin	ND	34.9	23.8	68		25.4	73		30-150	7		50	A
Endrin aldehyde	ND	34.9	14.4	41		17.7	51		30-150	21		50	A
Endrin ketone	ND	34.9	18.6	53		22.9	66		30-150	21		50	A
Dieldrin	ND	34.9	23.9	69		25.5	73		30-150	6		50	A
4,4'-DDE	ND	34.9	21.8	62		23.0	66		30-150	5		50	A
4,4'-DDD	ND	34.9	24.3	70		25.7	74		30-150	6		50	A
4,4'-DDT	ND	34.9	22.7	65		24.5	70		30-150	8		50	A
Endosulfan I	ND	34.9	21.5	62		22.8	65		30-150	6		50	A
Endosulfan II	ND	34.9	21.1	60		23.7	68		30-150	12		50	A
Endosulfan sulfate	ND	34.9	14.2	41		18.3	53		30-150	25		50	A
Methoxychlor	ND	34.9	24.2	69		27.2	78		30-150	12		50	A
cis-Chlordane	ND	34.9	19.5	56		21.0	60		30-150	7		50	A
trans-Chlordane	ND	34.9	21.9	63		23.8	68		30-150	8		50	A

Matrix Spike Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354

Report Date: 02/26/21

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): 23-24,26-33 QC Batch ID: WG1465706-6 WG1465706-7 QC Sample: L2107354-32 Client ID: SB-13 (0-2)												

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		70		30-150	A
Decachlorobiphenyl	82		91		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		74		30-150	B
Decachlorobiphenyl	82		91		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354

Report Date: 02/26/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 19-20,22-24,26-30 QC Batch ID: WG1465873-4 WG1465873-5 QC Sample: L2107354-27 Client ID: SB-11 (0-2)													
2,4-D	ND	189	112J	59		126J	66		30-150	12		30	A
2,4,5-T	ND	189	102J	54		113J	59		30-150	10		30	A
2,4,5-TP (Silvex)	ND	189	108J	57		120J	63		30-150	11		30	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
DCAA	59		65		30-150	A
DCAA	57		61		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354

Report Date: 02/26/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 31-33 QC Batch ID: WG1466395-4 WG1466395-5 QC Sample: L2107354-32 Client ID: SB-13 (0-2)													
2,4-D	ND	183	130J	71		126J	69		30-150	3		30	A
2,4,5-T	ND	183	114J	62		109J	60		30-150	4		30	A
2,4,5-TP (Silvex)	ND	183	121J	66		118J	65		30-150	3		30	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
DCAA	68		67		30-150	A
DCAA	63		61		30-150	B

METALS

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE
Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-01
Client ID: SB-1 (0-1)
Sample Location: BRONX, NY

Date Collected: 02/15/21 14:15
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4740		mg/kg	10.1	2.74	2	02/18/21 04:40	02/19/21 19:21	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	5.07	0.385	2	02/18/21 04:40	02/19/21 19:21	EPA 3050B	1,6010D	BV
Arsenic, Total	0.790	J	mg/kg	1.01	0.211	2	02/18/21 04:40	02/19/21 19:21	EPA 3050B	1,6010D	BV
Barium, Total	34.7		mg/kg	1.01	0.176	2	02/18/21 04:40	02/19/21 19:21	EPA 3050B	1,6010D	BV
Beryllium, Total	ND		mg/kg	0.507	0.033	2	02/18/21 04:40	02/19/21 19:21	EPA 3050B	1,6010D	BV
Cadmium, Total	0.213	J	mg/kg	1.01	0.099	2	02/18/21 04:40	02/19/21 19:21	EPA 3050B	1,6010D	BV
Calcium, Total	7110		mg/kg	10.1	3.55	2	02/18/21 04:40	02/19/21 19:21	EPA 3050B	1,6010D	BV
Chromium, Total	26.0		mg/kg	1.01	0.097	2	02/18/21 04:40	02/19/21 19:21	EPA 3050B	1,6010D	BV
Cobalt, Total	6.82		mg/kg	2.03	0.168	2	02/18/21 04:40	02/19/21 19:21	EPA 3050B	1,6010D	BV
Copper, Total	15.6		mg/kg	1.01	0.261	2	02/18/21 04:40	02/19/21 19:21	EPA 3050B	1,6010D	BV
Iron, Total	10200		mg/kg	5.07	0.915	2	02/18/21 04:40	02/19/21 19:21	EPA 3050B	1,6010D	BV
Lead, Total	2.82	J	mg/kg	5.07	0.272	2	02/18/21 04:40	02/19/21 19:21	EPA 3050B	1,6010D	BV
Magnesium, Total	7450		mg/kg	10.1	1.56	2	02/18/21 04:40	02/19/21 19:21	EPA 3050B	1,6010D	BV
Manganese, Total	157		mg/kg	1.01	0.161	2	02/18/21 04:40	02/19/21 19:21	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.082	0.053	1	02/18/21 06:20	02/19/21 19:01	EPA 7471B	1,7471B	NB
Nickel, Total	43.2		mg/kg	2.53	0.245	2	02/18/21 04:40	02/19/21 19:21	EPA 3050B	1,6010D	BV
Potassium, Total	1380		mg/kg	253	14.6	2	02/18/21 04:40	02/19/21 19:21	EPA 3050B	1,6010D	BV
Selenium, Total	ND		mg/kg	2.03	0.261	2	02/18/21 04:40	02/19/21 19:21	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	1.01	0.287	2	02/18/21 04:40	02/19/21 19:21	EPA 3050B	1,6010D	BV
Sodium, Total	309		mg/kg	203	3.19	2	02/18/21 04:40	02/19/21 19:21	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	2.03	0.319	2	02/18/21 04:40	02/19/21 19:21	EPA 3050B	1,6010D	BV
Vanadium, Total	20.7		mg/kg	1.01	0.206	2	02/18/21 04:40	02/19/21 19:21	EPA 3050B	1,6010D	BV
Zinc, Total	17.5		mg/kg	5.07	0.297	2	02/18/21 04:40	02/19/21 19:21	EPA 3050B	1,6010D	BV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	26		mg/kg	1.0	1.0	1		02/19/21 19:21	NA	107,-	

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE
Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-03
Client ID: SB-1 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 14:25
Date Received: 02/16/21
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	4250		mg/kg	8.39	2.26	2	02/18/21 04:40	02/19/21 19:26	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	4.20	0.319	2	02/18/21 04:40	02/19/21 19:26	EPA 3050B	1,6010D	BV
Arsenic, Total	0.629	J	mg/kg	0.839	0.174	2	02/18/21 04:40	02/19/21 19:26	EPA 3050B	1,6010D	BV
Barium, Total	32.6		mg/kg	0.839	0.146	2	02/18/21 04:40	02/19/21 19:26	EPA 3050B	1,6010D	BV
Beryllium, Total	ND		mg/kg	0.420	0.028	2	02/18/21 04:40	02/19/21 19:26	EPA 3050B	1,6010D	BV
Cadmium, Total	0.210	J	mg/kg	0.839	0.082	2	02/18/21 04:40	02/19/21 19:26	EPA 3050B	1,6010D	BV
Calcium, Total	7700		mg/kg	8.39	2.94	2	02/18/21 04:40	02/19/21 19:26	EPA 3050B	1,6010D	BV
Chromium, Total	23.4		mg/kg	0.839	0.081	2	02/18/21 04:40	02/19/21 19:26	EPA 3050B	1,6010D	BV
Cobalt, Total	6.33		mg/kg	1.68	0.139	2	02/18/21 04:40	02/19/21 19:26	EPA 3050B	1,6010D	BV
Copper, Total	14.5		mg/kg	0.839	0.216	2	02/18/21 04:40	02/19/21 19:26	EPA 3050B	1,6010D	BV
Iron, Total	10400		mg/kg	4.20	0.758	2	02/18/21 04:40	02/19/21 19:26	EPA 3050B	1,6010D	BV
Lead, Total	1.79	J	mg/kg	4.20	0.225	2	02/18/21 04:40	02/19/21 19:26	EPA 3050B	1,6010D	BV
Magnesium, Total	7420		mg/kg	8.39	1.29	2	02/18/21 04:40	02/19/21 19:26	EPA 3050B	1,6010D	BV
Manganese, Total	151		mg/kg	0.839	0.133	2	02/18/21 04:40	02/19/21 19:26	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.068	0.044	1	02/18/21 06:20	02/19/21 19:04	EPA 7471B	1,7471B	NB
Nickel, Total	46.6		mg/kg	2.10	0.203	2	02/18/21 04:40	02/19/21 19:26	EPA 3050B	1,6010D	BV
Potassium, Total	1320		mg/kg	210	12.1	2	02/18/21 04:40	02/19/21 19:26	EPA 3050B	1,6010D	BV
Selenium, Total	0.344	J	mg/kg	1.68	0.216	2	02/18/21 04:40	02/19/21 19:26	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.839	0.238	2	02/18/21 04:40	02/19/21 19:26	EPA 3050B	1,6010D	BV
Sodium, Total	277		mg/kg	168	2.64	2	02/18/21 04:40	02/19/21 19:26	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.68	0.264	2	02/18/21 04:40	02/19/21 19:26	EPA 3050B	1,6010D	BV
Vanadium, Total	22.1		mg/kg	0.839	0.170	2	02/18/21 04:40	02/19/21 19:26	EPA 3050B	1,6010D	BV
Zinc, Total	14.2		mg/kg	4.20	0.246	2	02/18/21 04:40	02/19/21 19:26	EPA 3050B	1,6010D	BV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	23	J	mg/kg	0.86	0.86	1		02/19/21 19:26	NA	107,-	

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE
Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-04
Client ID: SB-2 (0-2)
Sample Location: BRONX, NY
Date Collected: 02/15/21 10:05
Date Received: 02/16/21
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	5810		mg/kg	9.05	2.44	2	02/18/21 04:40	02/19/21 19:30	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	4.52	0.344	2	02/18/21 04:40	02/19/21 19:30	EPA 3050B	1,6010D	BV
Arsenic, Total	0.697	J	mg/kg	0.905	0.188	2	02/18/21 04:40	02/19/21 19:30	EPA 3050B	1,6010D	BV
Barium, Total	40.6		mg/kg	0.905	0.157	2	02/18/21 04:40	02/19/21 19:30	EPA 3050B	1,6010D	BV
Beryllium, Total	0.054	J	mg/kg	0.452	0.030	2	02/18/21 04:40	02/19/21 19:30	EPA 3050B	1,6010D	BV
Cadmium, Total	0.253	J	mg/kg	0.905	0.089	2	02/18/21 04:40	02/19/21 19:30	EPA 3050B	1,6010D	BV
Calcium, Total	3960		mg/kg	9.05	3.17	2	02/18/21 04:40	02/19/21 19:30	EPA 3050B	1,6010D	BV
Chromium, Total	30.0		mg/kg	0.905	0.087	2	02/18/21 04:40	02/19/21 19:30	EPA 3050B	1,6010D	BV
Cobalt, Total	7.49		mg/kg	1.81	0.150	2	02/18/21 04:40	02/19/21 19:30	EPA 3050B	1,6010D	BV
Copper, Total	15.9		mg/kg	0.905	0.233	2	02/18/21 04:40	02/19/21 19:30	EPA 3050B	1,6010D	BV
Iron, Total	12700		mg/kg	4.52	0.817	2	02/18/21 04:40	02/19/21 19:30	EPA 3050B	1,6010D	BV
Lead, Total	4.60		mg/kg	4.52	0.242	2	02/18/21 04:40	02/19/21 19:30	EPA 3050B	1,6010D	BV
Magnesium, Total	5950		mg/kg	9.05	1.39	2	02/18/21 04:40	02/19/21 19:30	EPA 3050B	1,6010D	BV
Manganese, Total	150		mg/kg	0.905	0.144	2	02/18/21 04:40	02/19/21 19:30	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.073	0.047	1	02/18/21 06:20	02/19/21 19:07	EPA 7471B	1,7471B	NB
Nickel, Total	55.1		mg/kg	2.26	0.219	2	02/18/21 04:40	02/19/21 19:30	EPA 3050B	1,6010D	BV
Potassium, Total	1430		mg/kg	226	13.0	2	02/18/21 04:40	02/19/21 19:30	EPA 3050B	1,6010D	BV
Selenium, Total	ND		mg/kg	1.81	0.233	2	02/18/21 04:40	02/19/21 19:30	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.905	0.256	2	02/18/21 04:40	02/19/21 19:30	EPA 3050B	1,6010D	BV
Sodium, Total	293		mg/kg	181	2.85	2	02/18/21 04:40	02/19/21 19:30	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.81	0.285	2	02/18/21 04:40	02/19/21 19:30	EPA 3050B	1,6010D	BV
Vanadium, Total	20.7		mg/kg	0.905	0.184	2	02/18/21 04:40	02/19/21 19:30	EPA 3050B	1,6010D	BV
Zinc, Total	22.2		mg/kg	4.52	0.265	2	02/18/21 04:40	02/19/21 19:30	EPA 3050B	1,6010D	BV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	30		mg/kg	0.93	0.93	1		02/19/21 19:30	NA	107,-	

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE
Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-05
Client ID: SB-2 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 10:10
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	3500		mg/kg	8.55	2.31	2	02/18/21 04:40	02/19/21 19:53	EPA 3050B	1,6010D	BV
Antimony, Total	2.13	J	mg/kg	4.27	0.325	2	02/18/21 04:40	02/19/21 19:53	EPA 3050B	1,6010D	BV
Arsenic, Total	0.547	J	mg/kg	0.855	0.178	2	02/18/21 04:40	02/19/21 19:53	EPA 3050B	1,6010D	BV
Barium, Total	28.1		mg/kg	0.855	0.149	2	02/18/21 04:40	02/19/21 19:53	EPA 3050B	1,6010D	BV
Beryllium, Total	ND		mg/kg	0.427	0.028	2	02/18/21 04:40	02/19/21 19:53	EPA 3050B	1,6010D	BV
Cadmium, Total	0.188	J	mg/kg	0.855	0.084	2	02/18/21 04:40	02/19/21 19:53	EPA 3050B	1,6010D	BV
Calcium, Total	6000		mg/kg	8.55	2.99	2	02/18/21 04:40	02/19/21 19:53	EPA 3050B	1,6010D	BV
Chromium, Total	19.0		mg/kg	0.855	0.082	2	02/18/21 04:40	02/19/21 19:53	EPA 3050B	1,6010D	BV
Cobalt, Total	5.56		mg/kg	1.71	0.142	2	02/18/21 04:40	02/19/21 19:53	EPA 3050B	1,6010D	BV
Copper, Total	14.4		mg/kg	0.855	0.220	2	02/18/21 04:40	02/19/21 19:53	EPA 3050B	1,6010D	BV
Iron, Total	9340		mg/kg	4.27	0.772	2	02/18/21 04:40	02/19/21 19:53	EPA 3050B	1,6010D	BV
Lead, Total	1.63	J	mg/kg	4.27	0.229	2	02/18/21 04:40	02/19/21 19:53	EPA 3050B	1,6010D	BV
Magnesium, Total	6370		mg/kg	8.55	1.32	2	02/18/21 04:40	02/19/21 19:53	EPA 3050B	1,6010D	BV
Manganese, Total	127		mg/kg	0.855	0.136	2	02/18/21 04:40	02/19/21 19:53	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.069	0.045	1	02/18/21 06:20	02/19/21 19:11	EPA 7471B	1,7471B	NB
Nickel, Total	36.1		mg/kg	2.14	0.207	2	02/18/21 04:40	02/19/21 19:53	EPA 3050B	1,6010D	BV
Potassium, Total	1120		mg/kg	214	12.3	2	02/18/21 04:40	02/19/21 19:53	EPA 3050B	1,6010D	BV
Selenium, Total	0.231	J	mg/kg	1.71	0.220	2	02/18/21 04:40	02/19/21 19:53	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.855	0.242	2	02/18/21 04:40	02/19/21 19:53	EPA 3050B	1,6010D	BV
Sodium, Total	244		mg/kg	171	2.69	2	02/18/21 04:40	02/19/21 19:53	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.71	0.269	2	02/18/21 04:40	02/19/21 19:53	EPA 3050B	1,6010D	BV
Vanadium, Total	17.2		mg/kg	0.855	0.174	2	02/18/21 04:40	02/19/21 19:53	EPA 3050B	1,6010D	BV
Zinc, Total	12.5		mg/kg	4.27	0.250	2	02/18/21 04:40	02/19/21 19:53	EPA 3050B	1,6010D	BV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	19		mg/kg	0.88	0.88	1		02/19/21 19:53	NA	107,-	

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE
Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-06
Client ID: SB-3 (0-2)
Sample Location: BRONX, NY

Date Collected: 02/15/21 11:30
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5140		mg/kg	9.28	2.51	2	02/18/21 04:40	02/19/21 19:58	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	4.64	0.353	2	02/18/21 04:40	02/19/21 19:58	EPA 3050B	1,6010D	BV
Arsenic, Total	0.854	J	mg/kg	0.928	0.193	2	02/18/21 04:40	02/19/21 19:58	EPA 3050B	1,6010D	BV
Barium, Total	37.5		mg/kg	0.928	0.162	2	02/18/21 04:40	02/19/21 19:58	EPA 3050B	1,6010D	BV
Beryllium, Total	ND		mg/kg	0.464	0.031	2	02/18/21 04:40	02/19/21 19:58	EPA 3050B	1,6010D	BV
Cadmium, Total	0.232	J	mg/kg	0.928	0.091	2	02/18/21 04:40	02/19/21 19:58	EPA 3050B	1,6010D	BV
Calcium, Total	4250		mg/kg	9.28	3.25	2	02/18/21 04:40	02/19/21 19:58	EPA 3050B	1,6010D	BV
Chromium, Total	26.9		mg/kg	0.928	0.089	2	02/18/21 04:40	02/19/21 19:58	EPA 3050B	1,6010D	BV
Cobalt, Total	7.57		mg/kg	1.86	0.154	2	02/18/21 04:40	02/19/21 19:58	EPA 3050B	1,6010D	BV
Copper, Total	16.4		mg/kg	0.928	0.240	2	02/18/21 04:40	02/19/21 19:58	EPA 3050B	1,6010D	BV
Iron, Total	11400		mg/kg	4.64	0.838	2	02/18/21 04:40	02/19/21 19:58	EPA 3050B	1,6010D	BV
Lead, Total	2.53	J	mg/kg	4.64	0.249	2	02/18/21 04:40	02/19/21 19:58	EPA 3050B	1,6010D	BV
Magnesium, Total	6660		mg/kg	9.28	1.43	2	02/18/21 04:40	02/19/21 19:58	EPA 3050B	1,6010D	BV
Manganese, Total	176		mg/kg	0.928	0.148	2	02/18/21 04:40	02/19/21 19:58	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.076	0.049	1	02/18/21 06:20	02/19/21 19:14	EPA 7471B	1,7471B	NB
Nickel, Total	54.2		mg/kg	2.32	0.225	2	02/18/21 04:40	02/19/21 19:58	EPA 3050B	1,6010D	BV
Potassium, Total	1510		mg/kg	232	13.4	2	02/18/21 04:40	02/19/21 19:58	EPA 3050B	1,6010D	BV
Selenium, Total	0.306	J	mg/kg	1.86	0.240	2	02/18/21 04:40	02/19/21 19:58	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.928	0.263	2	02/18/21 04:40	02/19/21 19:58	EPA 3050B	1,6010D	BV
Sodium, Total	352		mg/kg	186	2.92	2	02/18/21 04:40	02/19/21 19:58	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.86	0.292	2	02/18/21 04:40	02/19/21 19:58	EPA 3050B	1,6010D	BV
Vanadium, Total	18.9		mg/kg	0.928	0.188	2	02/18/21 04:40	02/19/21 19:58	EPA 3050B	1,6010D	BV
Zinc, Total	17.6		mg/kg	4.64	0.272	2	02/18/21 04:40	02/19/21 19:58	EPA 3050B	1,6010D	BV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	27		mg/kg	0.97	0.97	1		02/19/21 19:58	NA	107,-	

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE
Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-07
Client ID: SB-3 (0-2)_DUP
Sample Location: BRONX, NY
Date Collected: 02/15/21 11:40
Date Received: 02/16/21
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	3280		mg/kg	8.84	2.39	2	02/18/21 04:40	02/19/21 20:02	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	4.42	0.336	2	02/18/21 04:40	02/19/21 20:02	EPA 3050B	1,6010D	BV
Arsenic, Total	0.469	J	mg/kg	0.884	0.184	2	02/18/21 04:40	02/19/21 20:02	EPA 3050B	1,6010D	BV
Barium, Total	21.4		mg/kg	0.884	0.154	2	02/18/21 04:40	02/19/21 20:02	EPA 3050B	1,6010D	BV
Beryllium, Total	ND		mg/kg	0.442	0.029	2	02/18/21 04:40	02/19/21 20:02	EPA 3050B	1,6010D	BV
Cadmium, Total	0.159	J	mg/kg	0.884	0.087	2	02/18/21 04:40	02/19/21 20:02	EPA 3050B	1,6010D	BV
Calcium, Total	4720		mg/kg	8.84	3.09	2	02/18/21 04:40	02/19/21 20:02	EPA 3050B	1,6010D	BV
Chromium, Total	15.6		mg/kg	0.884	0.085	2	02/18/21 04:40	02/19/21 20:02	EPA 3050B	1,6010D	BV
Cobalt, Total	4.17		mg/kg	1.77	0.147	2	02/18/21 04:40	02/19/21 20:02	EPA 3050B	1,6010D	BV
Copper, Total	14.0		mg/kg	0.884	0.228	2	02/18/21 04:40	02/19/21 20:02	EPA 3050B	1,6010D	BV
Iron, Total	7790		mg/kg	4.42	0.798	2	02/18/21 04:40	02/19/21 20:02	EPA 3050B	1,6010D	BV
Lead, Total	1.38	J	mg/kg	4.42	0.237	2	02/18/21 04:40	02/19/21 20:02	EPA 3050B	1,6010D	BV
Magnesium, Total	5510		mg/kg	8.84	1.36	2	02/18/21 04:40	02/19/21 20:02	EPA 3050B	1,6010D	BV
Manganese, Total	97.8		mg/kg	0.884	0.140	2	02/18/21 04:40	02/19/21 20:02	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.073	0.048	1	02/18/21 06:20	02/19/21 19:17	EPA 7471B	1,7471B	NB
Nickel, Total	32.4		mg/kg	2.21	0.214	2	02/18/21 04:40	02/19/21 20:02	EPA 3050B	1,6010D	BV
Potassium, Total	789		mg/kg	221	12.7	2	02/18/21 04:40	02/19/21 20:02	EPA 3050B	1,6010D	BV
Selenium, Total	ND		mg/kg	1.77	0.228	2	02/18/21 04:40	02/19/21 20:02	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.884	0.250	2	02/18/21 04:40	02/19/21 20:02	EPA 3050B	1,6010D	BV
Sodium, Total	303		mg/kg	177	2.78	2	02/18/21 04:40	02/19/21 20:02	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.77	0.278	2	02/18/21 04:40	02/19/21 20:02	EPA 3050B	1,6010D	BV
Vanadium, Total	18.2		mg/kg	0.884	0.180	2	02/18/21 04:40	02/19/21 20:02	EPA 3050B	1,6010D	BV
Zinc, Total	9.88		mg/kg	4.42	0.259	2	02/18/21 04:40	02/19/21 20:02	EPA 3050B	1,6010D	BV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	15	J	mg/kg	0.91	0.91	1		02/19/21 20:02	NA	107,-	

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE
Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-08
Client ID: SB-3 (2-3)
Sample Location: BRONX, NY
Date Collected: 02/15/21 11:35
Date Received: 02/16/21
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	5000		mg/kg	8.80	2.38	2	02/18/21 04:40	02/19/21 20:07	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	4.40	0.334	2	02/18/21 04:40	02/19/21 20:07	EPA 3050B	1,6010D	BV
Arsenic, Total	0.678	J	mg/kg	0.880	0.183	2	02/18/21 04:40	02/19/21 20:07	EPA 3050B	1,6010D	BV
Barium, Total	40.0		mg/kg	0.880	0.153	2	02/18/21 04:40	02/19/21 20:07	EPA 3050B	1,6010D	BV
Beryllium, Total	ND		mg/kg	0.440	0.029	2	02/18/21 04:40	02/19/21 20:07	EPA 3050B	1,6010D	BV
Cadmium, Total	0.229	J	mg/kg	0.880	0.086	2	02/18/21 04:40	02/19/21 20:07	EPA 3050B	1,6010D	BV
Calcium, Total	5670		mg/kg	8.80	3.08	2	02/18/21 04:40	02/19/21 20:07	EPA 3050B	1,6010D	BV
Chromium, Total	23.5		mg/kg	0.880	0.085	2	02/18/21 04:40	02/19/21 20:07	EPA 3050B	1,6010D	BV
Cobalt, Total	6.80		mg/kg	1.76	0.146	2	02/18/21 04:40	02/19/21 20:07	EPA 3050B	1,6010D	BV
Copper, Total	16.7		mg/kg	0.880	0.227	2	02/18/21 04:40	02/19/21 20:07	EPA 3050B	1,6010D	BV
Iron, Total	10900		mg/kg	4.40	0.794	2	02/18/21 04:40	02/19/21 20:07	EPA 3050B	1,6010D	BV
Lead, Total	3.17	J	mg/kg	4.40	0.236	2	02/18/21 04:40	02/19/21 20:07	EPA 3050B	1,6010D	BV
Magnesium, Total	6150		mg/kg	8.80	1.36	2	02/18/21 04:40	02/19/21 20:07	EPA 3050B	1,6010D	BV
Manganese, Total	350		mg/kg	0.880	0.140	2	02/18/21 04:40	02/19/21 20:07	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.071	0.046	1	02/18/21 06:20	02/19/21 19:27	EPA 7471B	1,7471B	NB
Nickel, Total	50.0		mg/kg	2.20	0.213	2	02/18/21 04:40	02/19/21 20:07	EPA 3050B	1,6010D	BV
Potassium, Total	1450		mg/kg	220	12.7	2	02/18/21 04:40	02/19/21 20:07	EPA 3050B	1,6010D	BV
Selenium, Total	0.299	J	mg/kg	1.76	0.227	2	02/18/21 04:40	02/19/21 20:07	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.880	0.249	2	02/18/21 04:40	02/19/21 20:07	EPA 3050B	1,6010D	BV
Sodium, Total	321		mg/kg	176	2.77	2	02/18/21 04:40	02/19/21 20:07	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.76	0.277	2	02/18/21 04:40	02/19/21 20:07	EPA 3050B	1,6010D	BV
Vanadium, Total	17.0		mg/kg	0.880	0.179	2	02/18/21 04:40	02/19/21 20:07	EPA 3050B	1,6010D	BV
Zinc, Total	18.7		mg/kg	4.40	0.258	2	02/18/21 04:40	02/19/21 20:07	EPA 3050B	1,6010D	BV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	24		mg/kg	0.91	0.91	1		02/19/21 20:07	NA	107,-	

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE
Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-10
Client ID: SB-4 (1-2)
Sample Location: BRONX, NY

Date Collected: 02/15/21 13:50
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5180		mg/kg	10.0	2.71	2	02/18/21 04:40	02/19/21 20:11	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	5.01	0.381	2	02/18/21 04:40	02/19/21 20:11	EPA 3050B	1,6010D	BV
Arsenic, Total	2.98		mg/kg	1.00	0.208	2	02/18/21 04:40	02/19/21 20:11	EPA 3050B	1,6010D	BV
Barium, Total	78.4		mg/kg	1.00	0.174	2	02/18/21 04:40	02/19/21 20:11	EPA 3050B	1,6010D	BV
Beryllium, Total	0.040	J	mg/kg	0.501	0.033	2	02/18/21 04:40	02/19/21 20:11	EPA 3050B	1,6010D	BV
Cadmium, Total	0.311	J	mg/kg	1.00	0.098	2	02/18/21 04:40	02/19/21 20:11	EPA 3050B	1,6010D	BV
Calcium, Total	26500		mg/kg	10.0	3.51	2	02/18/21 04:40	02/19/21 20:11	EPA 3050B	1,6010D	BV
Chromium, Total	19.7		mg/kg	1.00	0.096	2	02/18/21 04:40	02/19/21 20:11	EPA 3050B	1,6010D	BV
Cobalt, Total	5.79		mg/kg	2.00	0.166	2	02/18/21 04:40	02/19/21 20:11	EPA 3050B	1,6010D	BV
Copper, Total	15.6		mg/kg	1.00	0.259	2	02/18/21 04:40	02/19/21 20:11	EPA 3050B	1,6010D	BV
Iron, Total	10600		mg/kg	5.01	0.905	2	02/18/21 04:40	02/19/21 20:11	EPA 3050B	1,6010D	BV
Lead, Total	84.8		mg/kg	5.01	0.269	2	02/18/21 04:40	02/19/21 20:11	EPA 3050B	1,6010D	BV
Magnesium, Total	8850		mg/kg	10.0	1.54	2	02/18/21 04:40	02/19/21 20:11	EPA 3050B	1,6010D	BV
Manganese, Total	175		mg/kg	1.00	0.159	2	02/18/21 04:40	02/19/21 20:11	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.081	0.053	1	02/18/21 06:20	02/19/21 19:30	EPA 7471B	1,7471B	NB
Nickel, Total	39.9		mg/kg	2.50	0.242	2	02/18/21 04:40	02/19/21 20:11	EPA 3050B	1,6010D	BV
Potassium, Total	1210		mg/kg	250	14.4	2	02/18/21 04:40	02/19/21 20:11	EPA 3050B	1,6010D	BV
Selenium, Total	0.351	J	mg/kg	2.00	0.259	2	02/18/21 04:40	02/19/21 20:11	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	1.00	0.284	2	02/18/21 04:40	02/19/21 20:11	EPA 3050B	1,6010D	BV
Sodium, Total	313		mg/kg	200	3.16	2	02/18/21 04:40	02/19/21 20:11	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	2.00	0.316	2	02/18/21 04:40	02/19/21 20:11	EPA 3050B	1,6010D	BV
Vanadium, Total	19.1		mg/kg	1.00	0.203	2	02/18/21 04:40	02/19/21 20:11	EPA 3050B	1,6010D	BV
Zinc, Total	40.2		mg/kg	5.01	0.294	2	02/18/21 04:40	02/19/21 20:11	EPA 3050B	1,6010D	BV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	20		mg/kg	1.0	1.0	1		02/19/21 20:11	NA	107,-	

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE
Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-11
Client ID: SB-4 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 13:55
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5260		mg/kg	9.87	2.66	2	02/18/21 04:40	02/19/21 20:16	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	4.93	0.375	2	02/18/21 04:40	02/19/21 20:16	EPA 3050B	1,6010D	BV
Arsenic, Total	0.829	J	mg/kg	0.987	0.205	2	02/18/21 04:40	02/19/21 20:16	EPA 3050B	1,6010D	BV
Barium, Total	37.7		mg/kg	0.987	0.172	2	02/18/21 04:40	02/19/21 20:16	EPA 3050B	1,6010D	BV
Beryllium, Total	ND		mg/kg	0.493	0.033	2	02/18/21 04:40	02/19/21 20:16	EPA 3050B	1,6010D	BV
Cadmium, Total	0.247	J	mg/kg	0.987	0.097	2	02/18/21 04:40	02/19/21 20:16	EPA 3050B	1,6010D	BV
Calcium, Total	7990		mg/kg	9.87	3.45	2	02/18/21 04:40	02/19/21 20:16	EPA 3050B	1,6010D	BV
Chromium, Total	30.0		mg/kg	0.987	0.095	2	02/18/21 04:40	02/19/21 20:16	EPA 3050B	1,6010D	BV
Cobalt, Total	7.68		mg/kg	1.97	0.164	2	02/18/21 04:40	02/19/21 20:16	EPA 3050B	1,6010D	BV
Copper, Total	16.3		mg/kg	0.987	0.254	2	02/18/21 04:40	02/19/21 20:16	EPA 3050B	1,6010D	BV
Iron, Total	12200		mg/kg	4.93	0.891	2	02/18/21 04:40	02/19/21 20:16	EPA 3050B	1,6010D	BV
Lead, Total	1.98	J	mg/kg	4.93	0.264	2	02/18/21 04:40	02/19/21 20:16	EPA 3050B	1,6010D	BV
Magnesium, Total	9390		mg/kg	9.87	1.52	2	02/18/21 04:40	02/19/21 20:16	EPA 3050B	1,6010D	BV
Manganese, Total	170		mg/kg	0.987	0.157	2	02/18/21 04:40	02/19/21 20:16	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.082	0.053	1	02/18/21 06:20	02/19/21 19:34	EPA 7471B	1,7471B	NB
Nickel, Total	60.7		mg/kg	2.47	0.239	2	02/18/21 04:40	02/19/21 20:16	EPA 3050B	1,6010D	BV
Potassium, Total	1570		mg/kg	247	14.2	2	02/18/21 04:40	02/19/21 20:16	EPA 3050B	1,6010D	BV
Selenium, Total	0.335	J	mg/kg	1.97	0.254	2	02/18/21 04:40	02/19/21 20:16	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.987	0.279	2	02/18/21 04:40	02/19/21 20:16	EPA 3050B	1,6010D	BV
Sodium, Total	321		mg/kg	197	3.11	2	02/18/21 04:40	02/19/21 20:16	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.97	0.311	2	02/18/21 04:40	02/19/21 20:16	EPA 3050B	1,6010D	BV
Vanadium, Total	22.4		mg/kg	0.987	0.200	2	02/18/21 04:40	02/19/21 20:16	EPA 3050B	1,6010D	BV
Zinc, Total	18.9		mg/kg	4.93	0.289	2	02/18/21 04:40	02/19/21 20:16	EPA 3050B	1,6010D	BV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	30	J	mg/kg	1.0	1.0	1		02/19/21 20:16	NA	107,-	

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE
Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-13
Client ID: SB-5 (1-2)
Sample Location: BRONX, NY
Date Collected: 02/15/21 14:50
Date Received: 02/16/21
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	4630		mg/kg	9.54	2.57	2	02/18/21 04:40	02/19/21 20:20	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	4.77	0.362	2	02/18/21 04:40	02/19/21 20:20	EPA 3050B	1,6010D	BV
Arsenic, Total	1.10		mg/kg	0.954	0.198	2	02/18/21 04:40	02/19/21 20:20	EPA 3050B	1,6010D	BV
Barium, Total	64.2		mg/kg	0.954	0.166	2	02/18/21 04:40	02/19/21 20:20	EPA 3050B	1,6010D	BV
Beryllium, Total	ND		mg/kg	0.477	0.032	2	02/18/21 04:40	02/19/21 20:20	EPA 3050B	1,6010D	BV
Cadmium, Total	0.267	J	mg/kg	0.954	0.093	2	02/18/21 04:40	02/19/21 20:20	EPA 3050B	1,6010D	BV
Calcium, Total	9840		mg/kg	9.54	3.34	2	02/18/21 04:40	02/19/21 20:20	EPA 3050B	1,6010D	BV
Chromium, Total	26.7		mg/kg	0.954	0.092	2	02/18/21 04:40	02/19/21 20:20	EPA 3050B	1,6010D	BV
Cobalt, Total	6.92		mg/kg	1.91	0.158	2	02/18/21 04:40	02/19/21 20:20	EPA 3050B	1,6010D	BV
Copper, Total	22.2		mg/kg	0.954	0.246	2	02/18/21 04:40	02/19/21 20:20	EPA 3050B	1,6010D	BV
Iron, Total	10900		mg/kg	4.77	0.861	2	02/18/21 04:40	02/19/21 20:20	EPA 3050B	1,6010D	BV
Lead, Total	27.0		mg/kg	4.77	0.256	2	02/18/21 04:40	02/19/21 20:20	EPA 3050B	1,6010D	BV
Magnesium, Total	7440		mg/kg	9.54	1.47	2	02/18/21 04:40	02/19/21 20:20	EPA 3050B	1,6010D	BV
Manganese, Total	160		mg/kg	0.954	0.152	2	02/18/21 04:40	02/19/21 20:20	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.077	0.050	1	02/18/21 06:20	02/19/21 19:37	EPA 7471B	1,7471B	NB
Nickel, Total	52.2		mg/kg	2.38	0.231	2	02/18/21 04:40	02/19/21 20:20	EPA 3050B	1,6010D	BV
Potassium, Total	1370		mg/kg	238	13.7	2	02/18/21 04:40	02/19/21 20:20	EPA 3050B	1,6010D	BV
Selenium, Total	ND		mg/kg	1.91	0.246	2	02/18/21 04:40	02/19/21 20:20	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.954	0.270	2	02/18/21 04:40	02/19/21 20:20	EPA 3050B	1,6010D	BV
Sodium, Total	286		mg/kg	191	3.00	2	02/18/21 04:40	02/19/21 20:20	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.91	0.300	2	02/18/21 04:40	02/19/21 20:20	EPA 3050B	1,6010D	BV
Vanadium, Total	20.3		mg/kg	0.954	0.194	2	02/18/21 04:40	02/19/21 20:20	EPA 3050B	1,6010D	BV
Zinc, Total	103		mg/kg	4.77	0.279	2	02/18/21 04:40	02/19/21 20:20	EPA 3050B	1,6010D	BV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	27		mg/kg	0.98	0.98	1		02/19/21 20:20	NA	107,-	

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE
Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-14
Client ID: SB-5 (2-3)
Sample Location: BRONX, NY
Date Collected: 02/15/21 14:55
Date Received: 02/16/21
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	4430		mg/kg	9.55	2.58	2	02/18/21 04:40	02/19/21 20:25	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	4.77	0.363	2	02/18/21 04:40	02/19/21 20:25	EPA 3050B	1,6010D	BV
Arsenic, Total	0.745	J	mg/kg	0.955	0.198	2	02/18/21 04:40	02/19/21 20:25	EPA 3050B	1,6010D	BV
Barium, Total	37.3		mg/kg	0.955	0.166	2	02/18/21 04:40	02/19/21 20:25	EPA 3050B	1,6010D	BV
Beryllium, Total	ND		mg/kg	0.477	0.032	2	02/18/21 04:40	02/19/21 20:25	EPA 3050B	1,6010D	BV
Cadmium, Total	0.220	J	mg/kg	0.955	0.094	2	02/18/21 04:40	02/19/21 20:25	EPA 3050B	1,6010D	BV
Calcium, Total	7340		mg/kg	9.55	3.34	2	02/18/21 04:40	02/19/21 20:25	EPA 3050B	1,6010D	BV
Chromium, Total	23.8		mg/kg	0.955	0.092	2	02/18/21 04:40	02/19/21 20:25	EPA 3050B	1,6010D	BV
Cobalt, Total	6.57		mg/kg	1.91	0.158	2	02/18/21 04:40	02/19/21 20:25	EPA 3050B	1,6010D	BV
Copper, Total	16.4		mg/kg	0.955	0.246	2	02/18/21 04:40	02/19/21 20:25	EPA 3050B	1,6010D	BV
Iron, Total	10400		mg/kg	4.77	0.862	2	02/18/21 04:40	02/19/21 20:25	EPA 3050B	1,6010D	BV
Lead, Total	5.98		mg/kg	4.77	0.256	2	02/18/21 04:40	02/19/21 20:25	EPA 3050B	1,6010D	BV
Magnesium, Total	7720		mg/kg	9.55	1.47	2	02/18/21 04:40	02/19/21 20:25	EPA 3050B	1,6010D	BV
Manganese, Total	156		mg/kg	0.955	0.152	2	02/18/21 04:40	02/19/21 20:25	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.078	0.051	1	02/18/21 06:20	02/19/21 19:40	EPA 7471B	1,7471B	NB
Nickel, Total	51.6		mg/kg	2.39	0.231	2	02/18/21 04:40	02/19/21 20:25	EPA 3050B	1,6010D	BV
Potassium, Total	1280		mg/kg	239	13.7	2	02/18/21 04:40	02/19/21 20:25	EPA 3050B	1,6010D	BV
Selenium, Total	ND		mg/kg	1.91	0.246	2	02/18/21 04:40	02/19/21 20:25	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.955	0.270	2	02/18/21 04:40	02/19/21 20:25	EPA 3050B	1,6010D	BV
Sodium, Total	290		mg/kg	191	3.01	2	02/18/21 04:40	02/19/21 20:25	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.91	0.301	2	02/18/21 04:40	02/19/21 20:25	EPA 3050B	1,6010D	BV
Vanadium, Total	19.3		mg/kg	0.955	0.194	2	02/18/21 04:40	02/19/21 20:25	EPA 3050B	1,6010D	BV
Zinc, Total	45.0		mg/kg	4.77	0.280	2	02/18/21 04:40	02/19/21 20:25	EPA 3050B	1,6010D	BV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	23	J	mg/kg	0.98	0.99	1		02/19/21 20:25	NA	107,-	

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE
Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-16
Client ID: SB-6 (1-2)
Sample Location: BRONX, NY
Date Collected: 02/15/21 15:05
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5100		mg/kg	10.3	2.78	2	02/18/21 04:40	02/19/21 20:50	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	5.15	0.391	2	02/18/21 04:40	02/19/21 20:50	EPA 3050B	1,6010D	BV
Arsenic, Total	0.752	J	mg/kg	1.03	0.214	2	02/18/21 04:40	02/19/21 20:50	EPA 3050B	1,6010D	BV
Barium, Total	39.8		mg/kg	1.03	0.179	2	02/18/21 04:40	02/19/21 20:50	EPA 3050B	1,6010D	BV
Beryllium, Total	ND		mg/kg	0.515	0.034	2	02/18/21 04:40	02/19/21 20:50	EPA 3050B	1,6010D	BV
Cadmium, Total	0.227	J	mg/kg	1.03	0.101	2	02/18/21 04:40	02/19/21 20:50	EPA 3050B	1,6010D	BV
Calcium, Total	8110		mg/kg	10.3	3.60	2	02/18/21 04:40	02/19/21 20:50	EPA 3050B	1,6010D	BV
Chromium, Total	34.4		mg/kg	1.03	0.099	2	02/18/21 04:40	02/19/21 20:50	EPA 3050B	1,6010D	BV
Cobalt, Total	7.12		mg/kg	2.06	0.171	2	02/18/21 04:40	02/19/21 20:50	EPA 3050B	1,6010D	BV
Copper, Total	18.3		mg/kg	1.03	0.266	2	02/18/21 04:40	02/19/21 20:50	EPA 3050B	1,6010D	BV
Iron, Total	11100		mg/kg	5.15	0.930	2	02/18/21 04:40	02/19/21 20:50	EPA 3050B	1,6010D	BV
Lead, Total	2.03	J	mg/kg	5.15	0.276	2	02/18/21 04:40	02/19/21 20:50	EPA 3050B	1,6010D	BV
Magnesium, Total	7560		mg/kg	10.3	1.59	2	02/18/21 04:40	02/19/21 20:50	EPA 3050B	1,6010D	BV
Manganese, Total	161		mg/kg	1.03	0.164	2	02/18/21 04:40	02/19/21 20:50	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.083	0.054	1	02/18/21 06:20	02/19/21 19:44	EPA 7471B	1,7471B	NB
Nickel, Total	39.4		mg/kg	2.58	0.249	2	02/18/21 04:40	02/19/21 20:50	EPA 3050B	1,6010D	BV
Potassium, Total	1590		mg/kg	258	14.8	2	02/18/21 04:40	02/19/21 20:50	EPA 3050B	1,6010D	BV
Selenium, Total	ND		mg/kg	2.06	0.266	2	02/18/21 04:40	02/19/21 20:50	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	1.03	0.292	2	02/18/21 04:40	02/19/21 20:50	EPA 3050B	1,6010D	BV
Sodium, Total	316		mg/kg	206	3.24	2	02/18/21 04:40	02/19/21 20:50	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	2.06	0.324	2	02/18/21 04:40	02/19/21 20:50	EPA 3050B	1,6010D	BV
Vanadium, Total	21.2		mg/kg	1.03	0.209	2	02/18/21 04:40	02/19/21 20:50	EPA 3050B	1,6010D	BV
Zinc, Total	16.6		mg/kg	5.15	0.302	2	02/18/21 04:40	02/19/21 20:50	EPA 3050B	1,6010D	BV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	34	J	mg/kg	1.0	1.1	1		02/19/21 20:50	NA	107,-	

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE
Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-17
Client ID: SB-6 (2-3)
Sample Location: BRONX, NY
Date Collected: 02/15/21 15:10
Date Received: 02/16/21
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	4230		mg/kg	8.59	2.32	2	02/18/21 04:40	02/19/21 20:54	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	4.30	0.326	2	02/18/21 04:40	02/19/21 20:54	EPA 3050B	1,6010D	BV
Arsenic, Total	0.421	J	mg/kg	0.859	0.179	2	02/18/21 04:40	02/19/21 20:54	EPA 3050B	1,6010D	BV
Barium, Total	31.0		mg/kg	0.859	0.149	2	02/18/21 04:40	02/19/21 20:54	EPA 3050B	1,6010D	BV
Beryllium, Total	ND		mg/kg	0.430	0.028	2	02/18/21 04:40	02/19/21 20:54	EPA 3050B	1,6010D	BV
Cadmium, Total	0.189	J	mg/kg	0.859	0.084	2	02/18/21 04:40	02/19/21 20:54	EPA 3050B	1,6010D	BV
Calcium, Total	6210		mg/kg	8.59	3.01	2	02/18/21 04:40	02/19/21 20:54	EPA 3050B	1,6010D	BV
Chromium, Total	20.0		mg/kg	0.859	0.083	2	02/18/21 04:40	02/19/21 20:54	EPA 3050B	1,6010D	BV
Cobalt, Total	6.80		mg/kg	1.72	0.143	2	02/18/21 04:40	02/19/21 20:54	EPA 3050B	1,6010D	BV
Copper, Total	16.9		mg/kg	0.859	0.222	2	02/18/21 04:40	02/19/21 20:54	EPA 3050B	1,6010D	BV
Iron, Total	9290		mg/kg	4.30	0.776	2	02/18/21 04:40	02/19/21 20:54	EPA 3050B	1,6010D	BV
Lead, Total	1.53	J	mg/kg	4.30	0.230	2	02/18/21 04:40	02/19/21 20:54	EPA 3050B	1,6010D	BV
Magnesium, Total	6960		mg/kg	8.59	1.32	2	02/18/21 04:40	02/19/21 20:54	EPA 3050B	1,6010D	BV
Manganese, Total	132		mg/kg	0.859	0.137	2	02/18/21 04:40	02/19/21 20:54	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.069	0.045	1	02/18/21 06:20	02/19/21 19:47	EPA 7471B	1,7471B	NB
Nickel, Total	45.0		mg/kg	2.15	0.208	2	02/18/21 04:40	02/19/21 20:54	EPA 3050B	1,6010D	BV
Potassium, Total	1110		mg/kg	215	12.4	2	02/18/21 04:40	02/19/21 20:54	EPA 3050B	1,6010D	BV
Selenium, Total	ND		mg/kg	1.72	0.222	2	02/18/21 04:40	02/19/21 20:54	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.859	0.243	2	02/18/21 04:40	02/19/21 20:54	EPA 3050B	1,6010D	BV
Sodium, Total	308		mg/kg	172	2.71	2	02/18/21 04:40	02/19/21 20:54	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.72	0.271	2	02/18/21 04:40	02/19/21 20:54	EPA 3050B	1,6010D	BV
Vanadium, Total	18.4		mg/kg	0.859	0.174	2	02/18/21 04:40	02/19/21 20:54	EPA 3050B	1,6010D	BV
Zinc, Total	13.0		mg/kg	4.30	0.252	2	02/18/21 04:40	02/19/21 20:54	EPA 3050B	1,6010D	BV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	20		mg/kg	0.87	0.87	1		02/19/21 20:54	NA	107,-	

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE
Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-19
Client ID: SB-7 (1-2)
Sample Location: BRONX, NY
Date Collected: 02/15/21 14:05
Date Received: 02/16/21
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	5260		mg/kg	9.34	2.52	2	02/18/21 04:40	02/19/21 20:59	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	4.67	0.355	2	02/18/21 04:40	02/19/21 20:59	EPA 3050B	1,6010D	BV
Arsenic, Total	0.728	J	mg/kg	0.934	0.194	2	02/18/21 04:40	02/19/21 20:59	EPA 3050B	1,6010D	BV
Barium, Total	43.4		mg/kg	0.934	0.162	2	02/18/21 04:40	02/19/21 20:59	EPA 3050B	1,6010D	BV
Beryllium, Total	ND		mg/kg	0.467	0.031	2	02/18/21 04:40	02/19/21 20:59	EPA 3050B	1,6010D	BV
Cadmium, Total	0.243	J	mg/kg	0.934	0.092	2	02/18/21 04:40	02/19/21 20:59	EPA 3050B	1,6010D	BV
Calcium, Total	6790		mg/kg	9.34	3.27	2	02/18/21 04:40	02/19/21 20:59	EPA 3050B	1,6010D	BV
Chromium, Total	29.3		mg/kg	0.934	0.090	2	02/18/21 04:40	02/19/21 20:59	EPA 3050B	1,6010D	BV
Cobalt, Total	7.49		mg/kg	1.87	0.155	2	02/18/21 04:40	02/19/21 20:59	EPA 3050B	1,6010D	BV
Copper, Total	19.8		mg/kg	0.934	0.241	2	02/18/21 04:40	02/19/21 20:59	EPA 3050B	1,6010D	BV
Iron, Total	11200		mg/kg	4.67	0.843	2	02/18/21 04:40	02/19/21 20:59	EPA 3050B	1,6010D	BV
Lead, Total	6.41		mg/kg	4.67	0.250	2	02/18/21 04:40	02/19/21 20:59	EPA 3050B	1,6010D	BV
Magnesium, Total	8190		mg/kg	9.34	1.44	2	02/18/21 04:40	02/19/21 20:59	EPA 3050B	1,6010D	BV
Manganese, Total	158		mg/kg	0.934	0.148	2	02/18/21 04:40	02/19/21 20:59	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.078	0.051	1	02/18/21 06:20	02/19/21 19:50	EPA 7471B	1,7471B	NB
Nickel, Total	54.0		mg/kg	2.34	0.226	2	02/18/21 04:40	02/19/21 20:59	EPA 3050B	1,6010D	BV
Potassium, Total	1510		mg/kg	234	13.4	2	02/18/21 04:40	02/19/21 20:59	EPA 3050B	1,6010D	BV
Selenium, Total	0.374	J	mg/kg	1.87	0.241	2	02/18/21 04:40	02/19/21 20:59	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.934	0.264	2	02/18/21 04:40	02/19/21 20:59	EPA 3050B	1,6010D	BV
Sodium, Total	342		mg/kg	187	2.94	2	02/18/21 04:40	02/19/21 20:59	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.87	0.294	2	02/18/21 04:40	02/19/21 20:59	EPA 3050B	1,6010D	BV
Vanadium, Total	22.9		mg/kg	0.934	0.190	2	02/18/21 04:40	02/19/21 20:59	EPA 3050B	1,6010D	BV
Zinc, Total	24.8		mg/kg	4.67	0.274	2	02/18/21 04:40	02/19/21 20:59	EPA 3050B	1,6010D	BV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	29		mg/kg	0.99	0.99	1		02/19/21 20:59	NA	107,-	

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE
Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-20
Client ID: SB-7 (2-3)
Sample Location: BRONX, NY
Date Collected: 02/15/21 14:10
Date Received: 02/16/21
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	3670		mg/kg	8.68	2.34	2	02/18/21 04:40	02/19/21 21:03	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	4.34	0.330	2	02/18/21 04:40	02/19/21 21:03	EPA 3050B	1,6010D	BV
Arsenic, Total	0.373	J	mg/kg	0.868	0.180	2	02/18/21 04:40	02/19/21 21:03	EPA 3050B	1,6010D	BV
Barium, Total	27.5		mg/kg	0.868	0.151	2	02/18/21 04:40	02/19/21 21:03	EPA 3050B	1,6010D	BV
Beryllium, Total	ND		mg/kg	0.434	0.029	2	02/18/21 04:40	02/19/21 21:03	EPA 3050B	1,6010D	BV
Cadmium, Total	0.174	J	mg/kg	0.868	0.085	2	02/18/21 04:40	02/19/21 21:03	EPA 3050B	1,6010D	BV
Calcium, Total	5840		mg/kg	8.68	3.04	2	02/18/21 04:40	02/19/21 21:03	EPA 3050B	1,6010D	BV
Chromium, Total	19.6		mg/kg	0.868	0.083	2	02/18/21 04:40	02/19/21 21:03	EPA 3050B	1,6010D	BV
Cobalt, Total	5.88		mg/kg	1.74	0.144	2	02/18/21 04:40	02/19/21 21:03	EPA 3050B	1,6010D	BV
Copper, Total	13.6		mg/kg	0.868	0.224	2	02/18/21 04:40	02/19/21 21:03	EPA 3050B	1,6010D	BV
Iron, Total	8640		mg/kg	4.34	0.783	2	02/18/21 04:40	02/19/21 21:03	EPA 3050B	1,6010D	BV
Lead, Total	1.50	J	mg/kg	4.34	0.232	2	02/18/21 04:40	02/19/21 21:03	EPA 3050B	1,6010D	BV
Magnesium, Total	6960		mg/kg	8.68	1.34	2	02/18/21 04:40	02/19/21 21:03	EPA 3050B	1,6010D	BV
Manganese, Total	132		mg/kg	0.868	0.138	2	02/18/21 04:40	02/19/21 21:03	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.070	0.045	1	02/18/21 06:20	02/19/21 19:54	EPA 7471B	1,7471B	NB
Nickel, Total	45.2		mg/kg	2.17	0.210	2	02/18/21 04:40	02/19/21 21:03	EPA 3050B	1,6010D	BV
Potassium, Total	1070		mg/kg	217	12.5	2	02/18/21 04:40	02/19/21 21:03	EPA 3050B	1,6010D	BV
Selenium, Total	ND		mg/kg	1.74	0.224	2	02/18/21 04:40	02/19/21 21:03	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.868	0.246	2	02/18/21 04:40	02/19/21 21:03	EPA 3050B	1,6010D	BV
Sodium, Total	250		mg/kg	174	2.73	2	02/18/21 04:40	02/19/21 21:03	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.74	0.273	2	02/18/21 04:40	02/19/21 21:03	EPA 3050B	1,6010D	BV
Vanadium, Total	16.8		mg/kg	0.868	0.176	2	02/18/21 04:40	02/19/21 21:03	EPA 3050B	1,6010D	BV
Zinc, Total	12.1		mg/kg	4.34	0.254	2	02/18/21 04:40	02/19/21 21:03	EPA 3050B	1,6010D	BV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	19	J	mg/kg	0.88	0.89	1		02/19/21 21:03	NA	107,-	

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE
Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-22
Client ID: SB-8 (1-2)
Sample Location: BRONX, NY
Date Collected: 02/15/21 13:25
Date Received: 02/16/21
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	6800		mg/kg	8.42	2.27	2	02/18/21 04:40	02/19/21 21:08	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	4.21	0.320	2	02/18/21 04:40	02/19/21 21:08	EPA 3050B	1,6010D	BV
Arsenic, Total	1.16		mg/kg	0.842	0.175	2	02/18/21 04:40	02/19/21 21:08	EPA 3050B	1,6010D	BV
Barium, Total	61.9		mg/kg	0.842	0.146	2	02/18/21 04:40	02/19/21 21:08	EPA 3050B	1,6010D	BV
Beryllium, Total	ND		mg/kg	0.421	0.028	2	02/18/21 04:40	02/19/21 21:08	EPA 3050B	1,6010D	BV
Cadmium, Total	0.269	J	mg/kg	0.842	0.083	2	02/18/21 04:40	02/19/21 21:08	EPA 3050B	1,6010D	BV
Calcium, Total	6250		mg/kg	8.42	2.95	2	02/18/21 04:40	02/19/21 21:08	EPA 3050B	1,6010D	BV
Chromium, Total	24.9		mg/kg	0.842	0.081	2	02/18/21 04:40	02/19/21 21:08	EPA 3050B	1,6010D	BV
Cobalt, Total	8.64		mg/kg	1.68	0.140	2	02/18/21 04:40	02/19/21 21:08	EPA 3050B	1,6010D	BV
Copper, Total	23.3		mg/kg	0.842	0.217	2	02/18/21 04:40	02/19/21 21:08	EPA 3050B	1,6010D	BV
Iron, Total	12400		mg/kg	4.21	0.760	2	02/18/21 04:40	02/19/21 21:08	EPA 3050B	1,6010D	BV
Lead, Total	6.73		mg/kg	4.21	0.226	2	02/18/21 04:40	02/19/21 21:08	EPA 3050B	1,6010D	BV
Magnesium, Total	6590		mg/kg	8.42	1.30	2	02/18/21 04:40	02/19/21 21:08	EPA 3050B	1,6010D	BV
Manganese, Total	141		mg/kg	0.842	0.134	2	02/18/21 04:40	02/19/21 21:08	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.068	0.044	1	02/18/21 06:20	02/19/21 19:57	EPA 7471B	1,7471B	NB
Nickel, Total	36.2		mg/kg	2.10	0.204	2	02/18/21 04:40	02/19/21 21:08	EPA 3050B	1,6010D	BV
Potassium, Total	2240		mg/kg	210	12.1	2	02/18/21 04:40	02/19/21 21:08	EPA 3050B	1,6010D	BV
Selenium, Total	ND		mg/kg	1.68	0.217	2	02/18/21 04:40	02/19/21 21:08	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.842	0.238	2	02/18/21 04:40	02/19/21 21:08	EPA 3050B	1,6010D	BV
Sodium, Total	301		mg/kg	168	2.65	2	02/18/21 04:40	02/19/21 21:08	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.68	0.265	2	02/18/21 04:40	02/19/21 21:08	EPA 3050B	1,6010D	BV
Vanadium, Total	25.4		mg/kg	0.842	0.171	2	02/18/21 04:40	02/19/21 21:08	EPA 3050B	1,6010D	BV
Zinc, Total	34.0		mg/kg	4.21	0.247	2	02/18/21 04:40	02/19/21 21:08	EPA 3050B	1,6010D	BV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	25	J	mg/kg	0.87	0.87	1		02/19/21 21:08	NA	107,-	

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE
Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-23
Client ID: SB-8 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 13:30
Date Received: 02/16/21
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	5080		mg/kg	8.70	2.35	2	02/18/21 04:40	02/19/21 21:12	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	4.35	0.330	2	02/18/21 04:40	02/19/21 21:12	EPA 3050B	1,6010D	BV
Arsenic, Total	1.21		mg/kg	0.870	0.181	2	02/18/21 04:40	02/19/21 21:12	EPA 3050B	1,6010D	BV
Barium, Total	38.1		mg/kg	0.870	0.151	2	02/18/21 04:40	02/19/21 21:12	EPA 3050B	1,6010D	BV
Beryllium, Total	ND		mg/kg	0.435	0.029	2	02/18/21 04:40	02/19/21 21:12	EPA 3050B	1,6010D	BV
Cadmium, Total	0.226	J	mg/kg	0.870	0.085	2	02/18/21 04:40	02/19/21 21:12	EPA 3050B	1,6010D	BV
Calcium, Total	6410		mg/kg	8.70	3.04	2	02/18/21 04:40	02/19/21 21:12	EPA 3050B	1,6010D	BV
Chromium, Total	26.4		mg/kg	0.870	0.084	2	02/18/21 04:40	02/19/21 21:12	EPA 3050B	1,6010D	BV
Cobalt, Total	7.42		mg/kg	1.74	0.144	2	02/18/21 04:40	02/19/21 21:12	EPA 3050B	1,6010D	BV
Copper, Total	15.9		mg/kg	0.870	0.224	2	02/18/21 04:40	02/19/21 21:12	EPA 3050B	1,6010D	BV
Iron, Total	11000		mg/kg	4.35	0.786	2	02/18/21 04:40	02/19/21 21:12	EPA 3050B	1,6010D	BV
Lead, Total	2.37	J	mg/kg	4.35	0.233	2	02/18/21 04:40	02/19/21 21:12	EPA 3050B	1,6010D	BV
Magnesium, Total	8760		mg/kg	8.70	1.34	2	02/18/21 04:40	02/19/21 21:12	EPA 3050B	1,6010D	BV
Manganese, Total	149		mg/kg	0.870	0.138	2	02/18/21 04:40	02/19/21 21:12	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.072	0.047	1	02/18/21 06:20	02/19/21 20:07	EPA 7471B	1,7471B	NB
Nickel, Total	62.5		mg/kg	2.17	0.210	2	02/18/21 04:40	02/19/21 21:12	EPA 3050B	1,6010D	BV
Potassium, Total	1520		mg/kg	217	12.5	2	02/18/21 04:40	02/19/21 21:12	EPA 3050B	1,6010D	BV
Selenium, Total	ND		mg/kg	1.74	0.224	2	02/18/21 04:40	02/19/21 21:12	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.870	0.246	2	02/18/21 04:40	02/19/21 21:12	EPA 3050B	1,6010D	BV
Sodium, Total	310		mg/kg	174	2.74	2	02/18/21 04:40	02/19/21 21:12	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.74	0.274	2	02/18/21 04:40	02/19/21 21:12	EPA 3050B	1,6010D	BV
Vanadium, Total	19.0		mg/kg	0.870	0.176	2	02/18/21 04:40	02/19/21 21:12	EPA 3050B	1,6010D	BV
Zinc, Total	16.6		mg/kg	4.35	0.255	2	02/18/21 04:40	02/19/21 21:12	EPA 3050B	1,6010D	BV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	26		mg/kg	0.92	0.93	1		02/19/21 21:12	NA	107,-	

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE
Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-24
Client ID: SB-9 (0-1)
Sample Location: BRONX, NY
Date Collected: 02/15/21 15:30
Date Received: 02/16/21
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	5320		mg/kg	9.61	2.59	2	02/18/21 04:40	02/19/21 21:17	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	4.80	0.365	2	02/18/21 04:40	02/19/21 21:17	EPA 3050B	1,6010D	BV
Arsenic, Total	0.596	J	mg/kg	0.961	0.200	2	02/18/21 04:40	02/19/21 21:17	EPA 3050B	1,6010D	BV
Barium, Total	41.5		mg/kg	0.961	0.167	2	02/18/21 04:40	02/19/21 21:17	EPA 3050B	1,6010D	BV
Beryllium, Total	ND		mg/kg	0.480	0.032	2	02/18/21 04:40	02/19/21 21:17	EPA 3050B	1,6010D	BV
Cadmium, Total	0.240	J	mg/kg	0.961	0.094	2	02/18/21 04:40	02/19/21 21:17	EPA 3050B	1,6010D	BV
Calcium, Total	7420		mg/kg	9.61	3.36	2	02/18/21 04:40	02/19/21 21:17	EPA 3050B	1,6010D	BV
Chromium, Total	30.4		mg/kg	0.961	0.092	2	02/18/21 04:40	02/19/21 21:17	EPA 3050B	1,6010D	BV
Cobalt, Total	7.62		mg/kg	1.92	0.159	2	02/18/21 04:40	02/19/21 21:17	EPA 3050B	1,6010D	BV
Copper, Total	18.3		mg/kg	0.961	0.248	2	02/18/21 04:40	02/19/21 21:17	EPA 3050B	1,6010D	BV
Iron, Total	11600		mg/kg	4.80	0.867	2	02/18/21 04:40	02/19/21 21:17	EPA 3050B	1,6010D	BV
Lead, Total	4.37	J	mg/kg	4.80	0.257	2	02/18/21 04:40	02/19/21 21:17	EPA 3050B	1,6010D	BV
Magnesium, Total	8650		mg/kg	9.61	1.48	2	02/18/21 04:40	02/19/21 21:17	EPA 3050B	1,6010D	BV
Manganese, Total	169		mg/kg	0.961	0.153	2	02/18/21 04:40	02/19/21 21:17	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.080	0.052	1	02/18/21 06:20	02/19/21 20:10	EPA 7471B	1,7471B	NB
Nickel, Total	57.4		mg/kg	2.40	0.232	2	02/18/21 04:40	02/19/21 21:17	EPA 3050B	1,6010D	BV
Potassium, Total	1660		mg/kg	240	13.8	2	02/18/21 04:40	02/19/21 21:17	EPA 3050B	1,6010D	BV
Selenium, Total	ND		mg/kg	1.92	0.248	2	02/18/21 04:40	02/19/21 21:17	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.961	0.272	2	02/18/21 04:40	02/19/21 21:17	EPA 3050B	1,6010D	BV
Sodium, Total	329		mg/kg	192	3.03	2	02/18/21 04:40	02/19/21 21:17	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.92	0.303	2	02/18/21 04:40	02/19/21 21:17	EPA 3050B	1,6010D	BV
Vanadium, Total	22.4		mg/kg	0.961	0.195	2	02/18/21 04:40	02/19/21 21:17	EPA 3050B	1,6010D	BV
Zinc, Total	23.4		mg/kg	4.80	0.281	2	02/18/21 04:40	02/19/21 21:17	EPA 3050B	1,6010D	BV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	30		mg/kg	1.0	1.0	1		02/19/21 21:17	NA	107,-	

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE
Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-26
Client ID: SB-9 (2-3)
Sample Location: BRONX, NY
Date Collected: 02/15/21 15:40
Date Received: 02/16/21
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	4170		mg/kg	9.29	2.51	2	02/18/21 04:40	02/19/21 21:21	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	4.64	0.353	2	02/18/21 04:40	02/19/21 21:21	EPA 3050B	1,6010D	BV
Arsenic, Total	0.399	J	mg/kg	0.929	0.193	2	02/18/21 04:40	02/19/21 21:21	EPA 3050B	1,6010D	BV
Barium, Total	30.2		mg/kg	0.929	0.162	2	02/18/21 04:40	02/19/21 21:21	EPA 3050B	1,6010D	BV
Beryllium, Total	ND		mg/kg	0.464	0.031	2	02/18/21 04:40	02/19/21 21:21	EPA 3050B	1,6010D	BV
Cadmium, Total	0.204	J	mg/kg	0.929	0.091	2	02/18/21 04:40	02/19/21 21:21	EPA 3050B	1,6010D	BV
Calcium, Total	6860		mg/kg	9.29	3.25	2	02/18/21 04:40	02/19/21 21:21	EPA 3050B	1,6010D	BV
Chromium, Total	22.6		mg/kg	0.929	0.089	2	02/18/21 04:40	02/19/21 21:21	EPA 3050B	1,6010D	BV
Cobalt, Total	7.61		mg/kg	1.86	0.154	2	02/18/21 04:40	02/19/21 21:21	EPA 3050B	1,6010D	BV
Copper, Total	17.0		mg/kg	0.929	0.240	2	02/18/21 04:40	02/19/21 21:21	EPA 3050B	1,6010D	BV
Iron, Total	10100		mg/kg	4.64	0.838	2	02/18/21 04:40	02/19/21 21:21	EPA 3050B	1,6010D	BV
Lead, Total	1.91	J	mg/kg	4.64	0.249	2	02/18/21 04:40	02/19/21 21:21	EPA 3050B	1,6010D	BV
Magnesium, Total	9630		mg/kg	9.29	1.43	2	02/18/21 04:40	02/19/21 21:21	EPA 3050B	1,6010D	BV
Manganese, Total	138		mg/kg	0.929	0.148	2	02/18/21 04:40	02/19/21 21:21	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.075	0.049	1	02/18/21 06:20	02/19/21 20:13	EPA 7471B	1,7471B	NB
Nickel, Total	69.9		mg/kg	2.32	0.225	2	02/18/21 04:40	02/19/21 21:21	EPA 3050B	1,6010D	BV
Potassium, Total	1220		mg/kg	232	13.4	2	02/18/21 04:40	02/19/21 21:21	EPA 3050B	1,6010D	BV
Selenium, Total	ND		mg/kg	1.86	0.240	2	02/18/21 04:40	02/19/21 21:21	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.929	0.263	2	02/18/21 04:40	02/19/21 21:21	EPA 3050B	1,6010D	BV
Sodium, Total	288		mg/kg	186	2.92	2	02/18/21 04:40	02/19/21 21:21	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.86	0.292	2	02/18/21 04:40	02/19/21 21:21	EPA 3050B	1,6010D	BV
Vanadium, Total	20.4		mg/kg	0.929	0.188	2	02/18/21 04:40	02/19/21 21:21	EPA 3050B	1,6010D	BV
Zinc, Total	14.8		mg/kg	4.64	0.272	2	02/18/21 04:40	02/19/21 21:21	EPA 3050B	1,6010D	BV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	22	J	mg/kg	0.95	0.95	1		02/19/21 21:21	NA	107,-	

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE
Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-27
Client ID: SB-11 (0-2)
Sample Location: BRONX, NY

Date Collected: 02/15/21 11:55
Date Received: 02/16/21
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	4280		mg/kg	8.98	2.42	2	02/18/21 04:40	02/19/21 19:03	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	4.49	0.341	2	02/18/21 04:40	02/19/21 19:03	EPA 3050B	1,6010D	BV
Arsenic, Total	3.81		mg/kg	0.898	0.187	2	02/18/21 04:40	02/19/21 19:03	EPA 3050B	1,6010D	BV
Barium, Total	59.8		mg/kg	0.898	0.156	2	02/18/21 04:40	02/19/21 19:03	EPA 3050B	1,6010D	BV
Beryllium, Total	0.180	J	mg/kg	0.449	0.030	2	02/18/21 04:40	02/19/21 19:03	EPA 3050B	1,6010D	BV
Cadmium, Total	0.287	J	mg/kg	0.898	0.088	2	02/18/21 04:40	02/19/21 19:03	EPA 3050B	1,6010D	BV
Calcium, Total	14500		mg/kg	8.98	3.14	2	02/18/21 04:40	02/19/21 19:03	EPA 3050B	1,6010D	BV
Chromium, Total	21.4		mg/kg	0.898	0.086	2	02/18/21 04:40	02/19/21 19:03	EPA 3050B	1,6010D	BV
Cobalt, Total	5.07		mg/kg	1.80	0.149	2	02/18/21 04:40	02/19/21 19:03	EPA 3050B	1,6010D	BV
Copper, Total	37.0		mg/kg	0.898	0.232	2	02/18/21 04:40	02/19/21 19:03	EPA 3050B	1,6010D	BV
Iron, Total	8290		mg/kg	4.49	0.811	2	02/18/21 04:40	02/19/21 19:03	EPA 3050B	1,6010D	BV
Lead, Total	138		mg/kg	4.49	0.241	2	02/18/21 04:40	02/19/21 19:03	EPA 3050B	1,6010D	BV
Magnesium, Total	3110		mg/kg	8.98	1.38	2	02/18/21 04:40	02/19/21 19:03	EPA 3050B	1,6010D	BV
Manganese, Total	113		mg/kg	0.898	0.143	2	02/18/21 04:40	02/19/21 19:03	EPA 3050B	1,6010D	BV
Mercury, Total	0.051	J	mg/kg	0.073	0.047	1	02/18/21 06:20	02/19/21 18:48	EPA 7471B	1,7471B	NB
Nickel, Total	24.9		mg/kg	2.24	0.217	2	02/18/21 04:40	02/19/21 19:03	EPA 3050B	1,6010D	BV
Potassium, Total	936		mg/kg	224	12.9	2	02/18/21 04:40	02/19/21 19:03	EPA 3050B	1,6010D	BV
Selenium, Total	0.602	J	mg/kg	1.80	0.232	2	02/18/21 04:40	02/19/21 19:03	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.898	0.254	2	02/18/21 04:40	02/19/21 19:03	EPA 3050B	1,6010D	BV
Sodium, Total	320		mg/kg	180	2.83	2	02/18/21 04:40	02/19/21 19:03	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.80	0.283	2	02/18/21 04:40	02/19/21 19:03	EPA 3050B	1,6010D	BV
Vanadium, Total	13.2		mg/kg	0.898	0.182	2	02/18/21 04:40	02/19/21 19:03	EPA 3050B	1,6010D	BV
Zinc, Total	58.1		mg/kg	4.49	0.263	2	02/18/21 04:40	02/19/21 19:03	EPA 3050B	1,6010D	BV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	21	J	mg/kg	0.93	0.93	1		02/19/21 19:03	NA	107,-	

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE
Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-28
Client ID: SB-11 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 12:00
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4770		mg/kg	10.3	2.79	2	02/17/21 07:25	02/18/21 17:31	EPA 3050B	1,6010D	GD
Antimony, Total	ND		mg/kg	5.17	0.393	2	02/17/21 07:25	02/18/21 17:31	EPA 3050B	1,6010D	GD
Arsenic, Total	2.35		mg/kg	1.03	0.215	2	02/17/21 07:25	02/18/21 17:31	EPA 3050B	1,6010D	GD
Barium, Total	70.1		mg/kg	1.03	0.180	2	02/17/21 07:25	02/18/21 17:31	EPA 3050B	1,6010D	GD
Beryllium, Total	ND		mg/kg	0.517	0.034	2	02/17/21 07:25	02/18/21 17:31	EPA 3050B	1,6010D	GD
Cadmium, Total	0.548	J	mg/kg	1.03	0.101	2	02/17/21 07:25	02/18/21 17:31	EPA 3050B	1,6010D	GD
Calcium, Total	11900		mg/kg	10.3	3.62	2	02/17/21 07:25	02/18/21 17:31	EPA 3050B	1,6010D	GD
Chromium, Total	35.8		mg/kg	1.03	0.099	2	02/17/21 07:25	02/18/21 17:31	EPA 3050B	1,6010D	GD
Cobalt, Total	7.71		mg/kg	2.07	0.172	2	02/17/21 07:25	02/18/21 17:31	EPA 3050B	1,6010D	GD
Copper, Total	22.7		mg/kg	1.03	0.267	2	02/17/21 07:25	02/18/21 17:31	EPA 3050B	1,6010D	GD
Iron, Total	12200		mg/kg	5.17	0.934	2	02/17/21 07:25	02/18/21 17:31	EPA 3050B	1,6010D	GD
Lead, Total	419		mg/kg	5.17	0.277	2	02/17/21 07:25	02/18/21 17:31	EPA 3050B	1,6010D	GD
Magnesium, Total	4260		mg/kg	10.3	1.59	2	02/17/21 07:25	02/18/21 17:31	EPA 3050B	1,6010D	GD
Manganese, Total	113		mg/kg	1.03	0.164	2	02/17/21 07:25	02/18/21 17:31	EPA 3050B	1,6010D	GD
Mercury, Total	ND		mg/kg	0.083	0.054	1	02/17/21 08:00	02/19/21 20:37	EPA 7471B	1,7471B	NB
Nickel, Total	40.5		mg/kg	2.58	0.250	2	02/17/21 07:25	02/18/21 17:31	EPA 3050B	1,6010D	GD
Potassium, Total	2130		mg/kg	258	14.9	2	02/17/21 07:25	02/18/21 17:31	EPA 3050B	1,6010D	GD
Selenium, Total	0.341	J	mg/kg	2.07	0.267	2	02/17/21 07:25	02/18/21 17:31	EPA 3050B	1,6010D	GD
Silver, Total	0.372	J	mg/kg	1.03	0.293	2	02/17/21 07:25	02/18/21 17:31	EPA 3050B	1,6010D	GD
Sodium, Total	339		mg/kg	207	3.26	2	02/17/21 07:25	02/18/21 17:31	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	2.07	0.326	2	02/17/21 07:25	02/18/21 17:31	EPA 3050B	1,6010D	GD
Vanadium, Total	17.9		mg/kg	1.03	0.210	2	02/17/21 07:25	02/18/21 17:31	EPA 3050B	1,6010D	GD
Zinc, Total	66.5		mg/kg	5.17	0.303	2	02/17/21 07:25	02/18/21 17:31	EPA 3050B	1,6010D	GD
General Chemistry - Mansfield Lab											
Chromium, Trivalent	36		mg/kg	1.0	1.0	1		02/19/21 17:57	NA	107,-	

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE
Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-29
Client ID: SB-12 (0-2)
Sample Location: BRONX, NY
Date Collected: 02/15/21 11:10
Date Received: 02/16/21
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	3620		mg/kg	8.89	2.40	2	02/17/21 07:25	02/18/21 17:36	EPA 3050B	1,6010D	GD
Antimony, Total	ND		mg/kg	4.45	0.338	2	02/17/21 07:25	02/18/21 17:36	EPA 3050B	1,6010D	GD
Arsenic, Total	0.427	J	mg/kg	0.889	0.185	2	02/17/21 07:25	02/18/21 17:36	EPA 3050B	1,6010D	GD
Barium, Total	30.4		mg/kg	0.889	0.155	2	02/17/21 07:25	02/18/21 17:36	EPA 3050B	1,6010D	GD
Beryllium, Total	ND		mg/kg	0.445	0.029	2	02/17/21 07:25	02/18/21 17:36	EPA 3050B	1,6010D	GD
Cadmium, Total	0.258	J	mg/kg	0.889	0.087	2	02/17/21 07:25	02/18/21 17:36	EPA 3050B	1,6010D	GD
Calcium, Total	5110		mg/kg	8.89	3.11	2	02/17/21 07:25	02/18/21 17:36	EPA 3050B	1,6010D	GD
Chromium, Total	19.5		mg/kg	0.889	0.085	2	02/17/21 07:25	02/18/21 17:36	EPA 3050B	1,6010D	GD
Cobalt, Total	5.92		mg/kg	1.78	0.148	2	02/17/21 07:25	02/18/21 17:36	EPA 3050B	1,6010D	GD
Copper, Total	14.6		mg/kg	0.889	0.229	2	02/17/21 07:25	02/18/21 17:36	EPA 3050B	1,6010D	GD
Iron, Total	8190		mg/kg	4.45	0.803	2	02/17/21 07:25	02/18/21 17:36	EPA 3050B	1,6010D	GD
Lead, Total	1.43	J	mg/kg	4.45	0.238	2	02/17/21 07:25	02/18/21 17:36	EPA 3050B	1,6010D	GD
Magnesium, Total	6430		mg/kg	8.89	1.37	2	02/17/21 07:25	02/18/21 17:36	EPA 3050B	1,6010D	GD
Manganese, Total	110		mg/kg	0.889	0.141	2	02/17/21 07:25	02/18/21 17:36	EPA 3050B	1,6010D	GD
Mercury, Total	ND		mg/kg	0.071	0.046	1	02/17/21 08:00	02/19/21 20:47	EPA 7471B	1,7471B	NB
Nickel, Total	37.5		mg/kg	2.22	0.215	2	02/17/21 07:25	02/18/21 17:36	EPA 3050B	1,6010D	GD
Potassium, Total	1270		mg/kg	222	12.8	2	02/17/21 07:25	02/18/21 17:36	EPA 3050B	1,6010D	GD
Selenium, Total	ND		mg/kg	1.78	0.229	2	02/17/21 07:25	02/18/21 17:36	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.889	0.252	2	02/17/21 07:25	02/18/21 17:36	EPA 3050B	1,6010D	GD
Sodium, Total	303		mg/kg	178	2.80	2	02/17/21 07:25	02/18/21 17:36	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	1.78	0.280	2	02/17/21 07:25	02/18/21 17:36	EPA 3050B	1,6010D	GD
Vanadium, Total	17.0		mg/kg	0.889	0.180	2	02/17/21 07:25	02/18/21 17:36	EPA 3050B	1,6010D	GD
Zinc, Total	14.0		mg/kg	4.45	0.260	2	02/17/21 07:25	02/18/21 17:36	EPA 3050B	1,6010D	GD
General Chemistry - Mansfield Lab											
Chromium, Trivalent	20		mg/kg	0.90	0.91	1		02/19/21 17:57	NA	107,-	

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE
Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-30
Client ID: SB-12 (0-2)_DUP
Sample Location: BRONX, NY
Date Collected: 02/15/21 11:20
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5980		mg/kg	9.70	2.62	2	02/17/21 07:25	02/18/21 18:15	EPA 3050B	1,6010D	GD
Antimony, Total	ND		mg/kg	4.85	0.368	2	02/17/21 07:25	02/18/21 18:15	EPA 3050B	1,6010D	GD
Arsenic, Total	9.70		mg/kg	0.970	0.202	2	02/17/21 07:25	02/18/21 18:15	EPA 3050B	1,6010D	GD
Barium, Total	88.6		mg/kg	0.970	0.169	2	02/17/21 07:25	02/18/21 18:15	EPA 3050B	1,6010D	GD
Beryllium, Total	0.184	J	mg/kg	0.485	0.032	2	02/17/21 07:25	02/18/21 18:15	EPA 3050B	1,6010D	GD
Cadmium, Total	0.398	J	mg/kg	0.970	0.095	2	02/17/21 07:25	02/18/21 18:15	EPA 3050B	1,6010D	GD
Calcium, Total	28200		mg/kg	9.70	3.39	2	02/17/21 07:25	02/18/21 18:15	EPA 3050B	1,6010D	GD
Chromium, Total	6.60		mg/kg	0.970	0.093	2	02/17/21 07:25	02/18/21 18:15	EPA 3050B	1,6010D	GD
Cobalt, Total	5.28		mg/kg	1.94	0.161	2	02/17/21 07:25	02/18/21 18:15	EPA 3050B	1,6010D	GD
Copper, Total	30.6		mg/kg	0.970	0.250	2	02/17/21 07:25	02/18/21 18:15	EPA 3050B	1,6010D	GD
Iron, Total	8920		mg/kg	4.85	0.876	2	02/17/21 07:25	02/18/21 18:15	EPA 3050B	1,6010D	GD
Lead, Total	51.3		mg/kg	4.85	0.260	2	02/17/21 07:25	02/18/21 18:15	EPA 3050B	1,6010D	GD
Magnesium, Total	2760		mg/kg	9.70	1.49	2	02/17/21 07:25	02/18/21 18:15	EPA 3050B	1,6010D	GD
Manganese, Total	89.5		mg/kg	0.970	0.154	2	02/17/21 07:25	02/18/21 18:15	EPA 3050B	1,6010D	GD
Mercury, Total	0.062	J	mg/kg	0.078	0.051	1	02/17/21 08:00	02/19/21 20:50	EPA 7471B	1,7471B	NB
Nickel, Total	12.5		mg/kg	2.42	0.235	2	02/17/21 07:25	02/18/21 18:15	EPA 3050B	1,6010D	GD
Potassium, Total	460		mg/kg	242	14.0	2	02/17/21 07:25	02/18/21 18:15	EPA 3050B	1,6010D	GD
Selenium, Total	0.291	J	mg/kg	1.94	0.250	2	02/17/21 07:25	02/18/21 18:15	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.970	0.274	2	02/17/21 07:25	02/18/21 18:15	EPA 3050B	1,6010D	GD
Sodium, Total	588		mg/kg	194	3.06	2	02/17/21 07:25	02/18/21 18:15	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	1.94	0.306	2	02/17/21 07:25	02/18/21 18:15	EPA 3050B	1,6010D	GD
Vanadium, Total	15.0		mg/kg	0.970	0.197	2	02/17/21 07:25	02/18/21 18:15	EPA 3050B	1,6010D	GD
Zinc, Total	38.6		mg/kg	4.85	0.284	2	02/17/21 07:25	02/18/21 18:15	EPA 3050B	1,6010D	GD
General Chemistry - Mansfield Lab											
Chromium, Trivalent	6.6		mg/kg	1.0	1.0	1		02/19/21 17:57	NA	107,-	

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE
Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-31
Client ID: SB-12 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 11:15
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	3870		mg/kg	8.53	2.30	2	02/17/21 07:25	02/18/21 18:19	EPA 3050B	1,6010D	GD
Antimony, Total	ND		mg/kg	4.26	0.324	2	02/17/21 07:25	02/18/21 18:19	EPA 3050B	1,6010D	GD
Arsenic, Total	ND		mg/kg	0.853	0.177	2	02/17/21 07:25	02/18/21 18:19	EPA 3050B	1,6010D	GD
Barium, Total	35.1		mg/kg	0.853	0.148	2	02/17/21 07:25	02/18/21 18:19	EPA 3050B	1,6010D	GD
Beryllium, Total	ND		mg/kg	0.426	0.028	2	02/17/21 07:25	02/18/21 18:19	EPA 3050B	1,6010D	GD
Cadmium, Total	0.290	J	mg/kg	0.853	0.084	2	02/17/21 07:25	02/18/21 18:19	EPA 3050B	1,6010D	GD
Calcium, Total	5410		mg/kg	8.53	2.98	2	02/17/21 07:25	02/18/21 18:19	EPA 3050B	1,6010D	GD
Chromium, Total	22.0		mg/kg	0.853	0.082	2	02/17/21 07:25	02/18/21 18:19	EPA 3050B	1,6010D	GD
Cobalt, Total	6.45		mg/kg	1.71	0.142	2	02/17/21 07:25	02/18/21 18:19	EPA 3050B	1,6010D	GD
Copper, Total	13.5		mg/kg	0.853	0.220	2	02/17/21 07:25	02/18/21 18:19	EPA 3050B	1,6010D	GD
Iron, Total	8940		mg/kg	4.26	0.770	2	02/17/21 07:25	02/18/21 18:19	EPA 3050B	1,6010D	GD
Lead, Total	1.55	J	mg/kg	4.26	0.229	2	02/17/21 07:25	02/18/21 18:19	EPA 3050B	1,6010D	GD
Magnesium, Total	7950		mg/kg	8.53	1.31	2	02/17/21 07:25	02/18/21 18:19	EPA 3050B	1,6010D	GD
Manganese, Total	143		mg/kg	0.853	0.136	2	02/17/21 07:25	02/18/21 18:19	EPA 3050B	1,6010D	GD
Mercury, Total	ND		mg/kg	0.071	0.046	1	02/17/21 08:00	02/19/21 20:53	EPA 7471B	1,7471B	NB
Nickel, Total	51.1		mg/kg	2.13	0.206	2	02/17/21 07:25	02/18/21 18:19	EPA 3050B	1,6010D	GD
Potassium, Total	1440		mg/kg	213	12.3	2	02/17/21 07:25	02/18/21 18:19	EPA 3050B	1,6010D	GD
Selenium, Total	ND		mg/kg	1.71	0.220	2	02/17/21 07:25	02/18/21 18:19	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.853	0.241	2	02/17/21 07:25	02/18/21 18:19	EPA 3050B	1,6010D	GD
Sodium, Total	268		mg/kg	171	2.69	2	02/17/21 07:25	02/18/21 18:19	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	1.71	0.269	2	02/17/21 07:25	02/18/21 18:19	EPA 3050B	1,6010D	GD
Vanadium, Total	17.7		mg/kg	0.853	0.173	2	02/17/21 07:25	02/18/21 18:19	EPA 3050B	1,6010D	GD
Zinc, Total	15.2		mg/kg	4.26	0.250	2	02/17/21 07:25	02/18/21 18:19	EPA 3050B	1,6010D	GD
General Chemistry - Mansfield Lab											
Chromium, Trivalent	22		mg/kg	0.90	0.90	1		02/19/21 17:57	NA	107,-	

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE
Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-32
Client ID: SB-13 (0-2)
Sample Location: BRONX, NY
Date Collected: 02/15/21 10:20
Date Received: 02/16/21
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	3160		mg/kg	8.56	2.31	2	02/17/21 07:25	02/18/21 17:08	EPA 3050B	1,6010D	GD
Antimony, Total	ND		mg/kg	4.28	0.325	2	02/17/21 07:25	02/18/21 17:08	EPA 3050B	1,6010D	GD
Arsenic, Total	0.385	J	mg/kg	0.856	0.178	2	02/17/21 07:25	02/18/21 17:08	EPA 3050B	1,6010D	GD
Barium, Total	27.8		mg/kg	0.856	0.149	2	02/17/21 07:25	02/18/21 17:08	EPA 3050B	1,6010D	GD
Beryllium, Total	ND		mg/kg	0.428	0.028	2	02/17/21 07:25	02/18/21 17:08	EPA 3050B	1,6010D	GD
Cadmium, Total	0.265	J	mg/kg	0.856	0.084	2	02/17/21 07:25	02/18/21 17:08	EPA 3050B	1,6010D	GD
Calcium, Total	5530		mg/kg	8.56	3.00	2	02/17/21 07:25	02/18/21 17:08	EPA 3050B	1,6010D	GD
Chromium, Total	19.3		mg/kg	0.856	0.082	2	02/17/21 07:25	02/18/21 17:08	EPA 3050B	1,6010D	GD
Cobalt, Total	5.81		mg/kg	1.71	0.142	2	02/17/21 07:25	02/18/21 17:08	EPA 3050B	1,6010D	GD
Copper, Total	13.5		mg/kg	0.856	0.221	2	02/17/21 07:25	02/18/21 17:08	EPA 3050B	1,6010D	GD
Iron, Total	8230		mg/kg	4.28	0.773	2	02/17/21 07:25	02/18/21 17:08	EPA 3050B	1,6010D	GD
Lead, Total	1.68	J	mg/kg	4.28	0.229	2	02/17/21 07:25	02/18/21 17:08	EPA 3050B	1,6010D	GD
Magnesium, Total	6700		mg/kg	8.56	1.32	2	02/17/21 07:25	02/18/21 17:08	EPA 3050B	1,6010D	GD
Manganese, Total	126		mg/kg	0.856	0.136	2	02/17/21 07:25	02/18/21 17:08	EPA 3050B	1,6010D	GD
Mercury, Total	ND		mg/kg	0.070	0.046	1	02/17/21 08:00	02/19/21 20:23	EPA 7471B	1,7471B	NB
Nickel, Total	39.8		mg/kg	2.14	0.207	2	02/17/21 07:25	02/18/21 17:08	EPA 3050B	1,6010D	GD
Potassium, Total	1130		mg/kg	214	12.3	2	02/17/21 07:25	02/18/21 17:08	EPA 3050B	1,6010D	GD
Selenium, Total	0.291	J	mg/kg	1.71	0.221	2	02/17/21 07:25	02/18/21 17:08	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.856	0.242	2	02/17/21 07:25	02/18/21 17:08	EPA 3050B	1,6010D	GD
Sodium, Total	318		mg/kg	171	2.70	2	02/17/21 07:25	02/18/21 17:08	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	1.71	0.270	2	02/17/21 07:25	02/18/21 17:08	EPA 3050B	1,6010D	GD
Vanadium, Total	16.6		mg/kg	0.856	0.174	2	02/17/21 07:25	02/18/21 17:08	EPA 3050B	1,6010D	GD
Zinc, Total	13.2		mg/kg	4.28	0.251	2	02/17/21 07:25	02/18/21 17:08	EPA 3050B	1,6010D	GD
General Chemistry - Mansfield Lab											
Chromium, Trivalent	19		mg/kg	0.89	0.89	1		02/18/21 23:34	NA	107,-	

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE
Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-33
Client ID: SB-13 (2-3)
Sample Location: BRONX, NY
Date Collected: 02/15/21 10:25
Date Received: 02/16/21
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	3810		mg/kg	8.50	2.30	2	02/17/21 07:25	02/18/21 18:24	EPA 3050B	1,6010D	GD
Antimony, Total	ND		mg/kg	4.25	0.323	2	02/17/21 07:25	02/18/21 18:24	EPA 3050B	1,6010D	GD
Arsenic, Total	ND		mg/kg	0.850	0.177	2	02/17/21 07:25	02/18/21 18:24	EPA 3050B	1,6010D	GD
Barium, Total	33.3		mg/kg	0.850	0.148	2	02/17/21 07:25	02/18/21 18:24	EPA 3050B	1,6010D	GD
Beryllium, Total	ND		mg/kg	0.425	0.028	2	02/17/21 07:25	02/18/21 18:24	EPA 3050B	1,6010D	GD
Cadmium, Total	0.272	J	mg/kg	0.850	0.083	2	02/17/21 07:25	02/18/21 18:24	EPA 3050B	1,6010D	GD
Calcium, Total	5210		mg/kg	8.50	2.98	2	02/17/21 07:25	02/18/21 18:24	EPA 3050B	1,6010D	GD
Chromium, Total	20.0		mg/kg	0.850	0.082	2	02/17/21 07:25	02/18/21 18:24	EPA 3050B	1,6010D	GD
Cobalt, Total	5.91		mg/kg	1.70	0.141	2	02/17/21 07:25	02/18/21 18:24	EPA 3050B	1,6010D	GD
Copper, Total	13.9		mg/kg	0.850	0.219	2	02/17/21 07:25	02/18/21 18:24	EPA 3050B	1,6010D	GD
Iron, Total	8430		mg/kg	4.25	0.768	2	02/17/21 07:25	02/18/21 18:24	EPA 3050B	1,6010D	GD
Lead, Total	1.59	J	mg/kg	4.25	0.228	2	02/17/21 07:25	02/18/21 18:24	EPA 3050B	1,6010D	GD
Magnesium, Total	6200		mg/kg	8.50	1.31	2	02/17/21 07:25	02/18/21 18:24	EPA 3050B	1,6010D	GD
Manganese, Total	129		mg/kg	0.850	0.135	2	02/17/21 07:25	02/18/21 18:24	EPA 3050B	1,6010D	GD
Mercury, Total	ND		mg/kg	0.069	0.045	1	02/17/21 08:00	02/19/21 20:56	EPA 7471B	1,7471B	NB
Nickel, Total	33.4		mg/kg	2.12	0.206	2	02/17/21 07:25	02/18/21 18:24	EPA 3050B	1,6010D	GD
Potassium, Total	1430		mg/kg	212	12.2	2	02/17/21 07:25	02/18/21 18:24	EPA 3050B	1,6010D	GD
Selenium, Total	ND		mg/kg	1.70	0.219	2	02/17/21 07:25	02/18/21 18:24	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.850	0.241	2	02/17/21 07:25	02/18/21 18:24	EPA 3050B	1,6010D	GD
Sodium, Total	294		mg/kg	170	2.68	2	02/17/21 07:25	02/18/21 18:24	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	1.70	0.268	2	02/17/21 07:25	02/18/21 18:24	EPA 3050B	1,6010D	GD
Vanadium, Total	17.4		mg/kg	0.850	0.172	2	02/17/21 07:25	02/18/21 18:24	EPA 3050B	1,6010D	GD
Zinc, Total	14.6		mg/kg	4.25	0.249	2	02/17/21 07:25	02/18/21 18:24	EPA 3050B	1,6010D	GD
General Chemistry - Mansfield Lab											
Chromium, Trivalent	20	J	mg/kg	0.87	0.87	1		02/19/21 17:57	NA	107,-	

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE
Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-40
Client ID: FIELD BLANK 1
Sample Location: BRONX, NY
Date Collected: 02/15/21 16:30
Date Received: 02/16/21
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	02/17/21 10:04	02/18/21 22:31	EPA 3005A	1,6010D	BV
Antimony, Total	ND		mg/l	0.050	0.007	1	02/17/21 10:04	02/18/21 22:31	EPA 3005A	1,6010D	BV
Arsenic, Total	ND		mg/l	0.005	0.002	1	02/17/21 10:04	02/18/21 22:31	EPA 3005A	1,6010D	BV
Barium, Total	ND		mg/l	0.010	0.002	1	02/17/21 10:04	02/18/21 22:31	EPA 3005A	1,6010D	BV
Beryllium, Total	ND		mg/l	0.005	0.001	1	02/17/21 10:04	02/18/21 22:31	EPA 3005A	1,6010D	BV
Cadmium, Total	ND		mg/l	0.005	0.001	1	02/17/21 10:04	02/18/21 22:31	EPA 3005A	1,6010D	BV
Calcium, Total	ND		mg/l	0.100	0.035	1	02/17/21 10:04	02/18/21 22:31	EPA 3005A	1,6010D	BV
Chromium, Total	ND		mg/l	0.010	0.002	1	02/17/21 10:04	02/18/21 22:31	EPA 3005A	1,6010D	BV
Cobalt, Total	ND		mg/l	0.020	0.002	1	02/17/21 10:04	02/18/21 22:31	EPA 3005A	1,6010D	BV
Copper, Total	ND		mg/l	0.010	0.002	1	02/17/21 10:04	02/18/21 22:31	EPA 3005A	1,6010D	BV
Iron, Total	ND		mg/l	0.050	0.009	1	02/17/21 10:04	02/18/21 22:31	EPA 3005A	1,6010D	BV
Lead, Total	ND		mg/l	0.010	0.003	1	02/17/21 10:04	02/18/21 22:31	EPA 3005A	1,6010D	BV
Magnesium, Total	ND		mg/l	0.100	0.015	1	02/17/21 10:04	02/18/21 22:31	EPA 3005A	1,6010D	BV
Manganese, Total	ND		mg/l	0.010	0.002	1	02/17/21 10:04	02/18/21 22:31	EPA 3005A	1,6010D	BV
Mercury, Total	ND		mg/l	0.00020	0.00009	1	02/17/21 10:07	02/19/21 17:09	EPA 7470A	1,7470A	NB
Nickel, Total	ND		mg/l	0.025	0.002	1	02/17/21 10:04	02/18/21 22:31	EPA 3005A	1,6010D	BV
Potassium, Total	ND		mg/l	2.50	0.237	1	02/17/21 10:04	02/18/21 22:31	EPA 3005A	1,6010D	BV
Selenium, Total	ND		mg/l	0.010	0.004	1	02/17/21 10:04	02/18/21 22:31	EPA 3005A	1,6010D	BV
Silver, Total	ND		mg/l	0.007	0.003	1	02/17/21 10:04	02/18/21 22:31	EPA 3005A	1,6010D	BV
Sodium, Total	ND		mg/l	2.00	0.120	1	02/17/21 10:04	02/18/21 22:31	EPA 3005A	1,6010D	BV
Thallium, Total	ND		mg/l	0.020	0.003	1	02/17/21 10:04	02/18/21 22:31	EPA 3005A	1,6010D	BV
Vanadium, Total	ND		mg/l	0.010	0.002	1	02/17/21 10:04	02/18/21 22:31	EPA 3005A	1,6010D	BV
Zinc, Total	ND		mg/l	0.050	0.002	1	02/17/21 10:04	02/18/21 22:31	EPA 3005A	1,6010D	BV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	ND		mg/l	0.010	0.010	1		02/18/21 22:31	NA	107,-	

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE
Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-42
Client ID: FIELD BLANK 2
Sample Location: BRONX, NY
Date Collected: 02/16/21 09:20
Date Received: 02/16/21
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	02/17/21 10:04	02/18/21 22:36	EPA 3005A	1,6010D	BV
Antimony, Total	ND		mg/l	0.050	0.007	1	02/17/21 10:04	02/18/21 22:36	EPA 3005A	1,6010D	BV
Arsenic, Total	ND		mg/l	0.005	0.002	1	02/17/21 10:04	02/18/21 22:36	EPA 3005A	1,6010D	BV
Barium, Total	ND		mg/l	0.010	0.002	1	02/17/21 10:04	02/18/21 22:36	EPA 3005A	1,6010D	BV
Beryllium, Total	ND		mg/l	0.005	0.001	1	02/17/21 10:04	02/18/21 22:36	EPA 3005A	1,6010D	BV
Cadmium, Total	ND		mg/l	0.005	0.001	1	02/17/21 10:04	02/18/21 22:36	EPA 3005A	1,6010D	BV
Calcium, Total	ND		mg/l	0.100	0.035	1	02/17/21 10:04	02/18/21 22:36	EPA 3005A	1,6010D	BV
Chromium, Total	ND		mg/l	0.010	0.002	1	02/17/21 10:04	02/18/21 22:36	EPA 3005A	1,6010D	BV
Cobalt, Total	ND		mg/l	0.020	0.002	1	02/17/21 10:04	02/18/21 22:36	EPA 3005A	1,6010D	BV
Copper, Total	ND		mg/l	0.010	0.002	1	02/17/21 10:04	02/18/21 22:36	EPA 3005A	1,6010D	BV
Iron, Total	ND		mg/l	0.050	0.009	1	02/17/21 10:04	02/18/21 22:36	EPA 3005A	1,6010D	BV
Lead, Total	ND		mg/l	0.010	0.003	1	02/17/21 10:04	02/18/21 22:36	EPA 3005A	1,6010D	BV
Magnesium, Total	ND		mg/l	0.100	0.015	1	02/17/21 10:04	02/18/21 22:36	EPA 3005A	1,6010D	BV
Manganese, Total	ND		mg/l	0.010	0.002	1	02/17/21 10:04	02/18/21 22:36	EPA 3005A	1,6010D	BV
Mercury, Total	ND		mg/l	0.00020	0.00009	1	02/17/21 10:07	02/19/21 17:19	EPA 7470A	1,7470A	NB
Nickel, Total	ND		mg/l	0.025	0.002	1	02/17/21 10:04	02/18/21 22:36	EPA 3005A	1,6010D	BV
Potassium, Total	ND		mg/l	2.50	0.237	1	02/17/21 10:04	02/18/21 22:36	EPA 3005A	1,6010D	BV
Selenium, Total	ND		mg/l	0.010	0.004	1	02/17/21 10:04	02/18/21 22:36	EPA 3005A	1,6010D	BV
Silver, Total	ND		mg/l	0.007	0.003	1	02/17/21 10:04	02/18/21 22:36	EPA 3005A	1,6010D	BV
Sodium, Total	ND		mg/l	2.00	0.120	1	02/17/21 10:04	02/18/21 22:36	EPA 3005A	1,6010D	BV
Thallium, Total	ND		mg/l	0.020	0.003	1	02/17/21 10:04	02/18/21 22:36	EPA 3005A	1,6010D	BV
Vanadium, Total	ND		mg/l	0.010	0.002	1	02/17/21 10:04	02/18/21 22:36	EPA 3005A	1,6010D	BV
Zinc, Total	ND		mg/l	0.050	0.002	1	02/17/21 10:04	02/18/21 22:36	EPA 3005A	1,6010D	BV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	ND		mg/l	0.010	0.010	1		02/18/21 22:36	NA	107,-	

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

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): 28-33 Batch: WG1465520-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	02/17/21 08:00	02/19/21 20:17	1,7471B	NB

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): 28-33 Batch: WG1465544-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	02/17/21 07:25	02/18/21 16:59	1,6010D	GD
Antimony, Total	ND		mg/kg	2.00	0.152	1	02/17/21 07:25	02/18/21 16:59	1,6010D	GD
Arsenic, Total	ND		mg/kg	0.400	0.083	1	02/17/21 07:25	02/18/21 16:59	1,6010D	GD
Barium, Total	ND		mg/kg	0.400	0.070	1	02/17/21 07:25	02/18/21 16:59	1,6010D	GD
Beryllium, Total	ND		mg/kg	0.200	0.013	1	02/17/21 07:25	02/18/21 16:59	1,6010D	GD
Cadmium, Total	ND		mg/kg	0.400	0.039	1	02/17/21 07:25	02/18/21 16:59	1,6010D	GD
Calcium, Total	2.27	J	mg/kg	4.00	1.40	1	02/17/21 07:25	02/18/21 16:59	1,6010D	GD
Chromium, Total	ND		mg/kg	0.400	0.038	1	02/17/21 07:25	02/18/21 16:59	1,6010D	GD
Cobalt, Total	ND		mg/kg	0.800	0.066	1	02/17/21 07:25	02/18/21 16:59	1,6010D	GD
Copper, Total	ND		mg/kg	0.400	0.103	1	02/17/21 07:25	02/18/21 16:59	1,6010D	GD
Iron, Total	0.824	J	mg/kg	2.00	0.361	1	02/17/21 07:25	02/18/21 16:59	1,6010D	GD
Lead, Total	ND		mg/kg	2.00	0.107	1	02/17/21 07:25	02/18/21 16:59	1,6010D	GD
Magnesium, Total	0.780	J	mg/kg	4.00	0.616	1	02/17/21 07:25	02/18/21 16:59	1,6010D	GD
Manganese, Total	ND		mg/kg	0.400	0.064	1	02/17/21 07:25	02/18/21 16:59	1,6010D	GD
Nickel, Total	ND		mg/kg	1.00	0.097	1	02/17/21 07:25	02/18/21 16:59	1,6010D	GD
Potassium, Total	20.8	J	mg/kg	100	5.76	1	02/17/21 07:25	02/18/21 16:59	1,6010D	GD
Selenium, Total	ND		mg/kg	0.800	0.103	1	02/17/21 07:25	02/18/21 16:59	1,6010D	GD
Silver, Total	ND		mg/kg	0.400	0.113	1	02/17/21 07:25	02/18/21 16:59	1,6010D	GD
Sodium, Total	74.1	J	mg/kg	80.0	1.26	1	02/17/21 07:25	02/18/21 16:59	1,6010D	GD
Thallium, Total	ND		mg/kg	0.800	0.126	1	02/17/21 07:25	02/18/21 16:59	1,6010D	GD
Vanadium, Total	ND		mg/kg	0.400	0.081	1	02/17/21 07:25	02/18/21 16:59	1,6010D	GD
Zinc, Total	0.404	J	mg/kg	2.00	0.117	1	02/17/21 07:25	02/18/21 16:59	1,6010D	GD

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 40,42 Batch: WG1465613-1										
Aluminum, Total	ND		mg/l	0.100	0.032	1	02/17/21 10:04	02/18/21 22:26	1,6010D	BV
Antimony, Total	ND		mg/l	0.050	0.007	1	02/17/21 10:04	02/18/21 22:26	1,6010D	BV
Arsenic, Total	ND		mg/l	0.005	0.002	1	02/17/21 10:04	02/18/21 22:26	1,6010D	BV
Barium, Total	ND		mg/l	0.010	0.002	1	02/17/21 10:04	02/18/21 22:26	1,6010D	BV
Beryllium, Total	ND		mg/l	0.005	0.001	1	02/17/21 10:04	02/18/21 22:26	1,6010D	BV
Cadmium, Total	ND		mg/l	0.005	0.001	1	02/17/21 10:04	02/18/21 22:26	1,6010D	BV
Calcium, Total	ND		mg/l	0.100	0.035	1	02/17/21 10:04	02/18/21 22:26	1,6010D	BV
Chromium, Total	ND		mg/l	0.010	0.002	1	02/17/21 10:04	02/18/21 22:26	1,6010D	BV
Cobalt, Total	ND		mg/l	0.020	0.002	1	02/17/21 10:04	02/18/21 22:26	1,6010D	BV
Copper, Total	ND		mg/l	0.010	0.002	1	02/17/21 10:04	02/18/21 22:26	1,6010D	BV
Iron, Total	ND		mg/l	0.050	0.009	1	02/17/21 10:04	02/18/21 22:26	1,6010D	BV
Lead, Total	ND		mg/l	0.010	0.003	1	02/17/21 10:04	02/18/21 22:26	1,6010D	BV
Magnesium, Total	ND		mg/l	0.100	0.015	1	02/17/21 10:04	02/18/21 22:26	1,6010D	BV
Manganese, Total	ND		mg/l	0.010	0.002	1	02/17/21 10:04	02/18/21 22:26	1,6010D	BV
Nickel, Total	ND		mg/l	0.025	0.002	1	02/17/21 10:04	02/18/21 22:26	1,6010D	BV
Potassium, Total	ND		mg/l	2.50	0.237	1	02/17/21 10:04	02/18/21 22:26	1,6010D	BV
Selenium, Total	ND		mg/l	0.010	0.004	1	02/17/21 10:04	02/18/21 22:26	1,6010D	BV
Silver, Total	ND		mg/l	0.007	0.003	1	02/17/21 10:04	02/18/21 22:26	1,6010D	BV
Sodium, Total	ND		mg/l	2.00	0.120	1	02/17/21 10:04	02/18/21 22:26	1,6010D	BV
Thallium, Total	ND		mg/l	0.020	0.003	1	02/17/21 10:04	02/18/21 22:26	1,6010D	BV
Vanadium, Total	ND		mg/l	0.010	0.002	1	02/17/21 10:04	02/18/21 22:26	1,6010D	BV
Zinc, Total	ND		mg/l	0.050	0.002	1	02/17/21 10:04	02/18/21 22:26	1,6010D	BV

Prep Information

Digestion Method: EPA 3005A

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

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): 40,42 Batch: WG1465616-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	02/17/21 10:07	02/19/21 16:51	1,7470A	NB

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01,03-08,10-11,13-14,16-17,19-20,22-24,26-27 Batch: WG1465687-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	02/18/21 04:40	02/19/21 18:54	1,6010D	BV
Antimony, Total	0.620	J	mg/kg	2.00	0.152	1	02/18/21 04:40	02/19/21 18:54	1,6010D	BV
Arsenic, Total	ND		mg/kg	0.400	0.083	1	02/18/21 04:40	02/19/21 18:54	1,6010D	BV
Barium, Total	ND		mg/kg	0.400	0.070	1	02/18/21 04:40	02/19/21 18:54	1,6010D	BV
Beryllium, Total	ND		mg/kg	0.200	0.013	1	02/18/21 04:40	02/19/21 18:54	1,6010D	BV
Cadmium, Total	ND		mg/kg	0.400	0.039	1	02/18/21 04:40	02/19/21 18:54	1,6010D	BV
Calcium, Total	ND		mg/kg	4.00	1.40	1	02/18/21 04:40	02/19/21 18:54	1,6010D	BV
Chromium, Total	ND		mg/kg	0.400	0.038	1	02/18/21 04:40	02/19/21 18:54	1,6010D	BV
Cobalt, Total	ND		mg/kg	0.800	0.066	1	02/18/21 04:40	02/19/21 18:54	1,6010D	BV
Copper, Total	ND		mg/kg	0.400	0.103	1	02/18/21 04:40	02/19/21 18:54	1,6010D	BV
Iron, Total	ND		mg/kg	2.00	0.361	1	02/18/21 04:40	02/19/21 18:54	1,6010D	BV
Lead, Total	ND		mg/kg	2.00	0.107	1	02/18/21 04:40	02/19/21 18:54	1,6010D	BV
Magnesium, Total	ND		mg/kg	4.00	0.616	1	02/18/21 04:40	02/19/21 18:54	1,6010D	BV
Manganese, Total	0.164	J	mg/kg	0.400	0.064	1	02/18/21 04:40	02/19/21 18:54	1,6010D	BV
Nickel, Total	ND		mg/kg	1.00	0.097	1	02/18/21 04:40	02/19/21 18:54	1,6010D	BV
Potassium, Total	ND		mg/kg	100	5.76	1	02/18/21 04:40	02/19/21 18:54	1,6010D	BV
Selenium, Total	ND		mg/kg	0.800	0.103	1	02/18/21 04:40	02/19/21 18:54	1,6010D	BV
Silver, Total	ND		mg/kg	0.400	0.113	1	02/18/21 04:40	02/19/21 18:54	1,6010D	BV
Sodium, Total	6.16	J	mg/kg	80.0	1.26	1	02/18/21 04:40	02/19/21 18:54	1,6010D	BV
Thallium, Total	ND		mg/kg	0.800	0.126	1	02/18/21 04:40	02/19/21 18:54	1,6010D	BV
Vanadium, Total	ND		mg/kg	0.400	0.081	1	02/18/21 04:40	02/19/21 18:54	1,6010D	BV
Zinc, Total	ND		mg/kg	2.00	0.117	1	02/18/21 04:40	02/19/21 18:54	1,6010D	BV

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/26/21

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01,03-08,10-11,13-14,16-17,19-20,22-24,26-27 Batch: WG1465688-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	02/18/21 06:20	02/19/21 18:34	1,7471B	NB

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 28-33 Batch: WG1465520-2 SRM Lot Number: D109-540								
Mercury, Total	100		-		60-140	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 28-33 Batch: WG1465544-2 SRM Lot Number: D109-540					
Aluminum, Total	71	-	50-150	-	
Antimony, Total	134	-	19-250	-	
Arsenic, Total	106	-	70-130	-	
Barium, Total	98	-	75-125	-	
Beryllium, Total	96	-	75-125	-	
Cadmium, Total	95	-	75-125	-	
Calcium, Total	93	-	73-128	-	
Chromium, Total	99	-	70-130	-	
Cobalt, Total	96	-	75-125	-	
Copper, Total	100	-	75-125	-	
Iron, Total	99	-	35-165	-	
Lead, Total	103	-	72-128	-	
Magnesium, Total	96	-	62-138	-	
Manganese, Total	94	-	74-126	-	
Nickel, Total	98	-	70-130	-	
Potassium, Total	94	-	59-141	-	
Selenium, Total	102	-	68-132	-	
Silver, Total	105	-	68-131	-	
Sodium, Total	116	-	35-165	-	
Thallium, Total	96	-	68-131	-	
Vanadium, Total	102	-	59-141	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 28-33 Batch: WG1465544-2 SRM Lot Number: D109-540					
Zinc, Total	102	-	70-130	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 40,42 Batch: WG1465613-2					
Aluminum, Total	107	-	80-120	-	
Antimony, Total	85	-	80-120	-	
Arsenic, Total	111	-	80-120	-	
Barium, Total	106	-	80-120	-	
Beryllium, Total	106	-	80-120	-	
Cadmium, Total	110	-	80-120	-	
Calcium, Total	109	-	80-120	-	
Chromium, Total	105	-	80-120	-	
Cobalt, Total	103	-	80-120	-	
Copper, Total	105	-	80-120	-	
Iron, Total	106	-	80-120	-	
Lead, Total	105	-	80-120	-	
Magnesium, Total	110	-	80-120	-	
Manganese, Total	102	-	80-120	-	
Nickel, Total	101	-	80-120	-	
Potassium, Total	113	-	80-120	-	
Selenium, Total	107	-	80-120	-	
Silver, Total	105	-	80-120	-	
Sodium, Total	114	-	80-120	-	
Thallium, Total	107	-	80-120	-	
Vanadium, Total	105	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 40,42 Batch: WG1465613-2					
Zinc, Total	111	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 40,42 Batch: WG1465616-2					
Mercury, Total	99	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03-08,10-11,13-14,16-17,19-20,22-24,26-27 Batch: WG1465687-2 SRM Lot Number: D109-540					
Aluminum, Total	82	-	50-150	-	
Antimony, Total	163	-	19-250	-	
Arsenic, Total	104	-	70-130	-	
Barium, Total	101	-	75-125	-	
Beryllium, Total	106	-	75-125	-	
Cadmium, Total	101	-	75-125	-	
Calcium, Total	99	-	73-128	-	
Chromium, Total	102	-	70-130	-	
Cobalt, Total	102	-	75-125	-	
Copper, Total	100	-	75-125	-	
Iron, Total	108	-	35-165	-	
Lead, Total	102	-	72-128	-	
Magnesium, Total	93	-	62-138	-	
Manganese, Total	98	-	74-126	-	
Nickel, Total	102	-	70-130	-	
Potassium, Total	94	-	59-141	-	
Selenium, Total	102	-	68-132	-	
Silver, Total	102	-	68-131	-	
Sodium, Total	107	-	35-165	-	
Thallium, Total	102	-	68-131	-	
Vanadium, Total	102	-	59-141	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03-08,10-11,13-14,16-17,19-20,22-24,26-27 Batch: WG1465687-2 SRM Lot Number: D109-540					
Zinc, Total	101	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01,03-08,10-11,13-14,16-17,19-20,22-24,26-27 Batch: WG1465688-2 SRM Lot Number: D109-540					
Mercury, Total	90	-	60-140	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

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): 28-33 QC Batch ID: WG1465520-3 WG1465520-4 QC Sample: L2107354-32 Client ID: SB-13 (0-2)												
Mercury, Total	ND	0.14	0.132	94		0.137	98		80-120	4		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

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): 28-33 QC Batch ID: WG1465544-3 WG1465544-4 QC Sample: L2107354-32 Client ID: SB-13 (0-2)											
Aluminum, Total	3160	167	3540	**227**	Q	3510	**203**	Q	75-125	1	20
Antimony, Total	ND	41.8	34.6	83		34.4	80		75-125	1	20
Arsenic, Total	0.385J	10	10.4	104		11.0	106		75-125	6	20
Barium, Total	27.8	167	187	95		193	96		75-125	3	20
Beryllium, Total	ND	4.18	3.70	88		3.76	87		75-125	2	20
Cadmium, Total	0.265J	4.27	4.47	105		4.57	104		75-125	2	20
Calcium, Total	5530	837	6540	121		6450	106		75-125	1	20
Chromium, Total	19.3	16.7	34.5	91		37.1	103		75-125	7	20
Cobalt, Total	5.81	41.8	43.2	89		44.8	90		75-125	4	20
Copper, Total	13.5	20.9	33.6	96		34.0	95		75-125	1	20
Iron, Total	8230	83.7	7700	**0**	Q	7840	**0**	Q	75-125	2	20
Lead, Total	1.68J	42.7	42.2	99		43.0	98		75-125	2	20
Magnesium, Total	6700	837	7130	**51**	Q	7660	111		75-125	7	20
Manganese, Total	126	41.8	157	**74**	Q	165	90		75-125	5	20
Nickel, Total	39.8	41.8	72.1	77		79.0	91		75-125	9	20
Potassium, Total	1130	837	1810	81		1920	92		75-125	6	20
Selenium, Total	0.291J	10	10.3	102		10.2	98		75-125	1	20
Silver, Total	ND	25.1	24.3	97		24.6	95		75-125	1	20
Sodium, Total	318	837	1270	114		1240	107		75-125	2	20
Thallium, Total	ND	10	8.85	88		9.09	88		75-125	3	20
Vanadium, Total	16.6	41.8	56.2	95		55.7	90		75-125	1	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

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): 28-33 QC Batch ID: WG1465544-3 WG1465544-4 QC Sample: L2107354-32 Client ID: SB-13 (0-2)									
Zinc, Total	13.2	41.8	53.0	95	54.6	96	75-125	3	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

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): 40,42 QC Batch ID: WG1465613-3 QC Sample: L2107336-04 Client ID: MS Sample										
Aluminum, Total	ND	2	2.14	107		-	-	75-125	-	20
Antimony, Total	0.008J	0.5	0.446	89		-	-	75-125	-	20
Arsenic, Total	0.002J	0.12	0.138	115		-	-	75-125	-	20
Barium, Total	0.043	2	2.14	105		-	-	75-125	-	20
Beryllium, Total	ND	0.05	0.054	108		-	-	75-125	-	20
Cadmium, Total	ND	0.051	0.056	110		-	-	75-125	-	20
Calcium, Total	41.1	10	52.3	112		-	-	75-125	-	20
Chromium, Total	ND	0.2	0.209	104		-	-	75-125	-	20
Cobalt, Total	0.002J	0.5	0.508	102		-	-	75-125	-	20
Copper, Total	0.012	0.25	0.270	103		-	-	75-125	-	20
Iron, Total	0.831	1	1.92	109		-	-	75-125	-	20
Lead, Total	ND	0.51	0.520	102		-	-	75-125	-	20
Magnesium, Total	7.71	10	18.2	105		-	-	75-125	-	20
Manganese, Total	0.087	0.5	0.591	101		-	-	75-125	-	20
Nickel, Total	0.003J	0.5	0.494	99		-	-	75-125	-	20
Potassium, Total	5.22	10	16.4	112		-	-	75-125	-	20
Selenium, Total	ND	0.12	0.133	111		-	-	75-125	-	20
Silver, Total	ND	0.05	0.052	104		-	-	75-125	-	20
Sodium, Total	106	10	119	**130**	Q	-	-	75-125	-	20
Thallium, Total	ND	0.12	0.122	102		-	-	75-125	-	20
Vanadium, Total	ND	0.5	0.524	105		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

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): 40,42 QC Batch ID: WG1465613-3 QC Sample: L2107336-04 Client ID: MS Sample									
Zinc, Total	0.028J	0.5	0.585	117	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 40,42 QC Batch ID: WG1465616-3 QC Sample: L2107354-40 Client ID: FIELD BLANK 1									
Mercury, Total	ND	0.005	0.00462	92	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Total Metals - Mansfield Lab Associated sample(s): 01,03-08,10-11,13-14,16-17,19-20,22-24,26-27 QC Batch ID: WG1465687-3 WG1465687-4 QC
Sample: L2107354-27 Client ID: SB-11 (0-2)

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD		RPD Limits
Aluminum, Total	4280	178	6170	**1060**	Q	5590	**726**	Q	75-125	10		20
Antimony, Total	ND	44.6	42.7	96		42.3	94		75-125	1		20
Arsenic, Total	3.81	10.7	13.2	88		13.2	87		75-125	0		20
Barium, Total	59.8	178	229	95		233	96		75-125	2		20
Beryllium, Total	0.180J	4.46	4.54	102		4.60	102		75-125	1		20
Cadmium, Total	0.287J	4.54	4.70	103		4.84	105		75-125	3		20
Calcium, Total	14500	891	16200	**191**	Q	10500	**0**	Q	75-125	**43**	Q	20
Chromium, Total	21.4	17.8	48.1	**150**	Q	76.8	**307**	Q	75-125	**46**	Q	20
Cobalt, Total	5.07	44.6	46.9	94		48.5	96		75-125	3		20
Copper, Total	37.0	22.3	41.5	**20**	Q	46.2	**41**	Q	75-125	11		20
Iron, Total	8290	89.1	10500	**2480**	Q	11400	**3450**	Q	75-125	8		20
Lead, Total	138	45.4	115	**0**	Q	124	**0**	Q	75-125	8		20
Magnesium, Total	3110	891	5860	**308**	Q	6480	**373**	Q	75-125	10		20
Manganese, Total	113	44.6	188	**168**	Q	191	**173**	Q	75-125	2		20
Nickel, Total	24.9	44.6	74.9	112		94.8	**155**	Q	75-125	**23**	Q	20
Potassium, Total	936	891	2270	**150**	Q	2380	**160**	Q	75-125	5		20
Selenium, Total	0.602J	10.7	10.8	101		10.8	100		75-125	0		20
Silver, Total	ND	26.7	27.4	102		26.7	99		75-125	3		20
Sodium, Total	320	891	1340	114		1330	112		75-125	1		20
Thallium, Total	ND	10.7	9.39	88		9.65	89		75-125	3		20
Vanadium, Total	13.2	44.6	61.7	109		61.2	106		75-125	1		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03-08,10-11,13-14,16-17,19-20,22-24,26-27 QC Batch ID: WG1465687-3 WG1465687-4 QC Sample: L2107354-27 Client ID: SB-11 (0-2)										
Zinc, Total	58.1	44.6	86.8	**64**	Q	93.6	79	75-125	8	20
Total Metals - Mansfield Lab Associated sample(s): 01,03-08,10-11,13-14,16-17,19-20,22-24,26-27 QC Batch ID: WG1465688-3 WG1465688-4 QC Sample: L2107354-27 Client ID: SB-11 (0-2)										
Mercury, Total	0.051J	0.145	0.150	103		0.157	108	80-120	5	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354

Report Date: 02/26/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 40,42 QC Batch ID: WG1465613-4 QC Sample: L2107336-04 Client ID: DUP Sample						
Iron, Total	0.831	0.844	mg/l	2		20
Total Metals - Mansfield Lab Associated sample(s): 40,42 QC Batch ID: WG1465616-4 QC Sample: L2107354-40 Client ID: FIELD BLANK 1						
Mercury, Total	ND	ND	mg/l	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-01
Client ID: SB-1 (0-1)
Sample Location: BRONX, NY

Date Collected: 02/15/21 14:15
Date Received: 02/16/21
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	76.9		%	0.100	NA	1	-	02/17/21 07:04	121,2540G	PR
Cyanide, Total	ND		mg/kg	1.3	0.27	1	02/18/21 14:30	02/19/21 11:56	1,9010C/9012B	CR
Chromium, Hexavalent	ND		mg/kg	1.04	0.208	1	02/18/21 17:32	02/18/21 23:34	1,7196A	NA

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-03
Client ID: SB-1 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 14:25
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.8		%	0.100	NA	1	-	02/17/21 07:04	121,2540G	PR
Cyanide, Total	ND		mg/kg	1.0	0.22	1	02/18/21 14:30	02/19/21 11:57	1,9010C/9012B	CR
Chromium, Hexavalent	0.248	J	mg/kg	0.862	0.172	1	02/18/21 17:32	02/18/21 23:34	1,7196A	NA

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-04
Client ID: SB-2 (0-2)
Sample Location: BRONX, NY

Date Collected: 02/15/21 10:05
Date Received: 02/16/21
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	86.2		%	0.100	NA	1	-	02/17/21 07:04	121,2540G	PR
Cyanide, Total	ND		mg/kg	1.1	0.23	1	02/18/21 14:30	02/19/21 11:58	1,9010C/9012B	CR
Chromium, Hexavalent	ND		mg/kg	0.928	0.186	1	02/18/21 17:32	02/18/21 23:34	1,7196A	NA

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-05
Client ID: SB-2 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 10:10
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.6		%	0.100	NA	1	-	02/17/21 07:04	121,2540G	PR
Cyanide, Total	ND		mg/kg	1.0	0.22	1	02/18/21 14:30	02/19/21 11:59	1,9010C/9012B	CR
Chromium, Hexavalent	ND		mg/kg	0.883	0.177	1	02/18/21 17:32	02/18/21 23:34	1,7196A	NA

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-06
Client ID: SB-3 (0-2)
Sample Location: BRONX, NY

Date Collected: 02/15/21 11:30
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.8		%	0.100	NA	1	-	02/17/21 07:04	121,2540G	PR
Cyanide, Total	ND		mg/kg	1.2	0.25	1	02/18/21 14:30	02/19/21 12:00	1,9010C/9012B	CR
Chromium, Hexavalent	ND		mg/kg	0.966	0.193	1	02/18/21 17:32	02/18/21 23:34	1,7196A	NA

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-07
Client ID: SB-3 (0-2)_DUP
Sample Location: BRONX, NY

Date Collected: 02/15/21 11:40
Date Received: 02/16/21
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	87.6		%	0.100	NA	1	-	02/17/21 07:04	121,2540G	PR
Cyanide, Total	ND		mg/kg	1.1	0.22	1	02/18/21 14:30	02/19/21 12:01	1,9010C/9012B	CR
Chromium, Hexavalent	0.320	J	mg/kg	0.913	0.183	1	02/18/21 17:32	02/18/21 23:34	1,7196A	NA

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-08
Client ID: SB-3 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 11:35
Date Received: 02/16/21
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	88.1		%	0.100	NA	1	-	02/17/21 07:42	121,2540G	PR
Cyanide, Total	ND		mg/kg	1.1	0.23	1	02/18/21 14:30	02/19/21 12:04	1,9010C/9012B	CR
Chromium, Hexavalent	ND		mg/kg	0.908	0.182	1	02/18/21 17:32	02/18/21 23:34	1,7196A	NA

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-10
Client ID: SB-4 (1-2)
Sample Location: BRONX, NY

Date Collected: 02/15/21 13:50
Date Received: 02/16/21
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	77.7		%	0.100	NA	1	-	02/17/21 07:42	121,2540G	PR
Cyanide, Total	ND		mg/kg	1.2	0.26	1	02/18/21 14:30	02/19/21 12:07	1,9010C/9012B	CR
Chromium, Hexavalent	ND		mg/kg	1.03	0.206	1	02/18/21 17:32	02/18/21 23:34	1,7196A	NA

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-11
Client ID: SB-4 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 13:55
Date Received: 02/16/21
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	76.9		%	0.100	NA	1	-	02/17/21 07:42	121,2540G	PR
Cyanide, Total	ND		mg/kg	1.2	0.26	1	02/18/21 14:30	02/19/21 12:08	1,9010C/9012B	CR
Chromium, Hexavalent	0.364	J	mg/kg	1.04	0.208	1	02/18/21 17:32	02/18/21 23:34	1,7196A	NA

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-13
Client ID: SB-5 (1-2)
Sample Location: BRONX, NY

Date Collected: 02/15/21 14:50
Date Received: 02/16/21
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	81.8		%	0.100	NA	1	-	02/17/21 07:42	121,2540G	PR
Cyanide, Total	ND		mg/kg	1.2	0.26	1	02/18/21 14:30	02/19/21 12:09	1,9010C/9012B	CR
Chromium, Hexavalent	ND		mg/kg	0.978	0.196	1	02/18/21 17:32	02/18/21 23:34	1,7196A	NA

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-14
Client ID: SB-5 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 14:55
Date Received: 02/16/21
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	81.2		%	0.100	NA	1	-	02/17/21 07:42	121,2540G	PR
Cyanide, Total	ND		mg/kg	1.1	0.24	1	02/18/21 14:30	02/19/21 12:10	1,9010C/9012B	CR
Chromium, Hexavalent	0.960	J	mg/kg	0.985	0.197	1	02/18/21 17:32	02/18/21 23:34	1,7196A	NA

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-16
Client ID: SB-6 (1-2)
Sample Location: BRONX, NY

Date Collected: 02/15/21 15:05
Date Received: 02/16/21
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	76.2		%	0.100	NA	1	-	02/17/21 07:42	121,2540G	PR
Cyanide, Total	ND		mg/kg	1.2	0.26	1	02/18/21 14:30	02/19/21 12:11	1,9010C/9012B	CR
Chromium, Hexavalent	0.302	J	mg/kg	1.05	0.210	1	02/18/21 17:32	02/18/21 23:34	1,7196A	NA

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-17
Client ID: SB-6 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 15:10
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.5		%	0.100	NA	1	-	02/17/21 07:42	121,2540G	PR
Cyanide, Total	ND		mg/kg	1.1	0.23	1	02/18/21 14:30	02/19/21 12:12	1,9010C/9012B	CR
Chromium, Hexavalent	ND		mg/kg	0.874	0.175	1	02/18/21 17:32	02/18/21 23:34	1,7196A	NA

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-19
Client ID: SB-7 (1-2)
Sample Location: BRONX, NY

Date Collected: 02/15/21 14:05
Date Received: 02/16/21
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	80.5		%	0.100	NA	1	-	02/17/21 07:42	121,2540G	PR
Cyanide, Total	ND		mg/kg	1.2	0.24	1	02/18/21 14:30	02/19/21 12:13	1,9010C/9012B	CR
Chromium, Hexavalent	ND		mg/kg	0.994	0.199	1	02/18/21 17:32	02/18/21 23:34	1,7196A	NA

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-20
Client ID: SB-7 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 14:10
Date Received: 02/16/21
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	90.4		%	0.100	NA	1	-	02/17/21 07:42	121,2540G	PR
Cyanide, Total	ND		mg/kg	1.0	0.22	1	02/18/21 14:30	02/19/21 12:16	1,9010C/9012B	CR
Chromium, Hexavalent	0.254	J	mg/kg	0.885	0.177	1	02/18/21 17:32	02/18/21 23:34	1,7196A	NA

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-22
Client ID: SB-8 (1-2)
Sample Location: BRONX, NY

Date Collected: 02/15/21 13:25
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.0		%	0.100	NA	1	-	02/17/21 07:42	121,2540G	PR
Cyanide, Total	ND		mg/kg	1.0	0.22	1	02/18/21 14:30	02/19/21 12:27	1,9010C/9012B	CR
Chromium, Hexavalent	0.250	J	mg/kg	0.870	0.174	1	02/18/21 17:32	02/18/21 23:34	1,7196A	NA

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-23
Client ID: SB-8 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 13:30
Date Received: 02/16/21
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	86.5		%	0.100	NA	1	-	02/17/21 07:42	121,2540G	PR
Cyanide, Total	ND		mg/kg	1.1	0.24	1	02/18/21 14:30	02/19/21 12:18	1,9010C/9012B	CR
Chromium, Hexavalent	ND		mg/kg	0.925	0.185	1	02/18/21 17:32	02/18/21 23:34	1,7196A	NA

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-24
Client ID: SB-9 (0-1)
Sample Location: BRONX, NY

Date Collected: 02/15/21 15:30
Date Received: 02/16/21
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	-	02/17/21 07:42	121,2540G	PR
Cyanide, Total	ND		mg/kg	1.2	0.25	1	02/18/21 22:00	02/19/21 14:46	1,9010C/9012B	CR
Chromium, Hexavalent	ND		mg/kg	1.02	0.203	1	02/18/21 17:32	02/18/21 23:34	1,7196A	NA

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-26
Client ID: SB-9 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 15:40
Date Received: 02/16/21
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	84.0		%	0.100	NA	1	-	02/17/21 07:42	121,2540G	PR
Cyanide, Total	ND		mg/kg	1.1	0.23	1	02/18/21 22:00	02/19/21 14:49	1,9010C/9012B	CR
Chromium, Hexavalent	0.333	J	mg/kg	0.952	0.190	1	02/18/21 19:17	02/19/21 17:57	1,7196A	NA

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-27
Client ID: SB-11 (0-2)
Sample Location: BRONX, NY

Date Collected: 02/15/21 11:55
Date Received: 02/16/21
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	-	02/17/21 08:22	121,2540G	PR
Cyanide, Total	ND		mg/kg	1.1	0.24	1	02/18/21 14:30	02/19/21 12:19	1,9010C/9012B	CR
Chromium, Hexavalent	0.208	J	mg/kg	0.927	0.185	1	02/18/21 17:32	02/18/21 23:34	1,7196A	NA

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-28
Client ID: SB-11 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 12:00
Date Received: 02/16/21
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	76.7		%	0.100	NA	1	-	02/17/21 07:42	121,2540G	PR
Cyanide, Total	ND		mg/kg	1.2	0.26	1	02/18/21 22:00	02/19/21 14:50	1,9010C/9012B	CR
Chromium, Hexavalent	ND		mg/kg	1.04	0.209	1	02/18/21 19:17	02/19/21 17:57	1,7196A	NA

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-29
Client ID: SB-12 (0-2)
Sample Location: BRONX, NY

Date Collected: 02/15/21 11:10
Date Received: 02/16/21
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	-	02/17/21 07:42	121,2540G	PR
Cyanide, Total	ND		mg/kg	1.0	0.22	1	02/18/21 22:00	02/19/21 14:41	1,9010C/9012B	CR
Chromium, Hexavalent	ND		mg/kg	0.905	0.181	1	02/18/21 19:17	02/19/21 17:57	1,7196A	NA

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-30
Client ID: SB-12 (0-2)_DUP
Sample Location: BRONX, NY

Date Collected: 02/15/21 11:20
Date Received: 02/16/21
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	80.3		%	0.100	NA	1	-	02/17/21 07:42	121,2540G	PR
Cyanide, Total	ND		mg/kg	1.2	0.25	1	02/18/21 22:00	02/19/21 14:51	1,9010C/9012B	CR
Chromium, Hexavalent	ND		mg/kg	0.996	0.199	1	02/18/21 19:17	02/19/21 17:57	1,7196A	NA

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-31
Client ID: SB-12 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 11:15
Date Received: 02/16/21
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	88.8		%	0.100	NA	1	-	02/17/21 08:22	121,2540G	PR
Cyanide, Total	ND		mg/kg	1.1	0.23	1	02/18/21 22:00	02/19/21 14:52	1,9010C/9012B	CR
Chromium, Hexavalent	ND		mg/kg	0.901	0.180	1	02/18/21 19:17	02/19/21 17:57	1,7196A	NA

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-32
Client ID: SB-13 (0-2)
Sample Location: BRONX, NY

Date Collected: 02/15/21 10:20
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.8		%	0.100	NA	1	-	02/17/21 08:22	121,2540G	PR
Cyanide, Total	ND		mg/kg	1.1	0.23	1	02/18/21 22:00	02/19/21 14:42	1,9010C/9012B	CR
Chromium, Hexavalent	ND		mg/kg	0.891	0.178	1	02/18/21 17:32	02/18/21 23:34	1,7196A	NA

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-33
Client ID: SB-13 (2-3)
Sample Location: BRONX, NY

Date Collected: 02/15/21 10:25
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.6		%	0.100	NA	1	-	02/17/21 08:22	121,2540G	PR
Cyanide, Total	ND		mg/kg	1.0	0.22	1	02/18/21 22:00	02/19/21 14:45	1,9010C/9012B	CR
Chromium, Hexavalent	0.196	J	mg/kg	0.873	0.175	1	02/18/21 19:17	02/19/21 17:57	1,7196A	NA

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-40
Client ID: FIELD BLANK 1
Sample Location: BRONX, NY

Date Collected: 02/15/21 16:30
Date Received: 02/16/21
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	02/17/21 11:15	02/17/21 14:01	1,9010C/9012B	CR
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	02/17/21 06:55	02/17/21 07:10	1,7196A	AW

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-41
Client ID: SB-10 (2.5-4.5)
Sample Location: BRONX, NY

Date Collected: 02/16/21 10:30
Date Received: 02/16/21
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	84.1		%	0.100	NA	1	-	02/17/21 08:22	121,2540G	PR

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

SAMPLE RESULTS

Lab ID: L2107354-42
Client ID: FIELD BLANK 2
Sample Location: BRONX, NY

Date Collected: 02/16/21 09:20
Date Received: 02/16/21
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	02/17/21 11:15	02/17/21 14:02	1,9010C/9012B	CR
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	02/17/21 06:55	02/17/21 07:11	1,7196A	AW

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2107354

Project Number: 2921 WESTCHESTER AVE **Report Date:** 02/26/21

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): 40,42 Batch: WG1465545-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	02/17/21 06:55	02/17/21 07:10	1,7196A	AW
General Chemistry - Westborough Lab for sample(s): 40,42 Batch: WG1465637-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	02/17/21 11:15	02/17/21 13:55	1,9010C/9012B	CR
General Chemistry - Westborough Lab for sample(s): 01,03-08,10 Batch: WG1466037-1										
Cyanide, Total	ND		mg/kg	0.96	0.20	1	02/18/21 14:30	02/19/21 11:52	1,9010C/9012B	CR
General Chemistry - Westborough Lab for sample(s): 11,13-14,16-17,19-20,22-23,27 Batch: WG1466039-1										
Cyanide, Total	ND		mg/kg	0.96	0.20	1	02/18/21 14:30	02/19/21 11:52	1,9010C/9012B	CR
General Chemistry - Westborough Lab for sample(s): 01,03-08,10-11,27 Batch: WG1466120-1										
Chromium, Hexavalent	0.330	J	mg/kg	0.800	0.160	1	02/18/21 17:32	02/18/21 23:34	1,7196A	NA
General Chemistry - Westborough Lab for sample(s): 13-14,16-17,19-20,22-24,32 Batch: WG1466121-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	02/18/21 17:32	02/18/21 23:34	1,7196A	NA
General Chemistry - Westborough Lab for sample(s): 26,28-31,33 Batch: WG1466123-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	02/18/21 19:17	02/19/21 17:57	1,7196A	NA
General Chemistry - Westborough Lab for sample(s): 29,32-33 Batch: WG1466156-1										
Cyanide, Total	ND		mg/kg	0.95	0.20	1	02/18/21 22:00	02/19/21 14:37	1,9010C/9012B	CR
General Chemistry - Westborough Lab for sample(s): 24,26,28,30-31 Batch: WG1466157-1										
Cyanide, Total	ND		mg/kg	0.95	0.20	1	02/18/21 22:00	02/19/21 14:37	1,9010C/9012B	CR

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 40,42 Batch: WG1465545-2								
Chromium, Hexavalent	104		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 40,42 Batch: WG1465637-2 WG1465637-3								
Cyanide, Total	100		103		85-115	3		20
General Chemistry - Westborough Lab Associated sample(s): 01,03-08,10 Batch: WG1466037-2 WG1466037-3								
Cyanide, Total	**60**	Q	**77**	Q	80-120	17		35
General Chemistry - Westborough Lab Associated sample(s): 11,13-14,16-17,19-20,22-23,27 Batch: WG1466039-2 WG1466039-3								
Cyanide, Total	**60**	Q	**77**	Q	80-120	17		35
General Chemistry - Westborough Lab Associated sample(s): 01,03-08,10-11,27 Batch: WG1466120-2								
Chromium, Hexavalent	94		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 13-14,16-17,19-20,22-24,32 Batch: WG1466121-2								
Chromium, Hexavalent	94		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 26,28-31,33 Batch: WG1466123-2								
Chromium, Hexavalent	91		-		80-120	-		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	LCS %Recovery		LCSD %Recovery		%Recovery Limits	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 29,32-33 Batch: WG1466156-2 WG1466156-3							
Cyanide, Total	**65**	Q	**64**	Q	80-120	4	35
General Chemistry - Westborough Lab Associated sample(s): 24,26,28,30-31 Batch: WG1466157-2 WG1466157-3							
Cyanide, Total	**65**	Q	**64**	Q	80-120	4	35

Matrix Spike Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

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): 40,42 QC Batch ID: WG1465545-4 QC Sample: L2107354-40 Client ID: FIELD BLANK 1												
Chromium, Hexavalent	ND	0.1	0.106	106		-	-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 40,42 QC Batch ID: WG1465637-4 WG1465637-5 QC Sample: L2107354-42 Client ID: FIELD BLANK 2												
Cyanide, Total	ND	0.2	0.174	87		0.188	94		80-120	8		20
General Chemistry - Westborough Lab Associated sample(s): 01,03-08,10 QC Batch ID: WG1466037-4 WG1466037-5 QC Sample: L2107354-08 Client ID: SB-3 (2-3)												
Cyanide, Total	ND	11	9.8	89		9.9	94		75-125	1		35
General Chemistry - Westborough Lab Associated sample(s): 11,13-14,16-17,19-20,22-23,27 QC Batch ID: WG1466039-4 WG1466039-5 QC Sample: L2107354-27 Client ID: SB-11 (0-2)												
Cyanide, Total	ND	11	11	100		11	96		75-125	0		35
General Chemistry - Westborough Lab Associated sample(s): 01,03-08,10-11,27 QC Batch ID: WG1466120-4 WG1466120-5 QC Sample: L2107354-27 Client ID: SB-11 (0-2)												
Chromium, Hexavalent	0.208J	879	866	98		1000	114		75-125	14		20
General Chemistry - Westborough Lab Associated sample(s): 13-14,16-17,19-20,22-24,32 QC Batch ID: WG1466121-4 WG1466121-5 QC Sample: L2107354-32 Client ID: SB-13 (0-2)												
Chromium, Hexavalent	ND	902	891	99		890	94		75-125	0		20
General Chemistry - Westborough Lab Associated sample(s): 26,28-31,33 QC Batch ID: WG1466123-4 QC Sample: L2107354-31 Client ID: SB-12 (2-3)												
Chromium, Hexavalent	ND	877	963	110		-	-		75-125	-		20
General Chemistry - Westborough Lab Associated sample(s): 29,32-33 QC Batch ID: WG1466156-4 WG1466156-5 QC Sample: L2107354-32 Client ID: SB-13 (0-2)												
Cyanide, Total	ND	11	10	91		9.1	86		75-125	9		35

Matrix Spike Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 24,26,28,30-31 QC Batch ID: WG1466157-4 WG1466157-5 QC Sample: L2107793-08 Client ID: MS Sample									
Cyanide, Total	ND	13	14	100	12	88	75-125	15	35

Lab Duplicate Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354

Report Date: 02/26/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 40,42 QC Batch ID: WG1465545-3 QC Sample: L2107354-40 Client ID: FIELD BLANK 1						
Chromium, Hexavalent	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 08,10-11,13-14,16-17,19-20,22-24,26,28-30 QC Batch ID: WG1465556-1 QC Sample: L2107352-01 Client ID: DUP Sample						
Solids, Total	83.2	83.1	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 27,31-33,41 QC Batch ID: WG1465570-1 QC Sample: L2107354-27 Client ID: SB-11 (0-2)						
Solids, Total	86.3	89.2	%	3		20
General Chemistry - Westborough Lab Associated sample(s): 01,03-08,10-11,27 QC Batch ID: WG1466120-7 QC Sample: L2107354-27 Client ID: SB-11 (0-2)						
Chromium, Hexavalent	0.208J	ND	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 13-14,16-17,19-20,22-24,32 QC Batch ID: WG1466121-7 QC Sample: L2107354-32 Client ID: SB-13 (0-2)						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 26,28-31,33 QC Batch ID: WG1466123-6 QC Sample: L2107354-31 Client ID: SB-12 (2-3)						
Chromium, Hexavalent	ND	0.428J	mg/kg	NC		20

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

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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
H	Absent
I	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2107354-01A	5 gram Encore Sampler	B	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L2107354-01B	5 gram Encore Sampler	B	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L2107354-01C	5 gram Encore Sampler	B	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L2107354-01D	Plastic 2oz unpreserved for TS	A	NA		3.7	Y	Absent		TS(7)
L2107354-01E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		4.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),CR-TI(180),AL-TI(180),CU-TI(180),SE-TI(180),ZN-TI(180),PB-TI(180),SB-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MN-TI(180),HG-T(28),MG-TI(180),K-TI(180),CA-TI(180),NA-TI(180),CD-TI(180)
L2107354-01F	Glass 120ml/4oz unpreserved/No Headspace	B	NA		4.8	Y	Absent		HEXCR-7196(30)
L2107354-01G	Plastic 8oz unpreserved	H	NA		5.0	Y	Absent		A2-NY-537-ISOTOPE(14)
L2107354-01H	Glass 500ml/16oz unpreserved	B	NA		4.8	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14)
L2107354-01I	Plastic 2oz unpreserved for TS	D	NA		4.8	Y	Absent		TS(7)
L2107354-01X	Vial MeOH preserved split	B	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L2107354-01Y	Vial Water preserved split	B	NA		4.8	Y	Absent	17-FEB-21 07:01	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2107354-01Z	Vial Water preserved split	B	NA		4.8	Y	Absent	17-FEB-21 07:01	NYTCL-8260HLW(14)
L2107354-02A	5 gram Encore Sampler	B	NA		4.8	Y	Absent		HOLD-8260HLW(14)
L2107354-02B	5 gram Encore Sampler	B	NA		4.8	Y	Absent		HOLD-8260HLW(14)
L2107354-02C	5 gram Encore Sampler	B	NA		4.8	Y	Absent		HOLD-8260HLW(14)
L2107354-02D	Plastic 2oz unpreserved for TS	A	NA		3.7	Y	Absent		HOLD-WETCHEM()
L2107354-02X	Vial MeOH preserved split	B	NA		4.8	Y	Absent		HOLD-8260HLW(14)
L2107354-02Y	Vial Water preserved split	B	NA		4.8	Y	Absent	17-FEB-21 07:01	HOLD-8260HLW(14)
L2107354-02Z	Vial Water preserved split	B	NA		4.8	Y	Absent	17-FEB-21 07:01	HOLD-8260HLW(14)
L2107354-03A	5 gram Encore Sampler	B	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L2107354-03B	5 gram Encore Sampler	B	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L2107354-03C	5 gram Encore Sampler	B	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L2107354-03D	Plastic 2oz unpreserved for TS	C	NA		5.7	Y	Absent		TS(7)
L2107354-03E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		4.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),CU-TI(180),SB-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),HG-T(28),MG-TI(180),FE-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L2107354-03F	Glass 120ml/4oz unpreserved/No Headspace	B	NA		4.8	Y	Absent		HEXCR-7196(30)
L2107354-03G	Plastic 8oz unpreserved	H	NA		5.0	Y	Absent		A2-NY-537-ISOTOPE(14)
L2107354-03H	Glass 500ml/16oz unpreserved	B	NA		4.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14)
L2107354-03I	Plastic 2oz unpreserved for TS	B	NA		4.8	Y	Absent		TS(7)
L2107354-03X	Vial MeOH preserved split	B	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L2107354-03Y	Vial Water preserved split	B	NA		4.8	Y	Absent	17-FEB-21 07:01	NYTCL-8260HLW(14)
L2107354-03Z	Vial Water preserved split	B	NA		4.8	Y	Absent	17-FEB-21 07:01	NYTCL-8260HLW(14)
L2107354-04A	5 gram Encore Sampler	C	NA		5.7	Y	Absent		NYTCL-8260HLW(14)
L2107354-04B	5 gram Encore Sampler	C	NA		5.7	Y	Absent		NYTCL-8260HLW(14)
L2107354-04C	5 gram Encore Sampler	C	NA		5.7	Y	Absent		NYTCL-8260HLW(14)
L2107354-04D	Plastic 2oz unpreserved for TS	C	NA		5.7	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2107354-04E	Metals Only-Glass 60mL/2oz unpreserved	C	NA		5.7	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),SB-TI(180),CU-TI(180),ZN-TI(180),PB-TI(180),SE-TI(180),V-TI(180),CO-TI(180),MN-TI(180),FE-TI(180),HG-T(28),MG-TI(180),K-TI(180),CD-TI(180),NA-TI(180),CA-TI(180)
L2107354-04F	Glass 120ml/4oz unpreserved/No Headspace	C	NA		5.7	Y	Absent		HEXCR-7196(30)
L2107354-04G	Plastic 8oz unpreserved	H	NA		5.0	Y	Absent		A2-NY-537-ISOTOPE(14)
L2107354-04H	Glass 500ml/16oz unpreserved	C	NA		5.7	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14)
L2107354-04I	Plastic 2oz unpreserved for TS	H	NA		5.0	Y	Absent		TS(7)
L2107354-04X	Vial MeOH preserved split	C	NA		5.7	Y	Absent		NYTCL-8260HLW(14)
L2107354-04Y	Vial Water preserved split	C	NA		5.7	Y	Absent	17-FEB-21 07:01	NYTCL-8260HLW(14)
L2107354-04Z	Vial Water preserved split	C	NA		5.7	Y	Absent	17-FEB-21 07:01	NYTCL-8260HLW(14)
L2107354-05A	5 gram Encore Sampler	B	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L2107354-05B	5 gram Encore Sampler	B	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L2107354-05C	5 gram Encore Sampler	B	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L2107354-05D	Plastic 2oz unpreserved for TS	B	NA		4.8	Y	Absent		TS(7)
L2107354-05E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		4.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),SE-TI(180),SB-TI(180),ZN-TI(180),PB-TI(180),CU-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MG-TI(180),MN-TI(180),HG-T(28),K-TI(180),NA-TI(180),CA-TI(180),CD-TI(180)
L2107354-05F	Glass 120ml/4oz unpreserved/No Headspace	B	NA		4.8	Y	Absent		HEXCR-7196(30)
L2107354-05G	Plastic 8oz unpreserved	H	NA		5.0	Y	Absent		A2-NY-537-ISOTOPE(14)
L2107354-05H	Glass 500ml/16oz unpreserved	B	NA		4.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14)
L2107354-05I	Plastic 2oz unpreserved for TS	H	NA		5.0	Y	Absent		TS(7)
L2107354-05X	Vial MeOH preserved split	B	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L2107354-05Y	Vial Water preserved split	B	NA		4.8	Y	Absent	17-FEB-21 07:01	NYTCL-8260HLW(14)
L2107354-05Z	Vial Water preserved split	B	NA		4.8	Y	Absent	17-FEB-21 07:01	NYTCL-8260HLW(14)
L2107354-06A	5 gram Encore Sampler	I	NA		4.1	Y	Absent		NYTCL-8260HLW(14)
L2107354-06B	5 gram Encore Sampler	I	NA		4.1	Y	Absent		NYTCL-8260HLW(14)
L2107354-06C	5 gram Encore Sampler	I	NA		4.1	Y	Absent		NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2107354-06D	Plastic 2oz unpreserved for TS	I	NA		4.1	Y	Absent		TS(7)
L2107354-06E	Metals Only-Glass 60mL/2oz unpreserved	I	NA		4.1	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),TL-TI(180),AL-TI(180),ZN-TI(180),PB-TI(180),CU-TI(180),SE-TI(180),SB-TI(180),CO-TI(180),V-TI(180),MN-TI(180),MG-TI(180),FE-TI(180),HG-T(28),CA-TI(180),NA-TI(180),CD-TI(180),K-TI(180)
L2107354-06F	Glass 120ml/4oz unpreserved/No Headspace	I	NA		4.1	Y	Absent		HEXCR-7196(30)
L2107354-06G	Plastic 8oz unpreserved	H	NA		5.0	Y	Absent		A2-NY-537-ISOTOPE(14)
L2107354-06H	Glass 500ml/16oz unpreserved	I	NA		4.1	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14)
L2107354-06I	Plastic 2oz unpreserved for TS	I	NA		4.1	Y	Absent		TS(7)
L2107354-06X	Vial MeOH preserved split	I	NA		4.1	Y	Absent		NYTCL-8260HLW(14)
L2107354-06Y	Vial Water preserved split	I	NA		4.1	Y	Absent	17-FEB-21 07:01	NYTCL-8260HLW(14)
L2107354-06Z	Vial Water preserved split	I	NA		4.1	Y	Absent	17-FEB-21 07:01	NYTCL-8260HLW(14)
L2107354-07A	5 gram Encore Sampler	I	NA		4.1	Y	Absent		NYTCL-8260HLW(14)
L2107354-07B	5 gram Encore Sampler	I	NA		4.1	Y	Absent		NYTCL-8260HLW(14)
L2107354-07C	5 gram Encore Sampler	I	NA		4.1	Y	Absent		NYTCL-8260HLW(14)
L2107354-07D	Plastic 2oz unpreserved for TS	I	NA		4.1	Y	Absent		TS(7)
L2107354-07E	Metals Only-Glass 60mL/2oz unpreserved	I	NA		4.1	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),SE-TI(180),SB-TI(180),CU-TI(180),PB-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MN-TI(180),HG-T(28),MG-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L2107354-07F	Glass 120ml/4oz unpreserved/No Headspace	I	NA		4.1	Y	Absent		HEXCR-7196(30)
L2107354-07G	Plastic 8oz unpreserved	H	NA		5.0	Y	Absent		A2-NY-537-ISOTOPE(14)
L2107354-07H	Glass 500ml/16oz unpreserved	I	NA		4.1	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14)
L2107354-07I	Plastic 2oz unpreserved for TS	I	NA		4.1	Y	Absent		TS(7)
L2107354-07X	Vial MeOH preserved split	I	NA		4.1	Y	Absent		NYTCL-8260HLW(14)
L2107354-07Y	Vial Water preserved split	I	NA		4.1	Y	Absent	17-FEB-21 07:01	NYTCL-8260HLW(14)
L2107354-07Z	Vial Water preserved split	I	NA		4.1	Y	Absent	17-FEB-21 07:01	NYTCL-8260HLW(14)
L2107354-08A	5 gram Encore Sampler	I	NA		4.1	Y	Absent		NYTCL-8260HLW(14)
L2107354-08B	5 gram Encore Sampler	I	NA		4.1	Y	Absent		NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2107354-08C	5 gram Encore Sampler	I	NA		4.1	Y	Absent		NYTCL-8260HLW(14)
L2107354-08D	Plastic 2oz unpreserved for TS	I	NA		4.1	Y	Absent		TS(7)
L2107354-08E	Metals Only-Glass 60mL/2oz unpreserved	I	NA		4.1	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),CR-TI(180),TL-TI(180),CU-TI(180),SE-TI(180),SB-TI(180),ZN-TI(180),PB-TI(180),V-TI(180),CO-TI(180),HG-T(28),MN-TI(180),MG-TI(180),FE-TI(180),CD-TI(180),NA-TI(180),K-TI(180),CA-TI(180)
L2107354-08F	Glass 120ml/4oz unpreserved/No Headspace	I	NA		4.1	Y	Absent		HEXCR-7196(30)
L2107354-08G	Plastic 8oz unpreserved	H	NA		5.0	Y	Absent		A2-NY-537-ISOTOPE(14)
L2107354-08H	Glass 500ml/16oz unpreserved	I	NA		4.1	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14)
L2107354-08I	Plastic 2oz unpreserved for TS	I	NA		4.1	Y	Absent		TS(7)
L2107354-08X	Vial MeOH preserved split	I	NA		4.1	Y	Absent		NYTCL-8260HLW(14)
L2107354-08Y	Vial Water preserved split	I	NA		4.1	Y	Absent	17-FEB-21 07:01	NYTCL-8260HLW(14)
L2107354-08Z	Vial Water preserved split	I	NA		4.1	Y	Absent	17-FEB-21 07:01	NYTCL-8260HLW(14)
L2107354-09A	5 gram Encore Sampler	A	NA		3.7	Y	Absent		HOLD-8260HLW(14)
L2107354-09B	5 gram Encore Sampler	A	NA		3.7	Y	Absent		HOLD-8260HLW(14)
L2107354-09C	5 gram Encore Sampler	A	NA		3.7	Y	Absent		HOLD-8260HLW(14)
L2107354-09D	Plastic 2oz unpreserved for TS	A	NA		3.7	Y	Absent		HOLD-WETCHEM()
L2107354-09X	Vial MeOH preserved split	A	NA		3.7	Y	Absent		HOLD-8260HLW(14)
L2107354-09Y	Vial Water preserved split	A	NA		3.7	Y	Absent	17-FEB-21 07:01	HOLD-8260HLW(14)
L2107354-09Z	Vial Water preserved split	A	NA		3.7	Y	Absent	17-FEB-21 07:01	HOLD-8260HLW(14)
L2107354-10A	5 gram Encore Sampler	A	NA		3.7	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L2107354-10B	5 gram Encore Sampler	A	NA		3.7	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L2107354-10C	5 gram Encore Sampler	A	NA		3.7	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L2107354-10D	Plastic 2oz unpreserved for TS	A	NA		3.7	Y	Absent		TS(7)
L2107354-10E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.7	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),CR-TI(180),AL-TI(180),ZN-TI(180),SB-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),V-TI(180),CO-TI(180),HG-T(28),FE-TI(180),MN-TI(180),MG-TI(180),NA-TI(180),CD-TI(180),CA-TI(180),K-TI(180)
L2107354-10F	Glass 120ml/4oz unpreserved/No Headspace	A	NA		3.7	Y	Absent		HEXCR-7196(30)

*Values in parentheses indicate holding time in days

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2107354-10G	Plastic 8oz unpreserved	H	NA		5.0	Y	Absent		A2-NY-537-ISOTOPE(14)
L2107354-10H	Glass 500ml/16oz unpreserved	A	NA		3.7	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14)
L2107354-10I	Plastic 2oz unpreserved for TS	A	NA		3.7	Y	Absent		TS(7)
L2107354-10X	Vial MeOH preserved split	A	NA		3.7	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L2107354-10Y	Vial Water preserved split	A	NA		3.7	Y	Absent	17-FEB-21 07:01	NYTCL-8260H(14),NYTCL-8260HLW(14)
L2107354-10Z	Vial Water preserved split	A	NA		3.7	Y	Absent	17-FEB-21 07:01	NYTCL-8260H(14),NYTCL-8260HLW(14)
L2107354-11A	5 gram Encore Sampler	A	NA		3.7	Y	Absent		NYTCL-8260HLW(14)
L2107354-11B	5 gram Encore Sampler	A	NA		3.7	Y	Absent		NYTCL-8260HLW(14)
L2107354-11C	5 gram Encore Sampler	A	NA		3.7	Y	Absent		NYTCL-8260HLW(14)
L2107354-11D	Plastic 2oz unpreserved for TS	A	NA		3.7	Y	Absent		TS(7)
L2107354-11E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.7	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),AL-TI(180),NI-TI(180),CR-TI(180),SB-TI(180),ZN-TI(180),PB-TI(180),SE-TI(180),CU-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MG-TI(180),HG-T(28),MN-TI(180),K-TI(180),CD-TI(180),CA-TI(180),NA-TI(180)
L2107354-11F	Glass 120ml/4oz unpreserved/No Headspace	A	NA		3.7	Y	Absent		HEXCR-7196(30)
L2107354-11G	Plastic 8oz unpreserved	H	NA		5.0	Y	Absent		A2-NY-537-ISOTOPE(14)
L2107354-11H	Glass 500ml/16oz unpreserved	A	NA		3.7	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14)
L2107354-11I	Plastic 2oz unpreserved for TS	A	NA		3.7	Y	Absent		TS(7)
L2107354-11X	Vial MeOH preserved split	A	NA		3.7	Y	Absent		NYTCL-8260HLW(14)
L2107354-11Y	Vial Water preserved split	A	NA		3.7	Y	Absent	17-FEB-21 07:01	NYTCL-8260HLW(14)
L2107354-11Z	Vial Water preserved split	A	NA		3.7	Y	Absent	17-FEB-21 07:01	NYTCL-8260HLW(14)
L2107354-12A	5 gram Encore Sampler	E	NA		4.6	Y	Absent		HOLD-8260HLW(14)
L2107354-12B	5 gram Encore Sampler	E	NA		4.6	Y	Absent		HOLD-8260HLW(14)
L2107354-12C	5 gram Encore Sampler	E	NA		4.6	Y	Absent		HOLD-8260HLW(14)
L2107354-12D	Plastic 2oz unpreserved for TS	E	NA		4.6	Y	Absent		HOLD-WETCHEM()
L2107354-12X	Vial MeOH preserved split	E	NA		4.6	Y	Absent		HOLD-8260HLW(14)
L2107354-12Y	Vial Water preserved split	E	NA		4.6	Y	Absent	17-FEB-21 07:01	HOLD-8260HLW(14)
L2107354-12Z	Vial Water preserved split	E	NA		4.6	Y	Absent	17-FEB-21 07:01	HOLD-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2107354-13A	5 gram Encore Sampler	E	NA		4.6	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L2107354-13B	5 gram Encore Sampler	E	NA		4.6	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L2107354-13C	5 gram Encore Sampler	E	NA		4.6	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L2107354-13D	Plastic 2oz unpreserved for TS	E	NA		4.6	Y	Absent		TS(7)
L2107354-13E	Metals Only-Glass 60mL/2oz unpreserved	E	NA		4.6	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),CR-TI(180),SB-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),MN-TI(180),MG-TI(180),HG-T(28),FE-TI(180),NA-TI(180),CA-TI(180),CD-TI(180),K-TI(180)
L2107354-13F	Glass 120ml/4oz unpreserved/No Headspace	E	NA		4.6	Y	Absent		HEXCR-7196(30)
L2107354-13G	Plastic 8oz unpreserved	D	NA		4.8	Y	Absent		A2-NY-537-ISOTOPE(14)
L2107354-13H	Glass 500ml/16oz unpreserved	E	NA		4.6	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14)
L2107354-13I	Plastic 2oz unpreserved for TS	E	NA		4.6	Y	Absent		TS(7)
L2107354-13X	Vial MeOH preserved split	E	NA		4.6	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L2107354-13Y	Vial Water preserved split	E	NA		4.6	Y	Absent	17-FEB-21 07:01	NYTCL-8260H(14),NYTCL-8260HLW(14)
L2107354-13Z	Vial Water preserved split	E	NA		4.6	Y	Absent	17-FEB-21 07:01	NYTCL-8260H(14),NYTCL-8260HLW(14)
L2107354-14A	5 gram Encore Sampler	E	NA		4.6	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L2107354-14B	5 gram Encore Sampler	E	NA		4.6	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L2107354-14C	5 gram Encore Sampler	E	NA		4.6	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L2107354-14D	Plastic 2oz unpreserved for TS	E	NA		4.6	Y	Absent		TS(7)
L2107354-14E	Metals Only-Glass 60mL/2oz unpreserved	E	NA		4.6	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),SB-TI(180),PB-TI(180),ZN-TI(180),CU-TI(180),SE-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MG-TI(180),MN-TI(180),HG-T(28),CA-TI(180),NA-TI(180),K-TI(180),CD-TI(180)
L2107354-14F	Glass 120ml/4oz unpreserved/No Headspace	E	NA		4.6	Y	Absent		HEXCR-7196(30)
L2107354-14G	Plastic 8oz unpreserved	D	NA		4.8	Y	Absent		A2-NY-537-ISOTOPE(14)
L2107354-14H	Glass 500ml/16oz unpreserved	E	NA		4.6	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14)
L2107354-14I	Plastic 2oz unpreserved for TS	E	NA		4.6	Y	Absent		TS(7)
L2107354-14X	Vial MeOH preserved split	E	NA		4.6	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L2107354-14Y	Vial Water preserved split	E	NA		4.6	Y	Absent	17-FEB-21 07:01	NYTCL-8260H(14),NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2107354-14Z	Vial Water preserved split	E	NA		4.6	Y	Absent	17-FEB-21 07:01	NYTCL-8260H(14),NYTCL-8260HLW(14)
L2107354-15A	5 gram Encore Sampler	E	NA		4.6	Y	Absent		HOLD-8260HLW(14)
L2107354-15B	5 gram Encore Sampler	E	NA		4.6	Y	Absent		HOLD-8260HLW(14)
L2107354-15C	5 gram Encore Sampler	E	NA		4.6	Y	Absent		HOLD-8260HLW(14)
L2107354-15D	Plastic 2oz unpreserved for TS	E	NA		4.6	Y	Absent		HOLD-WETCHEM()
L2107354-15X	Vial MeOH preserved split	E	NA		4.6	Y	Absent		HOLD-8260HLW(14)
L2107354-15Y	Vial Water preserved split	E	NA		4.6	Y	Absent	17-FEB-21 07:01	HOLD-8260HLW(14)
L2107354-15Z	Vial Water preserved split	E	NA		4.6	Y	Absent	17-FEB-21 07:01	HOLD-8260HLW(14)
L2107354-16A	5 gram Encore Sampler	E	NA		4.6	Y	Absent		NYTCL-8260HLW(14)
L2107354-16B	5 gram Encore Sampler	E	NA		4.6	Y	Absent		NYTCL-8260HLW(14)
L2107354-16C	5 gram Encore Sampler	E	NA		4.6	Y	Absent		NYTCL-8260HLW(14)
L2107354-16D	Plastic 2oz unpreserved for TS	E	NA		4.6	Y	Absent		TS(7)
L2107354-16E	Metals Only-Glass 60mL/2oz unpreserved	E	NA		4.6	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),AL-TI(180),TL-TI(180),NI-TI(180),ZN-TI(180),SB-TI(180),PB-TI(180),SE-TI(180),CU-TI(180),V-TI(180),CO-TI(180),HG-T(28),MN-TI(180),MG-TI(180),FE-TI(180),CD-TI(180),K-TI(180),CA-TI(180),NA-TI(180)
L2107354-16F	Glass 120ml/4oz unpreserved/No Headspace	E	NA		4.6	Y	Absent		HEXCR-7196(30)
L2107354-16G	Plastic 8oz unpreserved	D	NA		4.8	Y	Absent		A2-NY-537-ISOTOPE(14)
L2107354-16H	Glass 500ml/16oz unpreserved	E	NA		4.6	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14)
L2107354-16I	Plastic 2oz unpreserved for TS	E	NA		4.6	Y	Absent		TS(7)
L2107354-16X	Vial MeOH preserved split	E	NA		4.6	Y	Absent		NYTCL-8260HLW(14)
L2107354-16Y	Vial Water preserved split	E	NA		4.6	Y	Absent	17-FEB-21 06:50	NYTCL-8260HLW(14)
L2107354-16Z	Vial Water preserved split	E	NA		4.6	Y	Absent	17-FEB-21 06:50	NYTCL-8260HLW(14)
L2107354-17A	5 gram Encore Sampler	E	NA		4.6	Y	Absent		NYTCL-8260HLW(14)
L2107354-17B	5 gram Encore Sampler	E	NA		4.6	Y	Absent		NYTCL-8260HLW(14)
L2107354-17C	5 gram Encore Sampler	E	NA		4.6	Y	Absent		NYTCL-8260HLW(14)
L2107354-17D	Plastic 2oz unpreserved for TS	E	NA		4.6	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2107354-17E	Metals Only-Glass 60mL/2oz unpreserved	E	NA		4.6	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),PB-TI(180),SB-TI(180),ZN-TI(180),CU-TI(180),SE-TI(180),V-TI(180),CO-TI(180),MG-TI(180),HG-T(28),FE-TI(180),MN-TI(180),NA-TI(180),CA-TI(180),K-TI(180),CD-TI(180)
L2107354-17F	Glass 120ml/4oz unpreserved/No Headspace	E	NA		4.6	Y	Absent		HEXCR-7196(30)
L2107354-17G	Plastic 8oz unpreserved	D	NA		4.8	Y	Absent		A2-NY-537-ISOTOPE(14)
L2107354-17H	Glass 500ml/16oz unpreserved	E	NA		4.6	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14)
L2107354-17I	Plastic 2oz unpreserved for TS	E	NA		4.6	Y	Absent		TS(7)
L2107354-17X	Vial MeOH preserved split	E	NA		4.6	Y	Absent		NYTCL-8260HLW(14)
L2107354-17Y	Vial Water preserved split	E	NA		4.6	Y	Absent	17-FEB-21 06:50	NYTCL-8260HLW(14)
L2107354-17Z	Vial Water preserved split	E	NA		4.6	Y	Absent	17-FEB-21 06:50	NYTCL-8260HLW(14)
L2107354-18A	5 gram Encore Sampler	A	NA		3.7	Y	Absent		HOLD-8260HLW(14)
L2107354-18B	5 gram Encore Sampler	A	NA		3.7	Y	Absent		HOLD-8260HLW(14)
L2107354-18C	5 gram Encore Sampler	A	NA		3.7	Y	Absent		HOLD-8260HLW(14)
L2107354-18D	Plastic 2oz unpreserved for TS	A	NA		3.7	Y	Absent		HOLD-WETCHEM()
L2107354-18X	Vial MeOH preserved split	A	NA		3.7	Y	Absent		HOLD-8260HLW(14)
L2107354-18Y	Vial Water preserved split	A	NA		3.7	Y	Absent	17-FEB-21 06:50	HOLD-8260HLW(14)
L2107354-18Z	Vial Water preserved split	A	NA		3.7	Y	Absent	17-FEB-21 06:50	HOLD-8260HLW(14)
L2107354-19A	5 gram Encore Sampler	A	NA		3.7	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L2107354-19B	5 gram Encore Sampler	A	NA		3.7	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L2107354-19C	5 gram Encore Sampler	A	NA		3.7	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L2107354-19D	Plastic 2oz unpreserved for TS	A	NA		3.7	Y	Absent		TS(7)
L2107354-19E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.7	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),CR-TI(180),TL-TI(180),SB-TI(180),PB-TI(180),SE-TI(180),CU-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CD-TI(180),NA-TI(180),CA-TI(180),K-TI(180)
L2107354-19F	Glass 120ml/4oz unpreserved/No Headspace	A	NA		3.7	Y	Absent		HEXCR-7196(30)
L2107354-19G	Plastic 8oz unpreserved	D	NA		4.8	Y	Absent		A2-NY-537-ISOTOPE(14)
L2107354-19H	Glass 500ml/16oz unpreserved	A	NA		3.7	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14)

*Values in parentheses indicate holding time in days

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2107354-19I	Plastic 2oz unpreserved for TS	A	NA		3.7	Y	Absent		TS(7)
L2107354-19X	Vial MeOH preserved split	A	NA		3.7	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L2107354-19Y	Vial Water preserved split	A	NA		3.7	Y	Absent	17-FEB-21 06:50	NYTCL-8260H(14),NYTCL-8260HLW(14)
L2107354-19Z	Vial Water preserved split	A	NA		3.7	Y	Absent	17-FEB-21 06:50	NYTCL-8260H(14),NYTCL-8260HLW(14)
L2107354-20A	5 gram Encore Sampler	A	NA		3.7	Y	Absent		NYTCL-8260HLW(14)
L2107354-20B	5 gram Encore Sampler	A	NA		3.7	Y	Absent		NYTCL-8260HLW(14)
L2107354-20C	5 gram Encore Sampler	A	NA		3.7	Y	Absent		NYTCL-8260HLW(14)
L2107354-20D	Plastic 2oz unpreserved for TS	A	NA		3.7	Y	Absent		TS(7)
L2107354-20E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.7	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),PB-TI(180),ZN-TI(180),SB-TI(180),CU-TI(180),SE-TI(180),CO-TI(180),V-TI(180),MG-TI(180),HG-T(28),MN-TI(180),FE-TI(180),CA-TI(180),K-TI(180),CD-TI(180),NA-TI(180)
L2107354-20F	Glass 120ml/4oz unpreserved/No Headspace	A	NA		3.7	Y	Absent		HEXCR-7196(30)
L2107354-20G	Plastic 8oz unpreserved	D	NA		4.8	Y	Absent		A2-NY-537-ISOTOPE(14)
L2107354-20H	Glass 500ml/16oz unpreserved	A	NA		3.7	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14)
L2107354-20I	Plastic 2oz unpreserved for TS	A	NA		3.7	Y	Absent		TS(7)
L2107354-20X	Vial MeOH preserved split	A	NA		3.7	Y	Absent		NYTCL-8260HLW(14)
L2107354-20Y	Vial Water preserved split	A	NA		3.7	Y	Absent	17-FEB-21 06:50	NYTCL-8260HLW(14)
L2107354-20Z	Vial Water preserved split	A	NA		3.7	Y	Absent	17-FEB-21 06:50	NYTCL-8260HLW(14)
L2107354-21A	5 gram Encore Sampler	A	NA		3.7	Y	Absent		HOLD-8260HLW(14)
L2107354-21B	5 gram Encore Sampler	A	NA		3.7	Y	Absent		HOLD-8260HLW(14)
L2107354-21C	5 gram Encore Sampler	A	NA		3.7	Y	Absent		HOLD-8260HLW(14)
L2107354-21D	Plastic 2oz unpreserved for TS	A	NA		3.7	Y	Absent		HOLD-WETCHEM()
L2107354-21X	Vial MeOH preserved split	A	NA		3.7	Y	Absent		HOLD-8260HLW(14)
L2107354-21Y	Vial Water preserved split	A	NA		3.7	Y	Absent	17-FEB-21 06:50	HOLD-8260HLW(14)
L2107354-21Z	Vial Water preserved split	A	NA		3.7	Y	Absent	17-FEB-21 06:50	HOLD-8260HLW(14)
L2107354-22A	5 gram Encore Sampler	A	NA		3.7	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L2107354-22B	5 gram Encore Sampler	A	NA		3.7	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2107354-22C	5 gram Encore Sampler	A	NA		3.7	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L2107354-22D	Plastic 2oz unpreserved for TS	A	NA		3.7	Y	Absent		TS(7)
L2107354-22E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.7	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),AL-TI(180),TL-TI(180),NI-TI(180),SB-TI(180),PB-TI(180),ZN-TI(180),CU-TI(180),SE-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MN-TI(180),HG-T(28),MG-TI(180),CD-TI(180),CA-TI(180),K-TI(180),NA-TI(180)
L2107354-22F	Glass 120ml/4oz unpreserved/No Headspace	A	NA		3.7	Y	Absent		HEXCR-7196(30)
L2107354-22G	Plastic 8oz unpreserved	D	NA		4.8	Y	Absent		A2-NY-537-ISOTOPE(14)
L2107354-22H	Glass 500ml/16oz unpreserved	A	NA		3.7	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14)
L2107354-22I	Plastic 2oz unpreserved for TS	A	NA		3.7	Y	Absent		TS(7)
L2107354-22X	Vial MeOH preserved split	A	NA		3.7	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L2107354-22Y	Vial Water preserved split	A	NA		3.7	Y	Absent	17-FEB-21 06:50	NYTCL-8260H(14),NYTCL-8260HLW(14)
L2107354-22Z	Vial Water preserved split	A	NA		3.7	Y	Absent	17-FEB-21 06:50	NYTCL-8260H(14),NYTCL-8260HLW(14)
L2107354-23A	5 gram Encore Sampler	A	NA		3.7	Y	Absent		NYTCL-8260HLW(14)
L2107354-23B	5 gram Encore Sampler	A	NA		3.7	Y	Absent		NYTCL-8260HLW(14)
L2107354-23C	5 gram Encore Sampler	A	NA		3.7	Y	Absent		NYTCL-8260HLW(14)
L2107354-23D	Plastic 2oz unpreserved for TS	A	NA		3.7	Y	Absent		TS(7)
L2107354-23E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.7	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),CU-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),PB-TI(180),V-TI(180),CO-TI(180),HG-T(28),MG-TI(180),FE-TI(180),MN-TI(180),NA-TI(180),K-TI(180),CA-TI(180),CD-TI(180)
L2107354-23F	Glass 120ml/4oz unpreserved/No Headspace	A	NA		3.7	Y	Absent		HEXCR-7196(30)
L2107354-23G	Plastic 8oz unpreserved	D	NA		4.8	Y	Absent		A2-NY-537-ISOTOPE(14)
L2107354-23H	Glass 500ml/16oz unpreserved	A	NA		3.7	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14)
L2107354-23I	Plastic 2oz unpreserved for TS	A	NA		3.7	Y	Absent		TS(7)
L2107354-23X	Vial MeOH preserved split	A	NA		3.7	Y	Absent		NYTCL-8260HLW(14)
L2107354-23Y	Vial Water preserved split	A	NA		3.7	Y	Absent	17-FEB-21 06:50	NYTCL-8260HLW(14)
L2107354-23Z	Vial Water preserved split	A	NA		3.7	Y	Absent	17-FEB-21 06:50	NYTCL-8260HLW(14)
L2107354-24A	5 gram Encore Sampler	E	NA		4.6	Y	Absent		NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2107354-24B	5 gram Encore Sampler	E	NA		4.6	Y	Absent		NYTCL-8260HLW(14)
L2107354-24C	5 gram Encore Sampler	E	NA		4.6	Y	Absent		NYTCL-8260HLW(14)
L2107354-24D	Plastic 2oz unpreserved for TS	E	NA		4.6	Y	Absent		TS(7)
L2107354-24E	Metals Only-Glass 60mL/2oz unpreserved	E	NA		4.6	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),ZN-TI(180),SB-TI(180),SE-TI(180),V-TI(180),CO-TI(180),HG-T(28),MG-TI(180),MN-TI(180),FE-TI(180),CD-TI(180),K-TI(180),CA-TI(180),NA-TI(180)
L2107354-24F	Glass 120ml/4oz unpreserved/No Headspace	E	NA		4.6	Y	Absent		HEXCR-7196(30)
L2107354-24G	Plastic 8oz unpreserved	H	NA		5.0	Y	Absent		A2-NY-537-ISOTOPE(14)
L2107354-24H	Glass 500ml/16oz unpreserved	E	NA		4.6	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14)
L2107354-24I	Plastic 2oz unpreserved for TS	E	NA		4.6	Y	Absent		TS(7)
L2107354-24X	Vial MeOH preserved split	E	NA		4.6	Y	Absent		NYTCL-8260HLW(14)
L2107354-24Y	Vial Water preserved split	E	NA		4.6	Y	Absent	17-FEB-21 06:50	NYTCL-8260HLW(14)
L2107354-24Z	Vial Water preserved split	E	NA		4.6	Y	Absent	17-FEB-21 06:50	NYTCL-8260HLW(14)
L2107354-25A	5 gram Encore Sampler	E	NA		4.6	Y	Absent		HOLD-8260HLW(14)
L2107354-25B	5 gram Encore Sampler	E	NA		4.6	Y	Absent		HOLD-8260HLW(14)
L2107354-25C	5 gram Encore Sampler	E	NA		4.6	Y	Absent		HOLD-8260HLW(14)
L2107354-25D	Plastic 2oz unpreserved for TS	E	NA		4.6	Y	Absent		HOLD-WETCHEM()
L2107354-25X	Vial MeOH preserved split	E	NA		4.6	Y	Absent		HOLD-8260HLW(14)
L2107354-25Y	Vial Water preserved split	E	NA		4.6	Y	Absent	17-FEB-21 06:50	HOLD-8260HLW(14)
L2107354-25Z	Vial Water preserved split	E	NA		4.6	Y	Absent	17-FEB-21 06:50	HOLD-8260HLW(14)
L2107354-26A	5 gram Encore Sampler	E	NA		4.6	Y	Absent		NYTCL-8260HLW(14)
L2107354-26B	5 gram Encore Sampler	E	NA		4.6	Y	Absent		NYTCL-8260HLW(14)
L2107354-26C	5 gram Encore Sampler	E	NA		4.6	Y	Absent		NYTCL-8260HLW(14)
L2107354-26D	Plastic 2oz unpreserved for TS	E	NA		4.6	Y	Absent		TS(7)
L2107354-26E	Metals Only-Glass 60mL/2oz unpreserved	E	NA		4.6	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),AL-TI(180),TL-TI(180),NI-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),CU-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),HG-T(28),MN-TI(180),FE-TI(180),MG-TI(180),K-TI(180),CA-TI(180),NA-TI(180),CD-TI(180)

*Values in parentheses indicate holding time in days

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2107354-26F	Glass 120ml/4oz unpreserved/No Headspace	E	NA		4.6	Y	Absent		HEXCR-7196(30)
L2107354-26G	Plastic 8oz unpreserved	H	NA		5.0	Y	Absent		A2-NY-537-ISOTOPE(14)
L2107354-26H	Glass 500ml/16oz unpreserved	E	NA		4.6	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14)
L2107354-26I	Plastic 2oz unpreserved for TS	E	NA		4.6	Y	Absent		TS(7)
L2107354-26X	Vial MeOH preserved split	E	NA		4.6	Y	Absent		NYTCL-8260HLW(14)
L2107354-26Y	Vial Water preserved split	E	NA		4.6	Y	Absent	17-FEB-21 06:50	NYTCL-8260HLW(14)
L2107354-26Z	Vial Water preserved split	E	NA		4.6	Y	Absent	17-FEB-21 06:50	NYTCL-8260HLW(14)
L2107354-27A	5 gram Encore Sampler	C	NA		5.7	Y	Absent		NYTCL-8260HLW(14)
L2107354-27A1	5 gram Encore Sampler	C	NA		5.7	Y	Absent		NYTCL-8260HLW(14)
L2107354-27A2	5 gram Encore Sampler	C	NA		5.7	Y	Absent		NYTCL-8260HLW(14)
L2107354-27B	5 gram Encore Sampler	C	NA		5.7	Y	Absent		NYTCL-8260HLW(14)
L2107354-27B1	5 gram Encore Sampler	C	NA		5.7	Y	Absent		NYTCL-8260HLW(14)
L2107354-27B2	5 gram Encore Sampler	C	NA		5.7	Y	Absent		NYTCL-8260HLW(14)
L2107354-27C	5 gram Encore Sampler	C	NA		5.7	Y	Absent		NYTCL-8260HLW(14)
L2107354-27C1	5 gram Encore Sampler	C	NA		5.7	Y	Absent		NYTCL-8260HLW(14)
L2107354-27C2	5 gram Encore Sampler	C	NA		5.7	Y	Absent		NYTCL-8260HLW(14)
L2107354-27D	Plastic 2oz unpreserved for TS	C	NA		5.7	Y	Absent		TS(7)
L2107354-27D1	Plastic 2oz unpreserved for TS	C	NA		5.7	Y	Absent		TS(7)
L2107354-27D2	Plastic 2oz unpreserved for TS	C	NA		5.7	Y	Absent		TS(7)
L2107354-27E	Metals Only-Glass 60mL/2oz unpreserved	C	NA		5.7	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),CR-TI(180),AL-TI(180),SE-TI(180),PB-TI(180),ZN-TI(180),CU-TI(180),SB-TI(180),V-TI(180),CO-TI(180),HG-T(28),MG-TI(180),MN-TI(180),FE-TI(180),NA-TI(180),K-TI(180),CA-TI(180),CD-TI(180)
L2107354-27E1	Metals Only-Glass 60mL/2oz unpreserved	C	NA		5.7	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),CR-TI(180),AL-TI(180),SE-TI(180),PB-TI(180),ZN-TI(180),CU-TI(180),SB-TI(180),V-TI(180),CO-TI(180),HG-T(28),MG-TI(180),MN-TI(180),FE-TI(180),NA-TI(180),K-TI(180),CA-TI(180),CD-TI(180)

*Values in parentheses indicate holding time in days

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2107354-27E2	Metals Only-Glass 60mL/2oz unpreserved	C	NA		5.7	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),CR-TI(180),AL-TI(180),SE-TI(180),PB-TI(180),ZN-TI(180),CU-TI(180),SB-TI(180),V-TI(180),CO-TI(180),HG-T(28),MG-TI(180),MN-TI(180),FE-TI(180),NA-TI(180),K-TI(180),CA-TI(180),CD-TI(180)
L2107354-27F	Glass 120ml/4oz unpreserved/No Headspace	C	NA		5.7	Y	Absent		HEXCR-7196(30)
L2107354-27F1	Glass 120ml/4oz unpreserved/No Headspace	C	NA		5.7	Y	Absent		HEXCR-7196(30)
L2107354-27F2	Glass 120ml/4oz unpreserved/No Headspace	C	NA		5.7	Y	Absent		HEXCR-7196(30)
L2107354-27G	Glass 500ml/16oz unpreserved	C	NA		5.7	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14)
L2107354-27G1	Glass 500ml/16oz unpreserved	C	NA		5.7	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14)
L2107354-27G2	Glass 500ml/16oz unpreserved	C	NA		5.7	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14)
L2107354-27H	Plastic 8oz unpreserved	H	NA		5.0	Y	Absent		A2-NY-537-ISOTOPE(14)
L2107354-27H1	Plastic 8oz unpreserved	H	NA		5.0	Y	Absent		A2-NY-537-ISOTOPE(14)
L2107354-27H2	Plastic 8oz unpreserved	H	NA		5.0	Y	Absent		A2-NY-537-ISOTOPE(14)
L2107354-27I	Plastic 2oz unpreserved for TS	H	NA		5.0	Y	Absent		TS(7)
L2107354-27I1	Plastic 2oz unpreserved for TS	H	NA		5.0	Y	Absent		TS(7)
L2107354-27I2	Plastic 2oz unpreserved for TS	H	NA		5.0	Y	Absent		TS(7)
L2107354-27X	Vial MeOH preserved split	C	NA		5.7	Y	Absent		NYTCL-8260HLW(14)
L2107354-27X1	Vial MeOH preserved split	C	NA		5.7	Y	Absent		NYTCL-8260HLW(14)
L2107354-27X2	Vial MeOH preserved split	C	NA		5.7	Y	Absent		NYTCL-8260HLW(14)
L2107354-27Y	Vial Water preserved split	C	NA		5.7	Y	Absent	17-FEB-21 06:50	NYTCL-8260HLW(14)
L2107354-27Y1	Vial Water preserved split	C	NA		5.7	Y	Absent	17-FEB-21 06:50	NYTCL-8260HLW(14)
L2107354-27Y2	Vial Water preserved split	C	NA		5.7	Y	Absent	17-FEB-21 06:50	NYTCL-8260HLW(14)
L2107354-27Z	Vial Water preserved split	C	NA		5.7	Y	Absent	17-FEB-21 06:50	NYTCL-8260HLW(14)
L2107354-27Z1	Vial Water preserved split	C	NA		5.7	Y	Absent	17-FEB-21 06:50	NYTCL-8260HLW(14)
L2107354-27Z2	Vial Water preserved split	C	NA		5.7	Y	Absent	17-FEB-21 06:50	NYTCL-8260HLW(14)
L2107354-28A	5 gram Encore Sampler	C	NA		5.7	Y	Absent		NYTCL-8260HLW(14)
L2107354-28B	5 gram Encore Sampler	C	NA		5.7	Y	Absent		NYTCL-8260HLW(14)
L2107354-28C	5 gram Encore Sampler	I	NA		4.1	Y	Absent		NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2107354-28D	Plastic 2oz unpreserved for TS	I	NA		4.1	Y	Absent		TS(7)
L2107354-28E	Metals Only-Glass 60mL/2oz unpreserved	I	NA		4.1	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),TL-TI(180),NI-TI(180),AL-TI(180),PB-TI(180),ZN-TI(180),CU-TI(180),SE-TI(180),SB-TI(180),V-TI(180),CO-TI(180),MN-TI(180),MG-TI(180),HG-T(28),FE-TI(180),K-TI(180),CA-TI(180),CD-TI(180),NA-TI(180)
L2107354-28F	Glass 120ml/4oz unpreserved/No Headspace	I	NA		4.1	Y	Absent		HEXCR-7196(30)
L2107354-28G	Plastic 8oz unpreserved	H	NA		5.0	Y	Absent		A2-NY-537-ISOTOPE(14)
L2107354-28H	Glass 500ml/16oz unpreserved	I	NA		4.1	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14)
L2107354-28I	Plastic 2oz unpreserved for TS	I	NA		4.1	Y	Absent		TS(7)
L2107354-28X	Vial MeOH preserved split	I	NA		4.1	Y	Absent		NYTCL-8260HLW(14)
L2107354-28Y	Vial Water preserved split	I	NA		4.1	Y	Absent	17-FEB-21 05:38	NYTCL-8260HLW(14)
L2107354-28Z	Vial Water preserved split	I	NA		4.1	Y	Absent	17-FEB-21 05:38	NYTCL-8260HLW(14)
L2107354-29A	5 gram Encore Sampler	C	NA		5.7	Y	Absent		NYTCL-8260HLW(14)
L2107354-29B	5 gram Encore Sampler	C	NA		5.7	Y	Absent		NYTCL-8260HLW(14)
L2107354-29C	5 gram Encore Sampler	C	NA		5.7	Y	Absent		NYTCL-8260HLW(14)
L2107354-29D	Plastic 2oz unpreserved for TS	C	NA		5.7	Y	Absent		TS(7)
L2107354-29E	Metals Only-Glass 60mL/2oz unpreserved	C	NA		5.7	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),CU-TI(180),SB-TI(180),ZN-TI(180),SE-TI(180),PB-TI(180),V-TI(180),CO-TI(180),HG-T(28),MG-TI(180),MN-TI(180),FE-TI(180),CD-TI(180),K-TI(180),NA-TI(180),CA-TI(180)
L2107354-29F	Glass 120ml/4oz unpreserved/No Headspace	C	NA		5.7	Y	Absent		HEXCR-7196(30)
L2107354-29G	Plastic 8oz unpreserved	H	NA		5.0	Y	Absent		A2-NY-537-ISOTOPE(14)
L2107354-29H	Glass 500ml/16oz unpreserved	C	NA		5.7	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14)
L2107354-29I	Plastic 2oz unpreserved for TS	C	NA		5.7	Y	Absent		TS(7)
L2107354-29X	Vial MeOH preserved split	C	NA		5.7	Y	Absent		NYTCL-8260HLW(14)
L2107354-29Y	Vial Water preserved split	C	NA		5.7	Y	Absent	17-FEB-21 05:38	NYTCL-8260HLW(14)
L2107354-29Z	Vial Water preserved split	C	NA		5.7	Y	Absent	17-FEB-21 05:38	NYTCL-8260HLW(14)
L2107354-30A	5 gram Encore Sampler	I	NA		4.1	Y	Absent		NYTCL-8260HLW(14)
L2107354-30B	5 gram Encore Sampler	I	NA		4.1	Y	Absent		NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2107354-30C	5 gram Encore Sampler	I	NA		4.1	Y	Absent		NYTCL-8260HLW(14)
L2107354-30D	Plastic 2oz unpreserved for TS	I	NA		4.1	Y	Absent		TS(7)
L2107354-30E	Metals Only-Glass 60mL/2oz unpreserved	I	NA		4.1	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),AL-TI(180),NI-TI(180),CR-TI(180),CU-TI(180),SB-TI(180),ZN-TI(180),PB-TI(180),SE-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MG-TI(180),MN-TI(180),HG-T(28),CA-TI(180),CD-TI(180),NA-TI(180),K-TI(180)
L2107354-30F	Glass 120ml/4oz unpreserved/No Headspace	I	NA		4.1	Y	Absent		HEXCR-7196(30)
L2107354-30G	Plastic 8oz unpreserved	D	NA		4.8	Y	Absent		A2-NY-537-ISOTOPE(14)
L2107354-30H	Glass 500ml/16oz unpreserved	I	NA		4.1	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14)
L2107354-30I	Plastic 2oz unpreserved for TS	I	NA		4.1	Y	Absent		TS(7)
L2107354-30X	Vial MeOH preserved split	I	NA		4.1	Y	Absent		NYTCL-8260HLW(14)
L2107354-30Y	Vial Water preserved split	I	NA		4.1	Y	Absent	17-FEB-21 05:38	NYTCL-8260HLW(14)
L2107354-30Z	Vial Water preserved split	I	NA		4.1	Y	Absent	17-FEB-21 05:38	NYTCL-8260HLW(14)
L2107354-31A	5 gram Encore Sampler	C	NA		5.7	Y	Absent		NYTCL-8260HLW(14)
L2107354-31B	5 gram Encore Sampler	C	NA		5.7	Y	Absent		NYTCL-8260HLW(14)
L2107354-31C	5 gram Encore Sampler	C	NA		5.7	Y	Absent		NYTCL-8260HLW(14)
L2107354-31D	Plastic 2oz unpreserved for TS	C	NA		5.7	Y	Absent		TS(7)
L2107354-31E	Metals Only-Glass 60mL/2oz unpreserved	C	NA		5.7	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),CR-TI(180),SE-TI(180),SB-TI(180),CU-TI(180),PB-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),MG-TI(180),HG-T(28),MN-TI(180),FE-TI(180),K-TI(180),CD-TI(180),NA-TI(180),CA-TI(180)
L2107354-31F	Glass 120ml/4oz unpreserved/No Headspace	C	NA		5.7	Y	Absent		HEXCR-7196(30)
L2107354-31G	Plastic 8oz unpreserved	D	NA		4.8	Y	Absent		A2-NY-537-ISOTOPE(14)
L2107354-31H	Glass 500ml/16oz unpreserved	C	NA		5.7	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14)
L2107354-31I	Plastic 2oz unpreserved for TS	C	NA		5.7	Y	Absent		TS(7)
L2107354-31X	Vial MeOH preserved split	C	NA		5.7	Y	Absent		NYTCL-8260HLW(14)
L2107354-31Y	Vial Water preserved split	C	NA		5.7	Y	Absent	17-FEB-21 05:38	NYTCL-8260HLW(14)
L2107354-31Z	Vial Water preserved split	C	NA		5.7	Y	Absent	17-FEB-21 05:38	NYTCL-8260HLW(14)
L2107354-32A	5 gram Encore Sampler	B	NA		4.8	Y	Absent		NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2107354-32A1	5 gram Encore Sampler	B	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L2107354-32A2	5 gram Encore Sampler	B	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L2107354-32B	5 gram Encore Sampler	B	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L2107354-32B1	5 gram Encore Sampler	B	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L2107354-32B2	5 gram Encore Sampler	B	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L2107354-32C	5 gram Encore Sampler	B	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L2107354-32C1	5 gram Encore Sampler	B	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L2107354-32C2	5 gram Encore Sampler	B	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L2107354-32D	Plastic 2oz unpreserved for TS	B	NA		4.8	Y	Absent		TS(7)
L2107354-32D1	Plastic 2oz unpreserved for TS	B	NA		4.8	Y	Absent		TS(7)
L2107354-32D2	Plastic 2oz unpreserved for TS	B	NA		4.8	Y	Absent		TS(7)
L2107354-32E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		4.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),TL-TI(180),AL-TI(180),CU-TI(180),SB-TI(180),SE-TI(180),PB-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MG-TI(180),MN-TI(180),HG-T(28),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L2107354-32E1	Metals Only-Glass 60mL/2oz unpreserved	B	NA		4.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),TL-TI(180),AL-TI(180),CU-TI(180),SB-TI(180),SE-TI(180),PB-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MG-TI(180),MN-TI(180),HG-T(28),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L2107354-32E2	Metals Only-Glass 60mL/2oz unpreserved	B	NA		4.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),TL-TI(180),AL-TI(180),CU-TI(180),SB-TI(180),SE-TI(180),PB-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MG-TI(180),MN-TI(180),HG-T(28),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L2107354-32F	Glass 120ml/4oz unpreserved/No Headspace	B	NA		4.8	Y	Absent		HEXCR-7196(30)
L2107354-32F1	Glass 120ml/4oz unpreserved/No Headspace	B	NA		4.8	Y	Absent		HEXCR-7196(30)
L2107354-32F2	Glass 120ml/4oz unpreserved/No Headspace	B	NA		4.8	Y	Absent		HEXCR-7196(30)
L2107354-32G	Glass 500ml/16oz unpreserved	B	NA		4.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14)
L2107354-32G1	Glass 500ml/16oz unpreserved	B	NA		4.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14)
L2107354-32G2	Glass 500ml/16oz unpreserved	B	NA		4.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14)

*Values in parentheses indicate holding time in days

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2107354-32H	Plastic 8oz unpreserved	H	NA		5.0	Y	Absent		A2-NY-537-ISOTOPE(14)
L2107354-32H1	Plastic 8oz unpreserved	H	NA		5.0	Y	Absent		A2-NY-537-ISOTOPE(14)
L2107354-32H2	Plastic 8oz unpreserved	H	NA		5.0	Y	Absent		A2-NY-537-ISOTOPE(14)
L2107354-32I	Plastic 2oz unpreserved for TS	H	NA		5.0	Y	Absent		TS(7)
L2107354-32I1	Plastic 2oz unpreserved for TS	H	NA		5.0	Y	Absent		TS(7)
L2107354-32I2	Plastic 2oz unpreserved for TS	H	NA		5.0	Y	Absent		TS(7)
L2107354-32X	Vial MeOH preserved split	B	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L2107354-32X1	Vial MeOH preserved split	B	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L2107354-32X2	Vial MeOH preserved split	B	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L2107354-32Y	Vial Water preserved split	B	NA		4.8	Y	Absent	17-FEB-21 05:38	NYTCL-8260HLW(14)
L2107354-32Y1	Vial Water preserved split	B	NA		4.8	Y	Absent	17-FEB-21 05:38	NYTCL-8260HLW(14)
L2107354-32Y2	Vial Water preserved split	B	NA		4.8	Y	Absent	17-FEB-21 05:38	NYTCL-8260HLW(14)
L2107354-32Z	Vial Water preserved split	B	NA		4.8	Y	Absent	17-FEB-21 05:38	NYTCL-8260HLW(14)
L2107354-32Z1	Vial Water preserved split	B	NA		4.8	Y	Absent	17-FEB-21 05:38	NYTCL-8260HLW(14)
L2107354-32Z2	Vial Water preserved split	B	NA		4.8	Y	Absent	17-FEB-21 05:38	NYTCL-8260HLW(14)
L2107354-33A	5 gram Encore Sampler	C	NA		5.7	Y	Absent		NYTCL-8260HLW(14)
L2107354-33B	5 gram Encore Sampler	C	NA		5.7	Y	Absent		NYTCL-8260HLW(14)
L2107354-33C	5 gram Encore Sampler	C	NA		5.7	Y	Absent		NYTCL-8260HLW(14)
L2107354-33D	Plastic 2oz unpreserved for TS	C	NA		5.7	Y	Absent		TS(7)
L2107354-33E	Metals Only-Glass 60mL/2oz unpreserved	C	NA		5.7	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CU-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MG-TI(180),HG-T(28),MN-TI(180),NA-TI(180),CD-TI(180),K-TI(180),CA-TI(180)
L2107354-33F	Glass 120ml/4oz unpreserved/No Headspace	C	NA		5.7	Y	Absent		HEXCR-7196(30)
L2107354-33G	Plastic 8oz unpreserved	H	NA		5.0	Y	Absent		A2-NY-537-ISOTOPE(14)
L2107354-33H	Glass 500ml/16oz unpreserved	C	NA		5.7	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14)
L2107354-33I	Plastic 2oz unpreserved for TS	C	NA		5.7	Y	Absent		TS(7)
L2107354-33X	Vial MeOH preserved split	C	NA		5.7	Y	Absent		NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2107354-33Y	Vial Water preserved split	C	NA		5.7	Y	Absent	17-FEB-21 05:38	NYTCL-8260HLW(14)
L2107354-33Z	Vial Water preserved split	C	NA		5.7	Y	Absent	17-FEB-21 05:38	NYTCL-8260HLW(14)
L2107354-34A	5 gram Encore Sampler	B	NA		4.8	Y	Absent		HOLD-8260HLW(14)
L2107354-34B	5 gram Encore Sampler	B	NA		4.8	Y	Absent		HOLD-8260HLW(14)
L2107354-34C	5 gram Encore Sampler	B	NA		4.8	Y	Absent		HOLD-8260HLW(14)
L2107354-34D	Plastic 2oz unpreserved for TS	B	NA		4.8	Y	Absent		HOLD-WETCHEM()
L2107354-34X	Vial MeOH preserved split	B	NA		4.8	Y	Absent		HOLD-8260HLW(14)
L2107354-34Y	Vial Water preserved split	B	NA		4.8	Y	Absent	17-FEB-21 05:38	HOLD-8260HLW(14)
L2107354-34Z	Vial Water preserved split	B	NA		4.8	Y	Absent	17-FEB-21 05:38	HOLD-8260HLW(14)
L2107354-35A	5 gram Encore Sampler	B	NA		4.8	Y	Absent		HOLD-8260HLW(14)
L2107354-35B	5 gram Encore Sampler	B	NA		4.8	Y	Absent		HOLD-8260HLW(14)
L2107354-35C	5 gram Encore Sampler	B	NA		4.8	Y	Absent		HOLD-8260HLW(14)
L2107354-35D	Plastic 2oz unpreserved for TS	B	NA		4.8	Y	Absent		HOLD-WETCHEM()
L2107354-35X	Vial MeOH preserved split	B	NA		4.8	Y	Absent		HOLD-8260HLW(14)
L2107354-35Y	Vial Water preserved split	B	NA		4.8	Y	Absent	17-FEB-21 05:38	HOLD-8260HLW(14)
L2107354-35Z	Vial Water preserved split	B	NA		4.8	Y	Absent	17-FEB-21 05:38	HOLD-8260HLW(14)
L2107354-36A	5 gram Encore Sampler	B	NA		4.8	Y	Absent		HOLD-8260HLW(14)
L2107354-36B	5 gram Encore Sampler	B	NA		4.8	Y	Absent		HOLD-8260HLW(14)
L2107354-36C	5 gram Encore Sampler	B	NA		4.8	Y	Absent		HOLD-8260HLW(14)
L2107354-36D	Plastic 2oz unpreserved for TS	B	NA		4.8	Y	Absent		HOLD-WETCHEM()
L2107354-36X	Vial MeOH preserved split	B	NA		4.8	Y	Absent		HOLD-8260HLW(14)
L2107354-36Y	Vial Water preserved split	B	NA		4.8	Y	Absent	17-FEB-21 05:38	HOLD-8260HLW(14)
L2107354-36Z	Vial Water preserved split	B	NA		4.8	Y	Absent	17-FEB-21 05:38	HOLD-8260HLW(14)
L2107354-37A	5 gram Encore Sampler	B	NA		4.8	Y	Absent		HOLD-8260HLW(14)
L2107354-37B	5 gram Encore Sampler	B	NA		4.8	Y	Absent		HOLD-8260HLW(14)
L2107354-37C	5 gram Encore Sampler	B	NA		4.8	Y	Absent		HOLD-8260HLW(14)
L2107354-37D	Plastic 2oz unpreserved for TS	B	NA		4.8	Y	Absent		HOLD-WETCHEM()
L2107354-37X	Vial MeOH preserved split	B	NA		4.8	Y	Absent		HOLD-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2107354-37Y	Vial Water preserved split	B	NA		4.8	Y	Absent	17-FEB-21 05:38	HOLD-8260HLW(14)
L2107354-37Z	Vial Water preserved split	B	NA		4.8	Y	Absent	17-FEB-21 05:38	HOLD-8260HLW(14)
L2107354-38A	5 gram Encore Sampler	B	NA		4.8	Y	Absent		HOLD-8260HLW(14)
L2107354-38B	5 gram Encore Sampler	B	NA		4.8	Y	Absent		HOLD-8260HLW(14)
L2107354-38C	5 gram Encore Sampler	B	NA		4.8	Y	Absent		HOLD-8260HLW(14)
L2107354-38D	Plastic 2oz unpreserved for TS	B	NA		4.8	Y	Absent		HOLD-WETCHEM()
L2107354-38X	Vial MeOH preserved split	B	NA		4.8	Y	Absent		HOLD-8260HLW(14)
L2107354-38Y	Vial Water preserved split	B	NA		4.8	Y	Absent	17-FEB-21 05:38	HOLD-8260HLW(14)
L2107354-38Z	Vial Water preserved split	B	NA		4.8	Y	Absent	17-FEB-21 05:38	HOLD-8260HLW(14)
L2107354-39A	5 gram Encore Sampler	B	NA		4.8	Y	Absent		HOLD-8260HLW(14)
L2107354-39B	5 gram Encore Sampler	B	NA		4.8	Y	Absent		HOLD-8260HLW(14)
L2107354-39C	5 gram Encore Sampler	B	NA		4.8	Y	Absent		HOLD-8260HLW(14)
L2107354-39D	Plastic 2oz unpreserved for TS	B	NA		4.8	Y	Absent		HOLD-WETCHEM()
L2107354-39X	Vial MeOH preserved split	B	NA		4.8	Y	Absent		HOLD-8260HLW(14)
L2107354-39Y	Vial Water preserved split	B	NA		4.8	Y	Absent	17-FEB-21 05:38	HOLD-8260HLW(14)
L2107354-39Z	Vial Water preserved split	B	NA		4.8	Y	Absent	17-FEB-21 05:38	HOLD-8260HLW(14)
L2107354-40A	Vial HCl preserved	G	NA		5.2	Y	Absent		NYTCL-8260(14)
L2107354-40B	Vial HCl preserved	G	NA		5.2	Y	Absent		NYTCL-8260(14)
L2107354-40C	Vial HCl preserved	G	NA		5.2	Y	Absent		NYTCL-8260(14)
L2107354-40D	Amber 120ml unpreserved	G	7	7	5.2	Y	Absent		NYTCL-8082-LVI(7)
L2107354-40E	Amber 120ml unpreserved	G	7	7	5.2	Y	Absent		NYTCL-8082-LVI(7)
L2107354-40F	Amber 120ml unpreserved	G	7	7	5.2	Y	Absent		NYTCL-8081(7)
L2107354-40G	Amber 120ml unpreserved	G	7	7	5.2	Y	Absent		NYTCL-8081(7)
L2107354-40H	Plastic 250ml HNO3 preserved	G	<2	<2	5.2	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),ZN-TI(180),SB-TI(180),PB-TI(180),SE-TI(180),CU-TI(180),CO-TI(180),V-TI(180),MG-TI(180),FE-TI(180),MN-TI(180),HG-T(28),CD-TI(180),K-TI(180),NA-TI(180),CA-TI(180)
L2107354-40I	Plastic 250ml NaOH preserved	G	>12	>12	5.2	Y	Absent		TCN-9010(14)
L2107354-40J	Amber 250ml unpreserved	G	7	7	5.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)

*Values in parentheses indicate holding time in days

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2107354-40K	Amber 250ml unpreserved	G	7	7	5.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2107354-40L	Amber 250ml unpreserved	G	7	7	5.2	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2107354-40M	Amber 250ml unpreserved	G	7	7	5.2	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2107354-40N	Plastic 500ml unpreserved	G	7	7	5.2	Y	Absent		HEXCR-7196(1)
L2107354-40O	Amber 1000ml unpreserved	G	7	7	5.2	Y	Absent		HERB-APA(7)
L2107354-40P	Amber 1000ml unpreserved	G	7	7	5.2	Y	Absent		HERB-APA(7)
L2107354-40Q	Plastic 250ml unpreserved	G	NA		5.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L2107354-41A	5 gram Encore Sampler	B	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L2107354-41B	5 gram Encore Sampler	B	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L2107354-41C	5 gram Encore Sampler	B	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L2107354-41D	Plastic 2oz unpreserved for TS	B	NA		4.8	Y	Absent		TS(7)
L2107354-41X	Vial MeOH preserved split	B	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L2107354-41Y	Vial Water preserved split	B	NA		4.8	Y	Absent	17-FEB-21 05:38	NYTCL-8260HLW(14)
L2107354-41Z	Vial Water preserved split	B	NA		4.8	Y	Absent	17-FEB-21 05:38	NYTCL-8260HLW(14)
L2107354-42A	Vial HCl preserved	F	NA		4.0	Y	Absent		NYTCL-8260(14)
L2107354-42B	Vial HCl preserved	F	NA		4.0	Y	Absent		NYTCL-8260(14)
L2107354-42C	Vial HCl preserved	F	NA		4.0	Y	Absent		NYTCL-8260(14)
L2107354-42D	Amber 120ml unpreserved	F	7	7	4.0	Y	Absent		NYTCL-8082-LVI(7)
L2107354-42E	Amber 120ml unpreserved	F	7	7	4.0	Y	Absent		NYTCL-8082-LVI(7)
L2107354-42F	Amber 120ml unpreserved	F	7	7	4.0	Y	Absent		NYTCL-8081(7)
L2107354-42G	Amber 120ml unpreserved	F	7	7	4.0	Y	Absent		NYTCL-8081(7)
L2107354-42H	Plastic 250ml HNO3 preserved	F	<2	<2	4.0	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),ZN-TI(180),SB-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),CO-TI(180),V-TI(180),MG-TI(180),MN-TI(180),FE-TI(180),HG-T(28),NA-TI(180),CD-TI(180),CA-TI(180),K-TI(180)
L2107354-42I	Plastic 250ml NaOH preserved	F	>12	>12	4.0	Y	Absent		TCN-9010(14)
L2107354-42J	Amber 250ml unpreserved	F	7	7	4.0	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2107354-42K	Amber 250ml unpreserved	F	7	7	4.0	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2107354-42L	Amber 250ml unpreserved	F	7	7	4.0	Y	Absent		A2-1,4-DIOXANE-SIM(7)

*Values in parentheses indicate holding time in days

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2107354
Report Date: 02/26/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2107354-42M	Amber 250ml unpreserved	F	7	7	4.0	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2107354-42N	Plastic 500ml unpreserved	F	7	7	4.0	Y	Absent		HEXCR-7196(1)
L2107354-42O	Amber 1000ml unpreserved	F	7	7	4.0	Y	Absent		HERB-APA(7)
L2107354-42P	Amber 1000ml unpreserved	F	7	7	4.0	Y	Absent		HERB-APA(7)
L2107354-42Q	Plastic 250ml unpreserved	F	NA		4.0	Y	Absent		A2-NY-537-ISOTOPE(14)
L2107354-43A	Vial HCl preserved	F	NA		4.0	Y	Absent		NYTCL-8260(14)
L2107354-43B	Vial HCl preserved	F	NA		4.0	Y	Absent		NYTCL-8260(14)
L2107354-43C	Vial HCl preserved	G	NA		5.2	Y	Absent		NYTCL-8260(14)
L2107354-43D	Vial HCl preserved	G	NA		5.2	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: 2921 WESTCHESTER AVENUE
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PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

Project Name:	2921 WESTCHESTER AVENUE	**Lab Number:**	L2107354
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GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	2921 WESTCHESTER AVENUE	**Lab Number:**	L2107354
Project Number:	2921 WESTCHESTER AVE	**Report Date:**	02/26/21

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	2921 WESTCHESTER AVENUE	**Lab Number:**	L2107354
Project Number:	2921 WESTCHESTER AVE	**Report Date:**	02/26/21

Data Qualifiers

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	2921 WESTCHESTER AVENUE	**Lab Number:**	L2107354
Project Number:	2921 WESTCHESTER AVE	**Report Date:**	02/26/21

REFERENCES

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

107 Alpha Analytical - In-house calculation method.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

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

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

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

Westborough Facility:

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

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

Mansfield Facility:

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

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

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

ALPHA

NEW YORK CHAIN OF CUSTODY

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

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 5

Date Rec'd in Lab: 2/16/21

ALPHA Job #: L2107354

Project Information

Project Name: 2921 Westchester Avenue
Project Location: Bronx, NY
Project #
(Use Project name as Project #) ☒
Project Manager: A. Carroll
ALPHAQuote #: 11187

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Client Information

Client: Tenen Environmental
Address: 121 West 27th Street
Suite 702, NY, NY 10001
Phone: 646-606-2332
Fax: aplatt@tenen-env.com
Email: acarroll@tenen-env.com

Deliverables

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

Billing Information

☒ Same as Client Info
PO #

Regulatory Requirement

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

Disposal Site Information

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

HOLD SB-1 (1-2) and SB-4 (0-1), Cat B deliverables

Please specify Metals or TAL.

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

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs	SVOCs	TAL Metals	Pest/Herb/PCBs	Total Cyanide	Hex/Tri Chromium	PFAS	1,4-Dioxane	Sample Specific Comments	Total Bottle
07354-01	SB-1 (0-1)	2/15/21	14:15	Soil	AP	X	X	X	X	X	X	X	X		9
-02	SB-1 (1-2)	↓	14:20	↓	↓	HOLD								HOLD all	4
-03	SB-1 (2-3)	↓	14:25	↓	↓	X	X	X	X	X	X	X	X		9
-04	SB-2 (0-2)	↓	10:05	↓	↓	X	X	X	X	X	X	X	X		9
-05	SB-2 (2-3)	↓	10:10	↓	↓	X	X	X	X	X	X	X	X		9
-06	SB-3 (0-2)	↓	11:30	↓	↓	X	X	X	X	X	X	X	X		9
-07	SB-3 (0-2)_DUP	↓	11:40	↓	↓	X	X	X	X	X	X	X	X		9
-08	SB-3 (2-3)	↓	11:35	↓	↓	X	X	X	X	X	X	X	X		9
-09	SB-4 (0-1)	↓	13:45	↓	↓	HOLD								HOLD all	4
-10	SB-4 (1-2)	↓	13:50	↓	↓	X	X	X	X	X	X	X	X		9
					Container Type	E	A	A	A	A	A	P	A		
					Preservative	A	A	A	A	A	A	A	A		

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

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

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

Relinquished By:	Date/Time	Received By:	Date/Time
A. Platt / Tenen	2/16/21 11:40	D. Santos [signature]	2/16/21 11:40
D Santos [signature]	2/16/21 1400	Paul Mazzella [signature]	2/16/21 1640
Paul Mazzella [signature]	2/16/21 2122	Michael [signature]	2/16/21 2122

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

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

NEW YORK CHAIN OF CUSTODY

ALPHA

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 5

Date Rec'd. in Lab: 2/16/21

ALPHA Job #: L2107354

Project Information
Project Name: 2921 Westchester Avenue
Project Location: Bronx, NY
Project #
(Use Project name as Project #) ☒
Project Manager: A. Carroll
ALPHAQuote #: 11187

Client Information
Client: Tenen Environmental
Address: 121 West 27th Street
Suite 702, New York, NY 10001
Phone: 646-606-2332
Fax: aplatt@tenen-env.com
Email: acarroll@tenen-env.com

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

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

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

Billing Information
☒ Same as Client Info
PO #

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
HOLD SB-5(0-1), SB-6(0-1), & SB-7(0-1), Cat B deliverables

Please specify Metals or TAL.

ANALYSIS

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs	SVOCs	TAL Metals	Pest/Herb/PCBs	Total Cyanide	Tri/HexChromium	PFAS	1,4-Dioxane	Sample Specific Comments	Total Bottle
07354-~~01~~ 11	SB-4 (2-3)	2/15/21	13:55	Soil	AP	X	X	X	X	X	X	X	X		9
-12	SB-5 (0-1)	↓	14:45	↓	↓	HOLD								HOLD all	4
-13	SB-5 (1-2)	↓	14:50	↓	↓	X	X	X	X	X	X	X	X		9
-14	SB-5 (2-3)	↓	14:55	↓	↓	X	X	X	X	X	X	X	X		9
-15	SB-6 (0-1)	↓	15:00	↓	↓	HOLD								HOLD all	4
-16	SB-6 (1-2)	↓	15:05	↓	↓	X	X	X	X	X	X	X	X		9
-17	SB-6 (2-3)	↓	15:10	↓	↓	X	X	X	X	X	X	X	X		9
-18	SB-7 (0-1)	↓	14:00	↓	↓	HOLD								HOLD all	4
-19	SB-7 (1-2)	↓	14:05	↓	↓	X	X	X	X	X	X	X	X		9
-20	SB-7 (2-3)	↓	14:10	↓	↓	X	X	X	X	X	X	X	X		9
					Container Type	E	A	A	A	A	A	P	A		
					Preservative	A	A	A	A	A	A	A	A		

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

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

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

Relinquished By:	Date/Time	Received By:	Date/Time
A. Platt / Tenen	2/16/21 11:40	D. Santos [signature]	2/16/21 11:40
D. Santos [signature]	2/16/21 1400	Paul Mazzella [signature]	2/16/21 1640
Paul Mazzella [signature]	2/16/21 2122	Nicholas Gerfen [signature]	2/16/21 2122

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

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

NEW YORK CHAIN OF CUSTODY

ALPHA

Westborough, MA 01581
8 Walkup Dr.
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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 3 of 5

Date Rec'd in Lab: 2/16/21

ALPHA Job #: L2107354

Client Information
Client: Tenen Environmental
Address: 121 West 27th Street
Suite 702, NY, NY 10001
Phone: 646-606-2332
Fax: aplatt@tenen-env.com
Email: acarroll@tenen-env.com

Project Information
Project Name: 2921 Westchester Avenue
Project Location: Bronx, NY
Project #
(Use Project name as Project #) ☒
Project Manager: A. Carroll
ALPHAQuote #: 11187

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

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

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

Billing Information
☒ Same as Client Info
PO #

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
MS/MSD from SB-11 (0-2), HOLD SB-8(0-1) & SB-9(1-2), Cat B deliverables

Please specify Metals or TAL.

ANALYSIS

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs	SVOCs	TAL Metals	Pest/Herb/PCBs	Total Cyanide	Tri/Hex Chromium	PFAS	1,4-Dioxane	Sample Specific Comments	Total Bottle
07354-21	SB-8 (0-1)	2/15/21	13:20	Soil	AP	HOLD								HOLD all	4
-22	SB-8 (1-2)	↓	13:25	↓	↓	X	X	X	X	X	X	X	X		9
-23	SB-8 (2-3)	↓	13:30	↓	↓	X	X	X	X	X	X	X	X		9
-24	SB-9 (0-1)	↓	15:30	↓	↓	X	X	X	X	X	X	X	X		9
-25	SB-9 (1-2)	↓	15:35	↓	↓	HOLD								HOLD all	4
-26	SB-9 (2-3)	↓	15:40	↓	↓	X	X	X	X	X	X	X	X		9
-27	SB-11 (0-2)	↓	11:55	↓	↓	X	X	X	X	X	X	X	X		9
-28	SB-11 (2-3)	↓	12:00	↓	↓	X	X	X	X	X	X	X	X		9
-29	SB-12 (0-2)	↓	11:10	↓	↓	X	X	X	X	X	X	X	X		9
-30	SB-12 (0-2)-DUP	↓	11:20	↓	↓	X	X	X	X	X	X	X	X		9
					Container Type	E	A	A	A	A	A	P	A		
					Preservative	A	A	A	A	A	A	A	A		

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

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

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

Relinquished By:	Date/Time	Received By:	Date/Time
A. Platt / Tenen	2/16/21 11:40	D. Santos AM	2/16/21 11:40
D. Santos AM	2/16/21 1400	Paul Mazzella	2/16/21 1640
Paul Mazzella	2/16/21 2122	Michael [illegible]	2/16/21 2122

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

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

ALPHA

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 4 of 5

Date Rec'd in Lab: 2/16/21

ALPHA Job #: L2107354

Project Information
Project Name: 2921 Westchester Avenue
Project Location: Bronx, NY
Project #
(Use Project name as Project #) ☒
Project Manager: A. Carroll
ALPHAQuote #: 11187

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Client Information
Client: Tenen Environmental
Address: 121 West 27th Street
Suite 702, NY, NY 10001
Phone: 646-606-2332
Fax: aplatt@tenen-env.com
Email: acarroll@tenen-env.com

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

Billing Information
☒ Same as Client Info
PO #

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

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
MS/MSD from SB-13 (0-2), HOLD SB-14 (0-1), SB-14 (1-2), SB-14 (2-3), SB-15 (0-1), SB-15 (1-2), & SB-15 (2-3)

Please specify Metals or TAL. Cat B deliverables

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

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs	SVOCs	TAL Metals	Pest/Herb/PCBs	Total Cyanide	Tri/Hex Chromium	PFAS	1,4-Dioxane	Sample Specific Comments	Total Bottle
07354-31	SB-12 (2-3)	2/15/21	11:15	Soil	AP	X	X	X	X	X	X	X	X		9
-32	SB-13 (0-2)	↓	10:20	↓	↓	X	X	X	X	X	X	X	X		9
-33	SB-13 (2-3)	↓	10:25	↓	↓	X	X	X	X	X	X	X	X		9
-34	SB-14 (0-1)	↓	15:55	↓	↓									HOLD all	4
-35	SB-14 (1-2)	↓	16:00	↓	↓									↓	4
-36	SB-14 (2-3)	↓	16:05	↓	↓									↓	4
-37	SB-15 (0-1)	↓	16:10	↓	↓									↓	4
-38	SB-15 (1-2)	↓	16:15	↓	↓									↓	4
-39	SB-15 (2-3)	↓	16:20	↓	↓									↓	4
-40	Field Blank 1	↓	16:30	Water	↓	X	X	X	X	X	X	X	X		17
					Container Type	E	A	A	A	A	A	P	A		
					Preservative	A	A	A	A	A	A	A	A		

HOLD

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

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

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

Relinquished By:	Date/Time	Received By:	Date/Time
A. Platt / Tenen	2/16/21 11:40	D. Santos AAL	2/16/21 11:40
D. Santos AAL	2/16/21 1400	Paul Mazzella	2/16/21 1640
Paul Mazzella	2/16/21 2122	Michael [illegible]	2/16/21 2122

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

ALPHA

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 5 of 5

Date Rec'd in Lab: 2/16/21

ALPHA Job #: L2107354

Client Information

Client: Tenen Environmental
Address: 121 West 27th Street
Suite 702, NY, NY 10001
Phone: 646-606-2332
Fax: aplatt@tenen-env.com
Email: acarroll@tenen-env.com

Project Information

Project Name: 2921 Westchester Avenue
Project Location: Bronx, NY
Project #
(Use Project name as Project #) ☒
Project Manager: A. Carroll
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

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

Regulatory Requirement

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

Billing Information

☒ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Cat B deliverables

Please specify Metals or TAL.

ANALYSIS

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs	SVOCs	TAL Metals	Pest/Herb/PCBs	Total Cyanide	Tri/Hex Chromium	PFAS	1,4-Dioxane	Sample Specific Comments	Total Bottle
07354-41	SB-10 (2.5-4.5)	2/16/21	10:30	Soil	AP	X									4
-42	Field Blank 2	↓	9:20	Water	↓	X	X	X	X	X	X	X	X		17
-43	Trip Blank			↓		X									2

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

Container Code
P = Plastic
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G = Glass
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C = Cube
O = Other
E = Encore
D = BOD Bottle

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

Container Type	E	A	A	A	A	A	P	A
Preservative	A	A	A	A	A	A	A	A

Relinquished By:	Date/Time	Received By:	Date/Time
A. Platt / Tenen	2/16/21 11:40	D. Santos AAL	2/16/21 11:40
D. Santos AAL	2/16/21 1400	Paul Mazzella	2/16/21 1600
Paul Mazzella	2/16/21 2122	Michael [illegible]	2/16/21 2122

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

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

ANALYTICAL REPORT

Lab Number:	L2108841
Client:	Tenen Environmental, LLC 121 West 27th Street Suite 702 New York City, NY 10001
ATTN:	Alana Carroll
Phone:	(646) 606-2332
Project Name:	2921 WESTCHESTER AVENUE
Project Number:	2921 WESTCHESTER AVE
Report Date:	03/04/21

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: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841
Report Date: 03/04/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2108841-01	MW-1	WATER	BRONX, NY	02/23/21 12:00	02/23/21
L2108841-02	MW-2	WATER	BRONX, NY	02/23/21 13:30	02/23/21
L2108841-03	MW-5	WATER	BRONX, NY	02/23/21 15:10	02/23/21
L2108841-04	BW-1	WATER	BRONX, NY	02/23/21 17:00	02/23/21
L2108841-05	BW-1_DUP	WATER	BRONX, NY	02/23/21 17:10	02/23/21
L2108841-06	FIELD BLANK	WATER	BRONX, NY	02/23/21 13:45	02/23/21
L2108841-07	TRIP BLANK	TRIP BLANK (AQUEOUS)	BRONX, NY	02/23/21 00:00	02/23/21

Project Name:	2921 WESTCHESTER AVENUE	**Lab Number:**	L2108841
Project Number:	2921 WESTCHESTER AVE	**Report Date:**	03/04/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	2921 WESTCHESTER AVENUE	**Lab Number:**	L2108841
Project Number:	2921 WESTCHESTER AVE	**Report Date:**	03/04/21

Case Narrative (continued)

Report Submission

March 04, 2021: This final report includes the results of all requested analyses.

March 02, 2021: This is a preliminary report.

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

Semivolatile Organics

The WG1467973-4/-5 MS/MSD recoveries, performed on L2108841-02, are below the acceptance criteria for 3,3'-dichlorobenzidine (0%/0%), 4-chloroaniline (MSD at 0%), 3-nitroaniline (0%/0%), and 4-nitroaniline (0%/0%) due to the concentration of these compounds in the MS/MSD falling below the reported detection limit.

Semivolatile Organics by SIM

The surrogate recoveries for the WG1467974-4 MS, performed on L2108841-02, are outside the acceptance criteria for 2-fluorophenol (9%), nitrobenzene-d5 (22%), and 4-terphenyl-d14 (19%).

The surrogate recoveries for the WG1467974-5 MSD, performed on L2108841-02, are outside the acceptance criteria for 2-fluorophenol (13%) and 4-terphenyl-d14 (24%).

Perfluorinated Alkyl Acids by Isotope Dilution

L2108841-02, -03, -04, -06, WG1467746-3 and WG1467746-4: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

L2108841-05: The MeOH fraction of the extraction is reported for Perfluorooctanesulfonamide (FOSA) due to better extraction efficiency of the M8FOSA.

Total Metals

L2108841-02: The sample has elevated detection limits for all elements, with the exception of mercury, due to

Project Name:	2921 WESTCHESTER AVENUE	**Lab Number:**	L2108841
Project Number:	2921 WESTCHESTER AVE	**Report Date:**	03/04/21

Case Narrative (continued)

the dilution required by the high concentrations of target and non-target elements.
The WG1467750-3 MS recovery for sodium (800%), performed on L2108841-02, does not apply because the sample concentration is greater than four times the spike amount added.

Dissolved Metals
L2108841-01, -02, -03, -04, and -05: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by the high concentrations of target and non-target elements.
The WG1467761-3/-4 MS/MSD recoveries for calcium (127%/207%) and sodium (0%/1400%), performed on L2108841-02, do not apply because the sample concentrations are greater than four times the spike amounts added.
The WG1467761-4 MSD recovery, performed on L2108841-02, is outside the acceptance criteria for potassium (128%). A post digestion spike was performed and was within acceptance criteria.
The WG1467761-3/-4 MS/MSD RPD for beryllium (27%), performed on L2108841-02, is above the 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: 03/04/21

ORGANICS

VOLATILES

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2108841

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-01
Client ID: MW-1
Sample Location: BRONX, NY

Date Collected: 02/23/21 12:00
Date Received: 02/23/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 02/25/21 10:48
Analyst: LAC

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	3.2		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	0.17	J	ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2108841

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-01 Date Collected: 02/23/21 12:00

Client ID: MW-1 Date Received: 02/23/21

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	0.21	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	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: 2921 WESTCHESTER AVENUE **Lab Number:** L2108841

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-01 Date Collected: 02/23/21 12:00

Client ID: MW-1 Date Received: 02/23/21

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	99		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	108		70-130

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2108841

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-02
Client ID: MW-2
Sample Location: BRONX, NY

Date Collected: 02/23/21 13:30
Date Received: 02/23/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 02/25/21 11:12
Analyst: LAC

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: 2921 WESTCHESTER AVENUE **Lab Number:** L2108841

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-02 Date Collected: 02/23/21 13:30

Client ID: MW-2 Date Received: 02/23/21

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	14		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2108841

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-02 Date Collected: 02/23/21 13:30

Client ID: MW-2 Date Received: 02/23/21

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	98		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	110		70-130

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2108841

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-03 D
Client ID: MW-5
Sample Location: BRONX, NY

Date Collected: 02/23/21 15:10
Date Received: 02/23/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 02/25/21 11:35
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	500	140	200
1,1-Dichloroethane	ND		ug/l	500	140	200
Chloroform	ND		ug/l	500	140	200
Carbon tetrachloride	ND		ug/l	100	27.	200
1,2-Dichloropropane	ND		ug/l	200	27.	200
Dibromochloromethane	ND		ug/l	100	30.	200
1,1,2-Trichloroethane	ND		ug/l	300	100	200
Tetrachloroethene	39000		ug/l	100	36.	200
Chlorobenzene	ND		ug/l	500	140	200
Trichlorofluoromethane	ND		ug/l	500	140	200
1,2-Dichloroethane	ND		ug/l	100	26.	200
1,1,1-Trichloroethane	ND		ug/l	500	140	200
Bromodichloromethane	ND		ug/l	100	38.	200
trans-1,3-Dichloropropene	ND		ug/l	100	33.	200
cis-1,3-Dichloropropene	ND		ug/l	100	29.	200
1,3-Dichloropropene, Total	ND		ug/l	100	29.	200
1,1-Dichloropropene	ND		ug/l	500	140	200
Bromoform	ND		ug/l	400	130	200
1,1,2,2-Tetrachloroethane	ND		ug/l	100	33.	200
Benzene	ND		ug/l	100	32.	200
Toluene	ND		ug/l	500	140	200
Ethylbenzene	ND		ug/l	500	140	200
Chloromethane	ND		ug/l	500	140	200
Bromomethane	ND		ug/l	500	140	200
Vinyl chloride	1900		ug/l	200	14.	200
Chloroethane	ND		ug/l	500	140	200
1,1-Dichloroethene	ND		ug/l	100	34.	200
trans-1,2-Dichloroethene	ND		ug/l	500	140	200

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2108841

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-03 D Date Collected: 02/23/21 15:10

Client ID: MW-5 Date Received: 02/23/21

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	2900		ug/l	100	35.	200
1,2-Dichlorobenzene	ND		ug/l	500	140	200
1,3-Dichlorobenzene	ND		ug/l	500	140	200
1,4-Dichlorobenzene	ND		ug/l	500	140	200
Methyl tert butyl ether	ND		ug/l	500	140	200
p/m-Xylene	ND		ug/l	500	140	200
o-Xylene	ND		ug/l	500	140	200
Xylenes, Total	ND		ug/l	500	140	200
cis-1,2-Dichloroethene	15000		ug/l	500	140	200
1,2-Dichloroethene, Total	15000		ug/l	500	140	200
Dibromomethane	ND		ug/l	1000	200	200
1,2,3-Trichloropropane	ND		ug/l	500	140	200
Acrylonitrile	ND		ug/l	1000	300	200
Styrene	ND		ug/l	500	140	200
Dichlorodifluoromethane	ND		ug/l	1000	200	200
Acetone	ND		ug/l	1000	290	200
Carbon disulfide	ND		ug/l	1000	200	200
2-Butanone	ND		ug/l	1000	390	200
Vinyl acetate	ND		ug/l	1000	200	200
4-Methyl-2-pentanone	ND		ug/l	1000	200	200
2-Hexanone	ND		ug/l	1000	200	200
Bromochloromethane	ND		ug/l	500	140	200
2,2-Dichloropropane	ND		ug/l	500	140	200
1,2-Dibromoethane	ND		ug/l	400	130	200
1,3-Dichloropropane	ND		ug/l	500	140	200
1,1,1,2-Tetrachloroethane	ND		ug/l	500	140	200
Bromobenzene	ND		ug/l	500	140	200
n-Butylbenzene	ND		ug/l	500	140	200
sec-Butylbenzene	ND		ug/l	500	140	200
tert-Butylbenzene	ND		ug/l	500	140	200
o-Chlorotoluene	ND		ug/l	500	140	200
p-Chlorotoluene	ND		ug/l	500	140	200
1,2-Dibromo-3-chloropropane	ND		ug/l	500	140	200
Hexachlorobutadiene	ND		ug/l	500	140	200
Isopropylbenzene	ND		ug/l	500	140	200
p-Isopropyltoluene	ND		ug/l	500	140	200
Naphthalene	ND		ug/l	500	140	200

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2108841

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-03 D
Client ID: MW-5
Sample Location: BRONX, NY

Date Collected: 02/23/21 15:10
Date Received: 02/23/21
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	500	140	200
1,2,3-Trichlorobenzene	ND		ug/l	500	140	200
1,2,4-Trichlorobenzene	ND		ug/l	500	140	200
1,3,5-Trimethylbenzene	ND		ug/l	500	140	200
1,2,4-Trimethylbenzene	ND		ug/l	500	140	200
1,4-Dioxane	ND		ug/l	50000	12000	200
p-Diethylbenzene	ND		ug/l	400	140	200
p-Ethyltoluene	ND		ug/l	400	140	200
1,2,4,5-Tetramethylbenzene	ND		ug/l	400	110	200
Ethyl ether	ND		ug/l	500	140	200
trans-1,4-Dichloro-2-butene	ND		ug/l	500	140	200

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	101		70-130

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2108841

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-04
Client ID: BW-1
Sample Location: BRONX, NY

Date Collected: 02/23/21 17:00
Date Received: 02/23/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 02/25/21 11:58
Analyst: LAC

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	24		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	28		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	0.78		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	5.6		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: 2921 WESTCHESTER AVENUE **Lab Number:** L2108841

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-04 Date Collected: 02/23/21 17:00

Client ID: BW-1 Date Received: 02/23/21

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	5.7		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	91		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	91		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	6.6		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: 2921 WESTCHESTER AVENUE **Lab Number:** L2108841

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-04 Date Collected: 02/23/21 17:00

Client ID: BW-1 Date Received: 02/23/21

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	108		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	109		70-130

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2108841

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-05
Client ID: BW-1_DUP
Sample Location: BRONX, NY

Date Collected: 02/23/21 17:10
Date Received: 02/23/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 02/25/21 12:22
Analyst: LAC

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	22		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	28		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	0.75		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	6.1		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: 2921 WESTCHESTER AVENUE **Lab Number:** L2108841

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-05 Date Collected: 02/23/21 17:10

Client ID: BW-1_DUP Date Received: 02/23/21

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	5.8		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	110		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	110		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	6.9		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: 2921 WESTCHESTER AVENUE **Lab Number:** L2108841

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-05 Date Collected: 02/23/21 17:10

Client ID: BW-1_DUP Date Received: 02/23/21

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	97		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	108		70-130

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2108841

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-06
Client ID: FIELD BLANK
Sample Location: BRONX, NY

Date Collected: 02/23/21 13:45
Date Received: 02/23/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 02/24/21 10:10
Analyst: LAC

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: 2921 WESTCHESTER AVENUE **Lab Number:** L2108841

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-06 Date Collected: 02/23/21 13:45

Client ID: FIELD BLANK Date Received: 02/23/21

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: 2921 WESTCHESTER AVENUE **Lab Number:** L2108841

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-06 Date Collected: 02/23/21 13:45

Client ID: FIELD BLANK Date Received: 02/23/21

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	98		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	109		70-130

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2108841

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-07
Client ID: TRIP BLANK
Sample Location: BRONX, NY

Date Collected: 02/23/21 00:00
Date Received: 02/23/21
Field Prep: Not Specified

Sample Depth:
Matrix: Trip Blank (Aqueous)
Analytical Method: 1,8260C
Analytical Date: 02/24/21 10:34
Analyst: LAC

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: 2921 WESTCHESTER AVENUE **Lab Number:** L2108841

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-07 Date Collected: 02/23/21 00:00

Client ID: TRIP BLANK Date Received: 02/23/21

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: 2921 WESTCHESTER AVENUE **Lab Number:** L2108841

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-07 Date Collected: 02/23/21 00:00

Client ID: TRIP BLANK Date Received: 02/23/21

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	97		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	111		70-130

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2108841

Project Number: 2921 WESTCHESTER AVE **Report Date:** 03/04/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/24/21 08:36
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06-07 Batch: WG1467717-5					
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: 2921 WESTCHESTER AVENUE **Lab Number:** L2108841

Project Number: 2921 WESTCHESTER AVE **Report Date:** 03/04/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/24/21 08:36
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06-07 Batch: WG1467717-5					
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: 2921 WESTCHESTER AVENUE **Lab Number:** L2108841

Project Number: 2921 WESTCHESTER AVE **Report Date:** 03/04/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/24/21 08:36
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06-07 Batch: WG1467717-5					
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	112		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	108		70-130

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2108841

Project Number: 2921 WESTCHESTER AVE **Report Date:** 03/04/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/25/21 08:51
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1468137-5					
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: 2921 WESTCHESTER AVENUE **Lab Number:** L2108841

Project Number: 2921 WESTCHESTER AVE **Report Date:** 03/04/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/25/21 08:51
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1468137-5					
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: 2921 WESTCHESTER AVENUE **Lab Number:** L2108841

Project Number: 2921 WESTCHESTER AVE **Report Date:** 03/04/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/25/21 08:51
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1468137-5					
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	109		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	109		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841
Report Date: 03/04/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-07 Batch: WG1467717-3 WG1467717-4								
Methylene chloride	98		98		70-130	0		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	99		100		70-130	1		20
Carbon tetrachloride	100		100		63-132	0		20
1,2-Dichloropropane	100		100		70-130	0		20
Dibromochloromethane	83		86		63-130	4		20
1,1,2-Trichloroethane	94		96		70-130	2		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	150		150		62-150	0		20
1,2-Dichloroethane	110		110		70-130	0		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	95		97		67-130	2		20
trans-1,3-Dichloropropene	89		90		70-130	1		20
cis-1,3-Dichloropropene	93		94		70-130	1		20
1,1-Dichloropropene	100		100		70-130	0		20
Bromoform	79		84		54-136	6		20
1,1,2,2-Tetrachloroethane	96		100		67-130	4		20
Benzene	100		100		70-130	0		20
Toluene	98		100		70-130	2		20
Ethylbenzene	99		99		70-130	0		20
Chloromethane	110		110		64-130	0		20
Bromomethane	100		100		39-139	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841
Report Date: 03/04/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-07 Batch: WG1467717-3 WG1467717-4								
Vinyl chloride	120		130		55-140	8		20
Chloroethane	**150**	Q	**150**	Q	55-138	0		20
1,1-Dichloroethene	100		100		61-145	0		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	92		94		70-130	2		20
1,2-Dichlorobenzene	97		98		70-130	1		20
1,3-Dichlorobenzene	98		99		70-130	1		20
1,4-Dichlorobenzene	98		99		70-130	1		20
Methyl tert butyl ether	89		93		63-130	4		20
p/m-Xylene	100		95		70-130	5		20
o-Xylene	100		95		70-130	5		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Dibromomethane	99		100		70-130	1		20
1,2,3-Trichloropropane	100		110		64-130	10		20
Acrylonitrile	92		100		70-130	8		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	120		120		36-147	0		20
Acetone	96		90		58-148	6		20
Carbon disulfide	110		110		51-130	0		20
2-Butanone	98		98		63-138	0		20
Vinyl acetate	98		100		70-130	2		20
4-Methyl-2-pentanone	80		82		59-130	2		20
2-Hexanone	91		95		57-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841
Report Date: 03/04/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-07 Batch: WG1467717-3 WG1467717-4								
Bromochloromethane	100		100		70-130	0		20
2,2-Dichloropropane	100		99		63-133	1		20
1,2-Dibromoethane	96		98		70-130	2		20
1,3-Dichloropropane	97		100		70-130	3		20
1,1,1,2-Tetrachloroethane	92		90		64-130	2		20
Bromobenzene	96		98		70-130	2		20
n-Butylbenzene	100		100		53-136	0		20
sec-Butylbenzene	100		100		70-130	0		20
tert-Butylbenzene	84		84		70-130	0		20
o-Chlorotoluene	91		91		70-130	0		20
p-Chlorotoluene	96		97		70-130	1		20
1,2-Dibromo-3-chloropropane	87		92		41-144	6		20
Hexachlorobutadiene	100		100		63-130	0		20
Isopropylbenzene	97		97		70-130	0		20
p-Isopropyltoluene	98		98		70-130	0		20
Naphthalene	87		96		70-130	10		20
n-Propylbenzene	99		100		69-130	1		20
1,2,3-Trichlorobenzene	93		100		70-130	7		20
1,2,4-Trichlorobenzene	94		98		70-130	4		20
1,3,5-Trimethylbenzene	91		90		64-130	1		20
1,2,4-Trimethylbenzene	91		92		70-130	1		20
1,4-Dioxane	68		74		56-162	8		20
p-Diethylbenzene	95		95		70-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841
Report Date: 03/04/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-07 Batch: WG1467717-3 WG1467717-4								
p-Ethyltoluene	96		96		70-130	0		20
1,2,4,5-Tetramethylbenzene	90		92		70-130	2		20
Ethyl ether	120		120		59-134	0		20
trans-1,4-Dichloro-2-butene	**68**	Q	72		70-130	6		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	111		114		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	91		90		70-130
Dibromofluoromethane	103		104		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841
Report Date: 03/04/21

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 Batch: WG1468137-3 WG1468137-4								
Methylene chloride	98		100		70-130	2		20
1,1-Dichloroethane	100		110		70-130	10		20
Chloroform	98		100		70-130	2		20
Carbon tetrachloride	100		100		63-132	0		20
1,2-Dichloropropane	100		100		70-130	0		20
Dibromochloromethane	84		86		63-130	2		20
1,1,2-Trichloroethane	96		98		70-130	2		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	150		150		62-150	0		20
1,2-Dichloroethane	100		110		70-130	10		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	94		97		67-130	3		20
trans-1,3-Dichloropropene	88		91		70-130	3		20
cis-1,3-Dichloropropene	93		96		70-130	3		20
1,1-Dichloropropene	100		100		70-130	0		20
Bromoform	83		84		54-136	1		20
1,1,2,2-Tetrachloroethane	94		100		67-130	6		20
Benzene	100		100		70-130	0		20
Toluene	98		97		70-130	1		20
Ethylbenzene	98		98		70-130	0		20
Chloromethane	130		130		64-130	0		20
Bromomethane	130		120		39-139	8		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841
Report Date: 03/04/21

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 Batch: WG1468137-3 WG1468137-4								
Vinyl chloride	130		130		55-140	0		20
Chloroethane	**160**	Q	**150**	Q	55-138	6		20
1,1-Dichloroethene	110		110		61-145	0		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	91		94		70-130	3		20
1,2-Dichlorobenzene	97		99		70-130	2		20
1,3-Dichlorobenzene	99		100		70-130	1		20
1,4-Dichlorobenzene	99		100		70-130	1		20
Methyl tert butyl ether	87		94		63-130	8		20
p/m-Xylene	95		100		70-130	5		20
o-Xylene	95		95		70-130	0		20
cis-1,2-Dichloroethene	99		100		70-130	1		20
Dibromomethane	98		100		70-130	2		20
1,2,3-Trichloropropane	95		100		64-130	5		20
Acrylonitrile	91		100		70-130	9		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	120		130		36-147	8		20
Acetone	86		95		58-148	10		20
Carbon disulfide	110		110		51-130	0		20
2-Butanone	86		98		63-138	13		20
Vinyl acetate	94		100		70-130	6		20
4-Methyl-2-pentanone	80		89		59-130	11		20
2-Hexanone	90		96		57-130	6		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841
Report Date: 03/04/21

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 Batch: WG1468137-3 WG1468137-4								
Bromochloromethane	110		100		70-130	10		20
2,2-Dichloropropane	97		100		63-133	3		20
1,2-Dibromoethane	95		99		70-130	4		20
1,3-Dichloropropane	96		100		70-130	4		20
1,1,1,2-Tetrachloroethane	91		92		64-130	1		20
Bromobenzene	97		100		70-130	3		20
n-Butylbenzene	100		110		53-136	10		20
sec-Butylbenzene	100		100		70-130	0		20
tert-Butylbenzene	84		85		70-130	1		20
o-Chlorotoluene	90		90		70-130	0		20
p-Chlorotoluene	97		98		70-130	1		20
1,2-Dibromo-3-chloropropane	92		96		41-144	4		20
Hexachlorobutadiene	100		100		63-130	0		20
Isopropylbenzene	96		99		70-130	3		20
p-Isopropyltoluene	99		100		70-130	1		20
Naphthalene	93		99		70-130	6		20
n-Propylbenzene	98		100		69-130	2		20
1,2,3-Trichlorobenzene	96		100		70-130	4		20
1,2,4-Trichlorobenzene	97		100		70-130	3		20
1,3,5-Trimethylbenzene	91		92		64-130	1		20
1,2,4-Trimethylbenzene	91		93		70-130	2		20
1,4-Dioxane	80		88		56-162	10		20
p-Diethylbenzene	97		98		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841
Report Date: 03/04/21

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 Batch: WG1468137-3 WG1468137-4								
p-Ethyltoluene	95		97		70-130	2		20
1,2,4,5-Tetramethylbenzene	93		94		70-130	1		20
Ethyl ether	120		130		59-134	8		20
trans-1,4-Dichloro-2-butene	93		100		70-130	7		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	108		114		70-130
Toluene-d8	100		99		70-130
4-Bromofluorobenzene	91		93		70-130
Dibromofluoromethane	103		104		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841

Report Date: 03/04/21

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): 01-05 QC Batch ID: WG1468137-6 WG1468137-7 QC Sample: L2108841-02 Client ID: MW-2												
Methylene chloride	ND	10	9.9	99		11	110		70-130	11		20
1,1-Dichloroethane	ND	10	11	110		12	120		70-130	9		20
Chloroform	ND	10	10	100		11	110		70-130	10		20
Carbon tetrachloride	ND	10	10	100		11	110		63-132	10		20
1,2-Dichloropropane	ND	10	11	110		11	110		70-130	0		20
Dibromochloromethane	ND	10	8.2	82		9.2	92		63-130	11		20
1,1,2-Trichloroethane	ND	10	9.6	96		10	100		70-130	4		20
Tetrachloroethene	ND	10	10	100		11	110		70-130	10		20
Chlorobenzene	ND	10	10	100		11	110		75-130	10		20
Trichlorofluoromethane	ND	10	16	**160**	Q	16	**160**	Q	62-150	0		20
1,2-Dichloroethane	ND	10	11	110		12	120		70-130	9		20
1,1,1-Trichloroethane	ND	10	11	110		11	110		67-130	0		20
Bromodichloromethane	ND	10	9.6	96		10	100		67-130	4		20
trans-1,3-Dichloropropene	ND	10	8.7	87		9.4	94		70-130	8		20
cis-1,3-Dichloropropene	ND	10	8.9	89		9.9	99		70-130	11		20
1,1-Dichloropropene	ND	10	11	110		12	120		70-130	9		20
Bromoform	ND	10	7.6	76		8.9	89		54-136	16		20
1,1,2,2-Tetrachloroethane	ND	10	9.7	97		11	110		67-130	13		20
Benzene	ND	10	10	100		11	110		70-130	10		20
Toluene	ND	10	9.9	99		11	110		70-130	11		20
Ethylbenzene	ND	10	10	100		11	110		70-130	10		20
Chloromethane	ND	10	13	130		15	**150**	Q	64-130	14		20
Bromomethane	ND	10	11	110		12	120		39-139	9		20

Matrix Spike Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841

Report Date: 03/04/21

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): 01-05 QC Batch ID: WG1468137-6 WG1468137-7 QC Sample: L2108841-02 Client ID: MW-2												
Vinyl chloride	ND	10	13	130		14	140		55-140	7		20
Chloroethane	ND	10	17	**170**	Q	17	**170**	Q	55-138	0		20
1,1-Dichloroethene	ND	10	11	110		12	120		61-145	9		20
trans-1,2-Dichloroethene	ND	10	10	100		11	110		70-130	10		20
Trichloroethene	ND	10	9.4	94		10	100		70-130	6		20
1,2-Dichlorobenzene	ND	10	9.8	98		10	100		70-130	2		20
1,3-Dichlorobenzene	ND	10	9.8	98		10	100		70-130	2		20
1,4-Dichlorobenzene	ND	10	9.9	99		11	110		70-130	11		20
Methyl tert butyl ether	ND	10	9.0	90		10	100		63-130	11		20
p/m-Xylene	ND	20	20	100		21	105		70-130	5		20
o-Xylene	ND	20	19	95		21	105		70-130	10		20
cis-1,2-Dichloroethene	ND	10	10	100		11	110		70-130	10		20
Dibromomethane	ND	10	10	100		11	110		70-130	10		20
1,2,3-Trichloropropane	ND	10	10	100		11	110		64-130	10		20
Acrylonitrile	ND	10	9.2	92		10	100		70-130	8		20
Styrene	ND	20	19	95		20	100		70-130	5		20
Dichlorodifluoromethane	ND	10	11	110		12	120		36-147	9		20
Acetone	14	10	22	80		25	110		58-148	13		20
Carbon disulfide	ND	10	11	110		12	120		51-130	9		20
2-Butanone	ND	10	10	100		11	110		63-138	10		20
Vinyl acetate	ND	10	9.2	92		10	100		70-130	8		20
4-Methyl-2-pentanone	ND	10	9.2	92		11	110		59-130	18		20
2-Hexanone	ND	10	9.1	91		10	100		57-130	9		20

Matrix Spike Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841

Report Date: 03/04/21

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): 01-05 QC Batch ID: WG1468137-6 WG1468137-7 QC Sample: L2108841-02 Client ID: MW-2												
Bromochloromethane	ND	10	10	100		11	110		70-130	10		20
2,2-Dichloropropane	ND	10	8.4	84		9.2	92		63-133	9		20
1,2-Dibromoethane	ND	10	9.5	95		10	100		70-130	5		20
1,3-Dichloropropane	ND	10	10	100		11	110		70-130	10		20
1,1,1,2-Tetrachloroethane	ND	10	9.1	91		9.7	97		64-130	6		20
Bromobenzene	ND	10	9.8	98		10	100		70-130	2		20
n-Butylbenzene	ND	10	10	100		11	110		53-136	10		20
sec-Butylbenzene	ND	10	10	100		11	110		70-130	10		20
tert-Butylbenzene	ND	10	8.6	86		9.3	93		70-130	8		20
o-Chlorotoluene	ND	10	9.4	94		10	100		70-130	6		20
p-Chlorotoluene	ND	10	9.8	98		10	100		70-130	2		20
1,2-Dibromo-3-chloropropane	ND	10	8.4	84		9.8	98		41-144	15		20
Hexachlorobutadiene	ND	10	9.7	97		11	110		63-130	13		20
Isopropylbenzene	ND	10	9.9	99		11	110		70-130	11		20
p-Isopropyltoluene	ND	10	9.9	99		11	110		70-130	11		20
Naphthalene	ND	10	9.8	98		11	110		70-130	12		20
n-Propylbenzene	ND	10	10	100		11	110		69-130	10		20
1,2,3-Trichlorobenzene	ND	10	9.1	91		10	100		70-130	9		20
1,2,4-Trichlorobenzene	ND	10	9.3	93		10	100		70-130	7		20
1,3,5-Trimethylbenzene	ND	10	9.2	92		9.9	99		64-130	7		20
1,2,4-Trimethylbenzene	ND	10	9.2	92		9.9	99		70-130	7		20
1,4-Dioxane	ND	500	400	80		430	86		56-162	7		20
p-Diethylbenzene	ND	10	9.4	94		10	100		70-130	6		20

Matrix Spike Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841

Report Date: 03/04/21

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): 01-05 QC Batch ID: WG1468137-6 WG1468137-7 QC Sample: L2108841-02 Client ID: MW-2												
p-Ethyltoluene	ND	10	9.5	95		10	100		70-130	5		20
1,2,4,5-Tetramethylbenzene	ND	10	9.0	90		9.9	99		70-130	10		20
Ethyl ether	ND	10	13	130		14	**140**	Q	59-134	7		20
trans-1,4-Dichloro-2-butene	ND	10	9.1	91		10	100		70-130	9		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		115		70-130
4-Bromofluorobenzene	90		92		70-130
Dibromofluoromethane	103		104		70-130
Toluene-d8	100		99		70-130

SEMIVOLATILES

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2108841
Report Date: 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-01
Client ID: MW-1
Sample Location: BRONX, NY

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 02/25/21 12:00
Analyst: JM

Date Collected: 02/23/21 12:00
Date Received: 02/23/21
Field Prep: Not Specified

Extraction Method: EPA 3510C
Extraction Date: 02/25/21 01:20

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: 2921 WESTCHESTER AVENUE **Lab Number:** L2108841

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-01 Date Collected: 02/23/21 12:00

Client ID: MW-1 Date Received: 02/23/21

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	70		21-120
Phenol-d6	57		10-120
Nitrobenzene-d5	90		23-120
2-Fluorobiphenyl	84		15-120
2,4,6-Tribromophenol	65		10-120
4-Terphenyl-d14	83		41-149

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2108841
Report Date: 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-01
Client ID: MW-1
Sample Location: BRONX, NY

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 02/25/21 14:03
Analyst: WR

Date Collected: 02/23/21 12:00
Date Received: 02/23/21
Field Prep: Not Specified

Extraction Method: EPA 3510C
Extraction Date: 02/25/21 01:21

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	ND		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	0.34	J	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: 2921 WESTCHESTER AVENUE **Lab Number:** L2108841

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-01 Date Collected: 02/23/21 12:00

Client ID: MW-1 Date Received: 02/23/21

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	49		21-120
Phenol-d6	54		10-120
Nitrobenzene-d5	**121**	Q	23-120
2-Fluorobiphenyl	100		15-120
2,4,6-Tribromophenol	86		10-120
4-Terphenyl-d14	103		41-149

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2108841
Report Date: 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-01
Client ID: MW-1
Sample Location: BRONX, NY

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 03/01/21 19:25
Analyst: PS

Date Collected: 02/23/21 12:00
Date Received: 02/23/21
Field Prep: Not Specified

Extraction Method: EPA 3510C
Extraction Date: 02/26/21 14:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	188.		ng/l	163	36.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	52		15-110

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2108841
Report Date: 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-01
Client ID: MW-1
Sample Location: BRONX, NY

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/25/21 20:40
Analyst: MP

Date Collected: 02/23/21 12:00
Date Received: 02/23/21
Field Prep: Not Specified

Extraction Method: ALPHA 23528
Extraction Date: 02/24/21 11:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	22.1		ng/l	1.84	0.375	1
Perfluoropentanoic Acid (PFPeA)	28.6		ng/l	1.84	0.364	1
Perfluorobutanesulfonic Acid (PFBS)	12.6		ng/l	1.84	0.219	1
Perfluorohexanoic Acid (PFHxA)	24.4		ng/l	1.84	0.301	1
Perfluoroheptanoic Acid (PFHpA)	10.6		ng/l	1.84	0.207	1
Perfluorohexanesulfonic Acid (PFHxS)	4.23		ng/l	1.84	0.345	1
Perfluorooctanoic Acid (PFOA)	35.4		ng/l	1.84	0.217	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	32.0		ng/l	1.84	1.22	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.713	JF	ng/l	1.84	0.632	1
Perfluorononanoic Acid (PFNA)	2.86		ng/l	1.84	0.287	1
Perfluorooctanesulfonic Acid (PFOS)	35.6		ng/l	1.84	0.463	1
Perfluorodecanoic Acid (PFDA)	0.397	J	ng/l	1.84	0.279	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.84	1.11	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.84	0.595	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.84	0.239	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.84	0.900	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.84	0.533	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.84	0.739	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.84	0.342	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.84	0.301	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.84	0.228	1
PFOA/PFOS, Total	71.0		ng/l	1.84	0.217	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2108841

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-01 Date Collected: 02/23/21 12:00

Client ID: MW-1 Date Received: 02/23/21

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 (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	91		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	112		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	102		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	80		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	88		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	101		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	90		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	127		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	94		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	97		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	84		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	100		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	82		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	96		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	20		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	78		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	77		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	80		22-136

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2108841
Report Date: 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-02
Client ID: MW-2
Sample Location: BRONX, NY

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 02/25/21 11:37
Analyst: JM

Date Collected: 02/23/21 13:30
Date Received: 02/23/21
Field Prep: Not Specified

Extraction Method: EPA 3510C
Extraction Date: 02/25/21 01:20

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: 2921 WESTCHESTER AVENUE **Lab Number:** L2108841

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-02 Date Collected: 02/23/21 13:30

Client ID: MW-2 Date Received: 02/23/21

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	65		21-120
Phenol-d6	57		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	83		15-120
2,4,6-Tribromophenol	92		10-120
4-Terphenyl-d14	90		41-149

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2108841
Report Date: 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-02
Client ID: MW-2
Sample Location: BRONX, NY

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 02/25/21 14:41
Analyst: WR

Date Collected: 02/23/21 13:30
Date Received: 02/23/21
Field Prep: Not Specified

Extraction Method: EPA 3510C
Extraction Date: 02/25/21 01:21

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	0.03	J	ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	0.03	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.02	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.01	J	ug/l	0.10	0.01	1
Chrysene	0.01	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	0.01	J	ug/l	0.10	0.01	1
Fluorene	ND		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	0.01	J	ug/l	0.10	0.01	1
Pyrene	0.03	J	ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	0.65	J	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: 2921 WESTCHESTER AVENUE **Lab Number:** L2108841

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-02 Date Collected: 02/23/21 13:30

Client ID: MW-2 Date Received: 02/23/21

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	51		21-120
Phenol-d6	61		10-120
Nitrobenzene-d5	103		23-120
2-Fluorobiphenyl	97		15-120
2,4,6-Tribromophenol	120		10-120
4-Terphenyl-d14	108		41-149

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2108841
Report Date: 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-02
Client ID: MW-2
Sample Location: BRONX, NY

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 03/01/21 20:00
Analyst: PS

Date Collected: 02/23/21 13:30
Date Received: 02/23/21
Field Prep: Not Specified

Extraction Method: EPA 3510C
Extraction Date: 02/26/21 14:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	134	30.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	43		15-110

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2108841
Report Date: 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-02
Client ID: MW-2
Sample Location: BRONX, NY

Date Collected: 02/23/21 13:30
Date Received: 02/23/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/25/21 20:57
Analyst: MP

Extraction Method: ALPHA 23528
Extraction Date: 02/24/21 11:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	16.8		ng/l	1.86	0.379	1
Perfluoropentanoic Acid (PFPeA)	2.07		ng/l	1.86	0.368	1
Perfluorobutanesulfonic Acid (PFBS)	0.275	JF	ng/l	1.86	0.221	1
Perfluorohexanoic Acid (PFHxA)	3.44		ng/l	1.86	0.305	1
Perfluoroheptanoic Acid (PFHpA)	1.89		ng/l	1.86	0.209	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.86	0.349	1
Perfluorooctanoic Acid (PFOA)	3.28		ng/l	1.86	0.219	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	1.85	J	ng/l	1.86	1.24	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.86	0.639	1
Perfluorononanoic Acid (PFNA)	1.11	J	ng/l	1.86	0.290	1
Perfluorooctanesulfonic Acid (PFOS)	3.89		ng/l	1.86	0.468	1
Perfluorodecanoic Acid (PFDA)	2.22		ng/l	1.86	0.282	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.86	1.12	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.86	0.602	1
Perfluoroundecanoic Acid (PFUnA)	1.05	J	ng/l	1.86	0.241	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.86	0.910	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.86	0.539	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.86	0.747	1
Perfluorododecanoic Acid (PFDoA)	1.37	JF	ng/l	1.86	0.346	1
Perfluorotridecanoic Acid (PFTrDA)	0.450	J	ng/l	1.86	0.304	1
Perfluorotetradecanoic Acid (PFTA)	0.490	J	ng/l	1.86	0.230	1
PFOA/PFOS, Total	7.17		ng/l	1.86	0.219	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2108841

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-02 Date Collected: 02/23/21 13:30

Client ID: MW-2 Date Received: 02/23/21

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 (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	77		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	100		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	97		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	65		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	69		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	89		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	76		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**203**	Q	14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	84		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	93		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	71		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	**232**	Q	10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	72		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	82		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	16		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	66		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	65		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	74		22-136

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2108841
Report Date: 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-03
Client ID: MW-5
Sample Location: BRONX, NY

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 02/25/21 12:24
Analyst: JG

Date Collected: 02/23/21 15:10
Date Received: 02/23/21
Field Prep: Not Specified

Extraction Method: EPA 3510C
Extraction Date: 02/25/21 01:20

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: 2921 WESTCHESTER AVENUE **Lab Number:** L2108841

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-03 Date Collected: 02/23/21 15:10

Client ID: MW-5 Date Received: 02/23/21

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	1.2	J	ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	77		21-120
Phenol-d6	62		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	84		15-120
2,4,6-Tribromophenol	86		10-120
4-Terphenyl-d14	86		41-149

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2108841
Report Date: 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-03
Client ID: MW-5
Sample Location: BRONX, NY

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 02/25/21 15:00
Analyst: WR

Date Collected: 02/23/21 15:10
Date Received: 02/23/21
Field Prep: Not Specified

Extraction Method: EPA 3510C
Extraction Date: 02/25/21 01:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.42		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.03	J	ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.52		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	0.03	J	ug/l	0.10	0.01	1
Anthracene	0.02	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	0.10	J	ug/l	0.10	0.01	1
Phenanthrene	0.08	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	0.03	J	ug/l	0.10	0.02	1
2-Methylnaphthalene	0.08	J	ug/l	0.10	0.02	1
Pentachlorophenol	0.27	J	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: 2921 WESTCHESTER AVENUE **Lab Number:** L2108841

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-03 Date Collected: 02/23/21 15:10

Client ID: MW-5 Date Received: 02/23/21

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	62		21-120
Phenol-d6	66		10-120
Nitrobenzene-d5	110		23-120
2-Fluorobiphenyl	98		15-120
2,4,6-Tribromophenol	116		10-120
4-Terphenyl-d14	105		41-149

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2108841
Report Date: 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-03
Client ID: MW-5
Sample Location: BRONX, NY

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 03/01/21 21:36
Analyst: PS

Date Collected: 02/23/21 15:10
Date Received: 02/23/21
Field Prep: Not Specified

Extraction Method: EPA 3510C
Extraction Date: 02/26/21 14:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	172.		ng/l	150	33.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	47		15-110

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2108841
Report Date: 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-03
Client ID: MW-5
Sample Location: BRONX, NY

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/25/21 21:48
Analyst: MP

Date Collected: 02/23/21 15:10
Date Received: 02/23/21
Field Prep: Not Specified

Extraction Method: ALPHA 23528
Extraction Date: 02/24/21 11:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	43.8		ng/l	1.93	0.394	1
Perfluoropentanoic Acid (PFPeA)	41.7		ng/l	1.93	0.382	1
Perfluorobutanesulfonic Acid (PFBS)	29.0		ng/l	1.93	0.230	1
Perfluorohexanoic Acid (PFHxA)	38.9		ng/l	1.93	0.317	1
Perfluoroheptanoic Acid (PFHpA)	26.4		ng/l	1.93	0.218	1
Perfluorohexanesulfonic Acid (PFHxS)	9.57		ng/l	1.93	0.363	1
Perfluorooctanoic Acid (PFOA)	94.0		ng/l	1.93	0.228	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	7.00		ng/l	1.93	1.29	1
Perfluoroheptanesulfonic Acid (PFHpS)	1.88	JF	ng/l	1.93	0.665	1
Perfluorononanoic Acid (PFNA)	13.5		ng/l	1.93	0.301	1
Perfluorooctanesulfonic Acid (PFOS)	111		ng/l	1.93	0.487	1
Perfluorodecanoic Acid (PFDA)	3.38		ng/l	1.93	0.294	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	1.24	J	ng/l	1.93	1.17	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	19.3	F	ng/l	1.93	0.626	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.93	0.251	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.93	0.947	1
Perfluorooctanesulfonamide (FOSA)	0.846	JF	ng/l	1.93	0.560	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	16.7		ng/l	1.93	0.777	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.93	0.359	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.93	0.316	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.93	0.240	1
PFOA/PFOS, Total	205		ng/l	1.93	0.228	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2108841

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-03 Date Collected: 02/23/21 15:10

Client ID: MW-5 Date Received: 02/23/21

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 (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	89		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	87		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	89		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	72		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	78		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	98		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	90		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**256**	Q	14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	100		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	94		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	80		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	**590**	Q	10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	91		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	61		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	12		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	53		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	67		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	98		22-136

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2108841
Report Date: 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-04
Client ID: BW-1
Sample Location: BRONX, NY

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 02/25/21 13:36
Analyst: JG

Date Collected: 02/23/21 17:00
Date Received: 02/23/21
Field Prep: Not Specified

Extraction Method: EPA 3510C
Extraction Date: 02/25/21 01:20

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: 2921 WESTCHESTER AVENUE **Lab Number:** L2108841

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-04 Date Collected: 02/23/21 17:00

Client ID: BW-1 Date Received: 02/23/21

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	87		21-120
Phenol-d6	68		10-120
Nitrobenzene-d5	99		23-120
2-Fluorobiphenyl	93		15-120
2,4,6-Tribromophenol	88		10-120
4-Terphenyl-d14	89		41-149

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2108841
Report Date: 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-04
Client ID: BW-1
Sample Location: BRONX, NY

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 02/25/21 15:37
Analyst: WR

Date Collected: 02/23/21 17:00
Date Received: 02/23/21
Field Prep: Not Specified

Extraction Method: EPA 3510C
Extraction Date: 02/25/21 01:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.02	J	ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.06	J	ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.09	J	ug/l	0.10	0.05	1
Benzo(a)anthracene	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	0.03	J	ug/l	0.10	0.01	1
Phenanthrene	0.06	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	0.03	J	ug/l	0.10	0.02	1
2-Methylnaphthalene	0.10	J	ug/l	0.10	0.02	1
Pentachlorophenol	0.27	J	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: 2921 WESTCHESTER AVENUE **Lab Number:** L2108841

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-04 Date Collected: 02/23/21 17:00

Client ID: BW-1 Date Received: 02/23/21

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	66		21-120
Phenol-d6	69		10-120
Nitrobenzene-d5	**132**	Q	23-120
2-Fluorobiphenyl	105		15-120
2,4,6-Tribromophenol	114		10-120
4-Terphenyl-d14	107		41-149

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2108841
Report Date: 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-04
Client ID: BW-1
Sample Location: BRONX, NY

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 03/01/21 22:10
Analyst: PS

Date Collected: 02/23/21 17:00
Date Received: 02/23/21
Field Prep: Not Specified

Extraction Method: EPA 3510C
Extraction Date: 02/26/21 14:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	144	32.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	42		15-110

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2108841
Report Date: 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-04
Client ID: BW-1
Sample Location: BRONX, NY

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/25/21 22:04
Analyst: MP

Date Collected: 02/23/21 17:00
Date Received: 02/23/21
Field Prep: Not Specified

Extraction Method: ALPHA 23528
Extraction Date: 02/24/21 11:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	5.28		ng/l	1.85	0.377	1
Perfluoropentanoic Acid (PFPeA)	5.37		ng/l	1.85	0.366	1
Perfluorobutanesulfonic Acid (PFBS)	3.30		ng/l	1.85	0.220	1
Perfluorohexanoic Acid (PFHxA)	5.62		ng/l	1.85	0.303	1
Perfluoroheptanoic Acid (PFHpA)	5.04		ng/l	1.85	0.208	1
Perfluorohexanesulfonic Acid (PFHxS)	2.40	F	ng/l	1.85	0.348	1
Perfluorooctanoic Acid (PFOA)	25.7		ng/l	1.85	0.218	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	5.93		ng/l	1.85	1.23	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.85	0.636	1
Perfluorononanoic Acid (PFNA)	6.64		ng/l	1.85	0.288	1
Perfluorooctanesulfonic Acid (PFOS)	9.00		ng/l	1.85	0.466	1
Perfluorodecanoic Acid (PFDA)	0.588	J	ng/l	1.85	0.281	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.85	1.12	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.85	0.599	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.85	0.240	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.85	0.906	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.85	0.536	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.85	0.744	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.85	0.344	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.85	0.303	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.85	0.229	1
PFOA/PFOS, Total	34.7		ng/l	1.85	0.218	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2108841

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-04 Date Collected: 02/23/21 17:00

Client ID: BW-1 Date Received: 02/23/21

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 (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	61		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	66		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	92		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**54**	Q	57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	64		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	85		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	73		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	140		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	83		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	89		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	75		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	104		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	75		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	82		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	11		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	65		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	68		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	72		22-136

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2108841
Report Date: 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-05
Client ID: BW-1_DUP
Sample Location: BRONX, NY

Date Collected: 02/23/21 17:10
Date Received: 02/23/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 02/25/21 13:59
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 02/25/21 01:20

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: 2921 WESTCHESTER AVENUE **Lab Number:** L2108841

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-05 Date Collected: 02/23/21 17:10

Client ID: BW-1_DUP Date Received: 02/23/21

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	74		21-120
Phenol-d6	65		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	83		15-120
2,4,6-Tribromophenol	76		10-120
4-Terphenyl-d14	85		41-149

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2108841
Report Date: 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-05
Client ID: BW-1_DUP
Sample Location: BRONX, NY

Date Collected: 02/23/21 17:10
Date Received: 02/23/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 02/25/21 15:56
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 02/25/21 01:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.02	J	ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.03	J	ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	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	0.03	J	ug/l	0.10	0.01	1
Phenanthrene	0.04	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	0.02	J	ug/l	0.10	0.02	1
2-Methylnaphthalene	0.07	J	ug/l	0.10	0.02	1
Pentachlorophenol	0.28	J	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: 2921 WESTCHESTER AVENUE **Lab Number:** L2108841

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-05 Date Collected: 02/23/21 17:10

Client ID: BW-1_DUP Date Received: 02/23/21

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	60		21-120
Phenol-d6	67		10-120
Nitrobenzene-d5	**128**	Q	23-120
2-Fluorobiphenyl	100		15-120
2,4,6-Tribromophenol	97		10-120
4-Terphenyl-d14	104		41-149

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2108841
Report Date: 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-05
Client ID: BW-1_DUP
Sample Location: BRONX, NY

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 03/02/21 08:34
Analyst: PS

Date Collected: 02/23/21 17:10
Date Received: 02/23/21
Field Prep: Not Specified

Extraction Method: EPA 3510C
Extraction Date: 02/26/21 14:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	144	32.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	42		15-110

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2108841
Report Date: 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-05
Client ID: BW-1_DUP
Sample Location: BRONX, NY

Date Collected: 02/23/21 17:10
Date Received: 02/23/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/25/21 22:21
Analyst: MP

Extraction Method: ALPHA 23528
Extraction Date: 02/24/21 11:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	5.64		ng/l	1.87	0.381	1
Perfluoropentanoic Acid (PFPeA)	5.54		ng/l	1.87	0.370	1
Perfluorobutanesulfonic Acid (PFBS)	3.45		ng/l	1.87	0.222	1
Perfluorohexanoic Acid (PFHxA)	6.55		ng/l	1.87	0.306	1
Perfluoroheptanoic Acid (PFHpA)	5.65		ng/l	1.87	0.210	1
Perfluorohexanesulfonic Acid (PFHxS)	2.16		ng/l	1.87	0.351	1
Perfluorooctanoic Acid (PFOA)	25.4		ng/l	1.87	0.220	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	5.66		ng/l	1.87	1.24	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.87	0.642	1
Perfluorononanoic Acid (PFNA)	6.95		ng/l	1.87	0.291	1
Perfluorooctanesulfonic Acid (PFOS)	8.83		ng/l	1.87	0.471	1
Perfluorodecanoic Acid (PFDA)	0.740	J	ng/l	1.87	0.284	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.87	1.13	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.87	0.605	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.87	0.243	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.87	0.915	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.87	0.751	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.87	0.347	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.87	0.306	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.87	0.232	1
PFOA/PFOS, Total	34.2		ng/l	1.87	0.220	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2108841

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-05 Date Collected: 02/23/21 17:10

Client ID: BW-1_DUP Date Received: 02/23/21

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 (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	69		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	72		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	92		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	59		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	73		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	87		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	82		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	134		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	90		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	90		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	80		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	121		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	72		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	88		55-137
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	70		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	78		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	74		22-136

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2108841
Report Date: 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-05
Client ID: BW-1_DUP
Sample Location: BRONX, NY

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/26/21 20:07
Analyst: RS

Date Collected: 02/23/21 17:10
Date Received: 02/23/21
Field Prep: Not Specified

Extraction Method: ALPHA 23528
Extraction Date: 02/24/21 11:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.87	0.542	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	41		10-112

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2108841
Report Date: 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-06
Client ID: FIELD BLANK
Sample Location: BRONX, NY

Date Collected: 02/23/21 13:45
Date Received: 02/23/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 02/25/21 14:23
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 02/25/21 01:20

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: 2921 WESTCHESTER AVENUE **Lab Number:** L2108841

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-06 Date Collected: 02/23/21 13:45

Client ID: FIELD BLANK Date Received: 02/23/21

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	80		21-120
Phenol-d6	64		10-120
Nitrobenzene-d5	96		23-120
2-Fluorobiphenyl	89		15-120
2,4,6-Tribromophenol	67		10-120
4-Terphenyl-d14	82		41-149

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2108841
Report Date: 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-06
Client ID: FIELD BLANK
Sample Location: BRONX, NY

Date Collected: 02/23/21 13:45
Date Received: 02/23/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 02/25/21 16:15
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 02/25/21 01:21

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	0.02	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.02	J	ug/l	0.10	0.01	1
Chrysene	0.01	J	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	0.02	J	ug/l	0.10	0.01	1
Fluorene	ND		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	0.02	J	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	0.20	J	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: 2921 WESTCHESTER AVENUE **Lab Number:** L2108841

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-06 Date Collected: 02/23/21 13:45

Client ID: FIELD BLANK Date Received: 02/23/21

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	57		21-120
Phenol-d6	66		10-120
Nitrobenzene-d5	**132**	Q	23-120
2-Fluorobiphenyl	111		15-120
2,4,6-Tribromophenol	83		10-120
4-Terphenyl-d14	111		41-149

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2108841
Report Date: 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-06
Client ID: FIELD BLANK
Sample Location: BRONX, NY

Date Collected: 02/23/21 13:45
Date Received: 02/23/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 03/02/21 09:10
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 02/26/21 14:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	134	30.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	43		15-110

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2108841
Report Date: 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-06
Client ID: FIELD BLANK
Sample Location: BRONX, NY

Date Collected: 02/23/21 13:45
Date Received: 02/23/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/25/21 22:37
Analyst: MP

Extraction Method: ALPHA 23528
Extraction Date: 02/24/21 11:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.75	0.358	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.75	0.347	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.75	0.209	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.75	0.288	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.75	0.197	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.75	0.330	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.75	0.207	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.75	1.17	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.75	0.603	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.75	0.274	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.75	0.442	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.75	0.266	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.75	1.06	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.75	0.568	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.75	0.228	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.75	0.859	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.75	0.508	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.75	0.705	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.75	0.326	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.75	0.287	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.75	0.217	1
PFOA/PFOS, Total	ND		ng/l	1.75	0.207	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2108841

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-06 Date Collected: 02/23/21 13:45

Client ID: FIELD BLANK Date Received: 02/23/21

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 (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	99		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	127		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**135**	Q	70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	106		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	103		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	115		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	98		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	103		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	101		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	107		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	94		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	94		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	95		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	101		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	36		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	90		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	86		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	94		22-136

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841
Report Date: 03/04/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/25/21 15:59
Analyst: MP

Extraction Method: ALPHA 23528
Extraction Date: 02/24/21 11:23

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-06 Batch: WG1467746-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	0.436	J	ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	0.268	J	ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	0.512	J	ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	1.14	J	ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	0.384	J	ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	0.880	J	ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	1.14	J	ng/l	2.00	0.236

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841
Report Date: 03/04/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/25/21 15:59
Analyst: MP

Extraction Method: ALPHA 23528
Extraction Date: 02/24/21 11:23

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-06 Batch: WG1467746-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	97		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	107		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	114		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	110		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	102		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	99		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	97		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	111		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	99		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	101		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	92		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	104		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	62		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	97		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	51		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	81		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	77		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	93		22-136

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841
Report Date: 03/04/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/26/21 19:53
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 02/24/21 11:23

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-06 Batch: WG1467746-1					
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	47		10-112

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841
Report Date: 03/04/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 02/25/21 09:14
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 02/25/21 01:20

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1467973-1					
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: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841
Report Date: 03/04/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 02/25/21 09:14
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 02/25/21 01:20

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1467973-1					
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: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841
Report Date: 03/04/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 02/25/21 09:14
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 02/25/21 01:20

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1467973-1					
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Pentachlorophenol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.59
Carbazole	ND		ug/l	2.0	0.49

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		21-120
Phenol-d6	49		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	80		15-120
2,4,6-Tribromophenol	58		10-120
4-Terphenyl-d14	75		41-149

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841
Report Date: 03/04/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 02/25/21 11:33
Analyst: RP

Extraction Method: EPA 3510C
Extraction Date: 02/25/21 01:21

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-06 Batch: WG1467974-1					
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: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841
Report Date: 03/04/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 02/25/21 11:33
Analyst: RP

Extraction Method: EPA 3510C
Extraction Date: 02/25/21 01:21

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-06 Batch: WG1467974-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	55		21-120
Phenol-d6	59		10-120
Nitrobenzene-d5	**129**	Q	23-120
2-Fluorobiphenyl	100		15-120
2,4,6-Tribromophenol	88		10-120
4-Terphenyl-d14	109		41-149

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841
Report Date: 03/04/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 03/01/21 12:34
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 02/26/21 14:00

Parameter	Result	Qualifier	Units	RL	MDL
1,4 Dioxane by 8270D-SIM - Mansfield Lab for sample(s): 01-06 Batch: WG1468681-1					
1,4-Dioxane	ND		ng/l	150	33.9

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	41		15-110

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841
Report Date: 03/04/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-06 Batch: WG1467746-2								
Perfluorobutanoic Acid (PFBA)	103		-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	105		-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	101		-		65-157	-		30
Perfluorohexanoic Acid (PFHxA)	107		-		69-168	-		30
Perfluoroheptanoic Acid (PFHpA)	102		-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	102		-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	107		-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	104		-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	103		-		61-179	-		30
Perfluorononanoic Acid (PFNA)	102		-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	94		-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	101		-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	102		-		56-173	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	117		-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	108		-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	104		-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	100		-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	113		-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	124		-		67-153	-		30
Perfluorotridecanoic Acid (PFTrDA)	136		-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	112		-		59-182	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841

Report Date: 03/04/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-06 Batch: WG1467746-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	93				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	105				62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	112				70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	103				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	99				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	98				71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	92				62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	106				14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	97				59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	96				69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	88				62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	108				10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	71				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	95				55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	44				10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	79				27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	85				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	100				22-136

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841

Report Date: 03/04/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-06 Batch: WG1467746-2								
Perfluorooctanesulfonamide (FOSA)	104		-		46-170	-		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	48				10-112

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841
Report Date: 03/04/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1467973-2 WG1467973-3								
Acenaphthene	72		65		37-111	10		30
1,2,4-Trichlorobenzene	70		64		39-98	9		30
Hexachlorobenzene	70		64		40-140	9		30
Bis(2-chloroethyl)ether	69		66		40-140	4		30
2-Chloronaphthalene	72		69		40-140	4		30
1,2-Dichlorobenzene	66		62		40-140	6		30
1,3-Dichlorobenzene	64		60		40-140	6		30
1,4-Dichlorobenzene	67		62		36-97	8		30
3,3'-Dichlorobenzidine	68		63		40-140	8		30
2,4-Dinitrotoluene	79		76		48-143	4		30
2,6-Dinitrotoluene	80		75		40-140	6		30
Fluoranthene	77		72		40-140	7		30
4-Chlorophenyl phenyl ether	70		65		40-140	7		30
4-Bromophenyl phenyl ether	70		64		40-140	9		30
Bis(2-chloroisopropyl)ether	60		55		40-140	9		30
Bis(2-chloroethoxy)methane	68		63		40-140	8		30
Hexachlorobutadiene	73		73		40-140	0		30
Hexachlorocyclopentadiene	83		77		40-140	8		30
Hexachloroethane	68		60		40-140	13		30
Isophorone	66		61		40-140	8		30
Naphthalene	69		66		40-140	4		30
Nitrobenzene	74		71		40-140	4		30
NDPA/DPA	71		64		40-140	10		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841
Report Date: 03/04/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1467973-2 WG1467973-3								
n-Nitrosodi-n-propylamine	70		65		29-132	7		30
Bis(2-ethylhexyl)phthalate	73		70		40-140	4		30
Butyl benzyl phthalate	78		74		40-140	5		30
Di-n-butylphthalate	67		65		40-140	3		30
Di-n-octylphthalate	81		79		40-140	3		30
Diethyl phthalate	68		64		40-140	6		30
Dimethyl phthalate	74		69		40-140	7		30
Benzo(a)anthracene	82		75		40-140	9		30
Benzo(a)pyrene	94		87		40-140	8		30
Benzo(b)fluoranthene	84		80		40-140	5		30
Benzo(k)fluoranthene	88		81		40-140	8		30
Chrysene	79		71		40-140	11		30
Acenaphthylene	77		74		45-123	4		30
Anthracene	76		72		40-140	5		30
Benzo(ghi)perylene	82		76		40-140	8		30
Fluorene	72		65		40-140	10		30
Phenanthrene	77		70		40-140	10		30
Dibenzo(a,h)anthracene	81		74		40-140	9		30
Indeno(1,2,3-cd)pyrene	83		77		40-140	8		30
Pyrene	74		69		26-127	7		30
Biphenyl	76		71		40-140	7		30
4-Chloroaniline	**36**	Q	44		40-140	20		30
2-Nitroaniline	83		78		52-143	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841
Report Date: 03/04/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1467973-2 WG1467973-3								
3-Nitroaniline	60		59		25-145	2		30
4-Nitroaniline	69		66		51-143	4		30
Dibenzofuran	71		65		40-140	9		30
2-Methylnaphthalene	73		70		40-140	4		30
1,2,4,5-Tetrachlorobenzene	78		72		2-134	8		30
Acetophenone	67		63		39-129	6		30
2,4,6-Trichlorophenol	84		81		30-130	4		30
p-Chloro-m-cresol	82		77		23-97	6		30
2-Chlorophenol	75		66		27-123	13		30
2,4-Dichlorophenol	77		71		30-130	8		30
2,4-Dimethylphenol	72		70		30-130	3		30
2-Nitrophenol	95		90		30-130	5		30
4-Nitrophenol	61		57		10-80	7		30
2,4-Dinitrophenol	89		87		20-130	2		30
4,6-Dinitro-o-cresol	86		89		20-164	3		30
Pentachlorophenol	74		74		9-103	0		30
Phenol	54		52		12-110	4		30
2-Methylphenol	69		64		30-130	8		30
3-Methylphenol/4-Methylphenol	72		68		30-130	6		30
2,4,5-Trichlorophenol	80		76		30-130	5		30
Benzoic Acid	58		56		10-164	4		30
Benzyl Alcohol	64		63		26-116	2		30
Carbazole	76		72		55-144	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841

Report Date: 03/04/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1467973-2 WG1467973-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	67		63		21-120
Phenol-d6	54		51		10-120
Nitrobenzene-d5	77		73		23-120
2-Fluorobiphenyl	76		70		15-120
2,4,6-Tribromophenol	80		72		10-120
4-Terphenyl-d14	73		66		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841
Report Date: 03/04/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-06 Batch: WG1467974-2 WG1467974-3								
Acenaphthene	62		77		40-140	22		40
2-Chloronaphthalene	79		101		40-140	24		40
Fluoranthene	78		98		40-140	23		40
Hexachlorobutadiene	74		94		40-140	24		40
Naphthalene	65		83		40-140	24		40
Benzo(a)anthracene	75		94		40-140	22		40
Benzo(a)pyrene	89		109		40-140	20		40
Benzo(b)fluoranthene	72		94		40-140	27		40
Benzo(k)fluoranthene	87		105		40-140	19		40
Chrysene	76		95		40-140	22		40
Acenaphthylene	84		104		40-140	21		40
Anthracene	76		94		40-140	21		40
Benzo(ghi)perylene	74		91		40-140	21		40
Fluorene	70		87		40-140	22		40
Phenanthrene	66		82		40-140	22		40
Dibenzo(a,h)anthracene	79		99		40-140	22		40
Indeno(1,2,3-cd)pyrene	77		94		40-140	20		40
Pyrene	78		99		40-140	24		40
2-Methylnaphthalene	71		90		40-140	24		40
Pentachlorophenol	105		128		40-140	20		40
Hexachlorobenzene	63		78		40-140	21		40
Hexachloroethane	78		98		40-140	23		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841

Report Date: 03/04/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-06 Batch: WG1467974-2 WG1467974-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	48		66		21-120
Phenol-d6	50		65		10-120
Nitrobenzene-d5	105		**135**	Q	23-120
2-Fluorobiphenyl	76		96		15-120
2,4,6-Tribromophenol	86		107		10-120
4-Terphenyl-d14	81		101		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841

Report Date: 03/04/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270D-SIM - Mansfield Lab Associated sample(s): 01-06 Batch: WG1468681-2 WG1468681-3								
1,4-Dioxane	116		111		40-140	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,4-Dioxane-d8	48		49		15-110

Matrix Spike Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841

Report Date: 03/04/21

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): 01-06 QC Batch ID: WG1467746-3 WG1467746-4 QC Sample: L2108841-02 Client ID: MW-2												
Perfluorobutanoic Acid (PFBA)	16.8	37.5	56.3	105		52.6	94		67-148	7		30
Perfluoropentanoic Acid (PFPeA)	2.07	37.5	39.7	100		39.6	99		63-161	0		30
Perfluorobutanesulfonic Acid (PFBS)	0.275JF	33.3	33.6	100		32.3	95		65-157	4		30
Perfluorohexanoic Acid (PFHxA)	3.44	37.5	42.3	104		40.6	98		69-168	4		30
Perfluoroheptanoic Acid (PFHpA)	1.89	37.5	39.9	101		38.9	98		58-159	3		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	34.2	41.6	121		37.3	108		69-177	11		30
Perfluorooctanoic Acid (PFOA)	3.28	37.5	42.8	105		41.0	100		63-159	4		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	1.85J	35.7	40.5	108		41.8	111		49-187	3		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	35.7	33.5	94		34.7	96		61-179	4		30
Perfluorononanoic Acid (PFNA)	1.11J	37.5	40.0	104		39.2	101		68-171	2		30
Perfluorooctanesulfonic Acid (PFOS)	3.89	34.8	38.0	98		39.4	101		52-151	4		30
Perfluorodecanoic Acid (PFDA)	2.22	37.5	41.0	103		40.3	101		63-171	2		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	36	40.1	111		41.1	113		56-173	2		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	37.5	41.9	112		47.9	126		60-166	13		30
Perfluoroundecanoic Acid (PFUnA)	1.05J	37.5	41.9	109		43.2	111		60-153	3		30
Perfluorodecanesulfonic Acid (PFDS)	ND	36.1	40.1	111		40.4	111		38-156	1		30
Perfluorooctanesulfonamide (FOSA)	ND	37.5	35.1F	94		43.5F	115		46-170	21		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	37.5	46.5	124		49.2	130		45-170	6		30
Perfluorododecanoic Acid (PFDoA)	1.37JF	37.5	49.7	129		47.6	122		67-153	4		30
Perfluorotridecanoic Acid (PFTrDA)	0.450J	37.5	54.1	143		55.4	145		48-158	2		30
Perfluorotetradecanoic Acid (PFTA)	0.490J	37.5	43.4	115		45.6	119		59-182	5		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841

Report Date: 03/04/21

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): 01-06 QC Batch ID: WG1467746-3 WG1467746-4 QC Sample: L2108841-02 Client ID: MW-2												

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	**216**	Q	**204**	Q	10-162
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**199**	Q	**207**	Q	14-147
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	72		73		27-126
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	81		72		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	84		82		55-137
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	71		73		62-124
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	64		65		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	69		71		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	78		86		71-134
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	71		70		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	75		75		22-136
Perfluoro[13C4]Butanoic Acid (MPFBA)	78		81		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	106		109		62-163
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	23		19		10-112
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	94		93		69-131
Perfluoro[13C8]Octanoic Acid (M8PFOA)	75		78		62-129
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	81		84		59-139
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	93		97		70-131

Matrix Spike Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841

Report Date: 03/04/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1467973-4 WG1467973-5 QC Sample: L2108841-02 Client ID: MW-2												
1,2,4-Trichlorobenzene	ND	18.2	11	61		15	83		39-98	**31**	Q	30
Bis(2-chloroethyl)ether	ND	18.2	12	66		15	83		40-140	22		30
1,2-Dichlorobenzene	ND	18.2	11	61		15	83		40-140	**31**	Q	30
1,3-Dichlorobenzene	ND	18.2	11	61		15	83		40-140	**31**	Q	30
1,4-Dichlorobenzene	ND	18.2	11	61		14	77		36-97	24		30
3,3'-Dichlorobenzidine	ND	18.2	ND	**0**	Q	ND	**0**	Q	40-140	NC		30
2,4-Dinitrotoluene	ND	18.2	14	77		16	88		48-143	13		30
2,6-Dinitrotoluene	ND	18.2	14	77		17	94		40-140	19		30
4-Chlorophenyl phenyl ether	ND	18.2	11	61		14	77		40-140	24		30
4-Bromophenyl phenyl ether	ND	18.2	12	66		14	77		40-140	15		30
Bis(2-chloroisopropyl)ether	ND	18.2	10	55		13	72		40-140	26		30
Bis(2-chloroethoxy)methane	ND	18.2	11	61		15	83		40-140	**31**	Q	30
Hexachlorocyclopentadiene	ND	18.2	14.J	77		18.J	99		40-140	25		30
Isophorone	ND	18.2	11	61		14	77		40-140	24		30
Nitrobenzene	ND	18.2	14	77		19	100		40-140	30		30
NDPA/DPA	ND	18.2	12	66		14	77		40-140	15		30
n-Nitrosodi-n-propylamine	ND	18.2	12	66		16	88		29-132	29		30
Bis(2-ethylhexyl)phthalate	ND	18.2	14	77		17	94		40-140	19		30
Butyl benzyl phthalate	ND	18.2	15	83		18	99		40-140	18		30
Di-n-butylphthalate	ND	18.2	12	66		16	88		40-140	29		30
Di-n-octylphthalate	ND	18.2	15	83		19	100		40-140	24		30
Diethyl phthalate	ND	18.2	12	66		15	83		40-140	22		30
Dimethyl phthalate	ND	18.2	12	66		15	83		40-140	22		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841

Report Date: 03/04/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1467973-4 WG1467973-5 QC Sample: L2108841-02 Client ID: MW-2												
Biphenyl	ND	18.2	13	72		17	94		40-140	27		30
4-Chloroaniline	ND	18.2	1.3J	**7**	Q	ND	**0**	Q	40-140	NC		30
2-Nitroaniline	ND	18.2	8.2	**45**	Q	9.5	52		52-143	15		30
3-Nitroaniline	ND	18.2	ND	**0**	Q	ND	**0**	Q	25-145	NC		30
4-Nitroaniline	ND	18.2	ND	**0**	Q	ND	**0**	Q	51-143	NC		30
Dibenzofuran	ND	18.2	12	66		15	83		40-140	22		30
1,2,4,5-Tetrachlorobenzene	ND	18.2	13	72		16	88		2-134	21		30
Acetophenone	ND	18.2	11	61		15	83		39-129	**31**	Q	30
2,4,6-Trichlorophenol	ND	18.2	14	77		18	99		30-130	25		30
p-Chloro-m-cresol	ND	18.2	14	77		17	94		23-97	19		30
2-Chlorophenol	ND	18.2	12	66		16	88		27-123	29		30
2,4-Dichlorophenol	ND	18.2	13	72		17	94		30-130	27		30
2,4-Dimethylphenol	ND	18.2	7.5	41		8.8	48		30-130	16		30
2-Nitrophenol	ND	18.2	17	94		21	120		30-130	21		30
4-Nitrophenol	ND	18.2	12	66		15	**83**	Q	10-80	22		30
2,4-Dinitrophenol	ND	18.2	20	110		24	130		20-130	18		30
4,6-Dinitro-o-cresol	ND	18.2	15	83		19	100		20-164	24		30
Phenol	ND	18.2	10	55		13	72		12-110	26		30
2-Methylphenol	ND	18.2	11	61		14	77		30-130	24		30
3-Methylphenol/4-Methylphenol	ND	18.2	11	61		15	83		30-130	**31**	Q	30
2,4,5-Trichlorophenol	ND	18.2	14	77		18	99		30-130	25		30
Benzoic Acid	ND	18.2	18.J	99		22.J	120		10-164	20		30
Benzyl Alcohol	ND	18.2	11	61		15	83		26-116	**31**	Q	30

Matrix Spike Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841

Report Date: 03/04/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1467973-4 WG1467973-5 QC Sample: L2108841-02 Client ID: MW-2												
Carbazole	ND	18.2	14	77		16	88		55-144	13		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	70		88		10-120
2-Fluorobiphenyl	70		91		15-120
2-Fluorophenol	64		84		21-120
4-Terphenyl-d14	67		83		41-149
Nitrobenzene-d5	72		97		23-120
Phenol-d6	53		73		10-120

Matrix Spike Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841

Report Date: 03/04/21

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): 01-06 QC Batch ID: WG1467974-4 WG1467974-5 QC Sample: L2108841-02 Client ID: MW-2												
Acenaphthene	ND	3.64	2.8	77		3.6	99		40-140	25		40
2-Chloronaphthalene	ND	3.64	3.4	94		4.3	120		40-140	23		40
Fluoranthene	0.03J	3.64	3.6	99		4.4	120		40-140	20		40
Hexachlorobutadiene	ND	3.64	3.2	88		4.2	120		40-140	27		40
Naphthalene	ND	3.64	2.9	80		3.8	100		40-140	27		40
Benzo(a)anthracene	0.03J	3.64	3.4	94		4.1	110		40-140	19		40
Benzo(a)pyrene	ND	3.64	4.1	110		5.0	140		40-140	20		40
Benzo(b)fluoranthene	0.02J	3.64	3.3	91		4.1	110		40-140	22		40
Benzo(k)fluoranthene	0.01J	3.64	4.0	110		4.9	130		40-140	20		40
Chrysene	0.01J	3.64	3.4	94		4.3	120		40-140	23		40
Acenaphthylene	ND	3.64	3.8	100		4.7	130		40-140	21		40
Anthracene	0.03J	3.64	3.5	96		4.3	120		40-140	21		40
Benzo(ghi)perylene	0.01J	3.64	3.4	94		4.2	120		40-140	21		40
Fluorene	ND	3.64	3.2	88		4.1	110		40-140	25		40
Phenanthrene	ND	3.64	3.0	83		3.7	100		40-140	21		40
Dibenzo(a,h)anthracene	ND	3.64	3.7	100		4.6	130		40-140	22		40
Indeno(1,2,3-cd)pyrene	0.01J	3.64	3.6	99		4.5	120		40-140	22		40
Pyrene	0.03J	3.64	3.6	99		4.5	120		40-140	22		40
2-Methylnaphthalene	ND	3.64	3.2	88		4.0	110		40-140	22		40
Pentachlorophenol	0.65J	3.64	5.1	140		6.3	**170**	Q	40-140	21		40
Hexachlorobenzene	ND	3.64	2.9	80		3.6	99		40-140	22		40
Hexachloroethane	ND	3.64	3.0	83		4.2	120		40-140	33		40

Matrix Spike Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841

Report Date: 03/04/21

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): 01-06 QC Batch ID: WG1467974-4 WG1467974-5 QC Sample: L2108841-02 Client ID: MW-2												

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	21		27		10-120
2-Fluorobiphenyl	19		24		15-120
2-Fluorophenol	**9**	Q	**13**	Q	21-120
4-Terphenyl-d14	**19**	Q	**24**	Q	41-149
Nitrobenzene-d5	**22**	Q	30		23-120
Phenol-d6	12		16		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): 01-06 QC Batch ID: WG1468681-4 WG1468681-5 QC Sample: L2108841-02 Client ID: MW-2												
1,4-Dioxane	ND	4810	5730	119		5680	123		40-140	1		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,4-Dioxane-d8	44		41		15-110

PCBS

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2108841
Report Date: 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-01
Client ID: MW-1
Sample Location: BRONX, NY

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 02/24/21 18:19
Analyst: JAW

Date Collected: 02/23/21 12:00
Date Received: 02/23/21
Field Prep: Not Specified

Extraction Method: EPA 3510C
Extraction Date: 02/24/21 07:35
Cleanup Method: EPA 3665A
Cleanup Date: 02/24/21
Cleanup Method: EPA 3660B
Cleanup Date: 02/24/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	97		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	102		30-150	B
Decachlorobiphenyl	98		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2108841
Report Date: 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-02
Client ID: MW-2
Sample Location: BRONX, NY

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 02/24/21 17:54
Analyst: JAW

Date Collected: 02/23/21 13:30
Date Received: 02/23/21
Field Prep: Not Specified

Extraction Method: EPA 3510C
Extraction Date: 02/24/21 07:35
Cleanup Method: EPA 3665A
Cleanup Date: 02/24/21
Cleanup Method: EPA 3660B
Cleanup Date: 02/24/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	97		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	100		30-150	B
Decachlorobiphenyl	96		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2108841
Report Date: 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-03
Client ID: MW-5
Sample Location: BRONX, NY

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 02/24/21 18:27
Analyst: JAW

Date Collected: 02/23/21 15:10
Date Received: 02/23/21
Field Prep: Not Specified

Extraction Method: EPA 3510C
Extraction Date: 02/24/21 07:35
Cleanup Method: EPA 3665A
Cleanup Date: 02/24/21
Cleanup Method: EPA 3660B
Cleanup Date: 02/24/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	94		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	82		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2108841
Report Date: 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-04
Client ID: BW-1
Sample Location: BRONX, NY

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 02/24/21 18:35
Analyst: JAW

Date Collected: 02/23/21 17:00
Date Received: 02/23/21
Field Prep: Not Specified

Extraction Method: EPA 3510C
Extraction Date: 02/24/21 07:35
Cleanup Method: EPA 3665A
Cleanup Date: 02/24/21
Cleanup Method: EPA 3660B
Cleanup Date: 02/24/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	104		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	105		30-150	B
Decachlorobiphenyl	86		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2108841
Report Date: 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-05
Client ID: BW-1_DUP
Sample Location: BRONX, NY

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 02/24/21 18:43
Analyst: JAW

Date Collected: 02/23/21 17:10
Date Received: 02/23/21
Field Prep: Not Specified

Extraction Method: EPA 3510C
Extraction Date: 02/24/21 07:35
Cleanup Method: EPA 3665A
Cleanup Date: 02/24/21
Cleanup Method: EPA 3660B
Cleanup Date: 02/24/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	102		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	107		30-150	B
Decachlorobiphenyl	80		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2108841
Report Date: 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-06
Client ID: FIELD BLANK
Sample Location: BRONX, NY

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 02/24/21 18:51
Analyst: JAW

Date Collected: 02/23/21 13:45
Date Received: 02/23/21
Field Prep: Not Specified

Extraction Method: EPA 3510C
Extraction Date: 02/24/21 07:35
Cleanup Method: EPA 3665A
Cleanup Date: 02/24/21
Cleanup Method: EPA 3660B
Cleanup Date: 02/24/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	81		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841
Report Date: 03/04/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 02/24/21 17:30
Analyst: JAW

Extraction Method: EPA 3510C
Extraction Date: 02/24/21 07:35
Cleanup Method: EPA 3665A
Cleanup Date: 02/24/21
Cleanup Method: EPA 3660B
Cleanup Date: 02/24/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-06 Batch: WG1467637-1						
Aroclor 1016	ND		ug/l	0.071	0.061	A
Aroclor 1221	ND		ug/l	0.071	0.061	A
Aroclor 1232	ND		ug/l	0.071	0.061	A
Aroclor 1242	ND		ug/l	0.071	0.061	A
Aroclor 1248	ND		ug/l	0.071	0.061	A
Aroclor 1254	ND		ug/l	0.071	0.061	A
Aroclor 1260	ND		ug/l	0.071	0.061	A
Aroclor 1262	ND		ug/l	0.071	0.061	A
Aroclor 1268	ND		ug/l	0.071	0.061	A
PCBs, Total	ND		ug/l	0.071	0.061	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	70		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841
Report Date: 03/04/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-06 Batch: WG1467637-2 WG1467637-3									
Aroclor 1016	92		85		40-140	8		50	A
Aroclor 1260	78		72		40-140	8		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		87		30-150	A
Decachlorobiphenyl	77		68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	97		87		30-150	B
Decachlorobiphenyl	90		82		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841

Report Date: 03/04/21

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): 01-06 QC Batch ID: WG1467637-4 WG1467637-5 QC Sample: L2108841-02 Client ID: MW-2													
Aroclor 1016	ND	1.78	1.74	97		1.69	95		40-140	3		50	A
Aroclor 1260	ND	1.78	1.39	78		1.43	80		40-140	3		50	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		94		30-150	A
Decachlorobiphenyl	78		78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	95		94		30-150	B
Decachlorobiphenyl	93		92		30-150	B

PESTICIDES

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2108841
Report Date: 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-01
Client ID: MW-1
Sample Location: BRONX, NY

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 02/24/21 23:19
Analyst: JJW

Date Collected: 02/23/21 12:00
Date Received: 02/23/21
Field Prep: Not Specified

Extraction Method: EPA 3510C
Extraction Date: 02/24/21 10:39

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: 2921 WESTCHESTER AVENUE **Lab Number:** L2108841

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-01 Date Collected: 02/23/21 12:00

Client ID: MW-1 Date Received: 02/23/21

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	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2108841
Report Date: 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-01
Client ID: MW-1
Sample Location: BRONX, NY

Sample Depth:
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 02/26/21 17:53
Analyst: AR

Date Collected: 02/23/21 12:00
Date Received: 02/23/21
Field Prep: Not Specified

Extraction Method: EPA 8151A
Extraction Date: 02/24/21 16:52

Methylation Date: 02/25/21 06:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	65		30-150	A
DCAA	57		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2108841
Report Date: 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-02
Client ID: MW-2
Sample Location: BRONX, NY

Date Collected: 02/23/21 13:30
Date Received: 02/23/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 02/24/21 22:46
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 02/24/21 10:39

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: 2921 WESTCHESTER AVENUE **Lab Number:** L2108841

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/04/21

SAMPLE RESULTS

Lab ID:	L2108841-02	Date Collected:	02/23/21 13:30
Client ID:	MW-2	Date Received:	02/23/21
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	57		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2108841
Report Date: 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-02
Client ID: MW-2
Sample Location: BRONX, NY

Date Collected: 02/23/21 13:30
Date Received: 02/23/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 02/26/21 16:59
Analyst: AR

Extraction Method: EPA 8151A
Extraction Date: 02/24/21 16:52

Methylation Date: 02/25/21 06:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	60		30-150	A
DCAA	60		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2108841
Report Date: 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-03
Client ID: MW-5
Sample Location: BRONX, NY

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 02/24/21 23:30
Analyst: JJW

Date Collected: 02/23/21 15:10
Date Received: 02/23/21
Field Prep: Not Specified

Extraction Method: EPA 3510C
Extraction Date: 02/24/21 10:39

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: 2921 WESTCHESTER AVENUE **Lab Number:** L2108841

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/04/21

SAMPLE RESULTS

Lab ID:	L2108841-03	Date Collected:	02/23/21 15:10
Client ID:	MW-5	Date Received:	02/23/21
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	43		30-150	A
Decachlorobiphenyl	36		30-150	A
2,4,5,6-Tetrachloro-m-xylene	43		30-150	B
Decachlorobiphenyl	42		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2108841
Report Date: 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-03
Client ID: MW-5
Sample Location: BRONX, NY

Date Collected: 02/23/21 15:10
Date Received: 02/23/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 02/26/21 18:11
Analyst: AR

Extraction Method: EPA 8151A
Extraction Date: 02/24/21 16:52

Methylation Date: 02/25/21 06:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	69		30-150	A
DCAA	60		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2108841
Report Date: 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-04
Client ID: BW-1
Sample Location: BRONX, NY

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 02/24/21 23:41
Analyst: JJW

Date Collected: 02/23/21 17:00
Date Received: 02/23/21
Field Prep: Not Specified

Extraction Method: EPA 3510C
Extraction Date: 02/24/21 10:39

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: 2921 WESTCHESTER AVENUE **Lab Number:** L2108841

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-04 Date Collected: 02/23/21 17:00

Client ID: BW-1 Date Received: 02/23/21

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	A
Decachlorobiphenyl	48		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	57		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2108841
Report Date: 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-04
Client ID: BW-1
Sample Location: BRONX, NY

Date Collected: 02/23/21 17:00
Date Received: 02/23/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 02/26/21 18:29
Analyst: AR

Extraction Method: EPA 8151A
Extraction Date: 02/24/21 16:52

Methylation Date: 02/25/21 06:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	70		30-150	A
DCAA	64		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2108841
Report Date: 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-05
Client ID: BW-1_DUP
Sample Location: BRONX, NY

Date Collected: 02/23/21 17:10
Date Received: 02/23/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 02/24/21 23:52
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 02/24/21 10:39

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: 2921 WESTCHESTER AVENUE **Lab Number:** L2108841

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-05 Date Collected: 02/23/21 17:10

Client ID: BW-1_DUP Date Received: 02/23/21

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	59		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	69		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2108841
Report Date: 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-05
Client ID: BW-1_DUP
Sample Location: BRONX, NY

Date Collected: 02/23/21 17:10
Date Received: 02/23/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 02/26/21 18:47
Analyst: AR

Extraction Method: EPA 8151A
Extraction Date: 02/24/21 16:52

Methylation Date: 02/25/21 06:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	69		30-150	A
DCAA	62		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2108841
Report Date: 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-06
Client ID: FIELD BLANK
Sample Location: BRONX, NY

Date Collected: 02/23/21 13:45
Date Received: 02/23/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 02/25/21 00:03
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 02/24/21 10:39

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: 2921 WESTCHESTER AVENUE **Lab Number:** L2108841

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-06 Date Collected: 02/23/21 13:45

Client ID: FIELD BLANK Date Received: 02/23/21

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	47		30-150	A
Decachlorobiphenyl	35		30-150	A
2,4,5,6-Tetrachloro-m-xylene	48		30-150	B
Decachlorobiphenyl	44		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2108841
Report Date: 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-06
Client ID: FIELD BLANK
Sample Location: BRONX, NY

Date Collected: 02/23/21 13:45
Date Received: 02/23/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 02/26/21 19:06
Analyst: AR

Extraction Method: EPA 8151A
Extraction Date: 02/24/21 16:52

Methylation Date: 02/25/21 06:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	72		30-150	A
DCAA	61		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841
Report Date: 03/04/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 02/24/21 13:44
Analyst: AR

Extraction Method: EPA 8151A
Extraction Date: 02/24/21 03:43

Methylation Date: 02/24/21 11:00

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-06 Batch: WG1467575-1						
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	64		30-150	A
DCAA	56		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841
Report Date: 03/04/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 02/24/21 22:13
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 02/24/21 10:39

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-06 Batch: WG1467734-1						
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: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841
Report Date: 03/04/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 02/24/21 22:13
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 02/24/21 10:39

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-06 Batch: WG1467734-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	70		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841

Report Date: 03/04/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-06 Batch: WG1467575-2 WG1467575-3									
2,4-D	89		90		30-150	1		25	A
2,4,5-T	82		85		30-150	4		25	A
2,4,5-TP (Silvex)	84		87		30-150	4		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	59		62		30-150	A
DCAA	67		72		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841
Report Date: 03/04/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-06 Batch: WG1467734-2 WG1467734-3									
Delta-BHC	53		60		30-150	11		20	A
Lindane	59		66		30-150	10		20	A
Alpha-BHC	63		70		30-150	10		20	A
Beta-BHC	68		75		30-150	9		20	A
Heptachlor	56		62		30-150	11		20	A
Aldrin	55		62		30-150	11		20	A
Heptachlor epoxide	55		62		30-150	12		20	A
Endrin	57		64		30-150	11		20	A
Endrin aldehyde	51		57		30-150	10		20	A
Endrin ketone	61		70		30-150	14		20	A
Dieldrin	57		66		30-150	15		20	A
4,4'-DDE	52		61		30-150	17		20	A
4,4'-DDD	59		67		30-150	13		20	A
4,4'-DDT	55		63		30-150	13		20	A
Endosulfan I	54		63		30-150	16		20	A
Endosulfan II	64		72		30-150	12		20	A
Endosulfan sulfate	59		68		30-150	13		20	A
Methoxychlor	63		71		30-150	12		20	A
cis-Chlordane	59		68		30-150	13		20	A
trans-Chlordane	59		68		30-150	15		20	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841
Report Date: 03/04/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-06 Batch: WG1467734-2 WG1467734-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		59		30-150	A
Decachlorobiphenyl	54		64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		62		30-150	B
Decachlorobiphenyl	66		77		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841

Report Date: 03/04/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1467575-4 WG1467575-5 QC Sample: L2108841-02 Client ID: MW-2													
2,4-D	ND	5	3.91J	78		4.49J	90		30-150	14		25	A
2,4,5-T	ND	5	3.40	68		3.99	80		30-150	16		25	A
2,4,5-TP (Silvex)	ND	5	3.49	70		4.13	83		30-150	17		25	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
DCAA	57		65		30-150	A
DCAA	61		100		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841

Report Date: 03/04/21

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): 01-06 QC Batch ID: WG1467734-4 WG1467734-5 QC Sample: L2108841-02 Client ID: MW-2													
Delta-BHC	ND	0.357	0.195	55		0.215	60		30-150	10		30	A
Lindane	ND	0.357	0.213	60		0.235	66		30-150	10		30	A
Alpha-BHC	ND	0.357	0.227	64		0.251	70		30-150	10		30	A
Beta-BHC	ND	0.357	0.240	67		0.255	71		30-150	6		30	A
Heptachlor	ND	0.357	0.207	58		0.232	65		30-150	11		30	A
Aldrin	ND	0.357	0.206	58		0.225	63		30-150	9		30	A
Heptachlor epoxide	ND	0.357	0.198	55		0.220	62		30-150	11		30	A
Endrin	ND	0.357	0.207	58		0.234	66		30-150	12		30	A
Endrin aldehyde	ND	0.357	0.190	53		0.199	56		30-150	5		30	A
Endrin ketone	ND	0.357	0.223	62		0.257	72		30-150	14		30	A
Dieldrin	ND	0.357	0.209	58		0.233	65		30-150	11		30	A
4,4'-DDE	ND	0.357	0.192	54		0.210	59		30-150	9		30	A
4,4'-DDD	ND	0.357	0.221	62		0.249	70		30-150	12		30	A
4,4'-DDT	ND	0.357	0.202	57		0.216	60		30-150	7		30	A
Endosulfan I	ND	0.357	0.214	60		0.235	66		30-150	9		30	A
Endosulfan II	ND	0.357	0.236	66		0.258	72		30-150	9		30	A
Endosulfan sulfate	ND	0.357	0.214	60		0.231	65		30-150	8		30	A
Methoxychlor	ND	0.357	0.226	63		0.261	73		30-150	14		30	A
cis-Chlordane	ND	0.357	0.221	62		0.243	68		30-150	9		30	A
trans-Chlordane	ND	0.357	0.219	61		0.242	68		30-150	10		30	A

Matrix Spike Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841

Report Date: 03/04/21

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): 01-06 QC Batch ID: WG1467734-4 WG1467734-5 QC Sample: L2108841-02 Client ID: MW-2												

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		60		30-150	A
Decachlorobiphenyl	55		63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		65		30-150	B
Decachlorobiphenyl	70		78		30-150	B

METALS

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2108841

Project Number: 2921 WESTCHESTER AVE **Report Date:** 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-01 Date Collected: 02/23/21 12:00

Client ID: MW-1 Date Received: 02/23/21

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	0.0820		mg/l	0.0100	0.00327	1	02/24/21 12:12	02/24/21 18:35	EPA 3005A	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	02/24/21 12:12	02/24/21 18:35	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00071		mg/l	0.00050	0.00016	1	02/24/21 12:12	02/24/21 18:35	EPA 3005A	1,6020B	AM
Barium, Total	0.3265		mg/l	0.00050	0.00017	1	02/24/21 12:12	02/24/21 18:35	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	02/24/21 12:12	02/24/21 18:35	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	02/24/21 12:12	02/24/21 18:35	EPA 3005A	1,6020B	AM
Calcium, Total	99.2		mg/l	0.100	0.0394	1	02/24/21 12:12	02/24/21 18:35	EPA 3005A	1,6020B	AM
Chromium, Total	0.00168		mg/l	0.00100	0.00017	1	02/24/21 12:12	02/24/21 18:35	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00067		mg/l	0.00050	0.00016	1	02/24/21 12:12	02/24/21 18:35	EPA 3005A	1,6020B	AM
Copper, Total	0.00140		mg/l	0.00100	0.00038	1	02/24/21 12:12	02/24/21 18:35	EPA 3005A	1,6020B	AM
Iron, Total	0.198		mg/l	0.0500	0.0191	1	02/24/21 12:12	02/24/21 18:35	EPA 3005A	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	02/24/21 12:12	02/24/21 18:35	EPA 3005A	1,6020B	AM
Magnesium, Total	106.		mg/l	0.0700	0.0242	1	02/24/21 12:12	02/24/21 18:35	EPA 3005A	1,6020B	AM
Manganese, Total	0.1829		mg/l	0.00100	0.00044	1	02/24/21 12:12	02/24/21 18:35	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	02/24/21 13:41	02/24/21 21:21	EPA 7470A	1,7470A	NB
Nickel, Total	0.00391		mg/l	0.00200	0.00055	1	02/24/21 12:12	02/24/21 18:35	EPA 3005A	1,6020B	AM
Potassium, Total	6.64		mg/l	0.100	0.0309	1	02/24/21 12:12	02/24/21 18:35	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	02/24/21 12:12	02/24/21 18:35	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	02/24/21 12:12	02/24/21 18:35	EPA 3005A	1,6020B	AM
Sodium, Total	211.		mg/l	0.100	0.0293	1	02/24/21 12:12	02/24/21 18:35	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	02/24/21 12:12	02/24/21 18:35	EPA 3005A	1,6020B	AM
Vanadium, Total	0.00225	J	mg/l	0.00500	0.00157	1	02/24/21 12:12	02/24/21 18:35	EPA 3005A	1,6020B	AM
Zinc, Total	0.00888	J	mg/l	0.01000	0.00341	1	02/24/21 12:12	02/24/21 18:35	EPA 3005A	1,6020B	AM
General Chemistry - Mansfield Lab											
Chromium, Trivalent	ND		mg/l	0.010	0.010	1		02/24/21 18:35	NA	107,-	

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE
Lab Number: L2108841
Report Date: 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-01
Client ID: MW-1
Sample Location: BRONX, NY
Sample Depth:
Matrix: Water

Date Collected: 02/23/21 12:00
Date Received: 02/23/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.0500	0.0164	5	02/25/21 08:57	02/25/21 15:13	EPA 3005A	1,6020B	AM
Antimony, Dissolved	0.00474	J	mg/l	0.02000	0.00214	5	02/25/21 08:57	02/25/21 15:13	EPA 3005A	1,6020B	AM
Arsenic, Dissolved	0.00112	J	mg/l	0.00250	0.00082	5	02/25/21 08:57	02/25/21 15:13	EPA 3005A	1,6020B	AM
Barium, Dissolved	0.3261		mg/l	0.00250	0.00086	5	02/25/21 08:57	02/25/21 15:13	EPA 3005A	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00250	0.00053	5	02/25/21 08:57	02/25/21 15:13	EPA 3005A	1,6020B	AM
Cadmium, Dissolved	ND		mg/l	0.00100	0.00029	5	02/25/21 08:57	02/25/21 15:13	EPA 3005A	1,6020B	AM
Calcium, Dissolved	116.		mg/l	0.500	0.197	5	02/25/21 08:57	02/25/21 15:13	EPA 3005A	1,6020B	AM
Chromium, Dissolved	0.00095	J	mg/l	0.00500	0.00089	5	02/25/21 08:57	02/25/21 15:13	EPA 3005A	1,6020B	AM
Cobalt, Dissolved	ND		mg/l	0.00250	0.00081	5	02/25/21 08:57	02/25/21 15:13	EPA 3005A	1,6020B	AM
Copper, Dissolved	ND		mg/l	0.00500	0.00192	5	02/25/21 08:57	02/25/21 15:13	EPA 3005A	1,6020B	AM
Iron, Dissolved	ND		mg/l	0.250	0.0955	5	02/25/21 08:57	02/25/21 15:13	EPA 3005A	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00500	0.00171	5	02/25/21 08:57	02/25/21 15:13	EPA 3005A	1,6020B	AM
Magnesium, Dissolved	152.		mg/l	0.350	0.121	5	02/25/21 08:57	02/25/21 15:13	EPA 3005A	1,6020B	AM
Manganese, Dissolved	0.02164		mg/l	0.00500	0.00220	5	02/25/21 08:57	02/25/21 15:13	EPA 3005A	1,6020B	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	02/25/21 09:01	02/25/21 17:26	EPA 7470A	1,7470A	EW
Nickel, Dissolved	0.00316	J	mg/l	0.01000	0.00278	5	02/25/21 08:57	02/25/21 15:13	EPA 3005A	1,6020B	AM
Potassium, Dissolved	7.26		mg/l	0.500	0.154	5	02/25/21 08:57	02/25/21 15:13	EPA 3005A	1,6020B	AM
Selenium, Dissolved	ND		mg/l	0.0250	0.00865	5	02/25/21 08:57	02/25/21 15:13	EPA 3005A	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00200	0.00081	5	02/25/21 08:57	02/25/21 15:13	EPA 3005A	1,6020B	AM
Sodium, Dissolved	240.		mg/l	0.500	0.146	5	02/25/21 08:57	02/25/21 15:13	EPA 3005A	1,6020B	AM
Thallium, Dissolved	ND		mg/l	0.00500	0.00071	5	02/25/21 08:57	02/25/21 15:13	EPA 3005A	1,6020B	AM
Vanadium, Dissolved	ND		mg/l	0.02500	0.00785	5	02/25/21 08:57	02/25/21 15:13	EPA 3005A	1,6020B	AM
Zinc, Dissolved	ND		mg/l	0.05000	0.01705	5	02/25/21 08:57	02/25/21 15:13	EPA 3005A	1,6020B	AM

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE
Lab Number: L2108841
Report Date: 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-02
Client ID: MW-2
Sample Location: BRONX, NY
Sample Depth:
Matrix: Water

Date Collected: 02/23/21 13:30
Date Received: 02/23/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.143		mg/l	0.100	0.0327	10	02/24/21 12:12	02/24/21 17:42	EPA 3005A	1,6020B	AM
Antimony, Total	ND		mg/l	0.04000	0.00429	10	02/24/21 12:12	02/24/21 17:42	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00580		mg/l	0.00500	0.00165	10	02/24/21 12:12	02/24/21 17:42	EPA 3005A	1,6020B	AM
Barium, Total	0.1424		mg/l	0.00500	0.00173	10	02/24/21 12:12	02/24/21 17:42	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00500	0.00107	10	02/24/21 12:12	02/24/21 17:42	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00200	0.00059	10	02/24/21 12:12	02/24/21 17:42	EPA 3005A	1,6020B	AM
Calcium, Total	78.6		mg/l	1.00	0.394	10	02/24/21 12:12	02/24/21 17:42	EPA 3005A	1,6020B	AM
Chromium, Total	0.00611	J	mg/l	0.01000	0.00178	10	02/24/21 12:12	02/24/21 17:42	EPA 3005A	1,6020B	AM
Cobalt, Total	ND		mg/l	0.00500	0.00163	10	02/24/21 12:12	02/24/21 17:42	EPA 3005A	1,6020B	AM
Copper, Total	0.01440		mg/l	0.01000	0.00384	10	02/24/21 12:12	02/24/21 17:42	EPA 3005A	1,6020B	AM
Iron, Total	0.281	J	mg/l	0.500	0.191	10	02/24/21 12:12	02/24/21 17:42	EPA 3005A	1,6020B	AM
Lead, Total	ND		mg/l	0.01000	0.00343	10	02/24/21 12:12	02/24/21 17:42	EPA 3005A	1,6020B	AM
Magnesium, Total	7.58		mg/l	0.700	0.242	10	02/24/21 12:12	02/24/21 17:42	EPA 3005A	1,6020B	AM
Manganese, Total	0.01009		mg/l	0.01000	0.00440	10	02/24/21 12:12	02/24/21 17:42	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	02/24/21 13:41	02/24/21 21:04	EPA 7470A	1,7470A	NB
Nickel, Total	ND		mg/l	0.02000	0.00556	10	02/24/21 12:12	02/24/21 17:42	EPA 3005A	1,6020B	AM
Potassium, Total	14.3		mg/l	1.00	0.309	10	02/24/21 12:12	02/24/21 17:42	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.0500	0.0173	10	02/24/21 12:12	02/24/21 17:42	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00400	0.00163	10	02/24/21 12:12	02/24/21 17:42	EPA 3005A	1,6020B	AM
Sodium, Total	1730		mg/l	1.00	0.293	10	02/24/21 12:12	02/24/21 17:42	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00500	0.00143	10	02/24/21 12:12	02/24/21 17:42	EPA 3005A	1,6020B	AM
Vanadium, Total	ND		mg/l	0.05000	0.01570	10	02/24/21 12:12	02/24/21 17:42	EPA 3005A	1,6020B	AM
Zinc, Total	ND		mg/l	0.1000	0.03410	10	02/24/21 12:12	02/24/21 17:42	EPA 3005A	1,6020B	AM
General Chemistry - Mansfield Lab											
Chromium, Trivalent	ND		mg/l	0.010	0.010	1		02/24/21 17:42	NA	107,-	

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE
Lab Number: L2108841
Report Date: 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-02
Client ID: MW-2
Sample Location: BRONX, NY
Sample Depth:
Matrix: Water

Date Collected: 02/23/21 13:30
Date Received: 02/23/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.0500	0.0164	5	02/25/21 08:57	02/25/21 15:08	EPA 3005A	1,6020B	AM
Antimony, Dissolved	0.01765	J	mg/l	0.02000	0.00214	5	02/25/21 08:57	02/25/21 15:08	EPA 3005A	1,6020B	AM
Arsenic, Dissolved	0.00619		mg/l	0.00250	0.00082	5	02/25/21 08:57	02/25/21 15:08	EPA 3005A	1,6020B	AM
Barium, Dissolved	0.1333		mg/l	0.00250	0.00086	5	02/25/21 08:57	02/25/21 15:08	EPA 3005A	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00250	0.00053	5	02/25/21 08:57	02/25/21 15:08	EPA 3005A	1,6020B	AM
Cadmium, Dissolved	ND		mg/l	0.00100	0.00029	5	02/25/21 08:57	02/25/21 15:08	EPA 3005A	1,6020B	AM
Calcium, Dissolved	78.0		mg/l	0.500	0.197	5	02/25/21 08:57	02/25/21 15:08	EPA 3005A	1,6020B	AM
Chromium, Dissolved	0.00508		mg/l	0.00500	0.00089	5	02/25/21 08:57	02/25/21 15:08	EPA 3005A	1,6020B	AM
Cobalt, Dissolved	ND		mg/l	0.00250	0.00081	5	02/25/21 08:57	02/25/21 15:08	EPA 3005A	1,6020B	AM
Copper, Dissolved	0.01442		mg/l	0.00500	0.00192	5	02/25/21 08:57	02/25/21 15:08	EPA 3005A	1,6020B	AM
Iron, Dissolved	ND		mg/l	0.250	0.0955	5	02/25/21 08:57	02/25/21 15:08	EPA 3005A	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00500	0.00171	5	02/25/21 08:57	02/25/21 15:08	EPA 3005A	1,6020B	AM
Magnesium, Dissolved	7.34		mg/l	0.350	0.121	5	02/25/21 08:57	02/25/21 15:08	EPA 3005A	1,6020B	AM
Manganese, Dissolved	0.00505		mg/l	0.00500	0.00220	5	02/25/21 08:57	02/25/21 15:08	EPA 3005A	1,6020B	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	02/25/21 09:01	02/25/21 17:10	EPA 7470A	1,7470A	EW
Nickel, Dissolved	0.00342	J	mg/l	0.01000	0.00278	5	02/25/21 08:57	02/25/21 15:08	EPA 3005A	1,6020B	AM
Potassium, Dissolved	14.2		mg/l	0.500	0.154	5	02/25/21 08:57	02/25/21 15:08	EPA 3005A	1,6020B	AM
Selenium, Dissolved	ND		mg/l	0.0250	0.00865	5	02/25/21 08:57	02/25/21 15:08	EPA 3005A	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00200	0.00081	5	02/25/21 08:57	02/25/21 15:08	EPA 3005A	1,6020B	AM
Sodium, Dissolved	1820		mg/l	0.500	0.146	5	02/25/21 08:57	02/25/21 15:08	EPA 3005A	1,6020B	AM
Thallium, Dissolved	0.00092	J	mg/l	0.00500	0.00071	5	02/25/21 08:57	02/25/21 15:08	EPA 3005A	1,6020B	AM
Vanadium, Dissolved	ND		mg/l	0.02500	0.00785	5	02/25/21 08:57	02/25/21 15:08	EPA 3005A	1,6020B	AM
Zinc, Dissolved	ND		mg/l	0.05000	0.01705	5	02/25/21 08:57	02/25/21 15:08	EPA 3005A	1,6020B	AM

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE
Lab Number: L2108841
Report Date: 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-03
Client ID: MW-5
Sample Location: BRONX, NY
Sample Depth:
Matrix: Water

Date Collected: 02/23/21 15:10
Date Received: 02/23/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	2.29		mg/l	0.0100	0.00327	1	02/24/21 12:12	02/24/21 18:40	EPA 3005A	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	02/24/21 12:12	02/24/21 18:40	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00168		mg/l	0.00050	0.00016	1	02/24/21 12:12	02/24/21 18:40	EPA 3005A	1,6020B	AM
Barium, Total	0.2203		mg/l	0.00050	0.00017	1	02/24/21 12:12	02/24/21 18:40	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	02/24/21 12:12	02/24/21 18:40	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	02/24/21 12:12	02/24/21 18:40	EPA 3005A	1,6020B	AM
Calcium, Total	143.		mg/l	0.100	0.0394	1	02/24/21 12:12	02/24/21 18:40	EPA 3005A	1,6020B	AM
Chromium, Total	0.01074		mg/l	0.00100	0.00017	1	02/24/21 12:12	02/24/21 18:40	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00281		mg/l	0.00050	0.00016	1	02/24/21 12:12	02/24/21 18:40	EPA 3005A	1,6020B	AM
Copper, Total	0.00849		mg/l	0.00100	0.00038	1	02/24/21 12:12	02/24/21 18:40	EPA 3005A	1,6020B	AM
Iron, Total	3.60		mg/l	0.0500	0.0191	1	02/24/21 12:12	02/24/21 18:40	EPA 3005A	1,6020B	AM
Lead, Total	0.00235		mg/l	0.00100	0.00034	1	02/24/21 12:12	02/24/21 18:40	EPA 3005A	1,6020B	AM
Magnesium, Total	49.8		mg/l	0.0700	0.0242	1	02/24/21 12:12	02/24/21 18:40	EPA 3005A	1,6020B	AM
Manganese, Total	0.9490		mg/l	0.00100	0.00044	1	02/24/21 12:12	02/24/21 18:40	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	02/24/21 13:41	02/24/21 21:24	EPA 7470A	1,7470A	NB
Nickel, Total	0.01992		mg/l	0.00200	0.00055	1	02/24/21 12:12	02/24/21 18:40	EPA 3005A	1,6020B	AM
Potassium, Total	23.5		mg/l	0.100	0.0309	1	02/24/21 12:12	02/24/21 18:40	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	02/24/21 12:12	02/24/21 18:40	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	02/24/21 12:12	02/24/21 18:40	EPA 3005A	1,6020B	AM
Sodium, Total	169.		mg/l	0.100	0.0293	1	02/24/21 12:12	02/24/21 18:40	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	02/24/21 12:12	02/24/21 18:40	EPA 3005A	1,6020B	AM
Vanadium, Total	0.00877		mg/l	0.00500	0.00157	1	02/24/21 12:12	02/24/21 18:40	EPA 3005A	1,6020B	AM
Zinc, Total	0.01734		mg/l	0.01000	0.00341	1	02/24/21 12:12	02/24/21 18:40	EPA 3005A	1,6020B	AM
General Chemistry - Mansfield Lab											
Chromium, Trivalent	ND		mg/l	0.010	0.010	1		02/24/21 18:40	NA	107,-	

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE
Lab Number: L2108841
Report Date: 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-03
Client ID: MW-5
Sample Location: BRONX, NY
Sample Depth:
Matrix: Water

Date Collected: 02/23/21 15:10
Date Received: 02/23/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.0500	0.0164	5	02/25/21 08:57	02/25/21 15:18	EPA 3005A	1,6020B	AM
Antimony, Dissolved	0.00315	J	mg/l	0.02000	0.00214	5	02/25/21 08:57	02/25/21 15:18	EPA 3005A	1,6020B	AM
Arsenic, Dissolved	0.00144	J	mg/l	0.00250	0.00082	5	02/25/21 08:57	02/25/21 15:18	EPA 3005A	1,6020B	AM
Barium, Dissolved	0.2030		mg/l	0.00250	0.00086	5	02/25/21 08:57	02/25/21 15:18	EPA 3005A	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00250	0.00053	5	02/25/21 08:57	02/25/21 15:18	EPA 3005A	1,6020B	AM
Cadmium, Dissolved	ND		mg/l	0.00100	0.00029	5	02/25/21 08:57	02/25/21 15:18	EPA 3005A	1,6020B	AM
Calcium, Dissolved	166.		mg/l	0.500	0.197	5	02/25/21 08:57	02/25/21 15:18	EPA 3005A	1,6020B	AM
Chromium, Dissolved	ND		mg/l	0.00500	0.00089	5	02/25/21 08:57	02/25/21 15:18	EPA 3005A	1,6020B	AM
Cobalt, Dissolved	ND		mg/l	0.00250	0.00081	5	02/25/21 08:57	02/25/21 15:18	EPA 3005A	1,6020B	AM
Copper, Dissolved	ND		mg/l	0.00500	0.00192	5	02/25/21 08:57	02/25/21 15:18	EPA 3005A	1,6020B	AM
Iron, Dissolved	ND		mg/l	0.250	0.0955	5	02/25/21 08:57	02/25/21 15:18	EPA 3005A	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00500	0.00171	5	02/25/21 08:57	02/25/21 15:18	EPA 3005A	1,6020B	AM
Magnesium, Dissolved	52.2		mg/l	0.350	0.121	5	02/25/21 08:57	02/25/21 15:18	EPA 3005A	1,6020B	AM
Manganese, Dissolved	0.9404		mg/l	0.00500	0.00220	5	02/25/21 08:57	02/25/21 15:18	EPA 3005A	1,6020B	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	02/25/21 09:01	02/25/21 17:30	EPA 7470A	1,7470A	EW
Nickel, Dissolved	0.00414	J	mg/l	0.01000	0.00278	5	02/25/21 08:57	02/25/21 15:18	EPA 3005A	1,6020B	AM
Potassium, Dissolved	25.8		mg/l	0.500	0.154	5	02/25/21 08:57	02/25/21 15:18	EPA 3005A	1,6020B	AM
Selenium, Dissolved	ND		mg/l	0.0250	0.00865	5	02/25/21 08:57	02/25/21 15:18	EPA 3005A	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00200	0.00081	5	02/25/21 08:57	02/25/21 15:18	EPA 3005A	1,6020B	AM
Sodium, Dissolved	187.		mg/l	0.500	0.146	5	02/25/21 08:57	02/25/21 15:18	EPA 3005A	1,6020B	AM
Thallium, Dissolved	ND		mg/l	0.00500	0.00071	5	02/25/21 08:57	02/25/21 15:18	EPA 3005A	1,6020B	AM
Vanadium, Dissolved	ND		mg/l	0.02500	0.00785	5	02/25/21 08:57	02/25/21 15:18	EPA 3005A	1,6020B	AM
Zinc, Dissolved	ND		mg/l	0.05000	0.01705	5	02/25/21 08:57	02/25/21 15:18	EPA 3005A	1,6020B	AM

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2108841

Project Number: 2921 WESTCHESTER AVE **Report Date:** 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-04 Date Collected: 02/23/21 17:00

Client ID: BW-1 Date Received: 02/23/21

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	0.622		mg/l	0.0100	0.00327	1	02/24/21 12:12	02/24/21 18:45	EPA 3005A	1,6020B	AM
Antimony, Total	0.01691		mg/l	0.00400	0.00042	1	02/24/21 12:12	02/24/21 18:45	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00193		mg/l	0.00050	0.00016	1	02/24/21 12:12	02/24/21 18:45	EPA 3005A	1,6020B	AM
Barium, Total	0.05639		mg/l	0.00050	0.00017	1	02/24/21 12:12	02/24/21 18:45	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	02/24/21 12:12	02/24/21 18:45	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	02/24/21 12:12	02/24/21 18:45	EPA 3005A	1,6020B	AM
Calcium, Total	35.4		mg/l	0.100	0.0394	1	02/24/21 12:12	02/24/21 18:45	EPA 3005A	1,6020B	AM
Chromium, Total	0.00305		mg/l	0.00100	0.00017	1	02/24/21 12:12	02/24/21 18:45	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00072		mg/l	0.00050	0.00016	1	02/24/21 12:12	02/24/21 18:45	EPA 3005A	1,6020B	AM
Copper, Total	0.00394		mg/l	0.00100	0.00038	1	02/24/21 12:12	02/24/21 18:45	EPA 3005A	1,6020B	AM
Iron, Total	0.774		mg/l	0.0500	0.0191	1	02/24/21 12:12	02/24/21 18:45	EPA 3005A	1,6020B	AM
Lead, Total	0.00268		mg/l	0.00100	0.00034	1	02/24/21 12:12	02/24/21 18:45	EPA 3005A	1,6020B	AM
Magnesium, Total	19.9		mg/l	0.0700	0.0242	1	02/24/21 12:12	02/24/21 18:45	EPA 3005A	1,6020B	AM
Manganese, Total	0.06386		mg/l	0.00100	0.00044	1	02/24/21 12:12	02/24/21 18:45	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	02/24/21 13:41	02/24/21 21:27	EPA 7470A	1,7470A	NB
Nickel, Total	0.00758		mg/l	0.00200	0.00055	1	02/24/21 12:12	02/24/21 18:45	EPA 3005A	1,6020B	AM
Potassium, Total	4.21		mg/l	0.100	0.0309	1	02/24/21 12:12	02/24/21 18:45	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	02/24/21 12:12	02/24/21 18:45	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	02/24/21 12:12	02/24/21 18:45	EPA 3005A	1,6020B	AM
Sodium, Total	49.0		mg/l	0.100	0.0293	1	02/24/21 12:12	02/24/21 18:45	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	02/24/21 12:12	02/24/21 18:45	EPA 3005A	1,6020B	AM
Vanadium, Total	0.00322	J	mg/l	0.00500	0.00157	1	02/24/21 12:12	02/24/21 18:45	EPA 3005A	1,6020B	AM
Zinc, Total	0.00950	J	mg/l	0.01000	0.00341	1	02/24/21 12:12	02/24/21 18:45	EPA 3005A	1,6020B	AM
General Chemistry - Mansfield Lab											
Chromium, Trivalent	ND		mg/l	0.010	0.010	1		02/24/21 18:45	NA	107,-	

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE
Lab Number: L2108841
Report Date: 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-04
Client ID: BW-1
Sample Location: BRONX, NY
Sample Depth:
Matrix: Water

Date Collected: 02/23/21 17:00
Date Received: 02/23/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.0500	0.0164	5	02/25/21 08:57	02/25/21 15:23	EPA 3005A	1,6020B	AM
Antimony, Dissolved	0.01804	J	mg/l	0.02000	0.00214	5	02/25/21 08:57	02/25/21 15:23	EPA 3005A	1,6020B	AM
Arsenic, Dissolved	0.00205	J	mg/l	0.00250	0.00082	5	02/25/21 08:57	02/25/21 15:23	EPA 3005A	1,6020B	AM
Barium, Dissolved	0.05205		mg/l	0.00250	0.00086	5	02/25/21 08:57	02/25/21 15:23	EPA 3005A	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00250	0.00053	5	02/25/21 08:57	02/25/21 15:23	EPA 3005A	1,6020B	AM
Cadmium, Dissolved	ND		mg/l	0.00100	0.00029	5	02/25/21 08:57	02/25/21 15:23	EPA 3005A	1,6020B	AM
Calcium, Dissolved	41.4		mg/l	0.500	0.197	5	02/25/21 08:57	02/25/21 15:23	EPA 3005A	1,6020B	AM
Chromium, Dissolved	ND		mg/l	0.00500	0.00089	5	02/25/21 08:57	02/25/21 15:23	EPA 3005A	1,6020B	AM
Cobalt, Dissolved	ND		mg/l	0.00250	0.00081	5	02/25/21 08:57	02/25/21 15:23	EPA 3005A	1,6020B	AM
Copper, Dissolved	ND		mg/l	0.00500	0.00192	5	02/25/21 08:57	02/25/21 15:23	EPA 3005A	1,6020B	AM
Iron, Dissolved	ND		mg/l	0.250	0.0955	5	02/25/21 08:57	02/25/21 15:23	EPA 3005A	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00500	0.00171	5	02/25/21 08:57	02/25/21 15:23	EPA 3005A	1,6020B	AM
Magnesium, Dissolved	21.2		mg/l	0.350	0.121	5	02/25/21 08:57	02/25/21 15:23	EPA 3005A	1,6020B	AM
Manganese, Dissolved	0.06000		mg/l	0.00500	0.00220	5	02/25/21 08:57	02/25/21 15:23	EPA 3005A	1,6020B	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	02/25/21 09:01	02/25/21 17:33	EPA 7470A	1,7470A	EW
Nickel, Dissolved	0.00557	J	mg/l	0.01000	0.00278	5	02/25/21 08:57	02/25/21 15:23	EPA 3005A	1,6020B	AM
Potassium, Dissolved	4.48		mg/l	0.500	0.154	5	02/25/21 08:57	02/25/21 15:23	EPA 3005A	1,6020B	AM
Selenium, Dissolved	ND		mg/l	0.0250	0.00865	5	02/25/21 08:57	02/25/21 15:23	EPA 3005A	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00200	0.00081	5	02/25/21 08:57	02/25/21 15:23	EPA 3005A	1,6020B	AM
Sodium, Dissolved	68.4		mg/l	0.500	0.146	5	02/25/21 08:57	02/25/21 15:23	EPA 3005A	1,6020B	AM
Thallium, Dissolved	ND		mg/l	0.00500	0.00071	5	02/25/21 08:57	02/25/21 15:23	EPA 3005A	1,6020B	AM
Vanadium, Dissolved	ND		mg/l	0.02500	0.00785	5	02/25/21 08:57	02/25/21 15:23	EPA 3005A	1,6020B	AM
Zinc, Dissolved	ND		mg/l	0.05000	0.01705	5	02/25/21 08:57	02/25/21 15:23	EPA 3005A	1,6020B	AM

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE
Lab Number: L2108841
Report Date: 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-05
Client ID: BW-1_DUP
Sample Location: BRONX, NY
Date Collected: 02/23/21 17:10
Date Received: 02/23/21
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	0.836		mg/l	0.0100	0.00327	1	02/24/21 12:12	02/24/21 18:51	EPA 3005A	1,6020B	AM
Antimony, Total	0.01137		mg/l	0.00400	0.00042	1	02/24/21 12:12	02/24/21 18:51	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00192		mg/l	0.00050	0.00016	1	02/24/21 12:12	02/24/21 18:51	EPA 3005A	1,6020B	AM
Barium, Total	0.06503		mg/l	0.00050	0.00017	1	02/24/21 12:12	02/24/21 18:51	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	02/24/21 12:12	02/24/21 18:51	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	02/24/21 12:12	02/24/21 18:51	EPA 3005A	1,6020B	AM
Calcium, Total	49.7		mg/l	0.100	0.0394	1	02/24/21 12:12	02/24/21 18:51	EPA 3005A	1,6020B	AM
Chromium, Total	0.00464		mg/l	0.00100	0.00017	1	02/24/21 12:12	02/24/21 18:51	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00130		mg/l	0.00050	0.00016	1	02/24/21 12:12	02/24/21 18:51	EPA 3005A	1,6020B	AM
Copper, Total	0.00567		mg/l	0.00100	0.00038	1	02/24/21 12:12	02/24/21 18:51	EPA 3005A	1,6020B	AM
Iron, Total	1.19		mg/l	0.0500	0.0191	1	02/24/21 12:12	02/24/21 18:51	EPA 3005A	1,6020B	AM
Lead, Total	0.00453		mg/l	0.00100	0.00034	1	02/24/21 12:12	02/24/21 18:51	EPA 3005A	1,6020B	AM
Magnesium, Total	44.2		mg/l	0.0700	0.0242	1	02/24/21 12:12	02/24/21 18:51	EPA 3005A	1,6020B	AM
Manganese, Total	0.06176		mg/l	0.00100	0.00044	1	02/24/21 12:12	02/24/21 18:51	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	02/24/21 13:41	02/24/21 21:31	EPA 7470A	1,7470A	NB
Nickel, Total	0.01099		mg/l	0.00200	0.00055	1	02/24/21 12:12	02/24/21 18:51	EPA 3005A	1,6020B	AM
Potassium, Total	5.23		mg/l	0.100	0.0309	1	02/24/21 12:12	02/24/21 18:51	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	02/24/21 12:12	02/24/21 18:51	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	02/24/21 12:12	02/24/21 18:51	EPA 3005A	1,6020B	AM
Sodium, Total	77.6		mg/l	0.100	0.0293	1	02/24/21 12:12	02/24/21 18:51	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	02/24/21 12:12	02/24/21 18:51	EPA 3005A	1,6020B	AM
Vanadium, Total	0.00472	J	mg/l	0.00500	0.00157	1	02/24/21 12:12	02/24/21 18:51	EPA 3005A	1,6020B	AM
Zinc, Total	0.01579		mg/l	0.01000	0.00341	1	02/24/21 12:12	02/24/21 18:51	EPA 3005A	1,6020B	AM
General Chemistry - Mansfield Lab											
Chromium, Trivalent	ND		mg/l	0.010	0.010	1		02/24/21 18:51	NA	107,-	

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE
Lab Number: L2108841
Report Date: 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-05
Client ID: BW-1_DUP
Sample Location: BRONX, NY
Sample Depth:
Matrix: Water

Date Collected: 02/23/21 17:10
Date Received: 02/23/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.0500	0.0164	5	02/25/21 08:57	02/25/21 15:28	EPA 3005A	1,6020B	AM
Antimony, Dissolved	0.01162	J	mg/l	0.02000	0.00214	5	02/25/21 08:57	02/25/21 15:28	EPA 3005A	1,6020B	AM
Arsenic, Dissolved	0.00211	J	mg/l	0.00250	0.00082	5	02/25/21 08:57	02/25/21 15:28	EPA 3005A	1,6020B	AM
Barium, Dissolved	0.05618		mg/l	0.00250	0.00086	5	02/25/21 08:57	02/25/21 15:28	EPA 3005A	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00250	0.00053	5	02/25/21 08:57	02/25/21 15:28	EPA 3005A	1,6020B	AM
Cadmium, Dissolved	ND		mg/l	0.00100	0.00029	5	02/25/21 08:57	02/25/21 15:28	EPA 3005A	1,6020B	AM
Calcium, Dissolved	74.5		mg/l	0.500	0.197	5	02/25/21 08:57	02/25/21 15:28	EPA 3005A	1,6020B	AM
Chromium, Dissolved	ND		mg/l	0.00500	0.00089	5	02/25/21 08:57	02/25/21 15:28	EPA 3005A	1,6020B	AM
Cobalt, Dissolved	ND		mg/l	0.00250	0.00081	5	02/25/21 08:57	02/25/21 15:28	EPA 3005A	1,6020B	AM
Copper, Dissolved	ND		mg/l	0.00500	0.00192	5	02/25/21 08:57	02/25/21 15:28	EPA 3005A	1,6020B	AM
Iron, Dissolved	ND		mg/l	0.250	0.0955	5	02/25/21 08:57	02/25/21 15:28	EPA 3005A	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00500	0.00171	5	02/25/21 08:57	02/25/21 15:28	EPA 3005A	1,6020B	AM
Magnesium, Dissolved	52.5		mg/l	0.350	0.121	5	02/25/21 08:57	02/25/21 15:28	EPA 3005A	1,6020B	AM
Manganese, Dissolved	0.03987		mg/l	0.00500	0.00220	5	02/25/21 08:57	02/25/21 15:28	EPA 3005A	1,6020B	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	02/25/21 09:01	02/25/21 17:36	EPA 7470A	1,7470A	EW
Nickel, Dissolved	0.00435	J	mg/l	0.01000	0.00278	5	02/25/21 08:57	02/25/21 15:28	EPA 3005A	1,6020B	AM
Potassium, Dissolved	5.91		mg/l	0.500	0.154	5	02/25/21 08:57	02/25/21 15:28	EPA 3005A	1,6020B	AM
Selenium, Dissolved	ND		mg/l	0.0250	0.00865	5	02/25/21 08:57	02/25/21 15:28	EPA 3005A	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00200	0.00081	5	02/25/21 08:57	02/25/21 15:28	EPA 3005A	1,6020B	AM
Sodium, Dissolved	69.0		mg/l	0.500	0.146	5	02/25/21 08:57	02/25/21 15:28	EPA 3005A	1,6020B	AM
Thallium, Dissolved	ND		mg/l	0.00500	0.00071	5	02/25/21 08:57	02/25/21 15:28	EPA 3005A	1,6020B	AM
Vanadium, Dissolved	ND		mg/l	0.02500	0.00785	5	02/25/21 08:57	02/25/21 15:28	EPA 3005A	1,6020B	AM
Zinc, Dissolved	ND		mg/l	0.05000	0.01705	5	02/25/21 08:57	02/25/21 15:28	EPA 3005A	1,6020B	AM

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE
Lab Number: L2108841
Report Date: 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-06
Client ID: FIELD BLANK
Sample Location: BRONX, NY
Date Collected: 02/23/21 13:45
Date Received: 02/23/21
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	0.0100	0.00327	1	02/24/21 12:12	02/24/21 17:11	EPA 3005A	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	02/24/21 12:12	02/24/21 17:11	EPA 3005A	1,6020B	AM
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	02/24/21 12:12	02/24/21 17:11	EPA 3005A	1,6020B	AM
Barium, Total	ND		mg/l	0.00050	0.00017	1	02/24/21 12:12	02/24/21 17:11	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	02/24/21 12:12	02/24/21 17:11	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	02/24/21 12:12	02/24/21 17:11	EPA 3005A	1,6020B	AM
Calcium, Total	ND		mg/l	0.100	0.0394	1	02/24/21 12:12	02/24/21 17:11	EPA 3005A	1,6020B	AM
Chromium, Total	ND		mg/l	0.00100	0.00017	1	02/24/21 12:12	02/24/21 17:11	EPA 3005A	1,6020B	AM
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	02/24/21 12:12	02/24/21 17:11	EPA 3005A	1,6020B	AM
Copper, Total	ND		mg/l	0.00100	0.00038	1	02/24/21 12:12	02/24/21 17:11	EPA 3005A	1,6020B	AM
Iron, Total	ND		mg/l	0.0500	0.0191	1	02/24/21 12:12	02/24/21 17:11	EPA 3005A	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	02/24/21 12:12	02/24/21 17:11	EPA 3005A	1,6020B	AM
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	02/24/21 12:12	02/24/21 17:11	EPA 3005A	1,6020B	AM
Manganese, Total	ND		mg/l	0.00100	0.00044	1	02/24/21 12:12	02/24/21 17:11	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	02/24/21 13:41	02/24/21 21:34	EPA 7470A	1,7470A	NB
Nickel, Total	ND		mg/l	0.00200	0.00055	1	02/24/21 12:12	02/24/21 17:11	EPA 3005A	1,6020B	AM
Potassium, Total	ND		mg/l	0.100	0.0309	1	02/24/21 12:12	02/24/21 17:11	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	02/24/21 12:12	02/24/21 17:11	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	02/24/21 12:12	02/24/21 17:11	EPA 3005A	1,6020B	AM
Sodium, Total	ND		mg/l	0.100	0.0293	1	02/24/21 12:12	02/24/21 17:11	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	02/24/21 12:12	02/24/21 17:11	EPA 3005A	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	02/24/21 12:12	02/24/21 17:11	EPA 3005A	1,6020B	AM
Zinc, Total	0.00570	J	mg/l	0.01000	0.00341	1	02/24/21 12:12	02/24/21 17:11	EPA 3005A	1,6020B	AM
General Chemistry - Mansfield Lab											
Chromium, Trivalent	ND		mg/l	0.010	0.010	1		02/24/21 17:11	NA	107,-	

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE
Lab Number: L2108841
Report Date: 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-06
Client ID: FIELD BLANK
Sample Location: BRONX, NY
Sample Depth:
Matrix: Water

Date Collected: 02/23/21 13:45
Date Received: 02/23/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	02/25/21 08:57	02/25/21 14:58	EPA 3005A	1,6020B	AM
Antimony, Dissolved	ND		mg/l	0.00400	0.00042	1	02/25/21 08:57	02/25/21 14:58	EPA 3005A	1,6020B	AM
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	02/25/21 08:57	02/25/21 14:58	EPA 3005A	1,6020B	AM
Barium, Dissolved	0.00048	J	mg/l	0.00050	0.00017	1	02/25/21 08:57	02/25/21 14:58	EPA 3005A	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	02/25/21 08:57	02/25/21 14:58	EPA 3005A	1,6020B	AM
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	02/25/21 08:57	02/25/21 14:58	EPA 3005A	1,6020B	AM
Calcium, Dissolved	ND		mg/l	0.100	0.0394	1	02/25/21 08:57	02/25/21 14:58	EPA 3005A	1,6020B	AM
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	02/25/21 08:57	02/25/21 14:58	EPA 3005A	1,6020B	AM
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	02/25/21 08:57	02/25/21 14:58	EPA 3005A	1,6020B	AM
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	02/25/21 08:57	02/25/21 14:58	EPA 3005A	1,6020B	AM
Iron, Dissolved	ND		mg/l	0.0500	0.0191	1	02/25/21 08:57	02/25/21 14:58	EPA 3005A	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	02/25/21 08:57	02/25/21 14:58	EPA 3005A	1,6020B	AM
Magnesium, Dissolved	ND		mg/l	0.0700	0.0242	1	02/25/21 08:57	02/25/21 14:58	EPA 3005A	1,6020B	AM
Manganese, Dissolved	ND		mg/l	0.00100	0.00044	1	02/25/21 08:57	02/25/21 14:58	EPA 3005A	1,6020B	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	02/25/21 09:01	02/25/21 17:40	EPA 7470A	1,7470A	EW
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	02/25/21 08:57	02/25/21 14:58	EPA 3005A	1,6020B	AM
Potassium, Dissolved	ND		mg/l	0.100	0.0309	1	02/25/21 08:57	02/25/21 14:58	EPA 3005A	1,6020B	AM
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	02/25/21 08:57	02/25/21 14:58	EPA 3005A	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	02/25/21 08:57	02/25/21 14:58	EPA 3005A	1,6020B	AM
Sodium, Dissolved	0.0345	J	mg/l	0.100	0.0293	1	02/25/21 08:57	02/25/21 14:58	EPA 3005A	1,6020B	AM
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	02/25/21 08:57	02/25/21 14:58	EPA 3005A	1,6020B	AM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	02/25/21 08:57	02/25/21 14:58	EPA 3005A	1,6020B	AM
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	02/25/21 08:57	02/25/21 14:58	EPA 3005A	1,6020B	AM

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2108841

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/04/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-06 Batch: WG1467750-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	02/24/21 12:12	02/24/21 17:06	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	02/24/21 12:12	02/24/21 17:06	1,6020B	AM
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	02/24/21 12:12	02/24/21 17:06	1,6020B	AM
Barium, Total	ND		mg/l	0.00050	0.00017	1	02/24/21 12:12	02/24/21 17:06	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	02/24/21 12:12	02/24/21 17:06	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	02/24/21 12:12	02/24/21 17:06	1,6020B	AM
Calcium, Total	ND		mg/l	0.100	0.0394	1	02/24/21 12:12	02/24/21 17:06	1,6020B	AM
Chromium, Total	ND		mg/l	0.00100	0.00017	1	02/24/21 12:12	02/24/21 17:06	1,6020B	AM
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	02/24/21 12:12	02/24/21 17:06	1,6020B	AM
Copper, Total	ND		mg/l	0.00100	0.00038	1	02/24/21 12:12	02/24/21 17:06	1,6020B	AM
Iron, Total	ND		mg/l	0.0500	0.0191	1	02/24/21 12:12	02/24/21 17:06	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	02/24/21 12:12	02/24/21 17:06	1,6020B	AM
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	02/24/21 12:12	02/24/21 17:06	1,6020B	AM
Manganese, Total	ND		mg/l	0.00100	0.00044	1	02/24/21 12:12	02/24/21 17:06	1,6020B	AM
Nickel, Total	ND		mg/l	0.00200	0.00055	1	02/24/21 12:12	02/24/21 17:06	1,6020B	AM
Potassium, Total	ND		mg/l	0.100	0.0309	1	02/24/21 12:12	02/24/21 17:06	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	02/24/21 12:12	02/24/21 17:06	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	02/24/21 12:12	02/24/21 17:06	1,6020B	AM
Sodium, Total	ND		mg/l	0.100	0.0293	1	02/24/21 12:12	02/24/21 17:06	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	02/24/21 12:12	02/24/21 17:06	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	02/24/21 12:12	02/24/21 17:06	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	02/24/21 12:12	02/24/21 17:06	1,6020B	AM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-06 Batch: WG1467751-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	02/24/21 13:41	02/24/21 20:58	1,7470A	NB

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2108841

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/04/21

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 01-06 Batch: WG1467761-1										
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	02/25/21 08:57	02/25/21 12:38	1,6020B	AM
Antimony, Dissolved	ND		mg/l	0.00400	0.00042	1	02/25/21 08:57	02/25/21 12:38	1,6020B	AM
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	02/25/21 08:57	02/25/21 12:38	1,6020B	AM
Barium, Dissolved	ND		mg/l	0.00050	0.00017	1	02/25/21 08:57	02/25/21 12:38	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	02/25/21 08:57	02/25/21 12:38	1,6020B	AM
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	02/25/21 08:57	02/25/21 12:38	1,6020B	AM
Calcium, Dissolved	ND		mg/l	0.100	0.0394	1	02/25/21 08:57	02/25/21 12:38	1,6020B	AM
Chromium, Dissolved	0.00019	J	mg/l	0.00100	0.00017	1	02/25/21 08:57	02/25/21 12:38	1,6020B	AM
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	02/25/21 08:57	02/25/21 12:38	1,6020B	AM
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	02/25/21 08:57	02/25/21 12:38	1,6020B	AM
Iron, Dissolved	ND		mg/l	0.0500	0.0191	1	02/25/21 08:57	02/25/21 12:38	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	02/25/21 08:57	02/25/21 12:38	1,6020B	AM
Magnesium, Dissolved	ND		mg/l	0.0700	0.0242	1	02/25/21 08:57	02/25/21 12:38	1,6020B	AM
Manganese, Dissolved	ND		mg/l	0.00100	0.00044	1	02/25/21 08:57	02/25/21 12:38	1,6020B	AM
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	02/25/21 08:57	02/25/21 12:38	1,6020B	AM
Potassium, Dissolved	ND		mg/l	0.100	0.0309	1	02/25/21 08:57	02/25/21 12:38	1,6020B	AM
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	02/25/21 08:57	02/25/21 12:38	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	02/25/21 08:57	02/25/21 12:38	1,6020B	AM
Sodium, Dissolved	ND		mg/l	0.100	0.0293	1	02/25/21 08:57	02/25/21 12:38	1,6020B	AM
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	02/25/21 08:57	02/25/21 12:38	1,6020B	AM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	02/25/21 08:57	02/25/21 12:38	1,6020B	AM
Zinc, Dissolved	0.00665	J	mg/l	0.01000	0.00341	1	02/25/21 08:57	02/25/21 12:38	1,6020B	AM

Prep Information

Digestion Method: EPA 3005A

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2108841

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/04/21

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): 01-06 Batch: WG1467762-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	02/25/21 09:01	02/25/21 17:03	1,7470A	EW

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841
Report Date: 03/04/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1467750-2								
Aluminum, Total	99		-		80-120	-		
Antimony, Total	94		-		80-120	-		
Arsenic, Total	96		-		80-120	-		
Barium, Total	100		-		80-120	-		
Beryllium, Total	96		-		80-120	-		
Cadmium, Total	107		-		80-120	-		
Calcium, Total	94		-		80-120	-		
Chromium, Total	98		-		80-120	-		
Cobalt, Total	97		-		80-120	-		
Copper, Total	98		-		80-120	-		
Iron, Total	100		-		80-120	-		
Lead, Total	98		-		80-120	-		
Magnesium, Total	101		-		80-120	-		
Manganese, Total	96		-		80-120	-		
Nickel, Total	95		-		80-120	-		
Potassium, Total	97		-		80-120	-		
Selenium, Total	90		-		80-120	-		
Silver, Total	101		-		80-120	-		
Sodium, Total	102		-		80-120	-		
Thallium, Total	93		-		80-120	-		
Vanadium, Total	96		-		80-120	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841
Report Date: 03/04/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1467750-2					
Zinc, Total	104	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1467751-2					
Mercury, Total	96	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841
Report Date: 03/04/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1467761-2					
Aluminum, Dissolved	106	-	80-120	-	
Antimony, Dissolved	91	-	80-120	-	
Arsenic, Dissolved	100	-	80-120	-	
Barium, Dissolved	103	-	80-120	-	
Beryllium, Dissolved	102	-	80-120	-	
Cadmium, Dissolved	105	-	80-120	-	
Calcium, Dissolved	108	-	80-120	-	
Chromium, Dissolved	101	-	80-120	-	
Cobalt, Dissolved	99	-	80-120	-	
Copper, Dissolved	100	-	80-120	-	
Iron, Dissolved	94	-	80-120	-	
Lead, Dissolved	103	-	80-120	-	
Magnesium, Dissolved	104	-	80-120	-	
Manganese, Dissolved	101	-	80-120	-	
Nickel, Dissolved	95	-	80-120	-	
Potassium, Dissolved	103	-	80-120	-	
Selenium, Dissolved	100	-	80-120	-	
Silver, Dissolved	101	-	80-120	-	
Sodium, Dissolved	101	-	80-120	-	
Thallium, Dissolved	98	-	80-120	-	
Vanadium, Dissolved	102	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841
Report Date: 03/04/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1467761-2					
Zinc, Dissolved	106	-	80-120	-	
Dissolved Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1467762-2					
Mercury, Dissolved	100	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841
Report Date: 03/04/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1467750-3 WG1467750-4 QC Sample: L2108841-02 Client ID: MW-2												
Aluminum, Total	0.143	2	2.23	104		2.16	101		75-125	3		20
Antimony, Total	ND	0.5	0.5380	108		0.5169	103		75-125	4		20
Arsenic, Total	0.00580	0.12	0.1239	98		0.1220	97		75-125	2		20
Barium, Total	0.1424	2	2.187	102		2.160	101		75-125	1		20
Beryllium, Total	ND	0.05	0.04816	96		0.04575	92		75-125	5		20
Cadmium, Total	ND	0.051	0.05208	102		0.05166	101		75-125	1		20
Calcium, Total	78.6	10	91.0	124		89.2	106		75-125	2		20
Chromium, Total	0.00611J	0.2	0.2019	101		0.1974	99		75-125	2		20
Cobalt, Total	ND	0.5	0.4962	99		0.4923	98		75-125	1		20
Copper, Total	0.01440	0.25	0.2683	102		0.2541	96		75-125	5		20
Iron, Total	0.281J	1	1.22	122		1.18	118		75-125	3		20
Lead, Total	ND	0.51	0.5404	106		0.5197	102		75-125	4		20
Magnesium, Total	7.58	10	18.2	106		17.6	100		75-125	3		20
Manganese, Total	0.01009	0.5	0.4929	96		0.4763	93		75-125	3		20
Nickel, Total	ND	0.5	0.4680	94		0.4726	94		75-125	1		20
Potassium, Total	14.3	10	24.5	102		24.2	99		75-125	1		20
Selenium, Total	ND	0.12	0.111	92		0.105	88		75-125	6		20
Silver, Total	ND	0.05	0.04923	98		0.04832	97		75-125	2		20
Sodium, Total	1730	10	1810	**800**	Q	1740	100		75-125	4		20
Thallium, Total	ND	0.12	0.1201	100		0.1151	96		75-125	4		20
Vanadium, Total	ND	0.5	0.4912	98		0.4829	96		75-125	2		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841
Report Date: 03/04/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1467750-3 WG1467750-4 QC Sample: L2108841-02 Client ID: MW-2									
Zinc, Total	ND	0.5	0.4934	99	0.5002	100	75-125	1	20
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1467751-3 WG1467751-4 QC Sample: L2108841-02 Client ID: MW-2									
Mercury, Total	ND	0.005	0.00493	99	0.00499	100	75-125	1	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841
Report Date: 03/04/21

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): 01-06 QC Batch ID: WG1467761-3 WG1467761-4 QC Sample: L2108841-02 Client ID: MW-2												
Aluminum, Dissolved	ND	2	2.10	105		2.33	116		75-125	10		20
Antimony, Dissolved	0.01765J	0.5	0.5170	103		0.5570	111		75-125	7		20
Arsenic, Dissolved	0.00619	0.12	0.1283	102		0.1341	106		75-125	4		20
Barium, Dissolved	0.1333	2	2.214	104		2.402	113		75-125	8		20
Beryllium, Dissolved	ND	0.05	0.04332	87		0.05674	113		75-125	**27**	Q	20
Cadmium, Dissolved	ND	0.051	0.05216	102		0.05555	109		75-125	6		20
Calcium, Dissolved	78.0	10	90.7	**127**	Q	98.7	**207**	Q	75-125	8		20
Chromium, Dissolved	0.00508	0.2	0.2060	100		0.2220	108		75-125	7		20
Cobalt, Dissolved	ND	0.5	0.4975	100		0.5384	108		75-125	8		20
Copper, Dissolved	0.01442	0.25	0.2563	97		0.2824	107		75-125	10		20
Iron, Dissolved	ND	1	1.07	107		1.10	110		75-125	3		20
Lead, Dissolved	ND	0.51	0.5509	108		0.5962	117		75-125	8		20
Magnesium, Dissolved	7.34	10	17.5	102		19.3	120		75-125	10		20
Manganese, Dissolved	0.00505	0.5	0.4825	95		0.5163	102		75-125	7		20
Nickel, Dissolved	0.00342J	0.5	0.4673	93		0.4996	100		75-125	7		20
Potassium, Dissolved	14.2	10	24.4	102		27.0	**128**	Q	75-125	10		20
Selenium, Dissolved	ND	0.12	0.112	93		0.120	100		75-125	7		20
Silver, Dissolved	ND	0.05	0.04900	98		0.05405	108		75-125	10		20
Sodium, Dissolved	1820	10	1770	**0**	Q	1960	**1400**	Q	75-125	10		20
Thallium, Dissolved	0.00092J	0.12	0.1246	104		0.1335	111		75-125	7		20
Vanadium, Dissolved	ND	0.5	0.5247	105		0.5705	114		75-125	8		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841
Report Date: 03/04/21

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): 01-06 QC Batch ID: WG1467761-3 WG1467761-4 QC Sample: L2108841-02 Client ID: MW-2									
Zinc, Dissolved	ND	0.5	0.5094	102	0.5395	108	75-125	6	20
Dissolved Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1467762-3 WG1467762-4 QC Sample: L2108841-02 Client ID: MW-2									
Mercury, Dissolved	ND	0.005	0.00480	96	0.00469	94	75-125	2	20

INORGANICS
&
MISCELLANEOUS

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841
Report Date: 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-01
Client ID: MW-1
Sample Location: BRONX, NY

Sample Depth:
Matrix: Water

Date Collected: 02/23/21 12:00
Date Received: 02/23/21
Field Prep: Not Specified

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	02/24/21 09:55	02/24/21 12:53	1,9010C/9012B	CR
Chromium, Hexavalent	0.004	J	mg/l	0.010	0.003	1	02/24/21 06:45	02/24/21 07:27	1,7196A	AW

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841
Report Date: 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-02
Client ID: MW-2
Sample Location: BRONX, NY

Sample Depth:
Matrix: Water

Date Collected: 02/23/21 13:30
Date Received: 02/23/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	0.035		mg/l	0.005	0.001	1	02/24/21 09:55	02/24/21 12:54	1,9010C/9012B	CR
Chromium, Hexavalent	0.008	J	mg/l	0.010	0.003	1	02/24/21 06:45	02/24/21 07:28	1,7196A	AW

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841
Report Date: 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-03
Client ID: MW-5
Sample Location: BRONX, NY

Sample Depth:
Matrix: Water

Date Collected: 02/23/21 15:10
Date Received: 02/23/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	0.002	J	mg/l	0.005	0.001	1	02/24/21 09:55	02/24/21 13:04	1,9010C/9012B	CR
Chromium, Hexavalent	0.003	J	mg/l	0.010	0.003	1	02/24/21 06:45	02/24/21 07:28	1,7196A	AW

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841
Report Date: 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-04
Client ID: BW-1
Sample Location: BRONX, NY

Sample Depth:
Matrix: Water

Date Collected: 02/23/21 17:00
Date Received: 02/23/21
Field Prep: Not Specified

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	02/24/21 09:55	02/24/21 13:21	1,9010C/9012B	CR
Chromium, Hexavalent	0.003	J	mg/l	0.010	0.003	1	02/24/21 06:45	02/24/21 07:28	1,7196A	AW

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841
Report Date: 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-05
Client ID: BW-1_DUP
Sample Location: BRONX, NY

Date Collected: 02/23/21 17:10
Date Received: 02/23/21
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	02/24/21 09:55	02/24/21 13:06	1,9010C/9012B	CR
Chromium, Hexavalent	0.003	J	mg/l	0.010	0.003	1	02/24/21 06:45	02/24/21 07:28	1,7196A	AW

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841
Report Date: 03/04/21

SAMPLE RESULTS

Lab ID: L2108841-06
Client ID: FIELD BLANK
Sample Location: BRONX, NY

Date Collected: 02/23/21 13:45
Date Received: 02/23/21
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	02/24/21 09:55	02/24/21 13:07	1,9010C/9012B	CR
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	02/24/21 06:45	02/24/21 07:29	1,7196A	AW

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2108841

Project Number: 2921 WESTCHESTER AVE **Report Date:** 03/04/21

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): 01-06 Batch: WG1467624-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	02/24/21 06:45	02/24/21 07:19	1,7196A	AW
General Chemistry - Westborough Lab for sample(s): 01-06 Batch: WG1467676-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	02/24/21 09:55	02/24/21 12:46	1,9010C/9012B	CR

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841
Report Date: 03/04/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 Batch: WG1467624-2								
Chromium, Hexavalent	101		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-06 Batch: WG1467676-2 WG1467676-3								
Cyanide, Total	105		104		85-115	1		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841
Report Date: 03/04/21

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): 01-06 QC Batch ID: WG1467624-4 WG1467624-5 QC Sample: L2108841-02 Client ID: MW-2												
Chromium, Hexavalent	0.008J	0.1	0.105	105		0.106	106		85-115	1		20
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1467676-4 WG1467676-5 QC Sample: L2108841-02 Client ID: MW-2												
Cyanide, Total	0.035	0.2	0.272	118		0.258	111		80-120	5		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841

Report Date: 03/04/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1467624-3 QC Sample: L2108841-02 Client ID: MW-2						
Chromium, Hexavalent	0.008J	0.008J	mg/l	NC		20

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841
Report Date: 03/04/21

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

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2108841-01A	Vial HCl preserved	E	NA		2.8	Y	Absent		NYTCL-8260(14)
L2108841-01B	Vial HCl preserved	E	NA		2.8	Y	Absent		NYTCL-8260(14)
L2108841-01C	Vial HCl preserved	E	NA		2.8	Y	Absent		NYTCL-8260(14)
L2108841-01D	Plastic 250ml unpreserved	E	NA		2.8	Y	Absent		A2-NY-537-ISOTOPE(14)
L2108841-01E	Plastic 250ml unpreserved	E	NA		2.8	Y	Absent		A2-NY-537-ISOTOPE(14)
L2108841-01F	Plastic 250ml NaOH preserved	E	>12	>12	2.8	Y	Absent		TCN-9010(14)
L2108841-01G	Plastic 250ml unpreserved	E	7	7	2.8	Y	Absent		-
L2108841-01H	Plastic 250ml HNO3 preserved	E	<2	<2	2.8	Y	Absent		FE-6020T(180),TL-6020T(180),SE-6020T(180),BA-6020T(180),NI-6020T(180),CR-6020T(180),CA-6020T(180),K-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),AS-6020T(180),V-6020T(180),SB-6020T(180),AG-6020T(180),MG-6020T(180),CD-6020T(180),HG-T(28),AL-6020T(180),CO-6020T(180)
L2108841-01I	Plastic 500ml unpreserved	E	7	7	2.8	Y	Absent		HEXCR-7196(1)
L2108841-01J	Amber 120ml unpreserved	E	7	7	2.8	Y	Absent		NYTCL-8082-LVI(7)
L2108841-01K	Amber 120ml unpreserved	E	7	7	2.8	Y	Absent		NYTCL-8082-LVI(7)
L2108841-01L	Amber 120ml unpreserved	E	7	7	2.8	Y	Absent		NYTCL-8081(7)
L2108841-01M	Amber 120ml unpreserved	E	7	7	2.8	Y	Absent		NYTCL-8081(7)
L2108841-01N	Amber 250ml unpreserved	E	7	7	2.8	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2108841-01O	Amber 250ml unpreserved	E	7	7	2.8	Y	Absent		A2-1,4-DIOXANE-SIM(7)

*Values in parentheses indicate holding time in days

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841
Report Date: 03/04/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2108841-01P	Amber 250ml unpreserved	E	7	7	2.8	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2108841-01Q	Amber 250ml unpreserved	E	7	7	2.8	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2108841-01R	Amber 1000ml unpreserved	E	7	7	2.8	Y	Absent		HERB-APA(7)
L2108841-01S	Amber 1000ml unpreserved	E	7	7	2.8	Y	Absent		HERB-APA(7)
L2108841-01X	Plastic 120ml HNO3 preserved Filtrates	E	NA		2.8	Y	Absent		CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),MG-6020S(180),BE-6020S(180),ZN-6020S(180),CO-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),PB-6020S(180),TL-6020S(180),NA-6020S(180),NI-6020S(180),AG-6020S(180),SB-6020S(180),AS-6020S(180),HG-S(28),CD-6020S(180),AL-6020S(180)
L2108841-02A	Vial HCl preserved	E	NA		2.8	Y	Absent		NYTCL-8260(14)
L2108841-02A1	Vial HCl preserved	C	NA		3.4	Y	Absent		NYTCL-8260(14)
L2108841-02A2	Vial HCl preserved	C	NA		3.4	Y	Absent		NYTCL-8260(14)
L2108841-02B	Vial HCl preserved	E	NA		2.8	Y	Absent		NYTCL-8260(14)
L2108841-02B1	Vial HCl preserved	C	NA		3.4	Y	Absent		NYTCL-8260(14)
L2108841-02B2	Vial HCl preserved	C	NA		3.4	Y	Absent		NYTCL-8260(14)
L2108841-02C	Vial HCl preserved	E	NA		2.8	Y	Absent		NYTCL-8260(14)
L2108841-02C1	Vial HCl preserved	C	NA		3.4	Y	Absent		NYTCL-8260(14)
L2108841-02C2	Vial HCl preserved	C	NA		3.4	Y	Absent		NYTCL-8260(14)
L2108841-02D	Plastic 250ml unpreserved	E	NA		2.8	Y	Absent		A2-NY-537-ISOTOPE(14)
L2108841-02D1	Plastic 250ml unpreserved	C	NA		3.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L2108841-02D2	Plastic 250ml unpreserved	C	NA		3.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L2108841-02E	Plastic 250ml unpreserved	E	NA		2.8	Y	Absent		A2-NY-537-ISOTOPE(14)
L2108841-02E1	Plastic 250ml unpreserved	C	NA		3.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L2108841-02E2	Plastic 250ml unpreserved	C	NA		3.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L2108841-02F	Plastic 250ml NaOH preserved	E	>12	>12	2.8	Y	Absent		TCN-9010(14)
L2108841-02F1	Plastic 250ml NaOH preserved	C	>12	>12	3.4	Y	Absent		TCN-9010(14)
L2108841-02F2	Plastic 250ml NaOH preserved	C	>12	>12	3.4	Y	Absent		TCN-9010(14)
L2108841-02G	Plastic 250ml unpreserved	E	7	7	2.8	Y	Absent		-

*Values in parentheses indicate holding time in days

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841
Report Date: 03/04/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2108841-02G1	Plastic 250ml unpreserved	C	7	7	3.4	Y	Absent		-
L2108841-02G2	Plastic 250ml unpreserved	C	7	7	3.4	Y	Absent		-
L2108841-02H	Plastic 250ml HNO3 preserved	E	<2	<2	2.8	Y	Absent		FE-6020T(180),SE-6020T(180),TL-6020T(180),BA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CA-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),SB-6020T(180),V-6020T(180),AS-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L2108841-02H1	Plastic 250ml HNO3 preserved	C	<2	<2	3.4	Y	Absent		FE-6020T(180),SE-6020T(180),TL-6020T(180),BA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CA-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),SB-6020T(180),V-6020T(180),AS-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L2108841-02H2	Plastic 250ml HNO3 preserved	C	<2	<2	3.4	Y	Absent		FE-6020T(180),SE-6020T(180),TL-6020T(180),BA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CA-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),SB-6020T(180),V-6020T(180),AS-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L2108841-02I	Plastic 500ml unpreserved	E	7	7	2.8	Y	Absent		HEXCR-7196(1)
L2108841-02I1	Plastic 500ml unpreserved	C	7	7	3.4	Y	Absent		HEXCR-7196(1)
L2108841-02I2	Plastic 500ml unpreserved	C	7	7	3.4	Y	Absent		HEXCR-7196(1)
L2108841-02J	Amber 120ml unpreserved	E	7	7	2.8	Y	Absent		NYTCL-8082-LVI(7)
L2108841-02J1	Amber 120ml unpreserved	C	7	7	3.4	Y	Absent		NYTCL-8082-LVI(7)
L2108841-02J2	Amber 120ml unpreserved	C	7	7	3.4	Y	Absent		NYTCL-8082-LVI(7)
L2108841-02K	Amber 120ml unpreserved	E	7	7	2.8	Y	Absent		NYTCL-8082-LVI(7)
L2108841-02K1	Amber 120ml unpreserved	C	7	7	3.4	Y	Absent		NYTCL-8082-LVI(7)
L2108841-02K2	Amber 120ml unpreserved	C	7	7	3.4	Y	Absent		NYTCL-8082-LVI(7)
L2108841-02L	Amber 120ml unpreserved	E	7	7	2.8	Y	Absent		NYTCL-8081(7)
L2108841-02L1	Amber 120ml unpreserved	C	7	7	3.4	Y	Absent		NYTCL-8081(7)

*Values in parentheses indicate holding time in days

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841
Report Date: 03/04/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2108841-02L2	Amber 120ml unpreserved	C	7	7	3.4	Y	Absent		NYTCL-8081(7)
L2108841-02M	Amber 120ml unpreserved	E	7	7	2.8	Y	Absent		NYTCL-8081(7)
L2108841-02M1	Amber 120ml unpreserved	C	7	7	3.4	Y	Absent		NYTCL-8081(7)
L2108841-02M2	Amber 120ml unpreserved	C	7	7	3.4	Y	Absent		NYTCL-8081(7)
L2108841-02N	Amber 250ml unpreserved	E	7	7	2.8	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2108841-02N1	Amber 250ml unpreserved	C	7	7	3.4	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2108841-02N2	Amber 250ml unpreserved	C	7	7	3.4	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2108841-02O	Amber 250ml unpreserved	E	7	7	2.8	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2108841-02O1	Amber 250ml unpreserved	C	7	7	3.4	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2108841-02O2	Amber 250ml unpreserved	C	7	7	3.4	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2108841-02P	Amber 250ml unpreserved	E	7	7	2.8	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2108841-02P1	Amber 250ml unpreserved	C	7	7	3.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2108841-02P2	Amber 250ml unpreserved	C	7	7	3.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2108841-02Q	Amber 250ml unpreserved	E	7	7	2.8	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2108841-02Q1	Amber 250ml unpreserved	C	7	7	3.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2108841-02Q2	Amber 250ml unpreserved	C	7	7	3.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2108841-02R	Amber 1000ml unpreserved	E	7	7	2.8	Y	Absent		HERB-APA(7)
L2108841-02R1	Amber 1000ml unpreserved	C	7	7	3.4	Y	Absent		HERB-APA(7)
L2108841-02R2	Amber 1000ml unpreserved	C	7	7	3.4	Y	Absent		HERB-APA(7)
L2108841-02S	Amber 1000ml unpreserved	E	7	7	2.8	Y	Absent		HERB-APA(7)
L2108841-02S1	Amber 1000ml unpreserved	C	7	7	3.4	Y	Absent		HERB-APA(7)
L2108841-02S2	Amber 1000ml unpreserved	C	7	7	3.4	Y	Absent		HERB-APA(7)
L2108841-02X	Plastic 120ml HNO3 preserved Filtrates	E	NA		2.8	Y	Absent		K-6020S(180),SE-6020S(180),V-6020S(180),CU-6020S(180),MN-6020S(180),MG-6020S(180),CO-6020S(180),BE-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NI-6020S(180),PB-6020S(180),NA-6020S(180),TL-6020S(180),SB-6020S(180),AG-6020S(180),AS-6020S(180),HG-S(28),AL-6020S(180),CD-6020S(180)
L2108841-03A	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

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Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841
Report Date: 03/04/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2108841-03B	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)
L2108841-03C	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)
L2108841-03D	Plastic 250ml unpreserved	A	NA		3.8	Y	Absent		A2-NY-537-ISOTOPE(14)
L2108841-03E	Plastic 250ml unpreserved	A	NA		3.8	Y	Absent		A2-NY-537-ISOTOPE(14)
L2108841-03F	Plastic 250ml NaOH preserved	A	>12	>12	3.8	Y	Absent		TCN-9010(14)
L2108841-03G	Plastic 250ml unpreserved	A	7	7	3.8	Y	Absent		-
L2108841-03H	Plastic 250ml HNO3 preserved	A	<2	<2	3.8	Y	Absent		TL-6020T(180),BA-6020T(180),SE-6020T(180),FE-6020T(180),K-6020T(180),CR-6020T(180),NI-6020T(180),CA-6020T(180),CU-6020T(180),ZN-6020T(180),NA-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AL-6020T(180),AG-6020T(180),HG-T(28),CD-6020T(180),MG-6020T(180),CO-6020T(180)
L2108841-03I	Plastic 500ml unpreserved	A	7	7	3.8	Y	Absent		HEXCR-7196(1)
L2108841-03J	Amber 120ml unpreserved	A	7	7	3.8	Y	Absent		NYTCL-8082-LVI(7)
L2108841-03K	Amber 120ml unpreserved	A	7	7	3.8	Y	Absent		NYTCL-8082-LVI(7)
L2108841-03L	Amber 120ml unpreserved	A	7	7	3.8	Y	Absent		NYTCL-8081(7)
L2108841-03M	Amber 120ml unpreserved	A	7	7	3.8	Y	Absent		NYTCL-8081(7)
L2108841-03N	Amber 250ml unpreserved	A	7	7	3.8	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2108841-03O	Amber 250ml unpreserved	A	7	7	3.8	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2108841-03P	Amber 250ml unpreserved	A	7	7	3.8	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2108841-03Q	Amber 250ml unpreserved	A	7	7	3.8	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2108841-03R	Amber 1000ml unpreserved	A	7	7	3.8	Y	Absent		HERB-APA(7)
L2108841-03S	Amber 1000ml unpreserved	A	7	7	3.8	Y	Absent		HERB-APA(7)
L2108841-03X	Plastic 120ml HNO3 preserved Filtrates	A	NA		3.8	Y	Absent		V-6020S(180),SE-6020S(180),CU-6020S(180),K-6020S(180),MN-6020S(180),MG-6020S(180),ZN-6020S(180),BE-6020S(180),CO-6020S(180),FE-6020S(180),CR-6020S(180),CA-6020S(180),TL-6020S(180),PB-6020S(180),NI-6020S(180),NA-6020S(180),BA-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),HG-S(28),AL-6020S(180),CD-6020S(180)
L2108841-04A	Vial HCl preserved	D	NA		4.1	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

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Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841
Report Date: 03/04/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2108841-04B	Vial HCl preserved	D	NA		4.1	Y	Absent		NYTCL-8260(14)
L2108841-04C	Vial HCl preserved	D	NA		4.1	Y	Absent		NYTCL-8260(14)
L2108841-04D	Plastic 250ml unpreserved	D	NA		4.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2108841-04E	Plastic 250ml unpreserved	D	NA		4.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2108841-04F	Plastic 250ml NaOH preserved	D	>12	>12	4.1	Y	Absent		TCN-9010(14)
L2108841-04G	Plastic 250ml unpreserved	D	7	7	4.1	Y	Absent		-
L2108841-04H	Plastic 250ml HNO3 preserved	D	<2	<2	4.1	Y	Absent		SE-6020T(180),TL-6020T(180),BA-6020T(180),FE-6020T(180),K-6020T(180),CR-6020T(180),NI-6020T(180),CA-6020T(180),ZN-6020T(180),CU-6020T(180),NA-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),HG-T(28),CD-6020T(180),AL-6020T(180),MG-6020T(180),CO-6020T(180)
L2108841-04I	Plastic 500ml unpreserved	D	7	7	4.1	Y	Absent		HEXCR-7196(1)
L2108841-04J	Amber 120ml unpreserved	D	7	7	4.1	Y	Absent		NYTCL-8082-LVI(7)
L2108841-04K	Amber 120ml unpreserved	D	7	7	4.1	Y	Absent		NYTCL-8082-LVI(7)
L2108841-04L	Amber 120ml unpreserved	D	7	7	4.1	Y	Absent		NYTCL-8081(7)
L2108841-04M	Amber 120ml unpreserved	D	7	7	4.1	Y	Absent		NYTCL-8081(7)
L2108841-04N	Amber 250ml unpreserved	D	7	7	4.1	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2108841-04O	Amber 250ml unpreserved	D	7	7	4.1	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2108841-04P	Amber 250ml unpreserved	D	7	7	4.1	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2108841-04Q	Amber 250ml unpreserved	D	7	7	4.1	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2108841-04R	Amber 1000ml unpreserved	D	7	7	4.1	Y	Absent		HERB-APA(7)
L2108841-04S	Amber 1000ml unpreserved	D	7	7	4.1	Y	Absent		HERB-APA(7)
L2108841-04X	Plastic 120ml HNO3 preserved Filtrates	D	NA		4.1	Y	Absent		SE-6020S(180),V-6020S(180),CU-6020S(180),K-6020S(180),MN-6020S(180),CO-6020S(180),ZN-6020S(180),BE-6020S(180),MG-6020S(180),CR-6020S(180),FE-6020S(180),CA-6020S(180),NA-6020S(180),TL-6020S(180),BA-6020S(180),NI-6020S(180),PB-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),CD-6020S(180),HG-S(28),AL-6020S(180)
L2108841-05A	Vial HCl preserved	D	NA		4.1	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: 2921 WESTCHESTER AVENUE
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Lab Number: L2108841
Report Date: 03/04/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2108841-05B	Vial HCl preserved	D	NA		4.1	Y	Absent		NYTCL-8260(14)
L2108841-05C	Vial HCl preserved	D	NA		4.1	Y	Absent		NYTCL-8260(14)
L2108841-05D	Plastic 250ml unpreserved	D	NA		4.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2108841-05E	Plastic 250ml unpreserved	D	NA		4.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2108841-05F	Plastic 250ml NaOH preserved	D	>12	>12	4.1	Y	Absent		TCN-9010(14)
L2108841-05G	Plastic 250ml unpreserved	D	7	7	4.1	Y	Absent		-
L2108841-05H	Plastic 250ml HNO3 preserved	D	<2	<2	4.1	Y	Absent		SE-6020T(180),TL-6020T(180),BA-6020T(180),FE-6020T(180),NI-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NA-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),V-6020T(180),AS-6020T(180),SB-6020T(180),AL-6020T(180),CD-6020T(180),AG-6020T(180),MG-6020T(180),HG-T(28),CO-6020T(180)
L2108841-05I	Plastic 500ml unpreserved	D	7	7	4.1	Y	Absent		HEXCR-7196(1)
L2108841-05J	Amber 120ml unpreserved	D	7	7	4.1	Y	Absent		NYTCL-8082-LVI(7)
L2108841-05K	Amber 120ml unpreserved	D	7	7	4.1	Y	Absent		NYTCL-8082-LVI(7)
L2108841-05L	Amber 120ml unpreserved	D	7	7	4.1	Y	Absent		NYTCL-8081(7)
L2108841-05M	Amber 120ml unpreserved	D	7	7	4.1	Y	Absent		NYTCL-8081(7)
L2108841-05N	Amber 250ml unpreserved	D	7	7	4.1	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2108841-05O	Amber 250ml unpreserved	D	7	7	4.1	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2108841-05P	Amber 250ml unpreserved	D	7	7	4.1	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2108841-05Q	Amber 250ml unpreserved	D	7	7	4.1	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2108841-05R	Amber 1000ml unpreserved	D	7	7	4.1	Y	Absent		HERB-APA(7)
L2108841-05S	Amber 1000ml unpreserved	D	7	7	4.1	Y	Absent		HERB-APA(7)
L2108841-05X	Plastic 120ml HNO3 preserved Filtrates	D	NA		4.1	Y	Absent		K-6020S(180),CU-6020S(180),V-6020S(180),SE-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),ZN-6020S(180),MG-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),TL-6020S(180),PB-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),CD-6020S(180),AL-6020S(180),HG-S(28)

*Values in parentheses indicate holding time in days

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Report Date: 03/04/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2108841-06A	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)
L2108841-06B	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)
L2108841-06C	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)
L2108841-06D	Plastic 250ml unpreserved	A	NA		3.8	Y	Absent		A2-NY-537-ISOTOPE(14)
L2108841-06F	Plastic 250ml NaOH preserved	A	>12	>12	3.8	Y	Absent		TCN-9010(14)
L2108841-06G	Plastic 250ml unpreserved	A	7	7	3.8	Y	Absent		-
L2108841-06H	Plastic 250ml HNO3 preserved	A	<2	<2	3.8	Y	Absent		SE-6020T(180),FE-6020T(180),TL-6020T(180),BA-6020T(180),CA-6020T(180),NI-6020T(180),CR-6020T(180),K-6020T(180),CU-6020T(180),ZN-6020T(180),NA-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),SB-6020T(180),AS-6020T(180),V-6020T(180),HG-T(28),AG-6020T(180),MG-6020T(180),AL-6020T(180),CD-6020T(180),CO-6020T(180)
L2108841-06I	Plastic 500ml unpreserved	A	7	7	3.8	Y	Absent		HEXCR-7196(1)
L2108841-06J	Amber 120ml unpreserved	A	7	7	3.8	Y	Absent		NYTCL-8082-LVI(7)
L2108841-06K	Amber 120ml unpreserved	A	7	7	3.8	Y	Absent		NYTCL-8082-LVI(7)
L2108841-06L	Amber 120ml unpreserved	A	7	7	3.8	Y	Absent		NYTCL-8081(7)
L2108841-06M	Amber 120ml unpreserved	A	7	7	3.8	Y	Absent		NYTCL-8081(7)
L2108841-06N	Amber 250ml unpreserved	A	7	7	3.8	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2108841-06O	Amber 250ml unpreserved	A	7	7	3.8	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2108841-06P	Amber 250ml unpreserved	A	7	7	3.8	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2108841-06Q	Amber 250ml unpreserved	A	7	7	3.8	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2108841-06R	Amber 1000ml unpreserved	A	7	7	3.8	Y	Absent		HERB-APA(7)
L2108841-06S	Amber 1000ml unpreserved	A	7	7	3.8	Y	Absent		HERB-APA(7)
L2108841-06X	Plastic 120ml HNO3 preserved Filtrates	A	NA		3.8	Y	Absent		K-6020S(180),SE-6020S(180),CU-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),MG-6020S(180),ZN-6020S(180),CO-6020S(180),FE-6020S(180),CA-6020S(180),CR-6020S(180),BA-6020S(180),NI-6020S(180),TL-6020S(180),PB-6020S(180),NA-6020S(180),AS-6020S(180),SB-6020S(180),AG-6020S(180),CD-6020S(180),HG-S(28),AL-6020S(180)
L2108841-07A	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

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Report Date: 03/04/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2108841-07B	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

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Project Number: 2921 WESTCHESTER AVE

Lab Number: L2108841
Report Date: 03/04/21

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

Project Name:	2921 WESTCHESTER AVENUE	**Lab Number:**	L2108841
Project Number:	2921 WESTCHESTER AVE	**Report Date:**	03/04/21

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	2921 WESTCHESTER AVENUE	**Lab Number:**	L2108841
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Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	2921 WESTCHESTER AVENUE	**Lab Number:**	L2108841
Project Number:	2921 WESTCHESTER AVE	**Report Date:**	03/04/21

Data Qualifiers

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	2921 WESTCHESTER AVENUE	**Lab Number:**	L2108841
Project Number:	2921 WESTCHESTER AVE	**Report Date:**	03/04/21

REFERENCES

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

107 Alpha Analytical - In-house calculation method.

134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

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

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

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

Westborough Facility:

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

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

Mansfield Facility:

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

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

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 2/24/21

ALPHA Job #: L2108841

Client Information
Client: Tenen Environmental
Address: 121 West 27th Street Suite 702, NY, NY 10001
Phone: 646-606-2332
Fax: aplatt@tenen-env.com
Email: acarroll@tenen-env.com

Project Information
Project Name: 2921 Westchester Avenue
Project Location: Bronx, NY
Project #
(Use Project name as Project #) ☒
Project Manager: A. Carroll
ALPHAQuote #: 11187

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

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

Billing Information
☒ Same as Client Info
PO #

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

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

MS/MSD from MW-2. Cat B deliverables

Please specify Metals or TAL.

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	VOCs	SVOCs	Total/Dissolved Metals	Pest/Herb/PCBs	Total Cyanide	Tri/Hex Chromium	PFAS	1,4-Dioxane	Sample Specific Comments	Total Bottle
08841-01	MW-1	2/23/21	12:00	Water	AP	X	X	X	X	X	X	X	X		19
-02	MW-2	↓	13:30	↓	↓	X	X	X	X	X	X	X	X		↓
-03	MW-5	↓	15:10	↓	↓	X	X	X	X	X	X	X	X		↓
-04	BW-1	↓	17:00	↓	↓	X	X	X	X	X	X	X	X		↓
-05	BW-1-DUP	↓	17:10	↓	↓	X	X	X	X	X	X	X	X		↓
-06	Field Blank	↓	13:45	↓	↓	X	X	X	X	X	X	X	X		18
-07	Trip Blank	↓		↓		X									2

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

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

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

Container Type	V	A	P	A	P	P	P	A
Preservative	B	A	C	A	E	A	A	A

Relinquished By:	Date/Time	Received By:	Date/Time
A. Platt / Tenen	2/23/21 19:00	[illegible]	2/23/21 19:00
[illegible]	2/23/21 20:00	[illegible] AAL	2/23/21 21:00
[illegible] AAL	2/24/21 00:30	[illegible]	2/24/21 00:30

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

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

ANALYTICAL REPORT

Lab Number:	L2110911
Client:	Tenen Environmental, LLC 121 West 27th Street Suite 702 New York City, NY 10001
ATTN:	Alana Carroll
Phone:	(646) 606-2332
Project Name:	2921 WESTCHESTER AVENUE
Project Number:	2921 WESTCHESTER AVE
Report Date:	03/11/21

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

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

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110911
Report Date: 03/11/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2110911-01	MW-3	WATER	BRONX, NY	03/04/21 13:00	03/04/21
L2110911-02	MW-4	WATER	BRONX, NY	03/04/21 12:20	03/04/21
L2110911-03	MW-5_VOC	WATER	BRONX, NY	03/04/21 14:00	03/04/21
L2110911-04	MW-6	WATER	BRONX, NY	03/04/21 14:30	03/04/21
L2110911-05	TRIP BLANK	WATER	BRONX, NY	03/04/21 00:00	03/04/21

Project Name:	2921 WESTCHESTER AVENUE	**Lab Number:**	L2110911
Project Number:	2921 WESTCHESTER AVE	**Report Date:**	03/11/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	2921 WESTCHESTER AVENUE	**Lab Number:**	L2110911
Project Number:	2921 WESTCHESTER AVE	**Report Date:**	03/11/21

Case Narrative (continued)

Report Submission

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

Semivolatile Organics

L2110911-04: The sample has elevated detection limits due to limited sample volume available for analysis.

Semivolatile Organics by SIM

L2110911-04: The sample has elevated detection limits due to limited sample volume available for analysis.

L2110911-04: The surrogate recoveries were outside the acceptance criteria for 2-fluorophenol (14%), nitrobenzene-d5 (17%) and 4-terphenyl-d14 (21%) ; however, re-extraction could not be performed due to lack of additional sample. The results of the original analysis are reported.

Perfluorinated Alkyl Acids by Isotope Dilution

L2110911-01 and -02: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

Dissolved Metals

The WG1471945-3 MS recovery for sodium (0%), performed on L2110911-01, does not apply because the sample concentration is greater than four times the spike amount added.

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

Authorized Signature: Cristin Walker

Title: Technical Director/Representative

Date: 03/11/21

ORGANICS

VOLATILES

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2110911

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/11/21

SAMPLE RESULTS

Lab ID: L2110911-01 D
Client ID: MW-3
Sample Location: BRONX, NY

Date Collected: 03/04/21 13:00
Date Received: 03/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/09/21 23:54
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	1.4	2
1,1-Dichloroethane	ND		ug/l	5.0	1.4	2
Chloroform	2.4	J	ug/l	5.0	1.4	2
Carbon tetrachloride	ND		ug/l	1.0	0.27	2
1,2-Dichloropropane	ND		ug/l	2.0	0.27	2
Dibromochloromethane	ND		ug/l	1.0	0.30	2
1,1,2-Trichloroethane	ND		ug/l	3.0	1.0	2
Tetrachloroethene	170		ug/l	1.0	0.36	2
Chlorobenzene	ND		ug/l	5.0	1.4	2
Trichlorofluoromethane	ND		ug/l	5.0	1.4	2
1,2-Dichloroethane	ND		ug/l	1.0	0.26	2
1,1,1-Trichloroethane	ND		ug/l	5.0	1.4	2
Bromodichloromethane	ND		ug/l	1.0	0.38	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	0.33	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	0.29	2
1,3-Dichloropropene, Total	ND		ug/l	1.0	0.29	2
1,1-Dichloropropene	ND		ug/l	5.0	1.4	2
Bromoform	ND		ug/l	4.0	1.3	2
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.33	2
Benzene	ND		ug/l	1.0	0.32	2
Toluene	ND		ug/l	5.0	1.4	2
Ethylbenzene	ND		ug/l	5.0	1.4	2
Chloromethane	ND		ug/l	5.0	1.4	2
Bromomethane	ND		ug/l	5.0	1.4	2
Vinyl chloride	2.9		ug/l	2.0	0.14	2
Chloroethane	ND		ug/l	5.0	1.4	2
1,1-Dichloroethene	ND		ug/l	1.0	0.34	2
trans-1,2-Dichloroethene	ND		ug/l	5.0	1.4	2

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2110911

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/11/21

SAMPLE RESULTS

Lab ID: L2110911-01 D
Client ID: MW-3
Sample Location: BRONX, NY

Date Collected: 03/04/21 13:00
Date Received: 03/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	31		ug/l	1.0	0.35	2
1,2-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,3-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,4-Dichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl tert butyl ether	ND		ug/l	5.0	1.4	2
p/m-Xylene	ND		ug/l	5.0	1.4	2
o-Xylene	ND		ug/l	5.0	1.4	2
Xylenes, Total	ND		ug/l	5.0	1.4	2
cis-1,2-Dichloroethene	140		ug/l	5.0	1.4	2
1,2-Dichloroethene, Total	140		ug/l	5.0	1.4	2
Dibromomethane	ND		ug/l	10	2.0	2
1,2,3-Trichloropropane	ND		ug/l	5.0	1.4	2
Acrylonitrile	ND		ug/l	10	3.0	2
Styrene	ND		ug/l	5.0	1.4	2
Dichlorodifluoromethane	ND		ug/l	10	2.0	2
Acetone	ND		ug/l	10	2.9	2
Carbon disulfide	ND		ug/l	10	2.0	2
2-Butanone	ND		ug/l	10	3.9	2
Vinyl acetate	ND		ug/l	10	2.0	2
4-Methyl-2-pentanone	ND		ug/l	10	2.0	2
2-Hexanone	ND		ug/l	10	2.0	2
Bromochloromethane	ND		ug/l	5.0	1.4	2
2,2-Dichloropropane	ND		ug/l	5.0	1.4	2
1,2-Dibromoethane	ND		ug/l	4.0	1.3	2
1,3-Dichloropropane	ND		ug/l	5.0	1.4	2
1,1,1,2-Tetrachloroethane	ND		ug/l	5.0	1.4	2
Bromobenzene	ND		ug/l	5.0	1.4	2
n-Butylbenzene	ND		ug/l	5.0	1.4	2
sec-Butylbenzene	ND		ug/l	5.0	1.4	2
tert-Butylbenzene	ND		ug/l	5.0	1.4	2
o-Chlorotoluene	ND		ug/l	5.0	1.4	2
p-Chlorotoluene	ND		ug/l	5.0	1.4	2
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	1.4	2
Hexachlorobutadiene	ND		ug/l	5.0	1.4	2
Isopropylbenzene	ND		ug/l	5.0	1.4	2
p-Isopropyltoluene	ND		ug/l	5.0	1.4	2
Naphthalene	ND		ug/l	5.0	1.4	2

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2110911

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/11/21

SAMPLE RESULTS

Lab ID: L2110911-01 D
Client ID: MW-3
Sample Location: BRONX, NY

Date Collected: 03/04/21 13:00
Date Received: 03/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	5.0	1.4	2
1,2,3-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,3,5-Trimethylbenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trimethylbenzene	ND		ug/l	5.0	1.4	2
1,4-Dioxane	ND		ug/l	500	120	2
p-Diethylbenzene	ND		ug/l	4.0	1.4	2
p-Ethyltoluene	ND		ug/l	4.0	1.4	2
1,2,4,5-Tetramethylbenzene	ND		ug/l	4.0	1.1	2
Ethyl ether	ND		ug/l	5.0	1.4	2
trans-1,4-Dichloro-2-butene	ND		ug/l	5.0	1.4	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	88		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	103		70-130

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2110911

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/11/21

SAMPLE RESULTS

Lab ID: L2110911-02
Client ID: MW-4
Sample Location: BRONX, NY

Date Collected: 03/04/21 12:20
Date Received: 03/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/09/21 23:05
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	23		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: 2921 WESTCHESTER AVENUE **Lab Number:** L2110911

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/11/21

SAMPLE RESULTS

Lab ID: L2110911-02 Date Collected: 03/04/21 12:20

Client ID: MW-4 Date Received: 03/04/21

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	1.9		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	3.8		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	3.8		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: 2921 WESTCHESTER AVENUE **Lab Number:** L2110911

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/11/21

SAMPLE RESULTS

Lab ID: L2110911-02 Date Collected: 03/04/21 12:20

Client ID: MW-4 Date Received: 03/04/21

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	100		70-130
Toluene-d8	87		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	115		70-130

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2110911

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/11/21

SAMPLE RESULTS

Lab ID: L2110911-03 D
Client ID: MW-5_VOC
Sample Location: BRONX, NY

Date Collected: 03/04/21 14:00
Date Received: 03/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/11/21 10:09
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	1000	280	400
1,1-Dichloroethane	ND		ug/l	1000	280	400
Chloroform	ND		ug/l	1000	280	400
Carbon tetrachloride	ND		ug/l	200	54.	400
1,2-Dichloropropane	ND		ug/l	400	55.	400
Dibromochloromethane	ND		ug/l	200	60.	400
1,1,2-Trichloroethane	ND		ug/l	600	200	400
Tetrachloroethene	42000		ug/l	200	72.	400
Chlorobenzene	ND		ug/l	1000	280	400
Trichlorofluoromethane	ND		ug/l	1000	280	400
1,2-Dichloroethane	ND		ug/l	200	53.	400
1,1,1-Trichloroethane	ND		ug/l	1000	280	400
Bromodichloromethane	ND		ug/l	200	77.	400
trans-1,3-Dichloropropene	ND		ug/l	200	66.	400
cis-1,3-Dichloropropene	ND		ug/l	200	58.	400
1,3-Dichloropropene, Total	ND		ug/l	200	58.	400
1,1-Dichloropropene	ND		ug/l	1000	280	400
Bromoform	ND		ug/l	800	260	400
1,1,2,2-Tetrachloroethane	ND		ug/l	200	67.	400
Benzene	ND		ug/l	200	64.	400
Toluene	ND		ug/l	1000	280	400
Ethylbenzene	ND		ug/l	1000	280	400
Chloromethane	ND		ug/l	1000	280	400
Bromomethane	ND		ug/l	1000	280	400
Vinyl chloride	600		ug/l	400	28.	400
Chloroethane	ND		ug/l	1000	280	400
1,1-Dichloroethene	ND		ug/l	200	68.	400
trans-1,2-Dichloroethene	ND		ug/l	1000	280	400

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2110911

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/11/21

SAMPLE RESULTS

Lab ID: L2110911-03 D
Client ID: MW-5_VOC
Sample Location: BRONX, NY

Date Collected: 03/04/21 14:00
Date Received: 03/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	4000		ug/l	200	70.	400
1,2-Dichlorobenzene	ND		ug/l	1000	280	400
1,3-Dichlorobenzene	ND		ug/l	1000	280	400
1,4-Dichlorobenzene	ND		ug/l	1000	280	400
Methyl tert butyl ether	ND		ug/l	1000	280	400
p/m-Xylene	ND		ug/l	1000	280	400
o-Xylene	ND		ug/l	1000	280	400
Xylenes, Total	ND		ug/l	1000	280	400
cis-1,2-Dichloroethene	9900		ug/l	1000	280	400
1,2-Dichloroethene, Total	9900		ug/l	1000	280	400
Dibromomethane	ND		ug/l	2000	400	400
1,2,3-Trichloropropane	ND		ug/l	1000	280	400
Acrylonitrile	ND		ug/l	2000	600	400
Styrene	ND		ug/l	1000	280	400
Dichlorodifluoromethane	ND		ug/l	2000	400	400
Acetone	ND		ug/l	2000	580	400
Carbon disulfide	ND		ug/l	2000	400	400
2-Butanone	ND		ug/l	2000	780	400
Vinyl acetate	ND		ug/l	2000	400	400
4-Methyl-2-pentanone	ND		ug/l	2000	400	400
2-Hexanone	ND		ug/l	2000	400	400
Bromochloromethane	ND		ug/l	1000	280	400
2,2-Dichloropropane	ND		ug/l	1000	280	400
1,2-Dibromoethane	ND		ug/l	800	260	400
1,3-Dichloropropane	ND		ug/l	1000	280	400
1,1,1,2-Tetrachloroethane	ND		ug/l	1000	280	400
Bromobenzene	ND		ug/l	1000	280	400
n-Butylbenzene	ND		ug/l	1000	280	400
sec-Butylbenzene	ND		ug/l	1000	280	400
tert-Butylbenzene	ND		ug/l	1000	280	400
o-Chlorotoluene	ND		ug/l	1000	280	400
p-Chlorotoluene	ND		ug/l	1000	280	400
1,2-Dibromo-3-chloropropane	ND		ug/l	1000	280	400
Hexachlorobutadiene	ND		ug/l	1000	280	400
Isopropylbenzene	ND		ug/l	1000	280	400
p-Isopropyltoluene	ND		ug/l	1000	280	400
Naphthalene	ND		ug/l	1000	280	400

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2110911

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/11/21

SAMPLE RESULTS

Lab ID: L2110911-03 D
Client ID: MW-5_VOC
Sample Location: BRONX, NY

Date Collected: 03/04/21 14:00
Date Received: 03/04/21
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	1000	280	400
1,2,3-Trichlorobenzene	ND		ug/l	1000	280	400
1,2,4-Trichlorobenzene	ND		ug/l	1000	280	400
1,3,5-Trimethylbenzene	ND		ug/l	1000	280	400
1,2,4-Trimethylbenzene	ND		ug/l	1000	280	400
1,4-Dioxane	ND		ug/l	100000	24000	400
p-Diethylbenzene	ND		ug/l	800	280	400
p-Ethyltoluene	ND		ug/l	800	280	400
1,2,4,5-Tetramethylbenzene	ND		ug/l	800	220	400
Ethyl ether	ND		ug/l	1000	280	400
trans-1,4-Dichloro-2-butene	ND		ug/l	1000	280	400

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	100		70-130

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2110911

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/11/21

SAMPLE RESULTS

Lab ID: L2110911-04
Client ID: MW-6
Sample Location: BRONX, NY

Date Collected: 03/04/21 14:30
Date Received: 03/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/09/21 23:29
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.49	J	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: 2921 WESTCHESTER AVENUE **Lab Number:** L2110911

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/11/21

SAMPLE RESULTS

Lab ID: L2110911-04 Date Collected: 03/04/21 14:30

Client ID: MW-6 Date Received: 03/04/21

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	6.2		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: 2921 WESTCHESTER AVENUE **Lab Number:** L2110911

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/11/21

SAMPLE RESULTS

Lab ID: L2110911-04 Date Collected: 03/04/21 14:30

Client ID: MW-6 Date Received: 03/04/21

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	107		70-130
Toluene-d8	86		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	123		70-130

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2110911

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/11/21

SAMPLE RESULTS

Lab ID: L2110911-05
Client ID: TRIP BLANK
Sample Location: BRONX, NY

Date Collected: 03/04/21 00:00
Date Received: 03/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/09/21 17:14
Analyst: LAC

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: 2921 WESTCHESTER AVENUE **Lab Number:** L2110911

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/11/21

SAMPLE RESULTS

Lab ID: L2110911-05 Date Collected: 03/04/21 00:00

Client ID: TRIP BLANK Date Received: 03/04/21

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: 2921 WESTCHESTER AVENUE **Lab Number:** L2110911

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/11/21

SAMPLE RESULTS

Lab ID: L2110911-05 Date Collected: 03/04/21 00:00

Client ID: TRIP BLANK Date Received: 03/04/21

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	126		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	120		70-130

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2110911

Project Number: 2921 WESTCHESTER AVE **Report Date:** 03/11/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/09/21 09:27
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1472477-5					
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: 2921 WESTCHESTER AVENUE **Lab Number:** L2110911

Project Number: 2921 WESTCHESTER AVE **Report Date:** 03/11/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/09/21 09:27
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1472477-5					
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: 2921 WESTCHESTER AVENUE **Lab Number:** L2110911

Project Number: 2921 WESTCHESTER AVE **Report Date:** 03/11/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/09/21 09:27
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1472477-5					
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	122		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	119		70-130

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2110911

Project Number: 2921 WESTCHESTER AVE **Report Date:** 03/11/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/09/21 16:28
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,04 Batch: WG1472731-5					
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: 2921 WESTCHESTER AVENUE **Lab Number:** L2110911

Project Number: 2921 WESTCHESTER AVE **Report Date:** 03/11/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/09/21 16:28
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,04 Batch: WG1472731-5					
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: 2921 WESTCHESTER AVENUE **Lab Number:** L2110911

Project Number: 2921 WESTCHESTER AVE **Report Date:** 03/11/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/09/21 16:28
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,04 Batch: WG1472731-5					
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	106		70-130
Toluene-d8	86		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	119		70-130

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2110911

Project Number: 2921 WESTCHESTER AVE **Report Date:** 03/11/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/11/21 08:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1473232-5					
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: 2921 WESTCHESTER AVENUE **Lab Number:** L2110911

Project Number: 2921 WESTCHESTER AVE **Report Date:** 03/11/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/11/21 08:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1473232-5					
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: 2921 WESTCHESTER AVENUE **Lab Number:** L2110911

Project Number: 2921 WESTCHESTER AVE **Report Date:** 03/11/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/11/21 08:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1473232-5					
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	105		70-130
Toluene-d8	87		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	122		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110911
Report Date: 03/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1472477-3 WG1472477-4								
Methylene chloride	100		110		70-130	10		20
1,1-Dichloroethane	120		120		70-130	0		20
Chloroform	100		110		70-130	10		20
Carbon tetrachloride	100		100		63-132	0		20
1,2-Dichloropropane	100		110		70-130	10		20
Dibromochloromethane	84		83		63-130	1		20
1,1,2-Trichloroethane	91		90		70-130	1		20
Tetrachloroethene	91		90		70-130	1		20
Chlorobenzene	98		97		75-130	1		20
Trichlorofluoromethane	130		130		62-150	0		20
1,2-Dichloroethane	110		110		70-130	0		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	98		98		67-130	0		20
trans-1,3-Dichloropropene	87		87		70-130	0		20
cis-1,3-Dichloropropene	94		93		70-130	1		20
1,1-Dichloropropene	100		100		70-130	0		20
Bromoform	80		78		54-136	3		20
1,1,2,2-Tetrachloroethane	94		92		67-130	2		20
Benzene	100		100		70-130	0		20
Toluene	95		95		70-130	0		20
Ethylbenzene	96		95		70-130	1		20
Chloromethane	120		130		64-130	8		20
Bromomethane	**140**	Q	**140**	Q	39-139	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110911
Report Date: 03/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1472477-3 WG1472477-4								
Vinyl chloride	120		120		55-140	0		20
Chloroethane	130		**140**	Q	55-138	7		20
1,1-Dichloroethene	110		110		61-145	0		20
trans-1,2-Dichloroethene	100		110		70-130	10		20
Trichloroethene	91		88		70-130	3		20
1,2-Dichlorobenzene	96		94		70-130	2		20
1,3-Dichlorobenzene	96		95		70-130	1		20
1,4-Dichlorobenzene	96		94		70-130	2		20
Methyl tert butyl ether	89		86		63-130	3		20
p/m-Xylene	95		95		70-130	0		20
o-Xylene	95		95		70-130	0		20
cis-1,2-Dichloroethene	110		100		70-130	10		20
Dibromomethane	100		100		70-130	0		20
1,2,3-Trichloropropane	95		92		64-130	3		20
Acrylonitrile	110		100		70-130	10		20
Styrene	95		95		70-130	0		20
Dichlorodifluoromethane	70		71		36-147	1		20
Acetone	120		110		58-148	9		20
Carbon disulfide	110		110		51-130	0		20
2-Butanone	110		100		63-138	10		20
Vinyl acetate	100		100		70-130	0		20
4-Methyl-2-pentanone	84		83		59-130	1		20
2-Hexanone	98		99		57-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE
Lab Number: L2110911
Report Date: 03/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1472477-3 WG1472477-4								
Bromochloromethane	110		110		70-130	0		20
2,2-Dichloropropane	100		100		63-133	0		20
1,2-Dibromoethane	94		92		70-130	2		20
1,3-Dichloropropane	96		93		70-130	3		20
1,1,1,2-Tetrachloroethane	85		82		64-130	4		20
Bromobenzene	93		92		70-130	1		20
n-Butylbenzene	100		100		53-136	0		20
sec-Butylbenzene	98		98		70-130	0		20
tert-Butylbenzene	81		80		70-130	1		20
o-Chlorotoluene	89		88		70-130	1		20
p-Chlorotoluene	95		95		70-130	0		20
1,2-Dibromo-3-chloropropane	89		86		41-144	3		20
Hexachlorobutadiene	100		96		63-130	4		20
Isopropylbenzene	94		92		70-130	2		20
p-Isopropyltoluene	98		95		70-130	3		20
Naphthalene	95		90		70-130	5		20
n-Propylbenzene	98		96		69-130	2		20
1,2,3-Trichlorobenzene	97		94		70-130	3		20
1,2,4-Trichlorobenzene	97		92		70-130	5		20
1,3,5-Trimethylbenzene	90		88		64-130	2		20
1,2,4-Trimethylbenzene	90		89		70-130	1		20
1,4-Dioxane	64		58		56-162	10		20
p-Diethylbenzene	95		93		70-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110911
Report Date: 03/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1472477-3 WG1472477-4								
p-Ethyltoluene	95		93		70-130	2		20
1,2,4,5-Tetramethylbenzene	92		90		70-130	2		20
Ethyl ether	120		110		59-134	9		20
trans-1,4-Dichloro-2-butene	96		90		70-130	6		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	119		119		70-130
Toluene-d8	100		98		70-130
4-Bromofluorobenzene	93		91		70-130
Dibromofluoromethane	109		109		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110911
Report Date: 03/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,04 Batch: WG1472731-3 WG1472731-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	100		97		70-130	3		20
Chloroform	100		98		70-130	2		20
Carbon tetrachloride	100		97		63-132	3		20
1,2-Dichloropropane	91		90		70-130	1		20
Dibromochloromethane	85		81		63-130	5		20
1,1,2-Trichloroethane	83		80		70-130	4		20
Tetrachloroethene	91		89		70-130	2		20
Chlorobenzene	92		90		75-130	2		20
Trichlorofluoromethane	100		100		62-150	0		20
1,2-Dichloroethane	90		87		70-130	3		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	97		95		67-130	2		20
trans-1,3-Dichloropropene	84		81		70-130	4		20
cis-1,3-Dichloropropene	80		79		70-130	1		20
1,1-Dichloropropene	91		91		70-130	0		20
Bromoform	74		75		54-136	1		20
1,1,2,2-Tetrachloroethane	72		75		67-130	4		20
Benzene	97		95		70-130	2		20
Toluene	93		90		70-130	3		20
Ethylbenzene	96		93		70-130	3		20
Chloromethane	88		86		64-130	2		20
Bromomethane	**37**	Q	40		39-139	8		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110911
Report Date: 03/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,04 Batch: WG1472731-3 WG1472731-4								
Vinyl chloride	96		94		55-140	2		20
Chloroethane	81		78		55-138	4		20
1,1-Dichloroethene	100		100		61-145	0		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	99		96		70-130	3		20
1,2-Dichlorobenzene	95		93		70-130	2		20
1,3-Dichlorobenzene	96		93		70-130	3		20
1,4-Dichlorobenzene	94		92		70-130	2		20
Methyl tert butyl ether	86		84		63-130	2		20
p/m-Xylene	105		100		70-130	5		20
o-Xylene	110		100		70-130	10		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Dibromomethane	96		95		70-130	1		20
1,2,3-Trichloropropane	71		72		64-130	1		20
Acrylonitrile	97		97		70-130	0		20
Styrene	110		100		70-130	10		20
Dichlorodifluoromethane	110		110		36-147	0		20
Acetone	92		92		58-148	0		20
Carbon disulfide	130		130		51-130	0		20
2-Butanone	87		88		63-138	1		20
Vinyl acetate	73		72		70-130	1		20
4-Methyl-2-pentanone	63		62		59-130	2		20
2-Hexanone	61		62		57-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110911
Report Date: 03/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,04 Batch: WG1472731-3 WG1472731-4								
Bromochloromethane	110		110		70-130	0		20
2,2-Dichloropropane	120		110		63-133	9		20
1,2-Dibromoethane	82		78		70-130	5		20
1,3-Dichloropropane	90		88		70-130	2		20
1,1,1,2-Tetrachloroethane	84		80		64-130	5		20
Bromobenzene	86		88		70-130	2		20
n-Butylbenzene	94		94		53-136	0		20
sec-Butylbenzene	99		95		70-130	4		20
tert-Butylbenzene	84		81		70-130	4		20
o-Chlorotoluene	92		89		70-130	3		20
p-Chlorotoluene	92		90		70-130	2		20
1,2-Dibromo-3-chloropropane	83		83		41-144	0		20
Hexachlorobutadiene	110		110		63-130	0		20
Isopropylbenzene	90		86		70-130	5		20
p-Isopropyltoluene	96		95		70-130	1		20
Naphthalene	97		99		70-130	2		20
n-Propylbenzene	95		90		69-130	5		20
1,2,3-Trichlorobenzene	100		100		70-130	0		20
1,2,4-Trichlorobenzene	97		99		70-130	2		20
1,3,5-Trimethylbenzene	88		87		64-130	1		20
1,2,4-Trimethylbenzene	87		87		70-130	0		20
1,4-Dioxane	90		90		56-162	0		20
p-Diethylbenzene	86		87		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110911
Report Date: 03/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,04 Batch: WG1472731-3 WG1472731-4								
p-Ethyltoluene	96		92		70-130	4		20
1,2,4,5-Tetramethylbenzene	89		90		70-130	1		20
Ethyl ether	98		98		59-134	0		20
trans-1,4-Dichloro-2-butene	**62**	Q	**63**	Q	70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	92		91		70-130
Toluene-d8	91		91		70-130
4-Bromofluorobenzene	82		84		70-130
Dibromofluoromethane	100		99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110911
Report Date: 03/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1473232-3 WG1473232-4								
Methylene chloride	94		97		70-130	3		20
1,1-Dichloroethane	94		98		70-130	4		20
Chloroform	94		98		70-130	4		20
Carbon tetrachloride	94		98		63-132	4		20
1,2-Dichloropropane	89		91		70-130	2		20
Dibromochloromethane	86		82		63-130	5		20
1,1,2-Trichloroethane	86		80		70-130	7		20
Tetrachloroethene	93		91		70-130	2		20
Chlorobenzene	92		91		75-130	1		20
Trichlorofluoromethane	99		100		62-150	1		20
1,2-Dichloroethane	85		88		70-130	3		20
1,1,1-Trichloroethane	96		100		67-130	4		20
Bromodichloromethane	91		95		67-130	4		20
trans-1,3-Dichloropropene	90		85		70-130	6		20
cis-1,3-Dichloropropene	79		81		70-130	3		20
1,1-Dichloropropene	89		93		70-130	4		20
Bromoform	82		78		54-136	5		20
1,1,2,2-Tetrachloroethane	78		78		67-130	0		20
Benzene	96		96		70-130	0		20
Toluene	94		92		70-130	2		20
Ethylbenzene	96		94		70-130	2		20
Chloromethane	89		93		64-130	4		20
Bromomethane	53		57		39-139	7		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110911
Report Date: 03/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1473232-3 WG1473232-4								
Vinyl chloride	96		98		55-140	2		20
Chloroethane	78		80		55-138	3		20
1,1-Dichloroethene	100		100		61-145	0		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	96		97		70-130	1		20
1,2-Dichlorobenzene	95		94		70-130	1		20
1,3-Dichlorobenzene	95		96		70-130	1		20
1,4-Dichlorobenzene	94		93		70-130	1		20
Methyl tert butyl ether	85		85		63-130	0		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	105		105		70-130	0		20
cis-1,2-Dichloroethene	97		100		70-130	3		20
Dibromomethane	90		91		70-130	1		20
1,2,3-Trichloropropane	76		74		64-130	3		20
Acrylonitrile	93		94		70-130	1		20
Styrene	105		105		70-130	0		20
Dichlorodifluoromethane	100		100		36-147	0		20
Acetone	91		90		58-148	1		20
Carbon disulfide	120		120		51-130	0		20
2-Butanone	87		86		63-138	1		20
Vinyl acetate	75		74		70-130	1		20
4-Methyl-2-pentanone	67		63		59-130	6		20
2-Hexanone	60		64		57-130	6		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110911
Report Date: 03/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1473232-3 WG1473232-4								
Bromochloromethane	100		100		70-130	0		20
2,2-Dichloropropane	110		120		63-133	9		20
1,2-Dibromoethane	85		80		70-130	6		20
1,3-Dichloropropane	95		92		70-130	3		20
1,1,1,2-Tetrachloroethane	87		82		64-130	6		20
Bromobenzene	88		89		70-130	1		20
n-Butylbenzene	96		96		53-136	0		20
sec-Butylbenzene	100		100		70-130	0		20
tert-Butylbenzene	85		84		70-130	1		20
o-Chlorotoluene	93		92		70-130	1		20
p-Chlorotoluene	94		94		70-130	0		20
1,2-Dibromo-3-chloropropane	83		80		41-144	4		20
Hexachlorobutadiene	110		110		63-130	0		20
Isopropylbenzene	92		89		70-130	3		20
p-Isopropyltoluene	96		97		70-130	1		20
Naphthalene	96		97		70-130	1		20
n-Propylbenzene	97		94		69-130	3		20
1,2,3-Trichlorobenzene	100		100		70-130	0		20
1,2,4-Trichlorobenzene	97		97		70-130	0		20
1,3,5-Trimethylbenzene	89		89		64-130	0		20
1,2,4-Trimethylbenzene	89		89		70-130	0		20
1,4-Dioxane	98		98		56-162	0		20
p-Diethylbenzene	86		87		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110911
Report Date: 03/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1473232-3 WG1473232-4								
p-Ethyltoluene	97		95		70-130	2		20
1,2,4,5-Tetramethylbenzene	91		92		70-130	1		20
Ethyl ether	93		98		59-134	5		20
trans-1,4-Dichloro-2-butene	76		73		70-130	4		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	88		88		70-130
Toluene-d8	93		92		70-130
4-Bromofluorobenzene	85		85		70-130
Dibromofluoromethane	92		95		70-130

SEMIVOLATILES

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2110911
Report Date: 03/11/21

SAMPLE RESULTS

Lab ID: L2110911-01
Client ID: MW-3
Sample Location: BRONX, NY

Date Collected: 03/04/21 13:00
Date Received: 03/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 03/09/21 18:04
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 03/09/21 04:27

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: 2921 WESTCHESTER AVENUE **Lab Number:** L2110911

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/11/21

SAMPLE RESULTS

Lab ID: L2110911-01 Date Collected: 03/04/21 13:00

Client ID: MW-3 Date Received: 03/04/21

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	48		21-120
Phenol-d6	40		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	60		15-120
2,4,6-Tribromophenol	47		10-120
4-Terphenyl-d14	54		41-149

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2110911
Report Date: 03/11/21

SAMPLE RESULTS

Lab ID: L2110911-01
Client ID: MW-3
Sample Location: BRONX, NY

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 03/09/21 11:16
Analyst: PS

Date Collected: 03/04/21 13:00
Date Received: 03/04/21
Field Prep: Not Specified

Extraction Method: EPA 3510C
Extraction Date: 03/06/21 08:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	139	31.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	28		15-110

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2110911
Report Date: 03/11/21

SAMPLE RESULTS

Lab ID: L2110911-01
Client ID: MW-3
Sample Location: BRONX, NY

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 03/09/21 21:14
Analyst: DV

Date Collected: 03/04/21 13:00
Date Received: 03/04/21
Field Prep: Not Specified

Extraction Method: EPA 3510C
Extraction Date: 03/09/21 04:27

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.05	J	ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	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	ND		ug/l	0.10	0.01	1
Phenanthrene	0.07	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	0.04	J	ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	0.16	J	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: 2921 WESTCHESTER AVENUE **Lab Number:** L2110911

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/11/21

SAMPLE RESULTS

Lab ID: L2110911-01 Date Collected: 03/04/21 13:00

Client ID: MW-3 Date Received: 03/04/21

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	35		21-120
Phenol-d6	46		10-120
Nitrobenzene-d5	95		23-120
2-Fluorobiphenyl	85		15-120
2,4,6-Tribromophenol	59		10-120
4-Terphenyl-d14	76		41-149

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2110911
Report Date: 03/11/21

SAMPLE RESULTS

Lab ID: L2110911-01
Client ID: MW-3
Sample Location: BRONX, NY

Date Collected: 03/04/21 13:00
Date Received: 03/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 03/10/21 04:26
Analyst: HT

Extraction Method: ALPHA 23528
Extraction Date: 03/09/21 08:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	26.2		ng/l	1.89	0.386	1
Perfluoropentanoic Acid (PFPeA)	35.2		ng/l	1.89	0.375	1
Perfluorobutanesulfonic Acid (PFBS)	18.3		ng/l	1.89	0.225	1
Perfluorohexanoic Acid (PFHxA)	60.9		ng/l	1.89	0.311	1
Perfluoroheptanoic Acid (PFHpA)	80.6		ng/l	1.89	0.213	1
Perfluorohexanesulfonic Acid (PFHxS)	5.39		ng/l	1.89	0.356	1
Perfluorooctanoic Acid (PFOA)	447		ng/l	1.89	0.223	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.89	1.26	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.924	J	ng/l	1.89	0.652	1
Perfluorononanoic Acid (PFNA)	38.4		ng/l	1.89	0.295	1
Perfluorooctanesulfonic Acid (PFOS)	47.0		ng/l	1.89	0.477	1
Perfluorodecanoic Acid (PFDA)	7.49		ng/l	1.89	0.288	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.89	1.15	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.89	0.614	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.89	0.246	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.89	0.928	1
Perfluorooctanesulfonamide (FOSA)	0.746	JF	ng/l	1.89	0.549	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.89	0.761	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.89	0.352	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.89	0.310	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.89	0.235	1
PFOA/PFOS, Total	494		ng/l	1.89	0.223	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2110911

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/11/21

SAMPLE RESULTS

Lab ID: L2110911-01 Date Collected: 03/04/21 13:00

Client ID: MW-3 Date Received: 03/04/21

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 (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	82		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	70		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	96		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	68		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	84		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	106		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	81		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**189**	Q	14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	87		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	97		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	87		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	149		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	75		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	89		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	16		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	77		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	80		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	79		22-136

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2110911
Report Date: 03/11/21

SAMPLE RESULTS

Lab ID: L2110911-02
Client ID: MW-4
Sample Location: BRONX, NY

Date Collected: 03/04/21 12:20
Date Received: 03/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 03/09/21 18:27
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 03/09/21 04:27

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: 2921 WESTCHESTER AVENUE **Lab Number:** L2110911

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/11/21

SAMPLE RESULTS

Lab ID: L2110911-02 Date Collected: 03/04/21 12:20

Client ID: MW-4 Date Received: 03/04/21

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	56		21-120
Phenol-d6	45		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	66		15-120
2,4,6-Tribromophenol	54		10-120
4-Terphenyl-d14	63		41-149

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2110911
Report Date: 03/11/21

SAMPLE RESULTS

Lab ID: L2110911-02
Client ID: MW-4
Sample Location: BRONX, NY

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 03/09/21 11:46
Analyst: PS

Date Collected: 03/04/21 12:20
Date Received: 03/04/21
Field Prep: Not Specified

Extraction Method: EPA 3510C
Extraction Date: 03/06/21 08:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	139	31.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	30		15-110

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2110911
Report Date: 03/11/21

SAMPLE RESULTS

Lab ID: L2110911-02
Client ID: MW-4
Sample Location: BRONX, NY

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 03/10/21 14:56
Analyst: DV

Date Collected: 03/04/21 12:20
Date Received: 03/04/21
Field Prep: Not Specified

Extraction Method: EPA 3510C
Extraction Date: 03/09/21 04:27

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	ND		ug/l	0.10	0.01	1
Phenanthrene	0.09	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	0.26	J	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: 2921 WESTCHESTER AVENUE **Lab Number:** L2110911

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/11/21

SAMPLE RESULTS

Lab ID: L2110911-02 Date Collected: 03/04/21 12:20

Client ID: MW-4 Date Received: 03/04/21

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	44		21-120
Phenol-d6	48		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	61		15-120
2,4,6-Tribromophenol	52		10-120
4-Terphenyl-d14	65		41-149

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2110911
Report Date: 03/11/21

SAMPLE RESULTS

Lab ID: L2110911-02
Client ID: MW-4
Sample Location: BRONX, NY

Date Collected: 03/04/21 12:20
Date Received: 03/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 03/10/21 04:43
Analyst: HT

Extraction Method: ALPHA 23528
Extraction Date: 03/09/21 08:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	25.1		ng/l	1.90	0.388	1
Perfluoropentanoic Acid (PFPeA)	26.5		ng/l	1.90	0.376	1
Perfluorobutanesulfonic Acid (PFBS)	23.9		ng/l	1.90	0.226	1
Perfluorohexanoic Acid (PFHxA)	33.3		ng/l	1.90	0.312	1
Perfluoroheptanoic Acid (PFHpA)	22.7		ng/l	1.90	0.214	1
Perfluorohexanesulfonic Acid (PFHxS)	4.67		ng/l	1.90	0.357	1
Perfluorooctanoic Acid (PFOA)	91.7		ng/l	1.90	0.224	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.90	1.27	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.836	J	ng/l	1.90	0.654	1
Perfluorononanoic Acid (PFNA)	22.1		ng/l	1.90	0.296	1
Perfluorooctanesulfonic Acid (PFOS)	35.2		ng/l	1.90	0.479	1
Perfluorodecanoic Acid (PFDA)	2.79		ng/l	1.90	0.289	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.90	1.15	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.90	0.616	1
Perfluoroundecanoic Acid (PFUnA)	0.791	J	ng/l	1.90	0.247	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.90	0.932	1
Perfluorooctanesulfonamide (FOSA)	0.901	JF	ng/l	1.90	0.551	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	1.29	JF	ng/l	1.90	0.764	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.90	0.354	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.90	0.311	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.90	0.236	1
PFOA/PFOS, Total	127		ng/l	1.90	0.224	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2110911

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/11/21

SAMPLE RESULTS

Lab ID: L2110911-02 Date Collected: 03/04/21 12:20

Client ID: MW-4 Date Received: 03/04/21

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 (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	78		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	64		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	86		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**55**	Q	57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	73		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	98		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	81		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**191**	Q	14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	74		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	92		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	86		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	126		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	75		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	88		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	14		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	76		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	86		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	81		22-136

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2110911
Report Date: 03/11/21

SAMPLE RESULTS

Lab ID: L2110911-04
Client ID: MW-6
Sample Location: BRONX, NY

Date Collected: 03/04/21 14:30
Date Received: 03/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 03/10/21 20:26
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 03/09/21 08:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	17	1.7	1
Bis(2-chloroethyl)ether	ND		ug/l	6.9	1.7	1
1,2-Dichlorobenzene	ND		ug/l	6.9	1.6	1
1,3-Dichlorobenzene	ND		ug/l	6.9	1.4	1
1,4-Dichlorobenzene	ND		ug/l	6.9	1.5	1
3,3'-Dichlorobenzidine	ND		ug/l	17	5.6	1
2,4-Dinitrotoluene	ND		ug/l	17	4.0	1
2,6-Dinitrotoluene	ND		ug/l	17	3.2	1
4-Chlorophenyl phenyl ether	ND		ug/l	6.9	1.7	1
4-Bromophenyl phenyl ether	ND		ug/l	6.9	1.3	1
Bis(2-chloroisopropyl)ether	ND		ug/l	6.9	1.8	1
Bis(2-chloroethoxy)methane	ND		ug/l	17	1.7	1
Hexachlorocyclopentadiene	ND		ug/l	69	2.4	1
Isophorone	ND		ug/l	17	4.1	1
Nitrobenzene	ND		ug/l	6.9	2.6	1
NDPA/DPA	ND		ug/l	6.9	1.4	1
n-Nitrosodi-n-propylamine	ND		ug/l	17	2.2	1
Bis(2-ethylhexyl)phthalate	11.		ug/l	10	5.3	1
Butyl benzyl phthalate	7.1	J	ug/l	17	4.0	1
Di-n-butylphthalate	ND		ug/l	17	1.3	1
Di-n-octylphthalate	ND		ug/l	17	4.4	1
Diethyl phthalate	ND		ug/l	17	1.3	1
Dimethyl phthalate	ND		ug/l	17	6.2	1
Biphenyl	ND		ug/l	6.9	1.6	1
4-Chloroaniline	ND		ug/l	17	3.7	1
2-Nitroaniline	ND		ug/l	17	1.7	1
3-Nitroaniline	ND		ug/l	17	2.8	1
4-Nitroaniline	ND		ug/l	17	2.8	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2110911

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/11/21

SAMPLE RESULTS

Lab ID: L2110911-04 Date Collected: 03/04/21 14:30

Client ID: MW-6 Date Received: 03/04/21

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	6.9	1.7	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	34	1.5	1
Acetophenone	1.8	J	ug/l	17	1.8	1
2,4,6-Trichlorophenol	ND		ug/l	17	2.1	1
p-Chloro-m-cresol	ND		ug/l	6.9	1.2	1
2-Chlorophenol	ND		ug/l	6.9	1.6	1
2,4-Dichlorophenol	ND		ug/l	17	1.4	1
2,4-Dimethylphenol	ND		ug/l	17	6.1	1
2-Nitrophenol	ND		ug/l	34	2.9	1
4-Nitrophenol	ND		ug/l	34	2.3	1
2,4-Dinitrophenol	ND		ug/l	69	23.	1
4,6-Dinitro-o-cresol	ND		ug/l	34	6.2	1
Phenol	ND		ug/l	17	2.0	1
2-Methylphenol	ND		ug/l	17	1.7	1
3-Methylphenol/4-Methylphenol	ND		ug/l	17	1.6	1
2,4,5-Trichlorophenol	ND		ug/l	17	2.7	1
Benzoic Acid	ND		ug/l	170	9.1	1
Benzyl Alcohol	ND		ug/l	6.9	2.0	1
Carbazole	ND		ug/l	6.9	1.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		21-120
Phenol-d6	57		10-120
Nitrobenzene-d5	92		23-120
2-Fluorobiphenyl	85		15-120
2,4,6-Tribromophenol	92		10-120
4-Terphenyl-d14	81		41-149

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2110911
Report Date: 03/11/21

SAMPLE RESULTS

Lab ID: L2110911-04
Client ID: MW-6
Sample Location: BRONX, NY

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 03/10/21 11:24
Analyst: DV

Date Collected: 03/04/21 14:30
Date Received: 03/04/21
Field Prep: Not Specified

Extraction Method: EPA 3510C
Extraction Date: 03/09/21 08:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.34	0.05	1
2-Chloronaphthalene	ND		ug/l	0.69	0.06	1
Fluoranthene	0.33	J	ug/l	0.34	0.07	1
Hexachlorobutadiene	ND		ug/l	1.7	0.16	1
Naphthalene	ND		ug/l	0.34	0.17	1
Benzo(a)anthracene	0.10	J	ug/l	0.34	0.07	1
Benzo(a)pyrene	0.10	J	ug/l	0.34	0.05	1
Benzo(b)fluoranthene	0.16	J	ug/l	0.34	0.04	1
Benzo(k)fluoranthene	0.04	J	ug/l	0.34	0.03	1
Chrysene	0.14	J	ug/l	0.34	0.04	1
Acenaphthylene	ND		ug/l	0.34	0.04	1
Anthracene	ND		ug/l	0.34	0.05	1
Benzo(ghi)perylene	0.08	J	ug/l	0.34	0.05	1
Fluorene	ND		ug/l	0.34	0.05	1
Phenanthrene	0.27	J	ug/l	0.34	0.08	1
Dibenzo(a,h)anthracene	ND		ug/l	0.34	0.04	1
Indeno(1,2,3-cd)pyrene	0.09	J	ug/l	0.34	0.04	1
Pyrene	0.27	J	ug/l	0.34	0.07	1
2-Methylnaphthalene	ND		ug/l	0.34	0.08	1
Pentachlorophenol	ND		ug/l	2.8	0.05	1
Hexachlorobenzene	ND		ug/l	2.8	0.03	1
Hexachloroethane	ND		ug/l	2.8	0.22	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2110911

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/11/21

SAMPLE RESULTS

Lab ID: L2110911-04 Date Collected: 03/04/21 14:30

Client ID: MW-6 Date Received: 03/04/21

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	**14**	Q	21-120
Phenol-d6	12		10-120
Nitrobenzene-d5	**17**	Q	23-120
2-Fluorobiphenyl	19		15-120
2,4,6-Tribromophenol	24		10-120
4-Terphenyl-d14	**21**	Q	41-149

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110911
Report Date: 03/11/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 03/08/21 23:05
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 03/06/21 08:00

Parameter	Result	Qualifier	Units	RL	MDL
1,4 Dioxane by 8270D-SIM - Mansfield Lab for sample(s): 01-02 Batch: WG1471433-1					
1,4-Dioxane	ND		ng/l	150	33.9

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	34		15-110

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110911
Report Date: 03/11/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/09/21 15:42
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 03/09/21 04:27

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,04 Batch: WG1472129-1					
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: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110911
Report Date: 03/11/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/09/21 15:42
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 03/09/21 04:27

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,04 Batch: WG1472129-1					
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: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110911
Report Date: 03/11/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/09/21 15:42
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 03/09/21 04:27

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,04 Batch: WG1472129-1					
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Pentachlorophenol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.59
Carbazole	ND		ug/l	2.0	0.49

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		21-120
Phenol-d6	45		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	62		10-120
4-Terphenyl-d14	66		41-149

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110911
Report Date: 03/11/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 03/09/21 19:59
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 03/09/21 04:27

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-02,04 Batch: WG1472130-1					
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: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110911
Report Date: 03/11/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 03/09/21 19:59
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 03/09/21 04:27

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-02,04 Batch: WG1472130-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	39		21-120
Phenol-d6	53		10-120
Nitrobenzene-d5	98		23-120
2-Fluorobiphenyl	92		15-120
2,4,6-Tribromophenol	91		10-120
4-Terphenyl-d14	93		41-149

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110911
Report Date: 03/11/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 03/10/21 02:14
Analyst: HT

Extraction Method: ALPHA 23528
Extraction Date: 03/09/21 08:43

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-02 Batch: WG1472189-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.22	0.453
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.22	0.440
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.22	0.264
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.22	0.364
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.22	0.250
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.22	0.418
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.22	0.262
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.22	1.48
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.22	0.764
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.22	0.347
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.22	0.560
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.22	0.338
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.22	1.35
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.22	0.720
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.22	0.289
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.22	1.09
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.22	0.644
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.22	0.893
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.22	0.413
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.22	0.364
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.22	0.276
PFOA/PFOS, Total	ND		ng/l	2.22	0.262

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110911
Report Date: 03/11/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 03/10/21 02:14
Analyst: HT

Extraction Method: ALPHA 23528
Extraction Date: 03/09/21 08:43

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-02 Batch: WG1472189-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	93		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	84		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	95		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	79		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	86		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	100		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	91		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	124		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	85		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	96		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	94		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	135		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	91		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	106		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	43		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	100		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	105		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	96		22-136

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110911

Report Date: 03/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270D-SIM - Mansfield Lab Associated sample(s): 01-02 Batch: WG1471433-2 WG1471433-3								
1,4-Dioxane	113		112		40-140	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,4-Dioxane-d8	29		32		15-110

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110911
Report Date: 03/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,04 Batch: WG1472129-2 WG1472129-3								
Acenaphthene	60		62		37-111	3		30
1,2,4-Trichlorobenzene	62		58		39-98	7		30
Hexachlorobenzene	62		63		40-140	2		30
Bis(2-chloroethyl)ether	62		59		40-140	5		30
2-Chloronaphthalene	61		61		40-140	0		30
1,2-Dichlorobenzene	60		58		40-140	3		30
1,3-Dichlorobenzene	59		57		40-140	3		30
1,4-Dichlorobenzene	60		57		36-97	5		30
3,3'-Dichlorobenzidine	63		64		40-140	2		30
2,4-Dinitrotoluene	68		74		48-143	8		30
2,6-Dinitrotoluene	71		73		40-140	3		30
Fluoranthene	62		66		40-140	6		30
4-Chlorophenyl phenyl ether	60		64		40-140	6		30
4-Bromophenyl phenyl ether	61		66		40-140	8		30
Bis(2-chloroisopropyl)ether	56		53		40-140	6		30
Bis(2-chloroethoxy)methane	64		61		40-140	5		30
Hexachlorobutadiene	66		64		40-140	3		30
Hexachlorocyclopentadiene	75		73		40-140	3		30
Hexachloroethane	61		60		40-140	2		30
Isophorone	64		61		40-140	5		30
Naphthalene	61		59		40-140	3		30
Nitrobenzene	68		66		40-140	3		30
NDPA/DPA	60		62		40-140	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110911
Report Date: 03/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,04 Batch: WG1472129-2 WG1472129-3								
n-Nitrosodi-n-propylamine	65		64		29-132	2		30
Bis(2-ethylhexyl)phthalate	71		75		40-140	5		30
Butyl benzyl phthalate	71		74		40-140	4		30
Di-n-butylphthalate	61		64		40-140	5		30
Di-n-octylphthalate	74		77		40-140	4		30
Diethyl phthalate	60		64		40-140	6		30
Dimethyl phthalate	64		67		40-140	5		30
Benzo(a)anthracene	71		76		40-140	7		30
Benzo(a)pyrene	74		80		40-140	8		30
Benzo(b)fluoranthene	73		78		40-140	7		30
Benzo(k)fluoranthene	65		70		40-140	7		30
Chrysene	66		69		40-140	4		30
Acenaphthylene	67		69		45-123	3		30
Anthracene	67		69		40-140	3		30
Benzo(ghi)perylene	68		72		40-140	6		30
Fluorene	61		62		40-140	2		30
Phenanthrene	64		66		40-140	3		30
Dibenzo(a,h)anthracene	67		71		40-140	6		30
Indeno(1,2,3-cd)pyrene	66		70		40-140	6		30
Pyrene	61		64		26-127	5		30
Biphenyl	65		66		40-140	2		30
4-Chloroaniline	43		40		40-140	7		30
2-Nitroaniline	75		76		52-143	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110911
Report Date: 03/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,04 Batch: WG1472129-2 WG1472129-3								
3-Nitroaniline	54		56		25-145	4		30
4-Nitroaniline	59		65		51-143	10		30
Dibenzofuran	62		62		40-140	0		30
2-Methylnaphthalene	63		64		40-140	2		30
1,2,4,5-Tetrachlorobenzene	67		67		2-134	0		30
Acetophenone	62		59		39-129	5		30
2,4,6-Trichlorophenol	75		73		30-130	3		30
p-Chloro-m-cresol	66		74		23-97	11		30
2-Chlorophenol	64		62		27-123	3		30
2,4-Dichlorophenol	69		66		30-130	4		30
2,4-Dimethylphenol	68		67		30-130	1		30
2-Nitrophenol	90		86		30-130	5		30
4-Nitrophenol	53		59		10-80	11		30
2,4-Dinitrophenol	87		89		20-130	2		30
4,6-Dinitro-o-cresol	80		86		20-164	7		30
Pentachlorophenol	76		76		9-103	0		30
Phenol	50		50		12-110	0		30
2-Methylphenol	64		61		30-130	5		30
3-Methylphenol/4-Methylphenol	67		65		30-130	3		30
2,4,5-Trichlorophenol	67		72		30-130	7		30
Benzoic Acid	57		64		10-164	12		30
Benzyl Alcohol	61		58		26-116	5		30
Carbazole	63		66		55-144	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110911

Report Date: 03/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,04 Batch: WG1472129-2 WG1472129-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	61		60		21-120
Phenol-d6	50		52		10-120
Nitrobenzene-d5	72		68		23-120
2-Fluorobiphenyl	66		68		15-120
2,4,6-Tribromophenol	72		73		10-120
4-Terphenyl-d14	57		60		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110911
Report Date: 03/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-02,04 Batch: WG1472130-2 WG1472130-3								
Acenaphthene	68		72		40-140	6		40
2-Chloronaphthalene	82		89		40-140	8		40
Fluoranthene	91		98		40-140	7		40
Hexachlorobutadiene	81		85		40-140	5		40
Naphthalene	69		73		40-140	6		40
Benzo(a)anthracene	76		84		40-140	10		40
Benzo(a)pyrene	98		105		40-140	7		40
Benzo(b)fluoranthene	78		80		40-140	3		40
Benzo(k)fluoranthene	99		106		40-140	7		40
Chrysene	90		89		40-140	1		40
Acenaphthylene	94		101		40-140	7		40
Anthracene	89		95		40-140	7		40
Benzo(ghi)perylene	79		82		40-140	4		40
Fluorene	77		82		40-140	6		40
Phenanthrene	72		76		40-140	5		40
Dibenzo(a,h)anthracene	86		90		40-140	5		40
Indeno(1,2,3-cd)pyrene	79		81		40-140	3		40
Pyrene	93		100		40-140	7		40
2-Methylnaphthalene	75		80		40-140	6		40
Pentachlorophenol	87		91		40-140	4		40
Hexachlorobenzene	70		76		40-140	8		40
Hexachloroethane	92		96		40-140	4		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110911

Report Date: 03/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-02,04 Batch: WG1472130-2 WG1472130-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	50		46		21-120
Phenol-d6	55		55		10-120
Nitrobenzene-d5	112		116		23-120
2-Fluorobiphenyl	92		98		15-120
2,4,6-Tribromophenol	102		98		10-120
4-Terphenyl-d14	90		96		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE
Lab Number: L2110911
Report Date: 03/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02 Batch: WG1472189-2								
Perfluorobutanoic Acid (PFBA)	113		-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	115		-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	112		-		65-157	-		30
Perfluorohexanoic Acid (PFHxA)	113		-		69-168	-		30
Perfluoroheptanoic Acid (PFHpA)	109		-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	108		-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	110		-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	115		-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	118		-		61-179	-		30
Perfluorononanoic Acid (PFNA)	126		-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	116		-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	114		-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	120		-		56-173	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	111		-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	110		-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	124		-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	113		-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	113		-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	109		-		67-153	-		30
Perfluorotridecanoic Acid (PFTrDA)	111		-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	114		-		59-182	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110911

Report Date: 03/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02 Batch: WG1472189-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	91				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	81				62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	94				70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	78				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	86				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	98				71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	90				62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	130				14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	80				59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	92				69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	91				62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	132				10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	101				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	94				55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	40				10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	96				27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	103				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	94				22-136

Matrix Spike Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110911

Report Date: 03/11/21

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): 01-02 QC Batch ID: WG1472189-3 WG1472189-4 QC Sample: L2111202-01 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	14.3	39.8	57.1	107		57.8	111		67-148	1		30
Perfluoropentanoic Acid (PFPeA)	46.0	39.8	90.2	111		91.2	115		63-161	1		30
Perfluorobutanesulfonic Acid (PFBS)	2.42	35.4	40.3	107		40.7	110		65-157	1		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	37.3	42.0	113		43.2	118		37-219	3		30
Perfluorohexanoic Acid (PFHxA)	26.8	39.8	71.3	112		71.8	115		69-168	1		30
Perfluoropentanesulfonic Acid (PFPeS)	0.676J	37.4	36.7	96		36.8	98		52-156	0		30
Perfluoroheptanoic Acid (PFHpA)	20.8	39.8	63.1	106		62.8	107		58-159	0		30
Perfluorohexanesulfonic Acid (PFHxS)	3.58	36.4	41.6	104		41.7	106		69-177	0		30
Perfluorooctanoic Acid (PFOA)	17.6	39.8	61.1	109		61.1	111		63-159	0		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	22.2	37.9	64.5	112		66.6	119		49-187	3		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	37.9	43.6	115		45.1	121		61-179	3		30
Perfluorononanoic Acid (PFNA)	350	39.8	395	113		398	122		68-171	1		30
Perfluorooctanesulfonic Acid (PFOS)	8.26	37	49.2	111		50.0	115		52-151	2		30
Perfluorodecanoic Acid (PFDA)	2.86	39.8	46.1	109		47.3	113		63-171	3		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	7.18	38.2	48.8	109		50.6	115		56-173	4		30
Perfluorononanesulfonic Acid (PFNS)	ND	38.3	42.0	110		43.2	115		48-150	3		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	39.8	47.3	119		43.3	110		60-166	9		30
Perfluoroundecanoic Acid (PFUnA)	28.9	39.8	71.4	107		75.4	119		60-153	5		30
Perfluorodecanesulfonic Acid (PFDS)	ND	38.4	42.0	109		44.1	117		38-156	5		30
Perfluorooctanesulfonamide (FOSA)	ND	39.8	43.9F	110		44.4	113		46-170	1		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	39.8	41.6	104		46.3	118		45-170	11		30
Perfluorododecanoic Acid (PFDoA)	ND	39.8	41.1	103		42.9	109		67-153	4		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110911

Report Date: 03/11/21

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): 01-02 QC Batch ID: WG1472189-3 WG1472189-4 QC Sample: L2111202-01 Client ID: MS Sample												
Perfluorotridecanoic Acid (PFTrDA)	ND	39.8	45.2	113		47.4	121		48-158	5		30
Perfluorotetradecanoic Acid (PFTA)	ND	39.8	45.0	113		42.4	108		59-182	6		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	117		118		10-162
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	125		129		12-142
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	126		128		14-147
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	103		96		27-126
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	95		105		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	96		89		55-137
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	86		83		62-124
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	62		58		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	75		72		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	104		103		71-134
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	90		90		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	92		91		22-136
Perfluoro[13C4]Butanoic Acid (MPFBA)	78		74		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	82		79		62-163
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	14		18		10-112
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	97		95		69-131
Perfluoro[13C8]Octanoic Acid (M8PFOA)	82		79		62-129
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	71		67		59-139
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	94		93		70-131

PCBS

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2110911
Report Date: 03/11/21

SAMPLE RESULTS

Lab ID: L2110911-01
Client ID: MW-3
Sample Location: BRONX, NY

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 03/10/21 09:58
Analyst: JAW

Date Collected: 03/04/21 13:00
Date Received: 03/04/21
Field Prep: Not Specified

Extraction Method: EPA 3510C
Extraction Date: 03/08/21 21:28
Cleanup Method: EPA 3665A
Cleanup Date: 03/09/21
Cleanup Method: EPA 3660B
Cleanup Date: 03/10/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	136		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	133		30-150	B
Decachlorobiphenyl	90		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2110911
Report Date: 03/11/21

SAMPLE RESULTS

Lab ID: L2110911-02
Client ID: MW-4
Sample Location: BRONX, NY

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 03/10/21 10:07
Analyst: JAW

Date Collected: 03/04/21 12:20
Date Received: 03/04/21
Field Prep: Not Specified

Extraction Method: EPA 3510C
Extraction Date: 03/08/21 21:28
Cleanup Method: EPA 3665A
Cleanup Date: 03/09/21
Cleanup Method: EPA 3660B
Cleanup Date: 03/10/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**152**	Q	30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	147		30-150	B
Decachlorobiphenyl	112		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110911
Report Date: 03/11/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 03/09/21 00:19
Analyst: JM

Extraction Method: EPA 3510C
Extraction Date: 03/08/21 15:40
Cleanup Method: EPA 3665A
Cleanup Date: 03/08/21
Cleanup Method: EPA 3660B
Cleanup Date: 03/08/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-02 Batch: WG1471968-1						
Aroclor 1016	ND		ug/l	0.071	0.061	A
Aroclor 1221	ND		ug/l	0.071	0.061	A
Aroclor 1232	ND		ug/l	0.071	0.061	A
Aroclor 1242	ND		ug/l	0.071	0.061	A
Aroclor 1248	ND		ug/l	0.071	0.061	A
Aroclor 1254	ND		ug/l	0.071	0.061	A
Aroclor 1260	ND		ug/l	0.071	0.061	A
Aroclor 1262	ND		ug/l	0.071	0.061	A
Aroclor 1268	ND		ug/l	0.071	0.061	A
PCBs, Total	ND		ug/l	0.071	0.061	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	101		30-150	A
Decachlorobiphenyl	43		30-150	A
2,4,5,6-Tetrachloro-m-xylene	98		30-150	B
Decachlorobiphenyl	60		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110911

Report Date: 03/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG1471968-2 WG1471968-3									
Aroclor 1016	92		97		40-140	6		50	A
Aroclor 1260	56		57		40-140	2		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	104		102		30-150	A
Decachlorobiphenyl	41		45		30-150	A
2,4,5,6-Tetrachloro-m-xylene	101		98		30-150	B
Decachlorobiphenyl	61		66		30-150	B

PESTICIDES

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2110911
Report Date: 03/11/21

SAMPLE RESULTS

Lab ID: L2110911-01
Client ID: MW-3
Sample Location: BRONX, NY

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 03/10/21 18:59
Analyst: JJW

Date Collected: 03/04/21 13:00
Date Received: 03/04/21
Field Prep: Not Specified

Extraction Method: EPA 3510C
Extraction Date: 03/08/21 20:42

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: 2921 WESTCHESTER AVENUE **Lab Number:** L2110911

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/11/21

SAMPLE RESULTS

Lab ID: L2110911-01 Date Collected: 03/04/21 13:00

Client ID: MW-3 Date Received: 03/04/21

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	49		30-150	A
Decachlorobiphenyl	31		30-150	A
2,4,5,6-Tetrachloro-m-xylene	43		30-150	B
Decachlorobiphenyl	36		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2110911
Report Date: 03/11/21

SAMPLE RESULTS

Lab ID: L2110911-01
Client ID: MW-3
Sample Location: BRONX, NY

Date Collected: 03/04/21 13:00
Date Received: 03/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 03/07/21 15:32
Analyst: JMC

Extraction Method: EPA 8151A
Extraction Date: 03/06/21 08:24

Methylation Date: 03/07/21 06:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	73		30-150	A
DCAA	65		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2110911
Report Date: 03/11/21

SAMPLE RESULTS

Lab ID: L2110911-02
Client ID: MW-4
Sample Location: BRONX, NY

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 03/10/21 19:10
Analyst: JJW

Date Collected: 03/04/21 12:20
Date Received: 03/04/21
Field Prep: Not Specified

Extraction Method: EPA 3510C
Extraction Date: 03/08/21 20:42

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: 2921 WESTCHESTER AVENUE **Lab Number:** L2110911

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/11/21

SAMPLE RESULTS

Lab ID: L2110911-02 Date Collected: 03/04/21 12:20

Client ID: MW-4 Date Received: 03/04/21

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	55		30-150	A
Decachlorobiphenyl	45		30-150	A
2,4,5,6-Tetrachloro-m-xylene	51		30-150	B
Decachlorobiphenyl	48		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2110911
Report Date: 03/11/21

SAMPLE RESULTS

Lab ID: L2110911-02
Client ID: MW-4
Sample Location: BRONX, NY

Date Collected: 03/04/21 12:20
Date Received: 03/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 03/07/21 15:50
Analyst: JMC

Extraction Method: EPA 8151A
Extraction Date: 03/06/21 08:24

Methylation Date: 03/07/21 06:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	74		30-150	A
DCAA	67		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110911
Report Date: 03/11/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 03/07/21 14:38
Analyst: JMC

Extraction Method: EPA 8151A
Extraction Date: 03/06/21 08:24

Methylation Date: 03/07/21 06:21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-02 Batch: WG1471435-1						
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	62		30-150	A
DCAA	57		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110911
Report Date: 03/11/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 03/09/21 11:17
Analyst: SDC

Extraction Method: EPA 3510C
Extraction Date: 03/08/21 15:40

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-02 Batch: WG1471967-1						
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: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110911
Report Date: 03/11/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 03/09/21 11:17
Analyst: SDC

Extraction Method: EPA 3510C
Extraction Date: 03/08/21 15:40

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-02 Batch: WG1471967-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	47		30-150	A
Decachlorobiphenyl	36		30-150	A
2,4,5,6-Tetrachloro-m-xylene	45		30-150	B
Decachlorobiphenyl	47		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110911

Report Date: 03/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG1471435-2 WG1471435-3									
2,4-D	69		71		30-150	3		25	A
2,4,5-T	66		68		30-150	3		25	A
2,4,5-TP (Silvex)	69		72		30-150	4		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	75		76		30-150	A
DCAA	69		72		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110911
Report Date: 03/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG1471967-2 WG1471967-3									
Delta-BHC	36		38		30-150	5		20	A
Lindane	43		44		30-150	3		20	A
Alpha-BHC	46		47		30-150	1		20	A
Beta-BHC	49		50		30-150	1		20	A
Heptachlor	38		40		30-150	4		20	A
Aldrin	37		40		30-150	7		20	A
Heptachlor epoxide	37		40		30-150	7		20	A
Endrin	36		41		30-150	12		20	A
Endrin aldehyde	37		41		30-150	11		20	A
Endrin ketone	40		46		30-150	13		20	A
Dieldrin	37		43		30-150	15		20	A
4,4'-DDE	33		39		30-150	15		20	A
4,4'-DDD	39		43		30-150	10		20	A
4,4'-DDT	36		41		30-150	12		20	A
Endosulfan I	36		41		30-150	15		20	A
Endosulfan II	41		46		30-150	10		20	A
Endosulfan sulfate	38		43		30-150	12		20	A
Methoxychlor	41		48		30-150	14		20	A
cis-Chlordane	37		44		30-150	16		20	A
trans-Chlordane	39		45		30-150	15		20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110911

Report Date: 03/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG1471967-2 WG1471967-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	44		44		30-150	A
Decachlorobiphenyl	34		35		30-150	A
2,4,5,6-Tetrachloro-m-xylene	44		44		30-150	B
Decachlorobiphenyl	45		48		30-150	B

METALS

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE
Lab Number: L2110911
Report Date: 03/11/21

SAMPLE RESULTS

Lab ID: L2110911-01
Client ID: MW-3
Sample Location: BRONX, NY
Sample Depth:
Matrix: Water

Date Collected: 03/04/21 13:00
Date Received: 03/04/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.0618		mg/l	0.0100	0.00327	1	03/08/21 23:55	03/09/21 13:16	EPA 3005A	1,6020B	AM
Antimony, Total	0.00450		mg/l	0.00400	0.00042	1	03/08/21 23:55	03/09/21 13:16	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00207		mg/l	0.00050	0.00016	1	03/08/21 23:55	03/09/21 13:16	EPA 3005A	1,6020B	AM
Barium, Total	0.05332		mg/l	0.00050	0.00017	1	03/08/21 23:55	03/09/21 13:16	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	03/08/21 23:55	03/09/21 13:16	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	03/08/21 23:55	03/09/21 13:16	EPA 3005A	1,6020B	AM
Calcium, Total	87.8		mg/l	0.100	0.0394	1	03/08/21 23:55	03/09/21 13:16	EPA 3005A	1,6020B	AM
Chromium, Total	0.00211		mg/l	0.00100	0.00017	1	03/08/21 23:55	03/09/21 13:16	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00076		mg/l	0.00050	0.00016	1	03/08/21 23:55	03/09/21 13:16	EPA 3005A	1,6020B	AM
Copper, Total	0.00063	J	mg/l	0.00100	0.00038	1	03/08/21 23:55	03/09/21 13:16	EPA 3005A	1,6020B	AM
Iron, Total	1.50		mg/l	0.0500	0.0191	1	03/08/21 23:55	03/09/21 13:16	EPA 3005A	1,6020B	AM
Lead, Total	0.00070	J	mg/l	0.00100	0.00034	1	03/08/21 23:55	03/09/21 13:16	EPA 3005A	1,6020B	AM
Magnesium, Total	33.2		mg/l	0.0700	0.0242	1	03/08/21 23:55	03/09/21 13:16	EPA 3005A	1,6020B	AM
Manganese, Total	0.1062		mg/l	0.00100	0.00044	1	03/08/21 23:55	03/09/21 13:16	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	03/09/21 02:10	03/11/21 17:22	EPA 7470A	1,7470A	NB
Nickel, Total	0.00506		mg/l	0.00200	0.00055	1	03/08/21 23:55	03/09/21 13:16	EPA 3005A	1,6020B	AM
Potassium, Total	11.2		mg/l	0.100	0.0309	1	03/08/21 23:55	03/09/21 13:16	EPA 3005A	1,6020B	AM
Selenium, Total	0.00395	J	mg/l	0.00500	0.00173	1	03/08/21 23:55	03/09/21 13:16	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	03/08/21 23:55	03/09/21 13:16	EPA 3005A	1,6020B	AM
Sodium, Total	201.		mg/l	0.100	0.0293	1	03/08/21 23:55	03/09/21 13:16	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00100	0.00014	1	03/08/21 23:55	03/09/21 13:16	EPA 3005A	1,6020B	AM
Vanadium, Total	0.00208	J	mg/l	0.00500	0.00157	1	03/08/21 23:55	03/09/21 13:16	EPA 3005A	1,6020B	AM
Zinc, Total	0.07218		mg/l	0.01000	0.00341	1	03/08/21 23:55	03/09/21 13:16	EPA 3005A	1,6020B	AM
General Chemistry - Mansfield Lab											
Chromium, Trivalent	ND		mg/l	0.010	0.010	1		03/09/21 13:16	NA	107,-	

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE
Lab Number: L2110911
Report Date: 03/11/21

SAMPLE RESULTS

Lab ID: L2110911-01
Client ID: MW-3
Sample Location: BRONX, NY
Sample Depth:
Matrix: Water

Date Collected: 03/04/21 13:00
Date Received: 03/04/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	03/09/21 13:34	03/09/21 18:00	EPA 3005A	1,6020B	AM
Antimony, Dissolved	0.00461		mg/l	0.00400	0.00042	1	03/09/21 13:34	03/09/21 18:00	EPA 3005A	1,6020B	AM
Arsenic, Dissolved	0.00043	J	mg/l	0.00050	0.00016	1	03/09/21 13:34	03/09/21 18:00	EPA 3005A	1,6020B	AM
Barium, Dissolved	0.04856		mg/l	0.00050	0.00017	1	03/09/21 13:34	03/09/21 18:00	EPA 3005A	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	03/09/21 13:34	03/09/21 18:00	EPA 3005A	1,6020B	AM
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	03/09/21 13:34	03/09/21 18:00	EPA 3005A	1,6020B	AM
Calcium, Dissolved	86.2		mg/l	0.100	0.0394	1	03/09/21 13:34	03/09/21 18:00	EPA 3005A	1,6020B	AM
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	03/09/21 13:34	03/09/21 18:00	EPA 3005A	1,6020B	AM
Cobalt, Dissolved	0.00066		mg/l	0.00050	0.00016	1	03/09/21 13:34	03/09/21 18:00	EPA 3005A	1,6020B	AM
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	03/09/21 13:34	03/09/21 18:00	EPA 3005A	1,6020B	AM
Iron, Dissolved	ND		mg/l	0.0500	0.0191	1	03/09/21 13:34	03/09/21 18:00	EPA 3005A	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	03/09/21 13:34	03/09/21 18:00	EPA 3005A	1,6020B	AM
Magnesium, Dissolved	34.8		mg/l	0.0700	0.0242	1	03/09/21 13:34	03/09/21 18:00	EPA 3005A	1,6020B	AM
Manganese, Dissolved	0.1062		mg/l	0.00100	0.00044	1	03/09/21 13:34	03/09/21 18:00	EPA 3005A	1,6020B	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	03/09/21 15:07	03/11/21 15:16	EPA 7470A	1,7470A	EW
Nickel, Dissolved	0.00494		mg/l	0.00200	0.00055	1	03/09/21 13:34	03/09/21 18:00	EPA 3005A	1,6020B	AM
Potassium, Dissolved	10.9		mg/l	0.100	0.0309	1	03/09/21 13:34	03/09/21 18:00	EPA 3005A	1,6020B	AM
Selenium, Dissolved	0.00353	J	mg/l	0.00500	0.00173	1	03/09/21 13:34	03/09/21 18:00	EPA 3005A	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	03/09/21 13:34	03/09/21 18:00	EPA 3005A	1,6020B	AM
Sodium, Dissolved	201.		mg/l	0.100	0.0293	1	03/09/21 13:34	03/09/21 18:00	EPA 3005A	1,6020B	AM
Thallium, Dissolved	0.00034	J	mg/l	0.00100	0.00014	1	03/09/21 13:34	03/09/21 18:00	EPA 3005A	1,6020B	AM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	03/09/21 13:34	03/09/21 18:00	EPA 3005A	1,6020B	AM
Zinc, Dissolved	0.04076		mg/l	0.01000	0.00341	1	03/09/21 13:34	03/09/21 18:00	EPA 3005A	1,6020B	AM

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE
Lab Number: L2110911
Report Date: 03/11/21

SAMPLE RESULTS

Lab ID: L2110911-02
Client ID: MW-4
Sample Location: BRONX, NY
Sample Depth:
Matrix: Water

Date Collected: 03/04/21 12:20
Date Received: 03/04/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.0536		mg/l	0.0100	0.00327	1	03/08/21 23:55	03/09/21 13:21	EPA 3005A	1,6020B	AM
Antimony, Total	0.00579		mg/l	0.00400	0.00042	1	03/08/21 23:55	03/09/21 13:21	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00270		mg/l	0.00050	0.00016	1	03/08/21 23:55	03/09/21 13:21	EPA 3005A	1,6020B	AM
Barium, Total	0.07728		mg/l	0.00050	0.00017	1	03/08/21 23:55	03/09/21 13:21	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	03/08/21 23:55	03/09/21 13:21	EPA 3005A	1,6020B	AM
Cadmium, Total	0.00012	J	mg/l	0.00020	0.00005	1	03/08/21 23:55	03/09/21 13:21	EPA 3005A	1,6020B	AM
Calcium, Total	106.		mg/l	0.100	0.0394	1	03/08/21 23:55	03/09/21 13:21	EPA 3005A	1,6020B	AM
Chromium, Total	0.00540		mg/l	0.00100	0.00017	1	03/08/21 23:55	03/09/21 13:21	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00020	J	mg/l	0.00050	0.00016	1	03/08/21 23:55	03/09/21 13:21	EPA 3005A	1,6020B	AM
Copper, Total	0.00179		mg/l	0.00100	0.00038	1	03/08/21 23:55	03/09/21 13:21	EPA 3005A	1,6020B	AM
Iron, Total	0.103		mg/l	0.0500	0.0191	1	03/08/21 23:55	03/09/21 13:21	EPA 3005A	1,6020B	AM
Lead, Total	0.00905		mg/l	0.00100	0.00034	1	03/08/21 23:55	03/09/21 13:21	EPA 3005A	1,6020B	AM
Magnesium, Total	55.5		mg/l	0.0700	0.0242	1	03/08/21 23:55	03/09/21 13:21	EPA 3005A	1,6020B	AM
Manganese, Total	0.00218		mg/l	0.00100	0.00044	1	03/08/21 23:55	03/09/21 13:21	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	03/09/21 02:10	03/11/21 17:25	EPA 7470A	1,7470A	NB
Nickel, Total	0.00372		mg/l	0.00200	0.00055	1	03/08/21 23:55	03/09/21 13:21	EPA 3005A	1,6020B	AM
Potassium, Total	10.6		mg/l	0.100	0.0309	1	03/08/21 23:55	03/09/21 13:21	EPA 3005A	1,6020B	AM
Selenium, Total	0.00353	J	mg/l	0.00500	0.00173	1	03/08/21 23:55	03/09/21 13:21	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	03/08/21 23:55	03/09/21 13:21	EPA 3005A	1,6020B	AM
Sodium, Total	188.		mg/l	0.100	0.0293	1	03/08/21 23:55	03/09/21 13:21	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00100	0.00014	1	03/08/21 23:55	03/09/21 13:21	EPA 3005A	1,6020B	AM
Vanadium, Total	0.00264	J	mg/l	0.00500	0.00157	1	03/08/21 23:55	03/09/21 13:21	EPA 3005A	1,6020B	AM
Zinc, Total	0.5679		mg/l	0.01000	0.00341	1	03/08/21 23:55	03/09/21 13:21	EPA 3005A	1,6020B	AM
General Chemistry - Mansfield Lab											
Chromium, Trivalent	ND		mg/l	0.010	0.010	1		03/09/21 13:21	NA	107,-	

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE
Lab Number: L2110911
Report Date: 03/11/21

SAMPLE RESULTS

Lab ID: L2110911-02
Client ID: MW-4
Sample Location: BRONX, NY
Sample Depth:
Matrix: Water

Date Collected: 03/04/21 12:20
Date Received: 03/04/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	03/09/21 13:34	03/09/21 18:05	EPA 3005A	1,6020B	AM
Antimony, Dissolved	0.00582		mg/l	0.00400	0.00042	1	03/09/21 13:34	03/09/21 18:05	EPA 3005A	1,6020B	AM
Arsenic, Dissolved	0.00285		mg/l	0.00050	0.00016	1	03/09/21 13:34	03/09/21 18:05	EPA 3005A	1,6020B	AM
Barium, Dissolved	0.07654		mg/l	0.00050	0.00017	1	03/09/21 13:34	03/09/21 18:05	EPA 3005A	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	03/09/21 13:34	03/09/21 18:05	EPA 3005A	1,6020B	AM
Cadmium, Dissolved	0.00011	J	mg/l	0.00020	0.00005	1	03/09/21 13:34	03/09/21 18:05	EPA 3005A	1,6020B	AM
Calcium, Dissolved	110.		mg/l	0.100	0.0394	1	03/09/21 13:34	03/09/21 18:05	EPA 3005A	1,6020B	AM
Chromium, Dissolved	0.00530		mg/l	0.00100	0.00017	1	03/09/21 13:34	03/09/21 18:05	EPA 3005A	1,6020B	AM
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	03/09/21 13:34	03/09/21 18:05	EPA 3005A	1,6020B	AM
Copper, Dissolved	0.00137		mg/l	0.00100	0.00038	1	03/09/21 13:34	03/09/21 18:05	EPA 3005A	1,6020B	AM
Iron, Dissolved	ND		mg/l	0.0500	0.0191	1	03/09/21 13:34	03/09/21 18:05	EPA 3005A	1,6020B	AM
Lead, Dissolved	0.00316		mg/l	0.00100	0.00034	1	03/09/21 13:34	03/09/21 18:05	EPA 3005A	1,6020B	AM
Magnesium, Dissolved	57.3		mg/l	0.0700	0.0242	1	03/09/21 13:34	03/09/21 18:05	EPA 3005A	1,6020B	AM
Manganese, Dissolved	ND		mg/l	0.00100	0.00044	1	03/09/21 13:34	03/09/21 18:05	EPA 3005A	1,6020B	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	03/09/21 15:07	03/11/21 15:26	EPA 7470A	1,7470A	EW
Nickel, Dissolved	0.00332		mg/l	0.00200	0.00055	1	03/09/21 13:34	03/09/21 18:05	EPA 3005A	1,6020B	AM
Potassium, Dissolved	11.0		mg/l	0.100	0.0309	1	03/09/21 13:34	03/09/21 18:05	EPA 3005A	1,6020B	AM
Selenium, Dissolved	0.00322	J	mg/l	0.00500	0.00173	1	03/09/21 13:34	03/09/21 18:05	EPA 3005A	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	03/09/21 13:34	03/09/21 18:05	EPA 3005A	1,6020B	AM
Sodium, Dissolved	192.		mg/l	0.100	0.0293	1	03/09/21 13:34	03/09/21 18:05	EPA 3005A	1,6020B	AM
Thallium, Dissolved	0.00023	J	mg/l	0.00100	0.00014	1	03/09/21 13:34	03/09/21 18:05	EPA 3005A	1,6020B	AM
Vanadium, Dissolved	0.00258	J	mg/l	0.00500	0.00157	1	03/09/21 13:34	03/09/21 18:05	EPA 3005A	1,6020B	AM
Zinc, Dissolved	0.5427		mg/l	0.01000	0.00341	1	03/09/21 13:34	03/09/21 18:05	EPA 3005A	1,6020B	AM

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2110911

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/11/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG1471814-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	03/08/21 23:55	03/09/21 11:37	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	03/08/21 23:55	03/09/21 11:37	1,6020B	AM
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	03/08/21 23:55	03/09/21 11:37	1,6020B	AM
Barium, Total	ND		mg/l	0.00050	0.00017	1	03/08/21 23:55	03/09/21 11:37	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	03/08/21 23:55	03/09/21 11:37	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	03/08/21 23:55	03/09/21 11:37	1,6020B	AM
Calcium, Total	ND		mg/l	0.100	0.0394	1	03/08/21 23:55	03/09/21 11:37	1,6020B	AM
Chromium, Total	ND		mg/l	0.00100	0.00017	1	03/08/21 23:55	03/09/21 11:37	1,6020B	AM
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	03/08/21 23:55	03/09/21 11:37	1,6020B	AM
Copper, Total	ND		mg/l	0.00100	0.00038	1	03/08/21 23:55	03/09/21 11:37	1,6020B	AM
Iron, Total	ND		mg/l	0.0500	0.0191	1	03/08/21 23:55	03/09/21 11:37	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	03/08/21 23:55	03/09/21 11:37	1,6020B	AM
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	03/08/21 23:55	03/09/21 11:37	1,6020B	AM
Manganese, Total	ND		mg/l	0.00100	0.00044	1	03/08/21 23:55	03/09/21 11:37	1,6020B	AM
Nickel, Total	ND		mg/l	0.00200	0.00055	1	03/08/21 23:55	03/09/21 11:37	1,6020B	AM
Potassium, Total	ND		mg/l	0.100	0.0309	1	03/08/21 23:55	03/09/21 11:37	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	03/08/21 23:55	03/09/21 11:37	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	03/08/21 23:55	03/09/21 11:37	1,6020B	AM
Sodium, Total	ND		mg/l	0.100	0.0293	1	03/08/21 23:55	03/09/21 11:37	1,6020B	AM
Thallium, Total	0.00023	J	mg/l	0.00100	0.00014	1	03/08/21 23:55	03/09/21 11:37	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	03/08/21 23:55	03/09/21 11:37	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	03/08/21 23:55	03/09/21 11:37	1,6020B	AM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG1471820-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	03/09/21 02:10	03/11/21 16:35	1,7470A	NB

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2110911

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/11/21

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 01-02 Batch: WG1471945-1										
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	03/09/21 13:34	03/09/21 16:49	1,6020B	AM
Antimony, Dissolved	ND		mg/l	0.00400	0.00042	1	03/09/21 13:34	03/09/21 16:49	1,6020B	AM
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	03/09/21 13:34	03/09/21 16:49	1,6020B	AM
Barium, Dissolved	ND		mg/l	0.00050	0.00017	1	03/09/21 13:34	03/09/21 16:49	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	03/09/21 13:34	03/09/21 16:49	1,6020B	AM
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	03/09/21 13:34	03/09/21 16:49	1,6020B	AM
Calcium, Dissolved	ND		mg/l	0.100	0.0394	1	03/09/21 13:34	03/09/21 16:49	1,6020B	AM
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	03/09/21 13:34	03/09/21 16:49	1,6020B	AM
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	03/09/21 13:34	03/09/21 16:49	1,6020B	AM
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	03/09/21 13:34	03/09/21 16:49	1,6020B	AM
Iron, Dissolved	ND		mg/l	0.0500	0.0191	1	03/09/21 13:34	03/09/21 16:49	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	03/09/21 13:34	03/09/21 16:49	1,6020B	AM
Magnesium, Dissolved	ND		mg/l	0.0700	0.0242	1	03/09/21 13:34	03/09/21 16:49	1,6020B	AM
Manganese, Dissolved	ND		mg/l	0.00100	0.00044	1	03/09/21 13:34	03/09/21 16:49	1,6020B	AM
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	03/09/21 13:34	03/09/21 16:49	1,6020B	AM
Potassium, Dissolved	ND		mg/l	0.100	0.0309	1	03/09/21 13:34	03/09/21 16:49	1,6020B	AM
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	03/09/21 13:34	03/09/21 16:49	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	03/09/21 13:34	03/09/21 16:49	1,6020B	AM
Sodium, Dissolved	0.0597	J	mg/l	0.100	0.0293	1	03/09/21 13:34	03/09/21 16:49	1,6020B	AM
Thallium, Dissolved	0.00026	J	mg/l	0.00100	0.00014	1	03/09/21 13:34	03/09/21 16:49	1,6020B	AM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	03/09/21 13:34	03/09/21 16:49	1,6020B	AM
Zinc, Dissolved	0.00560	J	mg/l	0.01000	0.00341	1	03/09/21 13:34	03/09/21 16:49	1,6020B	AM

Prep Information

Digestion Method: EPA 3005A

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2110911

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/11/21

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): 01-02 Batch: WG1471946-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	03/09/21 15:07	03/11/21 15:02	1,7470A	EW

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110911
Report Date: 03/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1471814-2								
Aluminum, Total	102		-		80-120	-		
Antimony, Total	81		-		80-120	-		
Arsenic, Total	97		-		80-120	-		
Barium, Total	101		-		80-120	-		
Beryllium, Total	98		-		80-120	-		
Cadmium, Total	107		-		80-120	-		
Calcium, Total	110		-		80-120	-		
Chromium, Total	97		-		80-120	-		
Cobalt, Total	98		-		80-120	-		
Copper, Total	99		-		80-120	-		
Iron, Total	99		-		80-120	-		
Lead, Total	102		-		80-120	-		
Magnesium, Total	109		-		80-120	-		
Manganese, Total	99		-		80-120	-		
Nickel, Total	94		-		80-120	-		
Potassium, Total	109		-		80-120	-		
Selenium, Total	100		-		80-120	-		
Silver, Total	101		-		80-120	-		
Sodium, Total	109		-		80-120	-		
Thallium, Total	99		-		80-120	-		
Vanadium, Total	96		-		80-120	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110911
Report Date: 03/11/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1471814-2					
Zinc, Total	107	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1471820-2					
Mercury, Total	99	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110911
Report Date: 03/11/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1471945-2					
Aluminum, Dissolved	104	-	80-120	-	
Antimony, Dissolved	86	-	80-120	-	
Arsenic, Dissolved	98	-	80-120	-	
Barium, Dissolved	105	-	80-120	-	
Beryllium, Dissolved	101	-	80-120	-	
Cadmium, Dissolved	108	-	80-120	-	
Calcium, Dissolved	114	-	80-120	-	
Chromium, Dissolved	101	-	80-120	-	
Cobalt, Dissolved	98	-	80-120	-	
Copper, Dissolved	101	-	80-120	-	
Iron, Dissolved	101	-	80-120	-	
Lead, Dissolved	105	-	80-120	-	
Magnesium, Dissolved	110	-	80-120	-	
Manganese, Dissolved	101	-	80-120	-	
Nickel, Dissolved	95	-	80-120	-	
Potassium, Dissolved	112	-	80-120	-	
Selenium, Dissolved	100	-	80-120	-	
Silver, Dissolved	104	-	80-120	-	
Sodium, Dissolved	111	-	80-120	-	
Thallium, Dissolved	102	-	80-120	-	
Vanadium, Dissolved	100	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110911

Report Date: 03/11/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1471945-2					
Zinc, Dissolved	109	-	80-120	-	
Dissolved Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1471946-2					
Mercury, Dissolved	90	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110911
Report Date: 03/11/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1471814-3 WG1471814-4 QC Sample: L2110680-01 Client ID: MS Sample												
Aluminum, Total	0.0618	2	2.07	100		2.08	101		75-125	0		20
Antimony, Total	0.00283J	0.5	0.3870	77		0.4036	81		75-125	4		20
Arsenic, Total	0.00042J	0.12	0.1198	100		0.1150	96		75-125	4		20
Barium, Total	0.07687	2	2.093	101		2.104	101		75-125	1		20
Beryllium, Total	ND	0.05	0.04936	99		0.04896	98		75-125	1		20
Cadmium, Total	ND	0.051	0.05324	104		0.05427	106		75-125	2		20
Calcium, Total	26.1	10	36.8	107		37.8	117		75-125	3		20
Chromium, Total	0.00042J	0.2	0.1904	95		0.1908	95		75-125	0		20
Cobalt, Total	ND	0.5	0.4838	97		0.4866	97		75-125	1		20
Copper, Total	ND	0.25	0.2408	96		0.2413	96		75-125	0		20
Iron, Total	0.0869	1	1.19	110		1.08	99		75-125	10		20
Lead, Total	ND	0.51	0.5295	104		0.5320	104		75-125	0		20
Magnesium, Total	3.68	10	14.0	103		14.5	108		75-125	4		20
Manganese, Total	0.02312	0.5	0.5060	96		0.5162	99		75-125	2		20
Nickel, Total	ND	0.5	0.4621	92		0.4694	94		75-125	2		20
Potassium, Total	1.31	10	12.2	109		12.3	110		75-125	1		20
Selenium, Total	ND	0.12	0.118	98		0.123	102		75-125	4		20
Silver, Total	ND	0.05	0.05012	100		0.04993	100		75-125	0		20
Sodium, Total	210.	10	209	**0**	Q	212	**20**	Q	75-125	1		20
Thallium, Total	0.00024J	0.12	0.1260	105		0.1221	102		75-125	3		20
Vanadium, Total	ND	0.5	0.4790	96		0.4845	97		75-125	1		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110911
Report Date: 03/11/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1471814-3 WG1471814-4 QC Sample: L2110680-01 Client ID: MS Sample									
Zinc, Total	0.02392	0.5	0.5469	104	0.5458	104	75-125	0	20
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1471820-3 WG1471820-4 QC Sample: L2110680-01 Client ID: MS Sample									
Mercury, Total	ND	0.005	0.00457	91	0.00462	92	75-125	1	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110911
Report Date: 03/11/21

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): 01-02 QC Batch ID: WG1471945-3 QC Sample: L2110911-01 Client ID: MW-3										
Aluminum, Dissolved	ND	2	2.00	100		-	-	75-125	-	20
Antimony, Dissolved	0.00461	0.5	0.5365	106		-	-	75-125	-	20
Arsenic, Dissolved	0.00043J	0.12	0.1157	96		-	-	75-125	-	20
Barium, Dissolved	0.04856	2	2.085	102		-	-	75-125	-	20
Beryllium, Dissolved	ND	0.05	0.04889	98		-	-	75-125	-	20
Cadmium, Dissolved	ND	0.051	0.05348	105		-	-	75-125	-	20
Calcium, Dissolved	86.2	10	96.2	100		-	-	75-125	-	20
Chromium, Dissolved	ND	0.2	0.1911	96		-	-	75-125	-	20
Cobalt, Dissolved	0.00066	0.5	0.4742	95		-	-	75-125	-	20
Copper, Dissolved	ND	0.25	0.2354	94		-	-	75-125	-	20
Iron, Dissolved	ND	1	0.940	94		-	-	75-125	-	20
Lead, Dissolved	ND	0.51	0.5248	103		-	-	75-125	-	20
Magnesium, Dissolved	34.8	10	44.5	97		-	-	75-125	-	20
Manganese, Dissolved	0.1062	0.5	0.5932	97		-	-	75-125	-	20
Nickel, Dissolved	0.00494	0.5	0.4524	89		-	-	75-125	-	20
Potassium, Dissolved	10.9	10	21.0	101		-	-	75-125	-	20
Selenium, Dissolved	0.00353J	0.12	0.119	99		-	-	75-125	-	20
Silver, Dissolved	ND	0.05	0.04947	99		-	-	75-125	-	20
Sodium, Dissolved	201.	10	201	**0**	Q	-	-	75-125	-	20
Thallium, Dissolved	0.00034J	0.12	0.1183	98		-	-	75-125	-	20
Vanadium, Dissolved	ND	0.5	0.4770	95		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110911
Report Date: 03/11/21

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): 01-02 QC Batch ID: WG1471945-3 QC Sample: L2110911-01 Client ID: MW-3									
Zinc, Dissolved	0.04076	0.5	0.5622	104	-	-	75-125	-	20
Dissolved Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1471946-3 QC Sample: L2110911-02 Client ID: MW-4									
Mercury, Dissolved	ND	0.005	0.00455	91	-	-	75-125	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110911

Report Date: 03/11/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1471945-4 QC Sample: L2110911-01 Client ID: MW-3						
Aluminum, Dissolved	ND	ND	mg/l	NC		20
Antimony, Dissolved	0.00461	0.00461	mg/l	0		20
Arsenic, Dissolved	0.00043J	0.00049J	mg/l	NC		20
Barium, Dissolved	0.04856	0.04807	mg/l	1		20
Beryllium, Dissolved	ND	ND	mg/l	NC		20
Cadmium, Dissolved	ND	ND	mg/l	NC		20
Calcium, Dissolved	86.2	84.6	mg/l	2		20
Chromium, Dissolved	ND	ND	mg/l	NC		20
Cobalt, Dissolved	0.00066	0.00069	mg/l	4		20
Copper, Dissolved	ND	ND	mg/l	NC		20
Iron, Dissolved	ND	0.0220J	mg/l	NC		20
Lead, Dissolved	ND	ND	mg/l	NC		20
Magnesium, Dissolved	34.8	33.9	mg/l	3		20
Manganese, Dissolved	0.1062	0.1068	mg/l	1		20
Nickel, Dissolved	0.00494	0.00491	mg/l	1		20
Potassium, Dissolved	10.9	10.8	mg/l	1		20
Selenium, Dissolved	0.00353J	0.00370J	mg/l	NC		20
Silver, Dissolved	ND	ND	mg/l	NC		20
Sodium, Dissolved	201.	195	mg/l	3		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110911

Report Date: 03/11/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1471945-4 QC Sample: L2110911-01 Client ID: MW-3					
Thallium, Dissolved	0.00034J	0.00098J	mg/l	NC	20
Vanadium, Dissolved	ND	ND	mg/l	NC	20
Zinc, Dissolved	0.04076	0.04034	mg/l	1	20
Dissolved Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1471946-4 QC Sample: L2110911-02 Client ID: MW-4					
Mercury, Dissolved	ND	ND	mg/l	NC	20

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTE

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2110911
Report Date: 03/11/21

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1471814-6 QC Sample: L2110680-01 Client ID: DUP Sample						
Barium, Total	0.07687	0.07684	mg/l	0		20
Calcium, Total	26.1	27.5	mg/l	5		20
Magnesium, Total	3.68	3.68	mg/l	0		20
Sodium, Total	210.	210.	mg/l	0		20
Dissolved Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1471945-6 QC Sample: L2110911-01 Client ID: MW-3						
Barium, Dissolved	0.04856	0.04497	mg/l	7		20
Calcium, Dissolved	86.2	86.2	mg/l	0		20
Magnesium, Dissolved	34.8	35.7	mg/l	3		20
Manganese, Dissolved	0.1062	0.1115	mg/l	5		20
Potassium, Dissolved	10.9	10.9	mg/l	0		20
Sodium, Dissolved	201.	201.	mg/l	0		20

INORGANICS
&
MISCELLANEOUS

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110911
Report Date: 03/11/21

SAMPLE RESULTS

Lab ID: L2110911-01
Client ID: MW-3
Sample Location: BRONX, NY

Date Collected: 03/04/21 13:00
Date Received: 03/04/21
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	03/08/21 12:20	03/08/21 15:24	1,9010C/9012B	CR
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	03/05/21 06:37	03/05/21 07:01	1,7196A	AW

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110911
Report Date: 03/11/21

SAMPLE RESULTS

Lab ID: L2110911-02
Client ID: MW-4
Sample Location: BRONX, NY

Date Collected: 03/04/21 12:20
Date Received: 03/04/21
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	03/08/21 12:20	03/08/21 15:25	1,9010C/9012B	CR
Chromium, Hexavalent	0.006	J	mg/l	0.010	0.003	1	03/05/21 06:37	03/05/21 07:02	1,7196A	AW

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2110911

Project Number: 2921 WESTCHESTER AVE **Report Date:** 03/11/21

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): 01-02 Batch: WG1470998-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	03/05/21 06:37	03/05/21 06:57	1,7196A	AW
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG1471841-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	03/08/21 12:20	03/08/21 15:16	1,9010C/9012B	CR

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110911
Report Date: 03/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1470998-2								
Chromium, Hexavalent	105		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1471841-2 WG1471841-3								
Cyanide, Total	92		92		85-115	0		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110911
Report Date: 03/11/21

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): 01-02 QC Batch ID: WG1470998-4 QC Sample: L2110911-02 Client ID: MW-4												
Chromium, Hexavalent	0.006J	0.1	0.109	109		-	-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1471841-4 WG1471841-5 QC Sample: L2109048-16 Client ID: MS Sample												
Cyanide, Total	ND	0.2	0.232	116		0.185	92		80-120	**23**	Q	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110911

Report Date: 03/11/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1470998-3 QC Sample: L2110911-01 Client ID: MW-3						
Chromium, Hexavalent	ND	ND	mg/l	NC		20

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110911
Report Date: 03/11/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent
C	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2110911-01A	Vial HCl preserved	B	NA		2.4	Y	Absent		NYTCL-8260(14)
L2110911-01B	Vial HCl preserved	B	NA		2.4	Y	Absent		NYTCL-8260(14)
L2110911-01C	Vial HCl preserved	B	NA		2.4	Y	Absent		NYTCL-8260(14)
L2110911-01D	Amber 120ml unpreserved	B	7	7	2.4	Y	Absent		NYTCL-8081(7)
L2110911-01E	Amber 120ml unpreserved	B	7	7	2.4	Y	Absent		NYTCL-8081(7)
L2110911-01F	Amber 120ml unpreserved	B	7	7	2.4	Y	Absent		NYTCL-8082-LVI(7)
L2110911-01G	Amber 120ml unpreserved	B	7	7	2.4	Y	Absent		NYTCL-8082-LVI(7)
L2110911-01H	Plastic 250ml NaOH preserved	B	>12	>12	2.4	Y	Absent		TCN-9010(14)
L2110911-01J	Plastic 250ml HNO3 preserved	B	<2	<2	2.4	Y	Absent		FE-6020T(180),BA-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),MN-6020T(180),BE-6020T(180),SB-6020T(180),V-6020T(180),AS-6020T(180),CD-6020T(180),AG-6020T(180),HG-T(28),AL-6020T(180),MG-6020T(180),CO-6020T(180)
L2110911-01K	Plastic 250ml unpreserved	B	7	7	2.4	Y	Absent		-
L2110911-01L	Amber 250ml unpreserved	B	7	7	2.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2110911-01M	Amber 250ml unpreserved	B	7	7	2.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2110911-01N	Amber 250ml unpreserved	B	7	7	2.4	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2110911-01O	Amber 250ml unpreserved	B	7	7	2.4	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2110911-01P	Plastic 500ml unpreserved	B	7	7	2.4	Y	Absent		HEXCR-7196(1)
L2110911-01Q	Amber 1000ml unpreserved	B	7	7	2.4	Y	Absent		HERB-APA(7)
L2110911-01R	Amber 1000ml unpreserved	B	7	7	2.4	Y	Absent		HERB-APA(7)

*Values in parentheses indicate holding time in days

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110911
Report Date: 03/11/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2110911-01S	Plastic 250ml unpreserved	A	NA		2.9	Y	Absent		A2-NY-537-ISOTOPE(14)
L2110911-01T	Plastic 250ml unpreserved	A	NA		2.9	Y	Absent		A2-NY-537-ISOTOPE(14)
L2110911-01W	Plastic 120ml HNO3 preserved Filtrates	B	NA		2.4	Y	Absent		V-6020S(180),SE-6020S(180),CU-6020S(180),K-6020S(180),MN-6020S(180),ZN-6020S(180),CO-6020S(180),MG-6020S(180),BE-6020S(180),CA-6020S(180),FE-6020S(180),CR-6020S(180),BA-6020S(180),PB-6020S(180),NA-6020S(180),NI-6020S(180),TL-6020S(180),AS-6020S(180),AG-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L2110911-02A	Vial HCl preserved	C	NA		3.2	Y	Absent		NYTCL-8260(14)
L2110911-02B	Vial HCl preserved	C	NA		3.2	Y	Absent		NYTCL-8260(14)
L2110911-02C	Vial HCl preserved	C	NA		3.2	Y	Absent		NYTCL-8260(14)
L2110911-02D	Amber 120ml unpreserved	C	7	7	3.2	Y	Absent		NYTCL-8081(7)
L2110911-02E	Amber 120ml unpreserved	C	7	7	3.2	Y	Absent		NYTCL-8081(7)
L2110911-02F	Amber 120ml unpreserved	C	7	7	3.2	Y	Absent		NYTCL-8082-LVI(7)
L2110911-02G	Amber 120ml unpreserved	C	7	7	3.2	Y	Absent		NYTCL-8082-LVI(7)
L2110911-02H	Plastic 250ml NaOH preserved	C	>12	>12	3.2	Y	Absent		TCN-9010(14)
L2110911-02J	Plastic 250ml HNO3 preserved	C	<2	<2	3.2	Y	Absent		TL-6020T(180),SE-6020T(180),FE-6020T(180),BA-6020T(180),NI-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),ZN-6020T(180),NA-6020T(180),CU-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),V-6020T(180),AS-6020T(180),SB-6020T(180),CD-6020T(180),AG-6020T(180),MG-6020T(180),AL-6020T(180),HG-T(28),CO-6020T(180)
L2110911-02K	Plastic 250ml unpreserved	C	7	7	3.2	Y	Absent		-
L2110911-02L	Amber 250ml unpreserved	C	7	7	3.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2110911-02M	Amber 250ml unpreserved	C	7	7	3.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2110911-02N	Amber 250ml unpreserved	C	7	7	3.2	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2110911-02O	Amber 250ml unpreserved	C	7	7	3.2	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2110911-02P	Plastic 500ml unpreserved	C	7	7	3.2	Y	Absent		HEXCR-7196(1)
L2110911-02Q	Amber 1000ml unpreserved	C	7	7	3.2	Y	Absent		HERB-APA(7)

*Values in parentheses indicate holding time in days

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110911
Report Date: 03/11/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2110911-02R	Amber 1000ml unpreserved	C	7	7	3.2	Y	Absent		HERB-APA(7)
L2110911-02S	Plastic 250ml unpreserved	A	NA		2.9	Y	Absent		A2-NY-537-ISOTOPE(14)
L2110911-02T	Plastic 250ml unpreserved	A	NA		2.9	Y	Absent		A2-NY-537-ISOTOPE(14)
L2110911-02W	Plastic 120ml HNO3 preserved Filtrates	C	NA		3.2	Y	Absent		SE-6020S(180),CU-6020S(180),V-6020S(180),K-6020S(180),MN-6020S(180),ZN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),FE-6020S(180),CA-6020S(180),CR-6020S(180),NA-6020S(180),NI-6020S(180),BA-6020S(180),PB-6020S(180),TL-6020S(180),AS-6020S(180),SB-6020S(180),AG-6020S(180),CD-6020S(180),AL-6020S(180),HG-S(28)
L2110911-03A	Vial HCl preserved	B	NA		2.4	Y	Absent		NYTCL-8260(14)
L2110911-03B	Vial HCl preserved	B	NA		2.4	Y	Absent		NYTCL-8260(14)
L2110911-03C	Vial HCl preserved	B	NA		2.4	Y	Absent		NYTCL-8260(14)
L2110911-04A	Vial HCl preserved	C	NA		3.2	Y	Absent		NYTCL-8260(14)
L2110911-04B	Vial HCl preserved	C	NA		3.2	Y	Absent		NYTCL-8260(14)
L2110911-04C	Vial HCl preserved	C	NA		3.2	Y	Absent		NYTCL-8260(14)
L2110911-04D	Amber 250ml unpreserved	C	8	8	3.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2110911-05A	Vial HCl preserved	B	NA		2.4	Y	Absent		NYTCL-8260(14)
L2110911-05B	Vial HCl preserved	B	NA		2.4	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110911
Report Date: 03/11/21

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

Project Name:	2921 WESTCHESTER AVENUE	**Lab Number:**	L2110911
Project Number:	2921 WESTCHESTER AVE	**Report Date:**	03/11/21

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	2921 WESTCHESTER AVENUE	**Lab Number:**	L2110911
Project Number:	2921 WESTCHESTER AVE	**Report Date:**	03/11/21

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	2921 WESTCHESTER AVENUE	**Lab Number:**	L2110911
Project Number:	2921 WESTCHESTER AVE	**Report Date:**	03/11/21

Data Qualifiers

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	2921 WESTCHESTER AVENUE	**Lab Number:**	L2110911
Project Number:	2921 WESTCHESTER AVE	**Report Date:**	03/11/21

REFERENCES

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

107 Alpha Analytical - In-house calculation method.

134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

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

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

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

Westborough Facility:

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

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

Mansfield Facility:

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

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

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

NEW YORK CHAIN OF CUSTODY

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

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 3/5/21

ALPHA Job #: L2110911

Client Information
Client: Tenen Environmental
Address: 121 West 27th Street Suite 702, NY, NY 10001
Phone: 646-606-2332
Fax: aplatt@tenen-env.com
Email: acarroll@tenen-env.com

Project Information
Project Name: 2921 Westchester Avenue
Project Location: Bronx, NY
Project #
(Use Project name as Project #) ☒
Project Manager: A. Carroll
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

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

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

Billing Information
☒ Same as Client Info
PO #

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Cat B deliverables

Please specify Metals or TAL.

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	VOCs	SVOCs	Total/Dissolved Metals	Pesticides/Herb/PCBs	Total Cyanide	Tri/Hex Chromium	PFAS	1,4-Dioxane	Sample Specific Comments	Total Bottle
10911 -01	MW-3	3/4/21	13:00	Water	AP	X	X	X	X	X	X	X	X		19
-02	MW-4	↓	12:20	↓	↓	X	X	X	X	X	X	X	X		19
-03	MW-5_VOC	↓	14:00	↓	↓	X									3
-04	MW-6	↓	14:30	↓	↓	X	X								4
-05	Trip Blank	↓		↓		X									2

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

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

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

Container Type	V	A	P	A	P	P	P	A
Preservative	B	A	C/A	A	E	A	A	A

Relinquished By:	Date/Time	Received By:	Date/Time
A. Platt / Tenen	3/4/21 18:30	[illegible]	3/4/21 18:30
[illegible]	3/4/21 20:05	[illegible]	3/4/21 20:05
[illegible]	3/5/21 0025	[illegible]	3/5/21 00:25

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

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

ANALYTICAL REPORT

Lab Number:	L2110920
Client:	Tenen Environmental, LLC 121 West 27th Street Suite 702 New York City, NY 10001
ATTN:	Alana Carroll
Phone:	(646) 606-2332
Project Name:	2921 WESTCHESTER AVE
Project Number:	2921 WESTCHESTER AVE
Report Date:	03/11/21

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: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110920
Report Date: 03/11/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2110920-01	IA-6	AIR	BRONX, NY	03/04/21 17:57	03/04/21
L2110920-02	IA-7	AIR	BRONX, NY	03/04/21 17:40	03/04/21
L2110920-03	SS-3	SOIL_VAPOR	BRONX, NY	03/04/21 18:22	03/04/21
L2110920-04	IA-8	AIR	BRONX, NY	03/04/21 18:21	03/04/21
L2110920-05	SS-7	SOIL_VAPOR	BRONX, NY	03/04/21 18:19	03/04/21
L2110920-06	IA-12	AIR	BRONX, NY	03/04/21 18:20	03/04/21
L2110920-07	IA-9	AIR	BRONX, NY	03/04/21 17:45	03/04/21
L2110920-08	IA-11	AIR	BRONX, NY	03/04/21 17:46	03/04/21
L2110920-09	SS-5	SOIL_VAPOR	BRONX, NY	03/04/21 17:30	03/04/21
L2110920-10	IA-10	AIR	BRONX, NY	03/04/21 17:29	03/04/21
L2110920-11	AA-1	AIR	BRONX, NY	03/04/21 17:31	03/04/21
L2110920-12	UNUSED_CAN#2917	SOIL_VAPOR	BRONX, NY		03/04/21
L2110920-13	UNUSED_CAN#2324	SOIL_VAPOR	BRONX, NY		03/04/21
L2110920-14	UNUSED_CAN#2587	SOIL_VAPOR	BRONX, NY		03/04/21
L2110920-15	UNUSED_CAN#985	SOIL_VAPOR	BRONX, NY		03/04/21
L2110920-16	UNUSED_CAN#3445	SOIL_VAPOR	BRONX, NY		03/04/21
L2110920-17	UNUSED_CAN#3205	SOIL_VAPOR	BRONX, NY		03/04/21
L2110920-18	UNUSED_CAN#2591	SOIL_VAPOR	BRONX, NY		03/04/21

Project Name:	2921 WESTCHESTER AVE	**Lab Number:**	L2110920
Project Number:	2921 WESTCHESTER AVE	**Report Date:**	03/11/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	2921 WESTCHESTER AVE	**Lab Number:**	L2110920
Project Number:	2921 WESTCHESTER AVE	**Report Date:**	03/11/21

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on February 23, 2021. The canister certification results are provided as an addendum.

The WG1472876-3 LCS recovery for 3-chloropropene (133%) is above the upper 130% acceptance limit. All samples associated with this LCS do not have reportable amounts of this analyte.

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

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative

Date: 03/11/21

AIR

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110920
Report Date: 03/11/21

SAMPLE RESULTS

Lab ID: L2110920-01
Client ID: IA-6
Sample Location: BRONX, NY

Date Collected: 03/04/21 17:57
Date Received: 03/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/10/21 18:14
Analyst: RY

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.486	0.200	--	2.40	0.989	--		1
Chloromethane	0.457	0.200	--	0.944	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	8.46	5.00	--	15.9	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.89	1.00	--	6.87	2.38	--		1
Trichlorofluoromethane	0.258	0.200	--	1.45	1.12	--		1
Isopropanol	6.13	0.500	--	15.1	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	1.25	0.200	--	6.10	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110920
Report Date: 03/11/21

SAMPLE RESULTS

Lab ID: L2110920-01
Client ID: IA-6
Sample Location: BRONX, NY

Date Collected: 03/04/21 17:57
Date Received: 03/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	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	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
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110920
Report Date: 03/11/21

SAMPLE RESULTS

Lab ID: L2110920-01
Client ID: IA-6
Sample Location: BRONX, NY

Date Collected: 03/04/21 17:57
Date Received: 03/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-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	87		60-140
Bromochloromethane	88		60-140
chlorobenzene-d5	93		60-140

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110920
Report Date: 03/11/21

SAMPLE RESULTS

Lab ID: L2110920-01
Client ID: IA-6
Sample Location: BRONX, NY

Date Collected: 03/04/21 17:57
Date Received: 03/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/10/21 18:14
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	0.108	0.020	--	0.276	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	2.30	0.020	--	9.12	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.072	0.020	--	0.453	0.126	--		1
Trichloroethene	0.840	0.020	--	4.51	0.107	--		1
Tetrachloroethene	6.03	0.020	--	40.9	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	85		60-140
bromochloromethane	89		60-140
chlorobenzene-d5	94		60-140

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110920
Report Date: 03/11/21

SAMPLE RESULTS

Lab ID: L2110920-02
Client ID: IA-7
Sample Location: BRONX, NY

Date Collected: 03/04/21 17:40
Date Received: 03/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/10/21 18:53
Analyst: RY

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.488	0.200	--	2.41	0.989	--		1
Chloromethane	0.499	0.200	--	1.03	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	8.39	5.00	--	15.8	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.07	1.00	--	7.29	2.38	--		1
Trichlorofluoromethane	0.250	0.200	--	1.40	1.12	--		1
Isopropanol	6.35	0.500	--	15.6	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	1.32	0.200	--	6.45	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110920
Report Date: 03/11/21

SAMPLE RESULTS

Lab ID: L2110920-02
Client ID: IA-7
Sample Location: BRONX, NY

Date Collected: 03/04/21 17:40
Date Received: 03/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	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	0.221	0.200	--	0.833	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110920
Report Date: 03/11/21

SAMPLE RESULTS

Lab ID: L2110920-02
Client ID: IA-7
Sample Location: BRONX, NY

Date Collected: 03/04/21 17:40
Date Received: 03/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-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	92		60-140

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110920
Report Date: 03/11/21

SAMPLE RESULTS

Lab ID: L2110920-02
Client ID: IA-7
Sample Location: BRONX, NY

Date Collected: 03/04/21 17:40
Date Received: 03/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/10/21 18:53
Analyst: RY

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	0.109	0.020	--	0.279	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	2.34	0.020	--	9.28	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.076	0.020	--	0.478	0.126	--		1
Trichloroethene	0.858	0.020	--	4.61	0.107	--		1
Tetrachloroethene	6.30	0.020	--	42.7	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	87		60-140
bromochloromethane	89		60-140
chlorobenzene-d5	93		60-140

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110920
Report Date: 03/11/21

SAMPLE RESULTS

Lab ID: L2110920-03
Client ID: SS-3
Sample Location: BRONX, NY

Date Collected: 03/04/21 18:22
Date Received: 03/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 03/11/21 04:46
Analyst: RY

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.435	0.200	--	2.15	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	1.00	1.00	--	2.38	2.38	--		1
Trichlorofluoromethane	0.216	0.200	--	1.21	1.12	--		1
Isopropanol	1.56	0.500	--	3.83	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	0.813	0.200	--	3.22	0.793	--		1

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110920
Report Date: 03/11/21

SAMPLE RESULTS

Lab ID: L2110920-03
Client ID: SS-3
Sample Location: BRONX, NY

Date Collected: 03/04/21 18:22
Date Received: 03/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	1.18	0.200	--	5.76	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	0.556	0.200	--	3.03	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	0.827	0.200	--	5.20	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	0.431	0.200	--	2.32	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	40.9	0.200	--	277	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE
Lab Number: L2110920
Report Date: 03/11/21

SAMPLE RESULTS

Lab ID: L2110920-03
Client ID: SS-3
Sample Location: BRONX, NY

Date Collected: 03/04/21 18:22
Date Received: 03/04/21
Field Prep: Not Specified

Sample Depth:

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

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

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110920
Report Date: 03/11/21

SAMPLE RESULTS

Lab ID: L2110920-04
Client ID: IA-8
Sample Location: BRONX, NY

Date Collected: 03/04/21 18:21
Date Received: 03/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/10/21 19:33
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.487	0.200	--	2.41	0.989	--		1
Chloromethane	0.473	0.200	--	0.977	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	12.6	5.00	--	23.7	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	9.10	1.00	--	21.6	2.38	--		1
Trichlorofluoromethane	0.252	0.200	--	1.42	1.12	--		1
Isopropanol	19.9	0.500	--	48.9	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	0.341	0.200	--	1.67	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110920
Report Date: 03/11/21

SAMPLE RESULTS

Lab ID: L2110920-04
Client ID: IA-8
Sample Location: BRONX, NY

Date Collected: 03/04/21 18:21
Date Received: 03/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	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	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
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110920
Report Date: 03/11/21

SAMPLE RESULTS

Lab ID: L2110920-04
Client ID: IA-8
Sample Location: BRONX, NY

Date Collected: 03/04/21 18:21
Date Received: 03/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-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	89		60-140
chlorobenzene-d5	93		60-140

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110920
Report Date: 03/11/21

SAMPLE RESULTS

Lab ID: L2110920-04
Client ID: IA-8
Sample Location: BRONX, NY

Date Collected: 03/04/21 18:21
Date Received: 03/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/10/21 19:33
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	0.031	0.020	--	0.079	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	0.585	0.020	--	2.32	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.072	0.020	--	0.453	0.126	--		1
Trichloroethene	0.229	0.020	--	1.23	0.107	--		1
Tetrachloroethene	1.62	0.020	--	11.0	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	88		60-140
bromochloromethane	89		60-140
chlorobenzene-d5	94		60-140

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110920
Report Date: 03/11/21

SAMPLE RESULTS

Lab ID: L2110920-05
Client ID: SS-7
Sample Location: BRONX, NY

Date Collected: 03/04/21 18:19
Date Received: 03/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 03/11/21 07:12
Analyst: RY

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.458	0.200	--	2.26	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	7.54	5.00	--	14.2	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	0.223	0.200	--	1.25	1.12	--		1
Isopropanol	9.99	0.500	--	24.6	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110920
Report Date: 03/11/21

SAMPLE RESULTS

Lab ID: L2110920-05
Client ID: SS-7
Sample Location: BRONX, NY

Date Collected: 03/04/21 18:19
Date Received: 03/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	1.88	0.200	--	9.18	0.977	--		1
Tetrahydrofuran	2.83	0.500	--	8.35	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	0.496	0.200	--	2.71	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	2.29	0.200	--	14.4	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	0.410	0.200	--	2.20	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	40.5	0.200	--	275	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE
Lab Number: L2110920
Report Date: 03/11/21

SAMPLE RESULTS

Lab ID: L2110920-05
Client ID: SS-7
Sample Location: BRONX, NY

Date Collected: 03/04/21 18:19
Date Received: 03/04/21
Field Prep: Not Specified

Sample Depth:

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

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

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110920
Report Date: 03/11/21

SAMPLE RESULTS

Lab ID: L2110920-06
Client ID: IA-12
Sample Location: BRONX, NY

Date Collected: 03/04/21 18:20
Date Received: 03/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/10/21 20:12
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.490	0.200	--	2.42	0.989	--		1
Chloromethane	0.475	0.200	--	0.981	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	12.7	5.00	--	23.9	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	9.35	1.00	--	22.2	2.38	--		1
Trichlorofluoromethane	0.261	0.200	--	1.47	1.12	--		1
Isopropanol	20.6	0.500	--	50.6	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	0.327	0.200	--	1.60	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110920
Report Date: 03/11/21

SAMPLE RESULTS

Lab ID: L2110920-06
Client ID: IA-12
Sample Location: BRONX, NY

Date Collected: 03/04/21 18:20
Date Received: 03/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	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	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
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110920
Report Date: 03/11/21

SAMPLE RESULTS

Lab ID: L2110920-06
Client ID: IA-12
Sample Location: BRONX, NY

Date Collected: 03/04/21 18:20
Date Received: 03/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-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	89		60-140
Bromochloromethane	88		60-140
chlorobenzene-d5	92		60-140

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110920
Report Date: 03/11/21

SAMPLE RESULTS

Lab ID: L2110920-06
Client ID: IA-12
Sample Location: BRONX, NY

Date Collected: 03/04/21 18:20
Date Received: 03/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/10/21 20:12
Analyst: RY

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	0.031	0.020	--	0.079	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	0.575	0.020	--	2.28	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.072	0.020	--	0.453	0.126	--		1
Trichloroethene	0.224	0.020	--	1.20	0.107	--		1
Tetrachloroethene	1.59	0.020	--	10.8	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	87		60-140
bromochloromethane	88		60-140
chlorobenzene-d5	94		60-140

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110920
Report Date: 03/11/21

SAMPLE RESULTS

Lab ID: L2110920-07
Client ID: IA-9
Sample Location: BRONX, NY

Date Collected: 03/04/21 17:45
Date Received: 03/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/10/21 20:51
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.477	0.200	--	2.36	0.989	--		1
Chloromethane	0.570	0.200	--	1.18	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	8.68	5.00	--	16.4	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.21	1.00	--	5.25	2.38	--		1
Trichlorofluoromethane	0.248	0.200	--	1.39	1.12	--		1
Isopropanol	2.40	0.500	--	5.90	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	2.65	0.200	--	12.9	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110920
Report Date: 03/11/21

SAMPLE RESULTS

Lab ID: L2110920-07
Client ID: IA-9
Sample Location: BRONX, NY

Date Collected: 03/04/21 17:45
Date Received: 03/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	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	0.240	0.200	--	1.61	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	0.287	0.200	--	1.08	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE
Lab Number: L2110920
Report Date: 03/11/21

SAMPLE RESULTS

Lab ID: L2110920-07
Client ID: IA-9
Sample Location: BRONX, NY

Date Collected: 03/04/21 17:45
Date Received: 03/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-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	89		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	94		60-140

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110920
Report Date: 03/11/21

SAMPLE RESULTS

Lab ID: L2110920-07
Client ID: IA-9
Sample Location: BRONX, NY

Date Collected: 03/04/21 17:45
Date Received: 03/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/10/21 20:51
Analyst: RY

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	0.249	0.020	--	0.637	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	5.23	0.020	--	20.7	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.077	0.020	--	0.484	0.126	--		1
Trichloroethene	1.89	0.020	--	10.2	0.107	--		1
Tetrachloroethene	13.6	0.020	--	92.2	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	88		60-140
bromochloromethane	90		60-140
chlorobenzene-d5	96		60-140

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110920
Report Date: 03/11/21

SAMPLE RESULTS

Lab ID: L2110920-08
Client ID: IA-11
Sample Location: BRONX, NY

Date Collected: 03/04/21 17:46
Date Received: 03/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/10/21 22:11
Analyst: RY

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.479	0.200	--	2.37	0.989	--		1
Chloromethane	0.590	0.200	--	1.22	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	8.60	5.00	--	16.2	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.19	1.00	--	5.20	2.38	--		1
Trichlorofluoromethane	0.250	0.200	--	1.40	1.12	--		1
Isopropanol	2.07	0.500	--	5.09	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	2.55	0.200	--	12.5	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110920
Report Date: 03/11/21

SAMPLE RESULTS

Lab ID: L2110920-08
Client ID: IA-11
Sample Location: BRONX, NY

Date Collected: 03/04/21 17:46
Date Received: 03/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	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	0.230	0.200	--	1.54	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	0.280	0.200	--	1.06	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE
Lab Number: L2110920
Report Date: 03/11/21

SAMPLE RESULTS

Lab ID: L2110920-08
Client ID: IA-11
Sample Location: BRONX, NY

Date Collected: 03/04/21 17:46
Date Received: 03/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-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	90		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	94		60-140

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110920
Report Date: 03/11/21

SAMPLE RESULTS

Lab ID: L2110920-08
Client ID: IA-11
Sample Location: BRONX, NY

Date Collected: 03/04/21 17:46
Date Received: 03/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/10/21 22:11
Analyst: RY

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	0.246	0.020	--	0.629	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	4.97	0.020	--	19.7	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.082	0.020	--	0.516	0.126	--		1
Trichloroethene	1.84	0.020	--	9.89	0.107	--		1
Tetrachloroethene	13.4	0.020	--	90.9	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	89		60-140
bromochloromethane	91		60-140
chlorobenzene-d5	95		60-140

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110920
Report Date: 03/11/21

SAMPLE RESULTS

Lab ID: L2110920-09
Client ID: SS-5
Sample Location: BRONX, NY

Date Collected: 03/04/21 17:30
Date Received: 03/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 03/11/21 06:05
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.472	0.200	--	2.33	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	0.264	0.200	--	0.584	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	2.31	1.00	--	5.49	2.38	--		1
Trichlorofluoromethane	0.244	0.200	--	1.37	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	1.01	0.500	--	3.51	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110920
Report Date: 03/11/21

SAMPLE RESULTS

Lab ID: L2110920-09
Client ID: SS-5
Sample Location: BRONX, NY

Date Collected: 03/04/21 17:30
Date Received: 03/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	1.32	0.200	--	6.45	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	1.19	0.200	--	4.19	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.982	0.200	--	3.14	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.522	0.200	--	1.80	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	0.541	0.200	--	2.53	0.934	--		1
Heptane	0.308	0.200	--	1.26	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.63	0.200	--	6.14	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	1.16	0.200	--	7.87	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110920
Report Date: 03/11/21

SAMPLE RESULTS

Lab ID: L2110920-09
Client ID: SS-5
Sample Location: BRONX, NY

Date Collected: 03/04/21 17:30
Date Received: 03/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	0.512	0.400	--	2.22	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.202	0.200	--	0.877	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.206	0.200	--	1.01	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	93		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	92		60-140

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110920
Report Date: 03/11/21

SAMPLE RESULTS

Lab ID: L2110920-10
Client ID: IA-10
Sample Location: BRONX, NY

Date Collected: 03/04/21 17:29
Date Received: 03/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/10/21 22:50
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.491	0.200	--	2.43	0.989	--		1
Chloromethane	0.591	0.200	--	1.22	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	0.342	0.200	--	0.757	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	58.0	5.00	--	109	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.57	1.00	--	6.10	2.38	--		1
Trichlorofluoromethane	0.254	0.200	--	1.43	1.12	--		1
Isopropanol	10.2	0.500	--	25.1	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	0.901	0.500	--	3.13	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: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110920
Report Date: 03/11/21

SAMPLE RESULTS

Lab ID: L2110920-10
Client ID: IA-10
Sample Location: BRONX, NY

Date Collected: 03/04/21 17:29
Date Received: 03/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	1.55	0.200	--	5.46	0.705	--		1
Benzene	1.02	0.200	--	3.26	0.639	--		1
Cyclohexane	0.741	0.200	--	2.55	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	0.633	0.200	--	2.96	0.934	--		1
Heptane	0.779	0.200	--	3.19	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	2.99	0.200	--	11.3	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.461	0.200	--	2.00	0.869	--		1
p/m-Xylene	1.69	0.400	--	7.34	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.617	0.200	--	2.68	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: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110920
Report Date: 03/11/21

SAMPLE RESULTS

Lab ID: L2110920-10
Client ID: IA-10
Sample Location: BRONX, NY

Date Collected: 03/04/21 17:29
Date Received: 03/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	0.425	0.200	--	2.09	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	95		60-140

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110920
Report Date: 03/11/21

SAMPLE RESULTS

Lab ID: L2110920-10
Client ID: IA-10
Sample Location: BRONX, NY

Date Collected: 03/04/21 17:29
Date Received: 03/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/10/21 22:50
Analyst: RY

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	0.085	0.020	--	0.337	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.065	0.020	--	0.409	0.126	--		1
Trichloroethene	0.041	0.020	--	0.220	0.107	--		1
Tetrachloroethene	0.284	0.020	--	1.93	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	89		60-140
bromochloromethane	90		60-140
chlorobenzene-d5	97		60-140

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110920
Report Date: 03/11/21

SAMPLE RESULTS

Lab ID: L2110920-11
Client ID: AA-1
Sample Location: BRONX, NY

Date Collected: 03/04/21 17:31
Date Received: 03/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/10/21 17:34
Analyst: RY

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.486	0.200	--	2.40	0.989	--		1
Chloromethane	0.614	0.200	--	1.27	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	9.63	5.00	--	18.1	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.58	1.00	--	3.75	2.38	--		1
Trichlorofluoromethane	0.256	0.200	--	1.44	1.12	--		1
Isopropanol	2.86	0.500	--	7.03	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	0.551	0.500	--	1.91	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: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110920
Report Date: 03/11/21

SAMPLE RESULTS

Lab ID: L2110920-11
Client ID: AA-1
Sample Location: BRONX, NY

Date Collected: 03/04/21 17:31
Date Received: 03/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	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	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
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110920
Report Date: 03/11/21

SAMPLE RESULTS

Lab ID: L2110920-11
Client ID: AA-1
Sample Location: BRONX, NY

Date Collected: 03/04/21 17:31
Date Received: 03/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-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	87		60-140
Bromochloromethane	87		60-140
chlorobenzene-d5	94		60-140

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110920
Report Date: 03/11/21

SAMPLE RESULTS

Lab ID: L2110920-11
Client ID: AA-1
Sample Location: BRONX, NY

Date Collected: 03/04/21 17:31
Date Received: 03/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/10/21 17:34
Analyst: RY

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
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	0.068	0.020	--	0.428	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.032	0.020	--	0.217	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	85		60-140
bromochloromethane	88		60-140
chlorobenzene-d5	95		60-140

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110920
Report Date: 03/11/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 03/10/21 15:02

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-11 Batch: WG1472876-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110920
Report Date: 03/11/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 03/10/21 15:02

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-11 Batch: WG1472876-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110920
Report Date: 03/11/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 03/10/21 15:02

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-11 Batch: WG1472876-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110920
Report Date: 03/11/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 03/10/21 15:41

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-02,04,06-08,10-11 Batch: WG1472879-4								
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: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE
Lab Number: L2110920
Report Date: 03/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-11 Batch: WG1472876-3								
Dichlorodifluoromethane	94		-		70-130	-		
Chloromethane	116		-		70-130	-		
Freon-114	100		-		70-130	-		
Vinyl chloride	116		-		70-130	-		
1,3-Butadiene	114		-		70-130	-		
Bromomethane	118		-		70-130	-		
Chloroethane	116		-		70-130	-		
Ethanol	98		-		40-160	-		
Vinyl bromide	117		-		70-130	-		
Acetone	95		-		40-160	-		
Trichlorofluoromethane	118		-		70-130	-		
Isopropanol	106		-		40-160	-		
1,1-Dichloroethene	116		-		70-130	-		
Tertiary butyl Alcohol	90		-		70-130	-		
Methylene chloride	122		-		70-130	-		
3-Chloropropene	**133**	Q	-		70-130	-		
Carbon disulfide	110		-		70-130	-		
Freon-113	127		-		70-130	-		
trans-1,2-Dichloroethene	111		-		70-130	-		
1,1-Dichloroethane	114		-		70-130	-		
Methyl tert butyl ether	97		-		70-130	-		
2-Butanone	117		-		70-130	-		
cis-1,2-Dichloroethene	113		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110920
Report Date: 03/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-11 Batch: WG1472876-3								
Ethyl Acetate	117		-		70-130	-		
Chloroform	101		-		70-130	-		
Tetrahydrofuran	115		-		70-130	-		
1,2-Dichloroethane	110		-		70-130	-		
n-Hexane	110		-		70-130	-		
1,1,1-Trichloroethane	109		-		70-130	-		
Benzene	96		-		70-130	-		
Carbon tetrachloride	105		-		70-130	-		
Cyclohexane	108		-		70-130	-		
1,2-Dichloropropane	122		-		70-130	-		
Bromodichloromethane	106		-		70-130	-		
1,4-Dioxane	116		-		70-130	-		
Trichloroethene	112		-		70-130	-		
2,2,4-Trimethylpentane	115		-		70-130	-		
Heptane	124		-		70-130	-		
cis-1,3-Dichloropropene	104		-		70-130	-		
4-Methyl-2-pentanone	128		-		70-130	-		
trans-1,3-Dichloropropene	89		-		70-130	-		
1,1,2-Trichloroethane	116		-		70-130	-		
Toluene	110		-		70-130	-		
2-Hexanone	120		-		70-130	-		
Dibromochloromethane	118		-		70-130	-		
1,2-Dibromoethane	99		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110920
Report Date: 03/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-11 Batch: WG1472876-3								
Tetrachloroethene	106		-		70-130	-		
Chlorobenzene	101		-		70-130	-		
Ethylbenzene	112		-		70-130	-		
p/m-Xylene	114		-		70-130	-		
Bromoform	117		-		70-130	-		
Styrene	98		-		70-130	-		
1,1,2,2-Tetrachloroethane	118		-		70-130	-		
o-Xylene	116		-		70-130	-		
4-Ethyltoluene	98		-		70-130	-		
1,3,5-Trimethylbenzene	101		-		70-130	-		
1,2,4-Trimethylbenzene	109		-		70-130	-		
Benzyl chloride	120		-		70-130	-		
1,3-Dichlorobenzene	108		-		70-130	-		
1,4-Dichlorobenzene	104		-		70-130	-		
1,2-Dichlorobenzene	109		-		70-130	-		
1,2,4-Trichlorobenzene	116		-		70-130	-		
Hexachlorobutadiene	116		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110920
Report Date: 03/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-02,04,06-08,10-11 Batch: WG1472879-3								
Vinyl chloride	109		-		70-130	-		25
1,1-Dichloroethene	110		-		70-130	-		25
cis-1,2-Dichloroethene	105		-		70-130	-		25
1,1,1-Trichloroethane	98		-		70-130	-		25
Carbon tetrachloride	98		-		70-130	-		25
Trichloroethene	100		-		70-130	-		25
Tetrachloroethene	99		-		70-130	-		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110920
Report Date: 03/11/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-11 QC Batch ID: WG1472876-5 QC Sample: L2110920-07 Client ID: IA-9						
Dichlorodifluoromethane	0.477	0.484	ppbV	1		25
Chloromethane	0.570	0.583	ppbV	2		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	8.68	8.76	ppbV	1		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	2.21	2.10	ppbV	5		25
Trichlorofluoromethane	0.248	0.257	ppbV	4		25
Isopropanol	2.40	2.44	ppbV	2		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: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110920
Report Date: 03/11/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-11 QC Batch ID: WG1472876-5 QC Sample: L2110920-07 Client ID: IA-9						
Chloroform	2.65	2.62	ppbV	1		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	0.240	0.236	ppbV	2		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	0.287	0.289	ppbV	1		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: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110920
Report Date: 03/11/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-11 QC Batch ID: WG1472876-5 QC Sample: L2110920-07 Client ID: IA-9						
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

Lab Duplicate Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110920
Report Date: 03/11/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-02,04,06-08,10-11 QC Batch ID: WG1472879-5 QC Sample: L2110920-07 Client ID: IA-9						
Vinyl chloride	0.249	0.247	ppbV	1		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
cis-1,2-Dichloroethene	5.23	5.20	ppbV	1		25
1,1,1-Trichloroethane	ND	ND	ppbV	NC		25
Carbon tetrachloride	0.077	0.076	ppbV	1		25
Trichloroethene	1.89	1.93	ppbV	2		25
Tetrachloroethene	13.6	13.8	ppbV	1		25

Project Name: 2921 WESTCHESTER AVE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110920

Report Date: 03/11/21

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2110920-01	IA-6	01500	Flow 4	02/23/21	343073		-	-	-	Pass	10.0	9.8	2
L2110920-01	IA-6	2070	6.0L Can	02/23/21	343073	L2104900-03	Pass	-29.6	-5.6	-	-	-	-
L2110920-02	IA-7	0904	Flow 4	02/23/21	343073		-	-	-	Pass	10.0	12.3	21
L2110920-02	IA-7	2524	6.0L Can	02/23/21	343073	L2107299-05	Pass	-29.5	-1.0	-	-	-	-
L2110920-03	SS-3	01602	Flow 4	02/23/21	343073		-	-	-	Pass	10.0	10.4	4
L2110920-03	SS-3	1670	6.0L Can	02/23/21	343073	L2107826-04	Pass	-29.1	-6.0	-	-	-	-
L2110920-04	IA-8	01097	Flow 4	02/23/21	343073		-	-	-	Pass	10.0	10.5	5
L2110920-04	IA-8	1666	6.0L Can	02/23/21	343073	L2107299-03	Pass	-29.4	-5.8	-	-	-	-
L2110920-05	SS-7	01774	Flow 4	02/23/21	343073		-	-	-	Pass	10.0	9.9	1
L2110920-05	SS-7	3392	6.0L Can	02/23/21	343073	L2107826-03	Pass	-29.4	-5.3	-	-	-	-
L2110920-06	IA-12	01540	Flow 3	02/23/21	343073		-	-	-	Pass	10.0	10.5	5
L2110920-06	IA-12	1708	6.0L Can	02/23/21	343073	L2107299-10	Pass	-29.3	-5.1	-	-	-	-
L2110920-07	IA-9	01647	Flow 4	02/23/21	343073		-	-	-	Pass	10.0	8.0	22
L2110920-07	IA-9	2965	6.0L Can	02/23/21	343073	L2107299-04	Pass	-29.5	-4.3	-	-	-	-
L2110920-08	IA-11	0788	Flow 5	02/23/21	343073		-	-	-	Pass	10.0	10.0	0

Project Name: 2921 WESTCHESTER AVE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110920

Report Date: 03/11/21

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2110920-08	IA-11	1665	6.0L Can	02/23/21	343073	L2106258-06	Pass	-29.7	-6.9	-	-	-	-
L2110920-09	SS-5	01501	Flow 4	02/23/21	343073		-	-	-	Pass	9.6	9.4	2
L2110920-09	SS-5	949	6.0L Can	02/23/21	343073	L2107826-03	Pass	-29.4	-6.7	-	-	-	-
L2110920-10	IA-10	0619	Flow 5	02/23/21	343073		-	-	-	Pass	10.0	9.9	1
L2110920-10	IA-10	690	6.0L Can	02/23/21	343073	L2104362-07	Pass	-29.3	-5.5	-	-	-	-
L2110920-11	AA-1	0250	Flow 5	02/23/21	343073		-	-	-	Pass	10.0	9.3	7
L2110920-11	AA-1	3321	6.0L Can	02/23/21	343073	L2104648-06	Pass	-29.5	-5.4	-	-	-	-
L2110920-12	UNUSED_CAN#2917	01503	Flow 4	02/23/21	343073		-	-	-	Pass	10.0	10.3	3
L2110920-12	UNUSED_CAN#2917	2917	6.0L Can	02/23/21	343073	L2107826-04	Pass	-29.0	-29.4	-	-	-	-
L2110920-13	UNUSED_CAN#2324	01633	Flow 4	02/23/21	343073		-	-	-	Pass	10.0	10.6	6
L2110920-13	UNUSED_CAN#2324	2324	6.0L Can	02/23/21	343073	L2107826-03	Pass	-29.6	-29.5	-	-	-	-
L2110920-14	UNUSED_CAN#2587	01802	Flow 3	02/23/21	343073		-	-	-	Pass	10.0	10.4	4
L2110920-14	UNUSED_CAN#2587	2587	6.0L Can	02/23/21	343073	L2107826-04	Pass	-29.5	-29.0	-	-	-	-
L2110920-15	UNUSED_CAN#985	0471	Flow 5	02/23/21	343073		-	-	-	Pass	10.0	10.3	3
L2110920-15	UNUSED_CAN#985	985	6.0L Can	02/23/21	343073	L2107826-03	Pass	-29.2	-29.4	-	-	-	-

Project Name: 2921 WESTCHESTER AVE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110920

Report Date: 03/11/21

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2110920-16	UNUSED_CAN#3445	01093	SV20	02/23/21	343073		-	-	-	Pass	18.5	17.8	4
L2110920-16	UNUSED_CAN#3445	3445	2.7L Can	02/23/21	343073	L2107555-06	Pass	-29.4	-29.4	-	-	-	-
L2110920-17	UNUSED_CAN#3205	01144	SV20	02/23/21	343073		-	-	-	Pass	18.8	18.4	2
L2110920-17	UNUSED_CAN#3205	3205	2.7L Can	02/23/21	343073	L2107555-06	Pass	-29.4	-29.3	-	-	-	-
L2110920-18	UNUSED_CAN#2591	01844	SV20	02/23/21	343073		-	-	-	Pass	18.7	18.6	1
L2110920-18	UNUSED_CAN#2591	2591	2.7L Can	02/23/21	343073	L2107555-06	Pass	-29.3	-29.2	-	-	-	-

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

Lab Number: L2104362
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2104362-07
Client ID: CAN 690 SHELF 38
Sample Location:

Date Collected: 01/28/21 09:00
Date Received: 01/28/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 01/29/21 18:36
Analyst: EW

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

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

Lab Number: L2104362
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2104362-07
Client ID: CAN 690 SHELF 38
Sample Location:

Date Collected: 01/28/21 09:00
Date Received: 01/28/21
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2104362
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2104362-07
Client ID: CAN 690 SHELF 38
Sample Location:

Date Collected: 01/28/21 09:00
Date Received: 01/28/21
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2104362
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2104362-07
Client ID: CAN 690 SHELF 38
Sample Location:

Date Collected: 01/28/21 09:00
Date Received: 01/28/21
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2104362
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2104362-07
Client ID: CAN 690 SHELF 38
Sample Location:

Date Collected: 01/28/21 09:00
Date Received: 01/28/21
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
No Tentatively Identified Compounds					

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	89		60-140

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

Lab Number: L2104362
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2104362-07
Client ID: CAN 690 SHELF 38
Sample Location:

Date Collected: 01/28/21 09:00
Date Received: 01/28/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 01/29/21 18:36
Analyst: EW

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

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

Lab Number: L2104362
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2104362-07
Client ID: CAN 690 SHELF 38
Sample Location:

Date Collected: 01/28/21 09:00
Date Received: 01/28/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

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

Lab Number: L2104362
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2104362-07
Client ID: CAN 690 SHELF 38
Sample Location:

Date Collected: 01/28/21 09:00
Date Received: 01/28/21
Field Prep: Not Specified

Sample Depth:

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	90		60-140
bromochloromethane	92		60-140
chlorobenzene-d5	88		60-140

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

Lab Number: L2104648
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2104648-06
Client ID: CAN 3321 SHELF 32
Sample Location:

Date Collected: 01/29/21 09:00
Date Received: 01/29/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 01/30/21 17:44
Analyst: TS

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

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

Lab Number: L2104648
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2104648-06
Client ID: CAN 3321 SHELF 32
Sample Location:

Date Collected: 01/29/21 09:00
Date Received: 01/29/21
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2104648
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2104648-06
Client ID: CAN 3321 SHELF 32
Sample Location:

Date Collected: 01/29/21 09:00
Date Received: 01/29/21
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2104648
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2104648-06
Client ID: CAN 3321 SHELF 32
Sample Location:

Date Collected: 01/29/21 09:00
Date Received: 01/29/21
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2104648
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2104648-06
Client ID: CAN 3321 SHELF 32
Sample Location:

Date Collected: 01/29/21 09:00
Date Received: 01/29/21
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

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

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

Lab Number: L2104648
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2104648-06
Client ID: CAN 3321 SHELF 32
Sample Location:

Date Collected: 01/29/21 09:00
Date Received: 01/29/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 01/30/21 17:44
Analyst: TS

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

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

Lab Number: L2104648
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2104648-06
Client ID: CAN 3321 SHELF 32
Sample Location:

Date Collected: 01/29/21 09:00
Date Received: 01/29/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

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

Lab Number: L2104648
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2104648-06
Client ID: CAN 3321 SHELF 32
Sample Location:

Date Collected: 01/29/21 09:00
Date Received: 01/29/21
Field Prep: Not Specified

Sample Depth:

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

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

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

Lab Number: L2104900
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2104900-03
Client ID: CAN 2070 SHELF 41
Sample Location:

Date Collected: 01/29/21 16:00
Date Received: 01/30/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 01/30/21 20:22
Analyst: TS

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

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

Lab Number: L2104900
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2104900-03
Client ID: CAN 2070 SHELF 41
Sample Location:

Date Collected: 01/29/21 16:00
Date Received: 01/30/21
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2104900
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2104900-03
Client ID: CAN 2070 SHELF 41
Sample Location:

Date Collected: 01/29/21 16:00
Date Received: 01/30/21
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2104900
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2104900-03
Client ID: CAN 2070 SHELF 41
Sample Location:

Date Collected: 01/29/21 16:00
Date Received: 01/30/21
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2104900
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2104900-03
Client ID: CAN 2070 SHELF 41
Sample Location:

Date Collected: 01/29/21 16:00
Date Received: 01/30/21
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

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

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

Lab Number: L2104900
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2104900-03
Client ID: CAN 2070 SHELF 41
Sample Location:

Date Collected: 01/29/21 16:00
Date Received: 01/30/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 01/30/21 20:22
Analyst: TS

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

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

Lab Number: L2104900
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2104900-03
Client ID: CAN 2070 SHELF 41
Sample Location:

Date Collected: 01/29/21 16:00
Date Received: 01/30/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

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

Lab Number: L2104900
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2104900-03
Client ID: CAN 2070 SHELF 41
Sample Location:

Date Collected: 01/29/21 16:00
Date Received: 01/30/21
Field Prep: Not Specified

Sample Depth:

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

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

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

Lab Number: L2106258
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2106258-06
Client ID: CAN 1665 SHELF 31
Sample Location:

Date Collected: 02/10/21 09:00
Date Received: 02/10/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 02/10/21 20:21
Analyst: TS

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

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

Lab Number: L2106258
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2106258-06
Client ID: CAN 1665 SHELF 31
Sample Location:

Date Collected: 02/10/21 09:00
Date Received: 02/10/21
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2106258
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2106258-06
Client ID: CAN 1665 SHELF 31
Sample Location:

Date Collected: 02/10/21 09:00
Date Received: 02/10/21
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2106258
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2106258-06
Client ID: CAN 1665 SHELF 31
Sample Location:

Date Collected: 02/10/21 09:00
Date Received: 02/10/21
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2106258
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2106258-06
Client ID: CAN 1665 SHELF 31
Sample Location:

Date Collected: 02/10/21 09:00
Date Received: 02/10/21
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
No Tentatively Identified Compounds					

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	84		60-140
Bromochloromethane	87		60-140
chlorobenzene-d5	84		60-140

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

Lab Number: L2106258
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2106258-06
Client ID: CAN 1665 SHELF 31
Sample Location:

Date Collected: 02/10/21 09:00
Date Received: 02/10/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/10/21 20:21
Analyst: TS

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

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

Lab Number: L2106258
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2106258-06
Client ID: CAN 1665 SHELF 31
Sample Location:

Date Collected: 02/10/21 09:00
Date Received: 02/10/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

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

Lab Number: L2106258
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2106258-06
Client ID: CAN 1665 SHELF 31
Sample Location:

Date Collected: 02/10/21 09:00
Date Received: 02/10/21
Field Prep: Not Specified

Sample Depth:

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	83		60-140
bromochloromethane	86		60-140
chlorobenzene-d5	83		60-140

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

Lab Number: L2107299
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2107299-03
Client ID: CAN 1666 SHELF 36
Sample Location:

Date Collected: 02/15/21 16:00
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 02/16/21 19:07
Analyst: TS

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

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

Lab Number: L2107299
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2107299-03
Client ID: CAN 1666 SHELF 36
Sample Location:

Date Collected: 02/15/21 16:00
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2107299
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2107299-03
Client ID: CAN 1666 SHELF 36
Sample Location:

Date Collected: 02/15/21 16:00
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2107299
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2107299-03
Client ID: CAN 1666 SHELF 36
Sample Location:

Date Collected: 02/15/21 16:00
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2107299
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2107299-03
Client ID: CAN 1666 SHELF 36
Sample Location:

Date Collected: 02/15/21 16:00
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	88		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	86		60-140

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

Lab Number: L2107299
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2107299-03
Client ID: CAN 1666 SHELF 36
Sample Location:

Date Collected: 02/15/21 16:00
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/16/21 19:07
Analyst: TS

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

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

Lab Number: L2107299
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2107299-03
Client ID: CAN 1666 SHELF 36
Sample Location:

Date Collected: 02/15/21 16:00
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

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

Lab Number: L2107299
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2107299-03
Client ID: CAN 1666 SHELF 36
Sample Location:

Date Collected: 02/15/21 16:00
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	87		60-140
bromochloromethane	91		60-140
chlorobenzene-d5	86		60-140

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

Lab Number: L2107299
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2107299-04
Client ID: CAN 2965 SHELF 37
Sample Location:

Date Collected: 02/15/21 16:00
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 02/16/21 19:48
Analyst: TS

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

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

Lab Number: L2107299
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2107299-04
Client ID: CAN 2965 SHELF 37
Sample Location:

Date Collected: 02/15/21 16:00
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2107299
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2107299-04
Client ID: CAN 2965 SHELF 37
Sample Location:

Date Collected: 02/15/21 16:00
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2107299
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2107299-04
Client ID: CAN 2965 SHELF 37
Sample Location:

Date Collected: 02/15/21 16:00
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2107299
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2107299-04
Client ID: CAN 2965 SHELF 37
Sample Location:

Date Collected: 02/15/21 16:00
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	87		60-140

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

Lab Number: L2107299
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2107299-04
Client ID: CAN 2965 SHELF 37
Sample Location:

Date Collected: 02/15/21 16:00
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/16/21 19:48
Analyst: TS

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

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

Lab Number: L2107299
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2107299-04
Client ID: CAN 2965 SHELF 37
Sample Location:

Date Collected: 02/15/21 16:00
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

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

Lab Number: L2107299
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2107299-04
Client ID: CAN 2965 SHELF 37
Sample Location:

Date Collected: 02/15/21 16:00
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	89		60-140
bromochloromethane	92		60-140
chlorobenzene-d5	87		60-140

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

Lab Number: L2107299
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2107299-05
Client ID: CAN 2524 SHELF 38
Sample Location:

Date Collected: 02/15/21 16:00
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 02/16/21 20:29
Analyst: TS

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

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

Lab Number: L2107299
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2107299-05
Client ID: CAN 2524 SHELF 38
Sample Location:

Date Collected: 02/15/21 16:00
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2107299
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2107299-05
Client ID: CAN 2524 SHELF 38
Sample Location:

Date Collected: 02/15/21 16:00
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2107299
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2107299-05
Client ID: CAN 2524 SHELF 38
Sample Location:

Date Collected: 02/15/21 16:00
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2107299
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2107299-05
Client ID: CAN 2524 SHELF 38
Sample Location:

Date Collected: 02/15/21 16:00
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	87		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	85		60-140

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

Lab Number: L2107299
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2107299-05
Client ID: CAN 2524 SHELF 38
Sample Location:

Date Collected: 02/15/21 16:00
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/16/21 20:29
Analyst: TS

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

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

Lab Number: L2107299
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2107299-05
Client ID: CAN 2524 SHELF 38
Sample Location:

Date Collected: 02/15/21 16:00
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

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

Lab Number: L2107299
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2107299-05
Client ID: CAN 2524 SHELF 38
Sample Location:

Date Collected: 02/15/21 16:00
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	87		60-140
bromochloromethane	90		60-140
chlorobenzene-d5	85		60-140

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

Lab Number: L2107299
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2107299-10
Client ID: CAN 1708 SHELF 32
Sample Location:

Date Collected: 02/16/21 07:00
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 02/16/21 23:53
Analyst: TS

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

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

Lab Number: L2107299
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2107299-10
Client ID: CAN 1708 SHELF 32
Sample Location:

Date Collected: 02/16/21 07:00
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2107299
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2107299-10
Client ID: CAN 1708 SHELF 32
Sample Location:

Date Collected: 02/16/21 07:00
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2107299
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2107299-10
Client ID: CAN 1708 SHELF 32
Sample Location:

Date Collected: 02/16/21 07:00
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2107299
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2107299-10
Client ID: CAN 1708 SHELF 32
Sample Location:

Date Collected: 02/16/21 07:00
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	90		60-140

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

Lab Number: L2107299
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2107299-10
Client ID: CAN 1708 SHELF 32
Sample Location:

Date Collected: 02/16/21 07:00
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/16/21 23:53
Analyst: TS

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

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

Lab Number: L2107299
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2107299-10
Client ID: CAN 1708 SHELF 32
Sample Location:

Date Collected: 02/16/21 07:00
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

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

Lab Number: L2107299
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2107299-10
Client ID: CAN 1708 SHELF 32
Sample Location:

Date Collected: 02/16/21 07:00
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	90		60-140
bromochloromethane	92		60-140
chlorobenzene-d5	89		60-140

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

Lab Number: L2107555
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2107555-06
Client ID: CAN 2076 SHELF 4
Sample Location:

Date Collected: 02/17/21 09:00
Date Received: 02/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 02/18/21 21:09
Analyst: EW

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

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

Lab Number: L2107555
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2107555-06
Client ID: CAN 2076 SHELF 4
Sample Location:

Date Collected: 02/17/21 09:00
Date Received: 02/17/21
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2107555
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2107555-06
Client ID: CAN 2076 SHELF 4
Sample Location:

Date Collected: 02/17/21 09:00
Date Received: 02/17/21
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2107555
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2107555-06
Client ID: CAN 2076 SHELF 4
Sample Location:

Date Collected: 02/17/21 09:00
Date Received: 02/17/21
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2107555
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2107555-06
Client ID: CAN 2076 SHELF 4
Sample Location:

Date Collected: 02/17/21 09:00
Date Received: 02/17/21
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	86		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	87		60-140

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

Lab Number: L2107555
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2107555-06
Client ID: CAN 2076 SHELF 4
Sample Location:

Date Collected: 02/17/21 09:00
Date Received: 02/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/18/21 21:09
Analyst: EW

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

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

Lab Number: L2107555
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2107555-06
Client ID: CAN 2076 SHELF 4
Sample Location:

Date Collected: 02/17/21 09:00
Date Received: 02/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

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

Lab Number: L2107555
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2107555-06
Client ID: CAN 2076 SHELF 4
Sample Location:

Date Collected: 02/17/21 09:00
Date Received: 02/17/21
Field Prep: Not Specified

Sample Depth:

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	86		60-140
bromochloromethane	91		60-140
chlorobenzene-d5	86		60-140

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

Lab Number: L2107826
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2107826-03
Client ID: CAN 629 SHELF 45
Sample Location:

Date Collected: 02/17/21 16:00
Date Received: 02/18/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 02/19/21 01:14
Analyst: EW

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

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

Lab Number: L2107826
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2107826-03
Client ID: CAN 629 SHELF 45
Sample Location:

Date Collected: 02/17/21 16:00
Date Received: 02/18/21
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2107826
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2107826-03
Client ID: CAN 629 SHELF 45
Sample Location:

Date Collected: 02/17/21 16:00
Date Received: 02/18/21
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2107826
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2107826-03
Client ID: CAN 629 SHELF 45
Sample Location:

Date Collected: 02/17/21 16:00
Date Received: 02/18/21
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2107826
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2107826-03
Client ID: CAN 629 SHELF 45
Sample Location:

Date Collected: 02/17/21 16:00
Date Received: 02/18/21
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	85		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	86		60-140

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

Lab Number: L2107826
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2107826-03
Client ID: CAN 629 SHELF 45
Sample Location:

Date Collected: 02/17/21 16:00
Date Received: 02/18/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/19/21 01:14
Analyst: EW

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

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

Lab Number: L2107826
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2107826-03
Client ID: CAN 629 SHELF 45
Sample Location:

Date Collected: 02/17/21 16:00
Date Received: 02/18/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

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

Lab Number: L2107826
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2107826-03
Client ID: CAN 629 SHELF 45
Sample Location:

Date Collected: 02/17/21 16:00
Date Received: 02/18/21
Field Prep: Not Specified

Sample Depth:

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	85		60-140
bromochloromethane	90		60-140
chlorobenzene-d5	85		60-140

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

Lab Number: L2107826
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2107826-04
Client ID: CAN 1848 SHELF 46
Sample Location:

Date Collected: 02/17/21 16:00
Date Received: 02/18/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 02/19/21 01:55
Analyst: EW

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

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

Lab Number: L2107826
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2107826-04
Client ID: CAN 1848 SHELF 46
Sample Location:

Date Collected: 02/17/21 16:00
Date Received: 02/18/21
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2107826
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2107826-04
Client ID: CAN 1848 SHELF 46
Sample Location:

Date Collected: 02/17/21 16:00
Date Received: 02/18/21
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2107826
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2107826-04
Client ID: CAN 1848 SHELF 46
Sample Location:

Date Collected: 02/17/21 16:00
Date Received: 02/18/21
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2107826
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2107826-04
Client ID: CAN 1848 SHELF 46
Sample Location:

Date Collected: 02/17/21 16:00
Date Received: 02/18/21
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	85		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	86		60-140

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

Lab Number: L2107826
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2107826-04
Client ID: CAN 1848 SHELF 46
Sample Location:

Date Collected: 02/17/21 16:00
Date Received: 02/18/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/19/21 01:55
Analyst: EW

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

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

Lab Number: L2107826
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2107826-04
Client ID: CAN 1848 SHELF 46
Sample Location:

Date Collected: 02/17/21 16:00
Date Received: 02/18/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

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

Lab Number: L2107826
Report Date: 03/11/21

Air Canister Certification Results

Lab ID: L2107826-04
Client ID: CAN 1848 SHELF 46
Sample Location:

Date Collected: 02/17/21 16:00
Date Received: 02/18/21
Field Prep: Not Specified

Sample Depth:

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	85		60-140
bromochloromethane	89		60-140
chlorobenzene-d5	85		60-140

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2110920
Report Date: 03/11/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
NA	Present/Intact

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2110920-01A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2110920-02A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2110920-03A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2110920-04A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2110920-05A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2110920-06A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2110920-07A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2110920-08A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2110920-09A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2110920-10A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2110920-11A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2110920-12A	Canister - 6 Liter	NA	NA			Y	Present/Intact		CLEAN-FEE()
L2110920-13A	Canister - 6 Liter	NA	NA			Y	Present/Intact		CLEAN-FEE()
L2110920-14A	Canister - 6 Liter	NA	NA			Y	Present/Intact		CLEAN-FEE()
L2110920-15A	Canister - 6 Liter	NA	NA			Y	Present/Intact		CLEAN-FEE()
L2110920-16A	Canister - 2.7 Liter	NA	NA			Y	Present/Intact		CLEAN-FEE()
L2110920-17A	Canister - 2.7 Liter	NA	NA			Y	Present/Intact		CLEAN-FEE()
L2110920-18A	Canister - 2.7 Liter	NA	NA			Y	Present/Intact		CLEAN-FEE()

*Values in parentheses indicate holding time in days

Project Name:	2921 WESTCHESTER AVE	**Lab Number:**	L2110920
Project Number:	2921 WESTCHESTER AVE	**Report Date:**	03/11/21

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report

Project Name:	2921 WESTCHESTER AVE	**Lab Number:**	L2110920
Project Number:	2921 WESTCHESTER AVE	**Report Date:**	03/11/21

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

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

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

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

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

Project Name:	2921 WESTCHESTER AVE	**Lab Number:**	L2110920
Project Number:	2921 WESTCHESTER AVE	**Report Date:**	03/11/21

Data Qualifiers

the identification is based on a mass spectral library search.

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

REFERENCES

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

LIMITATION OF LIABILITIES

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

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

Certification Information

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

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

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

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

Westborough Facility:

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

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

Mansfield Facility:

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

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

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

AIR ANALYSIS

PAGE 1 OF 2

ALPHA ANALYTICAL

CHAIN OF CUSTODY

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

Date Rec'd in Lab: 3/5/21

ALPHA Job #: L2110920

Client Information

Client: Tenen Environmental
Address: 121 West 27th Street Suite 702, NY, NY 10001
Phone: 646-606-2332
Fax: aplatt@tenen-env.com
Email: acarroll@tenen-env.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 2921 Westchester Ave
Project Location: Bronx, NY
Project #: 2921 Westchester Ave
Project Manager: A. 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: Cat B deliverables
Report to: (if different than Project Manager)

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments: Cat B deliverables ~~[illegible]~~ (AP)

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller	TO-15	TO-15 SIM	APH Sulfiner Non-petroleum HCs ☐	Fixed Gases	Sulfides & Mercaptans by TO-15		Sample Comments (i.e. PID)
L2110920-01	IA-6	3/4/21	9:57	17:57	-29.80	-6.72	AA	AP	6L	2070	01500	X						Site
-02	IA-7		9:40	17:40	-30.10	-2.21	AA			2524	0904	X						Site
-03	SS-3		10:32	18:22	-30.29	-7.19	SV			1670	01602	X						Barber
-04	IA-8		10:31	18:21	-30.11	-7.00	AA			1666	01097	X						Barber
-05	SS-7		10:29	18:19	-30.40	-6.59	SV			3392	01774	X						Barber
-06	IA-12		10:30	18:20	-29.86	-6.40	AA			1708	01540	X						Barber
-07	IA-9		9:45	17:45	-30.11	-5.87	AA			2965	01647	X						Boost Mobile
-08	IA-11		9:47	17:46	-30.30	-8.45	AA			1665	0788	X						Boost Mobile
-09	SS-5		9:29	17:30	-30.30	-8.63	SV			949	01501	X						Tri-State
-10	IA-10		9:30	17:29	-29.71	-6.80	AA			690	0619	X						Tri-State

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

Container Type: Summa

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

Relinquished By:	Date/Time	Received By:	Date/Time:
A. Platt / Tenen	3/4/21 18:30	[illegible]	3/4/21 18:30
[illegible]	3/4/21 20:15		

Form No: 101-02 Rev: (25-Sep-15)

AIR ANALYSIS

PAGE 2 OF 2

ALPHA ANALYTICAL — CHAIN OF CUSTODY

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

Date Rec'd in Lab:

ALPHA Job #:

Client Information

Client: Tenen Environmental
Address: 121 West 27th Street Suite 702, NY, NY 10001
Phone: 646-606-2332
Fax: aplatt@tenen-env.com
Email: acarroll@tenen-env.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 2921 Westchester Ave
Project Location: Bronx, NY
Project #: 2921 Westchester Ave
Project Manager: A. 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: Cat B deliverables
Report to: (if different than Project Manager)

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments: Cat B deliverables

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-15	TO-15 SIM	APH (Subtract Non-petroleum HCs) ☐	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
-11	AA-1	3/4/21	9:33	17:31	-30.50	-7.16	AA	AP	6L	3321	0250	X					Ambient

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

Container Type: Summa

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

Relinquished By:	Date/Time	Received By:	Date/Time:
A. Platt / Tenen	3/4/21 18:30	[illegible]	3/4/21 18:30
[illegible]	3/4/21 20:18	[illegible]	
[illegible]			

ANALYTICAL REPORT

Lab Number:	L2137792
Client:	Tenen Environmental, LLC 121 West 27th Street Suite 702 New York City, NY 10001
ATTN:	Alana Carroll
Phone:	(646) 606-2332
Project Name:	2921 WESTCHESTER AVENUE
Project Number:	2921 WESTCHESTER AVE
Report Date:	08/03/21

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: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2137792
Report Date: 08/03/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2137792-01	MW-6	WATER	BRONX, NY	07/14/21 10:00	07/14/21
L2137792-02	FIELD BLANK	WATER	BRONX, NY	07/14/21 11:15	07/14/21

Project Name:	2921 WESTCHESTER AVENUE	**Lab Number:**	L2137792
Project Number:	2921 WESTCHESTER AVE	**Report Date:**	08/03/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	2921 WESTCHESTER AVENUE	**Lab Number:**	L2137792
Project Number:	2921 WESTCHESTER AVE	**Report Date:**	08/03/21

Case Narrative (continued)

Report Submission

August 03, 2021: This final report includes the results of all requested analyses.

July 21, 2021: This is a preliminary report.

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

Semivolatile Organics

L2137792-01: The sample has elevated detection limits due to limited sample volume available for analysis.

Semivolatile Organics by SIM

L2137792-01: The sample has elevated detection limits due to limited sample volume available for analysis.

Perfluorinated Alkyl Acids by Isotope Dilution

L2137792-01: The MeOH fraction of the extraction is reported for Perfluorooctanesulfonamide (FOSA) due to better extraction efficiency of the M8FOSA Surrogate (Extracted Internal Standard).

L2137792-01: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

L2137792-01: The sample has elevated detection limits due to limited sample volume available for analysis.

PCBs

L2137792-01: The sample has elevated detection limits due to limited sample volume available for analysis.

Pesticides

L2137792-01: The sample has elevated detection limits due to limited sample volume available for analysis.

Herbicides

Project Name:	2921 WESTCHESTER AVENUE	**Lab Number:**	L2137792
Project Number:	2921 WESTCHESTER AVE	**Report Date:**	08/03/21

Case Narrative (continued)

L2137792-01: The sample has elevated detection limits due to limited sample volume available for analysis.

Total Metals

The WG1524351-3 MS recoveries for aluminum (228%), iron (180%), sodium (55%), performed on L2137792-01, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG1524351-3 MS recovery, performed on L2137792-01, is outside the acceptance criteria for antimony (45%). A post digestion spike was performed and was within acceptance criteria.

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

Authorized Signature: Jennifer L Clements

Title: Technical Director/Representative

Date: 08/03/21

ORGANICS

SEMIVOLATILES

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2137792
Report Date: 08/03/21

SAMPLE RESULTS

Lab ID: L2137792-01
Client ID: MW-6
Sample Location: BRONX, NY

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 07/18/21 13:01
Analyst: JG

Date Collected: 07/14/21 10:00
Date Received: 07/14/21
Field Prep: Not Specified

Extraction Method: EPA 3510C
Extraction Date: 07/17/21 11:34

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	11	1.1	1
Bis(2-chloroethyl)ether	ND		ug/l	4.4	1.1	1
1,2-Dichlorobenzene	ND		ug/l	4.4	1.0	1
1,3-Dichlorobenzene	ND		ug/l	4.4	0.89	1
1,4-Dichlorobenzene	ND		ug/l	4.4	0.95	1
3,3'-Dichlorobenzidine	ND		ug/l	11	3.6	1
2,4-Dinitrotoluene	ND		ug/l	11	2.6	1
2,6-Dinitrotoluene	ND		ug/l	11	2.0	1
4-Chlorophenyl phenyl ether	ND		ug/l	4.4	1.1	1
4-Bromophenyl phenyl ether	ND		ug/l	4.4	0.83	1
Bis(2-chloroisopropyl)ether	ND		ug/l	4.4	1.2	1
Bis(2-chloroethoxy)methane	ND		ug/l	11	1.1	1
Hexachlorocyclopentadiene	ND		ug/l	44	1.5	1
Isophorone	ND		ug/l	11	2.6	1
Nitrobenzene	ND		ug/l	4.4	1.7	1
NDPA/DPA	ND		ug/l	4.4	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	11	1.4	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	6.6	3.4	1
Butyl benzyl phthalate	ND		ug/l	11	2.6	1
Di-n-butylphthalate	0.89	J	ug/l	11	0.86	1
Di-n-octylphthalate	ND		ug/l	11	2.8	1
Diethyl phthalate	ND		ug/l	11	0.84	1
Dimethyl phthalate	ND		ug/l	11	4.0	1
Biphenyl	ND		ug/l	4.4	1.0	1
4-Chloroaniline	ND		ug/l	11	2.4	1
2-Nitroaniline	ND		ug/l	11	1.1	1
3-Nitroaniline	ND		ug/l	11	1.8	1
4-Nitroaniline	ND		ug/l	11	1.8	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2137792

Project Number: 2921 WESTCHESTER A\ **Report Date:** 08/03/21

SAMPLE RESULTS

Lab ID: L2137792-01 Date Collected: 07/14/21 10:00

Client ID: MW-6 Date Received: 07/14/21

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	4.4	1.1	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	22	0.97	1
Acetophenone	ND		ug/l	11	1.2	1
2,4,6-Trichlorophenol	ND		ug/l	11	1.3	1
p-Chloro-m-cresol	ND		ug/l	4.4	0.77	1
2-Chlorophenol	ND		ug/l	4.4	1.0	1
2,4-Dichlorophenol	ND		ug/l	11	0.90	1
2,4-Dimethylphenol	ND		ug/l	11	3.9	1
2-Nitrophenol	ND		ug/l	22	1.9	1
4-Nitrophenol	ND		ug/l	22	1.5	1
2,4-Dinitrophenol	ND		ug/l	44	15.	1
4,6-Dinitro-o-cresol	ND		ug/l	22	4.0	1
Phenol	ND		ug/l	11	1.2	1
2-Methylphenol	ND		ug/l	11	1.1	1
3-Methylphenol/4-Methylphenol	ND		ug/l	11	1.0	1
2,4,5-Trichlorophenol	ND		ug/l	11	1.7	1
Benzoic Acid	ND		ug/l	110	5.8	1
Benzyl Alcohol	ND		ug/l	4.4	1.3	1
Carbazole	ND		ug/l	4.4	1.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		21-120
Phenol-d6	43		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	53		15-120
2,4,6-Tribromophenol	62		10-120
4-Terphenyl-d14	59		41-149

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2137792
Report Date: 08/03/21

SAMPLE RESULTS

Lab ID: L2137792-01
Client ID: MW-6
Sample Location: BRONX, NY

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 07/16/21 04:45
Analyst: DB

Date Collected: 07/14/21 10:00
Date Received: 07/14/21
Field Prep: Not Specified

Extraction Method: EPA 3510C
Extraction Date: 07/15/21 14:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	150	33.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	59		15-110

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2137792
Report Date: 08/03/21

SAMPLE RESULTS

Lab ID: L2137792-01
Client ID: MW-6
Sample Location: BRONX, NY

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 07/18/21 12:58
Analyst: RP

Date Collected: 07/14/21 10:00
Date Received: 07/14/21
Field Prep: Not Specified

Extraction Method: EPA 3510C
Extraction Date: 07/17/21 11:35

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.22	0.03	1
2-Chloronaphthalene	ND		ug/l	0.44	0.04	1
Fluoranthene	ND		ug/l	0.22	0.05	1
Hexachlorobutadiene	ND		ug/l	1.1	0.10	1
Naphthalene	ND		ug/l	0.22	0.11	1
Benzo(a)anthracene	ND		ug/l	0.22	0.04	1
Benzo(a)pyrene	ND		ug/l	0.22	0.03	1
Benzo(b)fluoranthene	ND		ug/l	0.22	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.22	0.02	1
Chrysene	ND		ug/l	0.22	0.03	1
Acenaphthylene	ND		ug/l	0.22	0.03	1
Anthracene	ND		ug/l	0.22	0.03	1
Benzo(ghi)perylene	ND		ug/l	0.22	0.03	1
Fluorene	ND		ug/l	0.22	0.03	1
Phenanthrene	ND		ug/l	0.22	0.05	1
Dibenzo(a,h)anthracene	ND		ug/l	0.22	0.03	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.22	0.03	1
Pyrene	ND		ug/l	0.22	0.04	1
2-Methylnaphthalene	ND		ug/l	0.22	0.05	1
Pentachlorophenol	ND		ug/l	1.8	0.03	1
Hexachlorobenzene	ND		ug/l	1.8	0.02	1
Hexachloroethane	ND		ug/l	1.8	0.14	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2137792

Project Number: 2921 WESTCHESTER A\ **Report Date:** 08/03/21

SAMPLE RESULTS

Lab ID: L2137792-01 Date Collected: 07/14/21 10:00

Client ID: MW-6 Date Received: 07/14/21

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	57		21-120
Phenol-d6	52		10-120
Nitrobenzene-d5	57		23-120
2-Fluorobiphenyl	55		15-120
2,4,6-Tribromophenol	94		10-120
4-Terphenyl-d14	59		41-149

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2137792
Report Date: 08/03/21

SAMPLE RESULTS

Lab ID: L2137792-01
Client ID: MW-6
Sample Location: BRONX, NY

Date Collected: 07/14/21 10:00
Date Received: 07/14/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 07/20/21 04:07
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 07/16/21 12:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	7.71		ng/l	2.83	0.578	1
Perfluoropentanoic Acid (PFPeA)	8.81		ng/l	2.83	0.561	1
Perfluorobutanesulfonic Acid (PFBS)	22.6		ng/l	2.83	0.337	1
Perfluorohexanoic Acid (PFHxA)	12.0		ng/l	2.83	0.464	1
Perfluoroheptanoic Acid (PFHpA)	4.19		ng/l	2.83	0.319	1
Perfluorohexanesulfonic Acid (PFHxS)	0.900	J	ng/l	2.83	0.532	1
Perfluorooctanoic Acid (PFOA)	9.63		ng/l	2.83	0.334	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	29.4		ng/l	2.83	1.88	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.83	0.974	1
Perfluorononanoic Acid (PFNA)	3.23		ng/l	2.83	0.442	1
Perfluorooctanesulfonic Acid (PFOS)	38.1		ng/l	2.83	0.714	1
Perfluorodecanoic Acid (PFDA)	6.72		ng/l	2.83	0.430	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.83	1.72	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.83	0.917	1
Perfluoroundecanoic Acid (PFUnA)	0.719	J	ng/l	2.83	0.368	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.83	1.39	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.83	1.14	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.83	0.527	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.83	0.463	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.83	0.351	1
PFOA/PFOS, Total	47.7		ng/l	2.83	0.334	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2137792

Project Number: 2921 WESTCHESTER A\ **Report Date:** 08/03/21

SAMPLE RESULTS

Lab ID: L2137792-01 Date Collected: 07/14/21 10:00

Client ID: MW-6 Date Received: 07/14/21

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 (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	102		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	101		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	122		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	84		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	94		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	125		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	104		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**348**	Q	14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	107		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	116		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	102		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	**240**	Q	10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	100		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	106		55-137
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	95		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	101		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	92		22-136

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2137792
Report Date: 08/03/21

SAMPLE RESULTS

Lab ID: L2137792-01
Client ID: MW-6
Sample Location: BRONX, NY

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 07/22/21 18:58
Analyst: RS

Date Collected: 07/14/21 10:00
Date Received: 07/14/21
Field Prep: Not Specified

Extraction Method: ALPHA 23528
Extraction Date: 07/16/21 12:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.83	0.821	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	78		10-112

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2137792
Report Date: 08/03/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 07/16/21 01:31
Analyst: DB

Extraction Method: EPA 3510C
Extraction Date: 07/15/21 14:00

Parameter	Result	Qualifier	Units	RL	MDL
1,4 Dioxane by 8270D-SIM - Mansfield Lab for sample(s): 01 Batch: WG1524273-1					
1,4-Dioxane	ND		ng/l	150	33.9

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	31		15-110

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2137792
Report Date: 08/03/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 07/20/21 03:34
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 07/16/21 12:43

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01 Batch: WG1524700-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	ND		ng/l	2.00	0.236

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2137792
Report Date: 08/03/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 07/20/21 03:34
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 07/16/21 12:43

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01 Batch: WG1524700-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	116		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	125		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	123		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	112		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	112		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	123		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	117		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	132		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	117		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	118		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	117		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	126		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	105		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	121		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	19		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	110		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	112		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	114		22-136

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2137792
Report Date: 08/03/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 07/20/21 14:11
Analyst: MP

Extraction Method: ALPHA 23528
Extraction Date: 07/16/21 12:43

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01 Batch: WG1524700-1					
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	92		10-112

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2137792
Report Date: 08/03/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 07/17/21 20:12
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 07/16/21 16:08

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1524767-1					
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: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2137792
Report Date: 08/03/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 07/17/21 20:12
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 07/16/21 16:08

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1524767-1					
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: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2137792
Report Date: 08/03/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 07/17/21 20:12
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 07/16/21 16:08

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1524767-1					
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Pentachlorophenol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.59
Carbazole	ND		ug/l	2.0	0.49

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		21-120
Phenol-d6	52		10-120
Nitrobenzene-d5	92		23-120
2-Fluorobiphenyl	92		15-120
2,4,6-Tribromophenol	71		10-120
4-Terphenyl-d14	93		41-149

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2137792
Report Date: 08/03/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 07/21/21 15:43
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 07/16/21 16:08

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG1524768-1					
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	0.03	J	ug/l	0.10	0.01
Benzo(k)fluoranthene	0.01	J	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	0.02	J	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	0.02	J	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: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2137792
Report Date: 08/03/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 07/21/21 15:43
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 07/16/21 16:08

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG1524768-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		21-120
Phenol-d6	56		10-120
Nitrobenzene-d5	100		23-120
2-Fluorobiphenyl	100		15-120
2,4,6-Tribromophenol	58		10-120
4-Terphenyl-d14	102		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2137792

Report Date: 08/03/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270D-SIM - Mansfield Lab Associated sample(s): 01 Batch: WG1524273-2 WG1524273-3								
1,4-Dioxane	120		119		40-140	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,4-Dioxane-d8	39		38		15-110

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2137792
Report Date: 08/03/21

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 Batch: WG1524700-2								
Perfluorobutanoic Acid (PFBA)	125		-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	126		-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	124		-		65-157	-		30
Perfluorohexanoic Acid (PFHxA)	125		-		69-168	-		30
Perfluoroheptanoic Acid (PFHpA)	123		-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	119		-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	123		-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	140		-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	129		-		61-179	-		30
Perfluorononanoic Acid (PFNA)	121		-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	128		-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	124		-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	146		-		56-173	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	130		-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	123		-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	128		-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	133		-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	125		-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	122		-		67-153	-		30
Perfluorotridecanoic Acid (PFTrDA)	143		-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	125		-		59-182	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2137792

Report Date: 08/03/21

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 Batch: WG1524700-2

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	117				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	126				62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	125				70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	114				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	114				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	126				71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	117				62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	139				14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	118				59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	122				69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	117				62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	134				10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	111				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	123				55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	23				10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	110				27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	115				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	117				22-136

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2137792

Report Date: 08/03/21

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 Batch: WG1524700-2								
Perfluorooctanesulfonamide (FOSA)	96		-		46-170	-		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	97				10-112

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2137792
Report Date: 08/03/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1524767-2 WG1524767-3								
Acenaphthene	78		69		37-111	12		30
1,2,4-Trichlorobenzene	80		62		39-98	25		30
Hexachlorobenzene	83		75		40-140	10		30
Bis(2-chloroethyl)ether	69		56		40-140	21		30
2-Chloronaphthalene	77		65		40-140	17		30
1,2-Dichlorobenzene	74		60		40-140	21		30
1,3-Dichlorobenzene	72		59		40-140	20		30
1,4-Dichlorobenzene	74		60		36-97	21		30
3,3'-Dichlorobenzidine	69		58		40-140	17		30
2,4-Dinitrotoluene	90		81		48-143	11		30
2,6-Dinitrotoluene	86		70		40-140	21		30
Fluoranthene	80		72		40-140	11		30
4-Chlorophenyl phenyl ether	83		73		40-140	13		30
4-Bromophenyl phenyl ether	83		73		40-140	13		30
Bis(2-chloroisopropyl)ether	65		52		40-140	22		30
Bis(2-chloroethoxy)methane	71		58		40-140	20		30
Hexachlorobutadiene	81		67		40-140	19		30
Hexachlorocyclopentadiene	84		69		40-140	20		30
Hexachloroethane	72		58		40-140	22		30
Isophorone	65		54		40-140	18		30
Naphthalene	74		61		40-140	19		30
Nitrobenzene	77		61		40-140	23		30
NDPA/DPA	78		69		40-140	12		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2137792
Report Date: 08/03/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1524767-2 WG1524767-3								
n-Nitrosodi-n-propylamine	69		58		29-132	17		30
Bis(2-ethylhexyl)phthalate	74		65		40-140	13		30
Butyl benzyl phthalate	73		63		40-140	15		30
Di-n-butylphthalate	70		65		40-140	7		30
Di-n-octylphthalate	66		59		40-140	11		30
Diethyl phthalate	77		69		40-140	11		30
Dimethyl phthalate	77		67		40-140	14		30
Benzo(a)anthracene	85		73		40-140	15		30
Benzo(a)pyrene	87		80		40-140	8		30
Benzo(b)fluoranthene	87		77		40-140	12		30
Benzo(k)fluoranthene	90		80		40-140	12		30
Chrysene	87		78		40-140	11		30
Acenaphthylene	75		64		45-123	16		30
Anthracene	83		74		40-140	11		30
Benzo(ghi)perylene	91		83		40-140	9		30
Fluorene	78		71		40-140	9		30
Phenanthrene	83		74		40-140	11		30
Dibenzo(a,h)anthracene	91		82		40-140	10		30
Indeno(1,2,3-cd)pyrene	84		76		40-140	10		30
Pyrene	80		70		26-127	13		30
Biphenyl	77		65		40-140	17		30
4-Chloroaniline	59		61		40-140	3		30
2-Nitroaniline	83		69		52-143	18		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2137792
Report Date: 08/03/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1524767-2 WG1524767-3								
3-Nitroaniline	73		65		25-145	12		30
4-Nitroaniline	75		67		51-143	11		30
Dibenzofuran	80		71		40-140	12		30
2-Methylnaphthalene	75		64		40-140	16		30
1,2,4,5-Tetrachlorobenzene	86		71		2-134	19		30
Acetophenone	67		54		39-129	21		30
2,4,6-Trichlorophenol	86		71		30-130	19		30
p-Chloro-m-cresol	76		68		23-97	11		30
2-Chlorophenol	77		62		27-123	22		30
2,4-Dichlorophenol	79		65		30-130	19		30
2,4-Dimethylphenol	68		55		30-130	21		30
2-Nitrophenol	91		72		30-130	23		30
4-Nitrophenol	71		63		10-80	12		30
2,4-Dinitrophenol	85		81		20-130	5		30
4,6-Dinitro-o-cresol	103		93		20-164	10		30
Pentachlorophenol	62		59		9-103	5		30
Phenol	49		44		12-110	11		30
2-Methylphenol	66		56		30-130	16		30
3-Methylphenol/4-Methylphenol	73		64		30-130	13		30
2,4,5-Trichlorophenol	86		69		30-130	22		30
Benzoic Acid	42		42		10-164	0		30
Benzyl Alcohol	64		48		26-116	29		30
Carbazole	81		71		55-144	13		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2137792
Report Date: 08/03/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1524767-2 WG1524767-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	69		58		21-120
Phenol-d6	55		47		10-120
Nitrobenzene-d5	88		73		23-120
2-Fluorobiphenyl	86		73		15-120
2,4,6-Tribromophenol	100		87		10-120
4-Terphenyl-d14	90		80		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2137792
Report Date: 08/03/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG1524768-2 WG1524768-3								
Acenaphthene	99		82		40-140	19		40
2-Chloronaphthalene	97		80		40-140	19		40
Fluoranthene	103		80		40-140	25		40
Hexachlorobutadiene	89		74		40-140	18		40
Naphthalene	93		77		40-140	19		40
Benzo(a)anthracene	102		82		40-140	22		40
Benzo(a)pyrene	112		89		40-140	23		40
Benzo(b)fluoranthene	106		82		40-140	26		40
Benzo(k)fluoranthene	108		88		40-140	20		40
Chrysene	103		81		40-140	24		40
Acenaphthylene	97		79		40-140	20		40
Anthracene	103		82		40-140	23		40
Benzo(ghi)perylene	117		93		40-140	23		40
Fluorene	92		74		40-140	22		40
Phenanthrene	100		80		40-140	22		40
Dibenzo(a,h)anthracene	118		94		40-140	23		40
Indeno(1,2,3-cd)pyrene	118		94		40-140	23		40
Pyrene	101		80		40-140	23		40
2-Methylnaphthalene	96		79		40-140	19		40
Pentachlorophenol	88		73		40-140	19		40
Hexachlorobenzene	98		80		40-140	20		40
Hexachloroethane	87		72		40-140	19		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2137792
Report Date: 08/03/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG1524768-2 WG1524768-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	74		59		21-120
Phenol-d6	62		51		10-120
Nitrobenzene-d5	98		81		23-120
2-Fluorobiphenyl	102		85		15-120
2,4,6-Tribromophenol	85		61		10-120
4-Terphenyl-d14	109		86		41-149

Matrix Spike Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2137792

Report Date: 08/03/21

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 QC Batch ID: WG1524700-3 QC Sample: L2138096-01 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	0.634J	36.2	48.5	132		-	-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	0.708J	36.2	49.3	134		-	-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	ND	32.2	41.7	130		-	-		65-157	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	33.9	50.0	147		-	-		37-219	-		30
Perfluorohexanoic Acid (PFHxA)	0.559J	36.2	48.9	133		-	-		69-168	-		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	34	42.1	124		-	-		52-156	-		30
Perfluoroheptanoic Acid (PFHpA)	ND	36.2	47.9	132		-	-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	0.626J	33.1	45.1	134		-	-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	0.296J	36.2	47.8	131		-	-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	1.67J	34.5	50.4	141		-	-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	34.5	49.7	144		-	-		61-179	-		30
Perfluorononanoic Acid (PFNA)	ND	36.2	46.1	127		-	-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	ND	33.6	46.2	137		-	-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	ND	36.2	47.5	131		-	-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	34.8	53.4	154		-	-		56-173	-		30
Perfluorononanesulfonic Acid (PFNS)	ND	34.8	45.0	129		-	-		48-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	36.2	47.6	131		-	-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	ND	36.2	46.8	129		-	-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	ND	34.9	45.4	130		-	-		38-156	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	36.2	40.7	112		-	-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	ND	36.2	48.7	134		-	-		67-153	-		30
Perfluorotridecanoic Acid (PFTrDA)	ND	36.2	53.1	147		-	-		48-158	-		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2137792

Report Date: 08/03/21

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 QC Batch ID: WG1524700-3 QC Sample: L2138096-01 Client ID: MS Sample												
Perfluorotetradecanoic Acid (PFTA)	ND	36.2	48.1	133		-	-		59-182	-		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	122				10-162
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	**186**	Q			12-142
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**153**	Q			14-147
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	91				27-126
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	86				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	108				55-137
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	104				62-124
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	95				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	99				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	123				71-134
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	106				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	109				22-136
Perfluoro[13C4]Butanoic Acid (MPFBA)	100				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	100				62-163
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	120				69-131
Perfluoro[13C8]Octanoic Acid (M8PFOA)	101				62-129
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	102				59-139
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	129				70-131

Matrix Spike Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2137792

Report Date: 08/03/21

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 QC Batch ID: WG1524700-3 QC Sample: L2138096-01 Client ID: MS Sample												
Perfluorooctanesulfonamide (FOSA)	ND	36.2	36.2	100		-	-		46-170	-		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	91				10-112

Lab Duplicate Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2137792
Report Date: 08/03/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1524700-4 QC Sample: L2138096-02 Client ID: DUP Sample						
Perfluorooctanesulfonamide (FOSA)	ND	ND	ng/l	NC		30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	83		91		10-112

Lab Duplicate Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2137792
Report Date: 08/03/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1524700-4 QC Sample: L2138096-02 Client ID: DUP Sample						
Perfluorobutanoic Acid (PFBA)	ND	ND	ng/l	NC		30
Perfluoropentanoic Acid (PFPeA)	ND	ND	ng/l	NC		30
Perfluorobutanesulfonic Acid (PFBS)	ND	ND	ng/l	NC		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	ND	ng/l	NC		30
Perfluorohexanoic Acid (PFHxA)	0.351J	0.406JF	ng/l	NC		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	ND	ng/l	NC		30
Perfluoroheptanoic Acid (PFHpA)	ND	ND	ng/l	NC		30
Perfluorohexanesulfonic Acid (PFHxS)	0.516J	0.511J	ng/l	NC		30
Perfluorooctanoic Acid (PFOA)	0.234J	0.220J	ng/l	NC		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	ND	ng/l	NC		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	ND	ng/l	NC		30
Perfluorononanoic Acid (PFNA)	ND	ND	ng/l	NC		30
Perfluorooctanesulfonic Acid (PFOS)	1.31J	1.41J	ng/l	NC		30
Perfluorodecanoic Acid (PFDA)	ND	ND	ng/l	NC		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	ND	ng/l	NC		30
Perfluorononanesulfonic Acid (PFNS)	ND	ND	ng/l	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	ND	ng/l	NC		30
Perfluoroundecanoic Acid (PFUnA)	ND	ND	ng/l	NC		30
Perfluorodecanesulfonic Acid (PFDS)	ND	ND	ng/l	NC		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	ND	ng/l	NC		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2137792
Report Date: 08/03/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1524700-4 QC Sample: L2138096-02 Client ID: DUP Sample						
Perfluorododecanoic Acid (PFDoA)	ND	ND	ng/l	NC		30
Perfluorotridecanoic Acid (PFTrDA)	ND	ND	ng/l	NC		30
Perfluorotetradecanoic Acid (PFTA)	ND	ND	ng/l	NC		30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	105		88		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	102		87		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	126		120		70-131
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	**218**	Q	**205**	Q	12-142
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	94		77		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	103		86		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	123		115		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	107		90		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**202**	Q	**201**	Q	14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	108		93		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	118		117		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	103		94		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	119		127		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	80		64		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	108		106		55-137
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	82		71		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	92		97		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	100		99		22-136

PCBS

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2137792
Report Date: 08/03/21

SAMPLE RESULTS

Lab ID: L2137792-01
Client ID: MW-6
Sample Location: BRONX, NY

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 07/18/21 22:20
Analyst: JAW

Date Collected: 07/14/21 10:00
Date Received: 07/14/21
Field Prep: Not Specified

Extraction Method: EPA 3510C
Extraction Date: 07/17/21 07:22
Cleanup Method: EPA 3665A
Cleanup Date: 07/17/21
Cleanup Method: EPA 3660B
Cleanup Date: 07/18/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.139	0.119	1	A
Aroclor 1221	ND		ug/l	0.139	0.119	1	A
Aroclor 1232	ND		ug/l	0.139	0.119	1	A
Aroclor 1242	ND		ug/l	0.139	0.119	1	A
Aroclor 1248	ND		ug/l	0.139	0.119	1	A
Aroclor 1254	ND		ug/l	0.139	0.119	1	A
Aroclor 1260	ND		ug/l	0.139	0.119	1	A
Aroclor 1262	ND		ug/l	0.139	0.119	1	A
Aroclor 1268	ND		ug/l	0.139	0.119	1	A
PCBs, Total	ND		ug/l	0.139	0.119	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	60		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2137792
Report Date: 08/03/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 07/18/21 21:56
Analyst: JAW

Extraction Method: EPA 3510C
Extraction Date: 07/17/21 07:22
Cleanup Method: EPA 3665A
Cleanup Date: 07/17/21
Cleanup Method: EPA 3660B
Cleanup Date: 07/18/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG1524929-1						
Aroclor 1016	ND		ug/l	0.071	0.061	A
Aroclor 1221	ND		ug/l	0.071	0.061	A
Aroclor 1232	ND		ug/l	0.071	0.061	A
Aroclor 1242	ND		ug/l	0.071	0.061	A
Aroclor 1248	ND		ug/l	0.071	0.061	A
Aroclor 1254	ND		ug/l	0.071	0.061	A
Aroclor 1260	ND		ug/l	0.071	0.061	A
Aroclor 1262	ND		ug/l	0.071	0.061	A
Aroclor 1268	ND		ug/l	0.071	0.061	A
PCBs, Total	ND		ug/l	0.071	0.061	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	51		30-150	A
Decachlorobiphenyl	48		30-150	A
2,4,5,6-Tetrachloro-m-xylene	54		30-150	B
Decachlorobiphenyl	60		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2137792
Report Date: 08/03/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG1524929-2 WG1524929-3									
Aroclor 1016	55		51		40-140	8		50	A
Aroclor 1260	53		54		40-140	0		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		53		30-150	A
Decachlorobiphenyl	57		56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		57		30-150	B
Decachlorobiphenyl	60		61		30-150	B

PESTICIDES

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2137792
Report Date: 08/03/21

SAMPLE RESULTS

Lab ID: L2137792-01
Client ID: MW-6
Sample Location: BRONX, NY

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 07/19/21 16:41
Analyst: SDC

Date Collected: 07/14/21 10:00
Date Received: 07/14/21
Field Prep: Not Specified

Extraction Method: EPA 3510C
Extraction Date: 07/18/21 11:20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.033	0.008	1	A
Lindane	ND		ug/l	0.033	0.007	1	A
Alpha-BHC	ND		ug/l	0.033	0.007	1	A
Beta-BHC	ND		ug/l	0.033	0.009	1	A
Heptachlor	ND		ug/l	0.033	0.005	1	A
Aldrin	ND		ug/l	0.033	0.004	1	A
Heptachlor epoxide	ND		ug/l	0.033	0.007	1	A
Endrin	ND		ug/l	0.067	0.007	1	A
Endrin aldehyde	ND		ug/l	0.067	0.014	1	A
Endrin ketone	ND		ug/l	0.067	0.008	1	A
Dieldrin	ND		ug/l	0.067	0.007	1	A
4,4'-DDE	ND		ug/l	0.067	0.006	1	A
4,4'-DDD	ND		ug/l	0.067	0.008	1	A
4,4'-DDT	ND		ug/l	0.067	0.007	1	A
Endosulfan I	ND		ug/l	0.033	0.006	1	A
Endosulfan II	ND		ug/l	0.067	0.009	1	A
Endosulfan sulfate	ND		ug/l	0.067	0.008	1	A
Methoxychlor	ND		ug/l	0.333	0.011	1	A
Toxaphene	ND		ug/l	0.333	0.104	1	A
cis-Chlordane	ND		ug/l	0.033	0.011	1	A
trans-Chlordane	ND		ug/l	0.033	0.010	1	A
Chlordane	ND		ug/l	0.333	0.077	1	A

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2137792

Project Number: 2921 WESTCHESTER A\ **Report Date:** 08/03/21

SAMPLE RESULTS

Lab ID: L2137792-01 Date Collected: 07/14/21 10:00

Client ID: MW-6 Date Received: 07/14/21

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	44		30-150	A
Decachlorobiphenyl	51		30-150	A
2,4,5,6-Tetrachloro-m-xylene	47		30-150	B
Decachlorobiphenyl	42		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2137792
Report Date: 08/03/21

SAMPLE RESULTS

Lab ID: L2137792-01
Client ID: MW-6
Sample Location: BRONX, NY

Date Collected: 07/14/21 10:00
Date Received: 07/14/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 07/20/21 13:50
Analyst: SDC

Extraction Method: EPA 8151A
Extraction Date: 07/19/21 08:27

Methylation Date: 07/20/21 06:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
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	95		30-150	A
DCAA	81		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2137792
Report Date: 08/03/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 07/19/21 16:08
Analyst: SDC

Extraction Method: EPA 3510C
Extraction Date: 07/18/21 04:04

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG1525056-1						
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: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2137792
Report Date: 08/03/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 07/19/21 16:08
Analyst: SDC

Extraction Method: EPA 3510C
Extraction Date: 07/18/21 04:04

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG1525056-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	46		30-150	B

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2137792
Report Date: 08/03/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 07/20/21 12:55
Analyst: SDC

Extraction Method: EPA 8151A
Extraction Date: 07/19/21 08:27

Methylation Date: 07/20/21 06:58

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01 Batch: WG1525236-1						
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	82		30-150	A
DCAA	75		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2137792
Report Date: 08/03/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1525056-2 WG1525056-3									
Delta-BHC	74		73		30-150	1		20	A
Lindane	73		75		30-150	1		20	A
Alpha-BHC	63		64		30-150	1		20	A
Beta-BHC	63		64		30-150	2		20	A
Heptachlor	70		71		30-150	1		20	A
Aldrin	65		66		30-150	2		20	A
Heptachlor epoxide	63		64		30-150	3		20	A
Endrin	67		68		30-150	2		20	A
Endrin aldehyde	54		54		30-150	1		20	A
Endrin ketone	69		71		30-150	4		20	A
Dieldrin	68		72		30-150	5		20	A
4,4'-DDE	66		68		30-150	3		20	A
4,4'-DDD	71		75		30-150	4		20	A
4,4'-DDT	70		69		30-150	1		20	A
Endosulfan I	63		64		30-150	1		20	A
Endosulfan II	68		69		30-150	2		20	A
Endosulfan sulfate	62		65		30-150	5		20	A
Methoxychlor	78		83		30-150	6		20	A
cis-Chlordane	58		60		30-150	3		20	A
trans-Chlordane	68		70		30-150	2		20	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2137792
Report Date: 08/03/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1525056-2 WG1525056-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		61		30-150	A
Decachlorobiphenyl	66		72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		56		30-150	B
Decachlorobiphenyl	56		59		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2137792

Report Date: 08/03/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1525236-2 WG1525236-3									
2,4-D	89		91		30-150	2		25	A
2,4,5-T	87		86		30-150	1		25	A
2,4,5-TP (Silvex)	88		89		30-150	1		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	91		90		30-150	A
DCAA	84		87		30-150	B

METALS

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE
Lab Number: L2137792
Report Date: 08/03/21

SAMPLE RESULTS

Lab ID: L2137792-01
Client ID: MW-6
Sample Location: BRONX, NY
Sample Depth:
Matrix: Water

Date Collected: 07/14/21 10:00
Date Received: 07/14/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	40.0		mg/l	0.0100	0.00327	1	07/16/21 11:15	07/31/21 10:25	EPA 3005A	1,6020B	WP
Antimony, Total	0.00080	J	mg/l	0.00400	0.00042	1	07/16/21 11:15	07/31/21 10:25	EPA 3005A	1,6020B	WP
Arsenic, Total	0.00819		mg/l	0.00050	0.00016	1	07/16/21 11:15	07/31/21 10:25	EPA 3005A	1,6020B	WP
Barium, Total	0.4978		mg/l	0.00050	0.00017	1	07/16/21 11:15	07/31/21 10:25	EPA 3005A	1,6020B	WP
Beryllium, Total	0.00134		mg/l	0.00050	0.00010	1	07/16/21 11:15	07/31/21 10:25	EPA 3005A	1,6020B	WP
Cadmium, Total	0.00037		mg/l	0.00020	0.00005	1	07/16/21 11:15	07/31/21 10:25	EPA 3005A	1,6020B	WP
Calcium, Total	38.2		mg/l	0.100	0.0394	1	07/16/21 11:15	07/31/21 10:25	EPA 3005A	1,6020B	WP
Chromium, Total	0.2750		mg/l	0.00100	0.00017	1	07/16/21 11:15	07/31/21 10:25	EPA 3005A	1,6020B	WP
Cobalt, Total	0.04209		mg/l	0.00050	0.00016	1	07/16/21 11:15	07/31/21 10:25	EPA 3005A	1,6020B	WP
Copper, Total	0.1381		mg/l	0.00100	0.00038	1	07/16/21 11:15	07/31/21 10:25	EPA 3005A	1,6020B	WP
Iron, Total	62.0		mg/l	0.0500	0.0191	1	07/16/21 11:15	07/31/21 10:25	EPA 3005A	1,6020B	WP
Lead, Total	0.1361		mg/l	0.00100	0.00034	1	07/16/21 11:15	07/31/21 10:25	EPA 3005A	1,6020B	WP
Magnesium, Total	53.9		mg/l	0.0700	0.0242	1	07/16/21 11:15	07/31/21 10:25	EPA 3005A	1,6020B	WP
Manganese, Total	1.055		mg/l	0.00100	0.00044	1	07/16/21 11:15	07/31/21 10:25	EPA 3005A	1,6020B	WP
Mercury, Total	0.00010	J	mg/l	0.00020	0.00009	1	07/16/21 10:16	07/16/21 14:04	EPA 7470A	1,7470A	NB
Nickel, Total	0.4785		mg/l	0.00200	0.00055	1	07/16/21 11:15	07/31/21 10:25	EPA 3005A	1,6020B	WP
Potassium, Total	17.0		mg/l	0.100	0.0309	1	07/16/21 11:15	07/31/21 10:25	EPA 3005A	1,6020B	WP
Selenium, Total	0.00297	J	mg/l	0.00500	0.00173	1	07/16/21 11:15	07/31/21 10:25	EPA 3005A	1,6020B	WP
Silver, Total	0.00027	J	mg/l	0.00040	0.00016	1	07/16/21 11:15	07/31/21 10:25	EPA 3005A	1,6020B	WP
Sodium, Total	249.		mg/l	0.100	0.0293	1	07/16/21 11:15	07/31/21 10:25	EPA 3005A	1,6020B	WP
Thallium, Total	0.00124		mg/l	0.00100	0.00014	1	07/16/21 11:15	07/31/21 10:25	EPA 3005A	1,6020B	WP
Vanadium, Total	0.08095		mg/l	0.00500	0.00157	1	07/16/21 11:15	07/31/21 10:25	EPA 3005A	1,6020B	WP
Zinc, Total	0.3247		mg/l	0.01000	0.00341	1	07/16/21 11:15	07/31/21 10:25	EPA 3005A	1,6020B	WP
General Chemistry - Mansfield Lab											
Chromium, Trivalent	0.271	J	mg/l	0.010	0.010	1		07/31/21 10:25	NA	107,-	

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE
Lab Number: L2137792
Report Date: 08/03/21

SAMPLE RESULTS

Lab ID: L2137792-01
Client ID: MW-6
Sample Location: BRONX, NY
Sample Depth:
Matrix: Water

Date Collected: 07/14/21 10:00
Date Received: 07/14/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	1.04		mg/l	0.0100	0.00327	1	07/16/21 09:02	07/31/21 11:31	EPA 3005A	1,6020B	WP
Antimony, Dissolved	0.00223	J	mg/l	0.00400	0.00042	1	07/16/21 09:02	07/31/21 11:31	EPA 3005A	1,6020B	WP
Arsenic, Dissolved	0.00545		mg/l	0.00050	0.00016	1	07/16/21 09:02	07/31/21 11:31	EPA 3005A	1,6020B	WP
Barium, Dissolved	0.03263		mg/l	0.00050	0.00017	1	07/16/21 09:02	07/31/21 11:31	EPA 3005A	1,6020B	WP
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	07/16/21 09:02	07/31/21 11:31	EPA 3005A	1,6020B	WP
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	07/16/21 09:02	07/31/21 11:31	EPA 3005A	1,6020B	WP
Calcium, Dissolved	15.1		mg/l	0.100	0.0394	1	07/16/21 09:02	07/31/21 11:31	EPA 3005A	1,6020B	WP
Chromium, Dissolved	0.01196		mg/l	0.00100	0.00017	1	07/16/21 09:02	07/31/21 11:31	EPA 3005A	1,6020B	WP
Cobalt, Dissolved	0.00116		mg/l	0.00050	0.00016	1	07/16/21 09:02	07/31/21 11:31	EPA 3005A	1,6020B	WP
Copper, Dissolved	0.01182		mg/l	0.00100	0.00038	1	07/16/21 09:02	07/31/21 11:31	EPA 3005A	1,6020B	WP
Iron, Dissolved	1.41		mg/l	0.0500	0.0191	1	07/16/21 09:02	07/31/21 11:31	EPA 3005A	1,6020B	WP
Lead, Dissolved	0.00334		mg/l	0.00100	0.00034	1	07/16/21 09:02	07/31/21 11:31	EPA 3005A	1,6020B	WP
Magnesium, Dissolved	10.8		mg/l	0.0700	0.0242	1	07/16/21 09:02	07/31/21 11:31	EPA 3005A	1,6020B	WP
Manganese, Dissolved	0.03316		mg/l	0.00100	0.00044	1	07/16/21 09:02	07/31/21 11:31	EPA 3005A	1,6020B	WP
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	07/16/21 09:22	07/16/21 13:27	EPA 7470A	1,7470A	NB
Nickel, Dissolved	0.01411		mg/l	0.00200	0.00055	1	07/16/21 09:02	07/31/21 11:31	EPA 3005A	1,6020B	WP
Potassium, Dissolved	4.89		mg/l	0.100	0.0309	1	07/16/21 09:02	07/31/21 11:31	EPA 3005A	1,6020B	WP
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	07/16/21 09:02	07/31/21 11:31	EPA 3005A	1,6020B	WP
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	07/16/21 09:02	07/31/21 11:31	EPA 3005A	1,6020B	WP
Sodium, Dissolved	245.		mg/l	0.100	0.0293	1	07/16/21 09:02	07/31/21 11:31	EPA 3005A	1,6020B	WP
Thallium, Dissolved	0.00050	J	mg/l	0.00100	0.00014	1	07/16/21 09:02	07/31/21 11:31	EPA 3005A	1,6020B	WP
Vanadium, Dissolved	0.01065		mg/l	0.00500	0.00157	1	07/16/21 09:02	07/31/21 11:31	EPA 3005A	1,6020B	WP
Zinc, Dissolved	0.00949	J	mg/l	0.01000	0.00341	1	07/16/21 09:02	07/31/21 11:31	EPA 3005A	1,6020B	WP

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2137792

Project Number: 2921 WESTCHESTER A\ **Report Date:** 08/03/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1524287-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	07/16/21 10:16	07/16/21 13:50	1,7470A	NB

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): 01 Batch: WG1524289-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	07/16/21 09:22	07/16/21 13:21	1,7470A	NB

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 Batch: WG1524351-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	07/16/21 11:15	07/31/21 09:46	1,6020B	WP
Antimony, Total	ND		mg/l	0.00400	0.00042	1	07/16/21 11:15	07/31/21 09:46	1,6020B	WP
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	07/16/21 11:15	07/31/21 09:46	1,6020B	WP
Barium, Total	ND		mg/l	0.00050	0.00017	1	07/16/21 11:15	07/31/21 09:46	1,6020B	WP
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	07/16/21 11:15	07/31/21 09:46	1,6020B	WP
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	07/16/21 11:15	07/31/21 09:46	1,6020B	WP
Calcium, Total	ND		mg/l	0.100	0.0394	1	07/16/21 11:15	07/31/21 09:46	1,6020B	WP
Chromium, Total	ND		mg/l	0.00100	0.00017	1	07/16/21 11:15	07/31/21 09:46	1,6020B	WP
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	07/16/21 11:15	07/31/21 09:46	1,6020B	WP
Copper, Total	ND		mg/l	0.00100	0.00038	1	07/16/21 11:15	07/31/21 09:46	1,6020B	WP
Iron, Total	ND		mg/l	0.0500	0.0191	1	07/16/21 11:15	07/31/21 09:46	1,6020B	WP
Lead, Total	ND		mg/l	0.00100	0.00034	1	07/16/21 11:15	07/31/21 09:46	1,6020B	WP
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	07/16/21 11:15	07/31/21 09:46	1,6020B	WP
Manganese, Total	ND		mg/l	0.00100	0.00044	1	07/16/21 11:15	07/31/21 09:46	1,6020B	WP
Nickel, Total	ND		mg/l	0.00200	0.00055	1	07/16/21 11:15	07/31/21 09:46	1,6020B	WP

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2137792

Project Number: 2921 WESTCHESTER A\ **Report Date:** 08/03/21

Method Blank Analysis
Batch Quality Control

Potassium, Total	ND		mg/l	0.100	0.0309	1	07/16/21 11:15	07/31/21 09:46	1,6020B	WP
Selenium, Total	ND		mg/l	0.00500	0.00173	1	07/16/21 11:15	07/31/21 09:46	1,6020B	WP
Silver, Total	ND		mg/l	0.00040	0.00016	1	07/16/21 11:15	07/31/21 09:46	1,6020B	WP
Sodium, Total	ND		mg/l	0.100	0.0293	1	07/16/21 11:15	07/31/21 09:46	1,6020B	WP
Thallium, Total	0.00014	J	mg/l	0.00100	0.00014	1	07/16/21 11:15	07/31/21 09:46	1,6020B	WP
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	07/16/21 11:15	07/31/21 09:46	1,6020B	WP
Zinc, Total	ND		mg/l	0.01000	0.00341	1	07/16/21 11:15	07/31/21 09:46	1,6020B	WP

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 01 Batch: WG1524399-1										
Aluminum, Dissolved	0.00334	J	mg/l	0.0100	0.00327	1	07/16/21 09:02	07/31/21 11:07	1,6020B	WP
Antimony, Dissolved	0.00063	J	mg/l	0.00400	0.00042	1	07/16/21 09:02	07/31/21 11:07	1,6020B	WP
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	07/16/21 09:02	07/31/21 11:07	1,6020B	WP
Barium, Dissolved	ND		mg/l	0.00050	0.00017	1	07/16/21 09:02	07/31/21 11:07	1,6020B	WP
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	07/16/21 09:02	07/31/21 11:07	1,6020B	WP
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	07/16/21 09:02	07/31/21 11:07	1,6020B	WP
Calcium, Dissolved	ND		mg/l	0.100	0.0394	1	07/16/21 09:02	07/31/21 11:07	1,6020B	WP
Chromium, Dissolved	0.00027	J	mg/l	0.00100	0.00017	1	07/16/21 09:02	07/31/21 11:07	1,6020B	WP
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	07/16/21 09:02	07/31/21 11:07	1,6020B	WP
Copper, Dissolved	0.00044	J	mg/l	0.00100	0.00038	1	07/16/21 09:02	07/31/21 11:07	1,6020B	WP
Iron, Dissolved	0.0324	J	mg/l	0.0500	0.0191	1	07/16/21 09:02	07/31/21 11:07	1,6020B	WP
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	07/16/21 09:02	07/31/21 11:07	1,6020B	WP
Magnesium, Dissolved	ND		mg/l	0.0700	0.0242	1	07/16/21 09:02	07/31/21 11:07	1,6020B	WP
Manganese, Dissolved	0.00048	J	mg/l	0.00100	0.00044	1	07/16/21 09:02	07/31/21 11:07	1,6020B	WP
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	07/16/21 09:02	07/31/21 11:07	1,6020B	WP
Potassium, Dissolved	ND		mg/l	0.100	0.0309	1	07/16/21 09:02	07/31/21 11:07	1,6020B	WP
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	07/16/21 09:02	07/31/21 11:07	1,6020B	WP
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	07/16/21 09:02	07/31/21 11:07	1,6020B	WP
Sodium, Dissolved	0.0417	J	mg/l	0.100	0.0293	1	07/16/21 09:02	07/31/21 11:07	1,6020B	WP
Thallium, Dissolved	0.00046	J	mg/l	0.00100	0.00014	1	07/16/21 09:02	07/31/21 11:07	1,6020B	WP
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	07/16/21 09:02	07/31/21 11:07	1,6020B	WP
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	07/16/21 09:02	07/31/21 11:07	1,6020B	WP

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2137792

Project Number: 2921 WESTCHESTER A\ **Report Date:** 08/03/21

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2137792
Report Date: 08/03/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1524287-2								
Mercury, Total	96		-		80-120	-		
Dissolved Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1524289-2								
Mercury, Dissolved	96		-		80-120	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2137792
Report Date: 08/03/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1524351-2					
Aluminum, Total	102	-	80-120	-	
Antimony, Total	97	-	80-120	-	
Arsenic, Total	103	-	80-120	-	
Barium, Total	101	-	80-120	-	
Beryllium, Total	111	-	80-120	-	
Cadmium, Total	102	-	80-120	-	
Calcium, Total	98	-	80-120	-	
Chromium, Total	99	-	80-120	-	
Cobalt, Total	101	-	80-120	-	
Copper, Total	102	-	80-120	-	
Iron, Total	101	-	80-120	-	
Lead, Total	102	-	80-120	-	
Magnesium, Total	107	-	80-120	-	
Manganese, Total	99	-	80-120	-	
Nickel, Total	97	-	80-120	-	
Potassium, Total	107	-	80-120	-	
Selenium, Total	101	-	80-120	-	
Silver, Total	104	-	80-120	-	
Sodium, Total	106	-	80-120	-	
Thallium, Total	111	-	80-120	-	
Vanadium, Total	100	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2137792

Report Date: 08/03/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1524351-2					
Zinc, Total	107	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2137792
Report Date: 08/03/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1524399-2					
Aluminum, Dissolved	98	-	80-120	-	
Antimony, Dissolved	86	-	80-120	-	
Arsenic, Dissolved	88	-	80-120	-	
Barium, Dissolved	97	-	80-120	-	
Beryllium, Dissolved	111	-	80-120	-	
Cadmium, Dissolved	101	-	80-120	-	
Calcium, Dissolved	98	-	80-120	-	
Chromium, Dissolved	97	-	80-120	-	
Cobalt, Dissolved	99	-	80-120	-	
Copper, Dissolved	100	-	80-120	-	
Iron, Dissolved	97	-	80-120	-	
Lead, Dissolved	100	-	80-120	-	
Magnesium, Dissolved	103	-	80-120	-	
Manganese, Dissolved	96	-	80-120	-	
Nickel, Dissolved	96	-	80-120	-	
Potassium, Dissolved	105	-	80-120	-	
Selenium, Dissolved	102	-	80-120	-	
Silver, Dissolved	102	-	80-120	-	
Sodium, Dissolved	102	-	80-120	-	
Thallium, Dissolved	108	-	80-120	-	
Vanadium, Dissolved	97	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2137792
Report Date: 08/03/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1524399-2					
Zinc, Dissolved	106	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2137792
Report Date: 08/03/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1524287-3 QC Sample: L2137792-01 Client ID: MW-6												
Mercury, Total	0.00010J	0.005	0.00491	98		-	-		75-125	-		20
Dissolved Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1524289-3 QC Sample: L2137792-01 Client ID: MW-6												
Mercury, Dissolved	ND	0.005	0.00474	95		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2137792
Report Date: 08/03/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1524351-3 QC Sample: L2137792-01 Client ID: MW-6										
Aluminum, Total	40.0	4	49.1	**228**	Q	-	-	75-125	-	20
Antimony, Total	0.00080J	1	0.4497	**45**	Q	-	-	75-125	-	20
Arsenic, Total	0.00819	0.24	0.2290	92		-	-	75-125	-	20
Barium, Total	0.4978	4	4.487	100		-	-	75-125	-	20
Beryllium, Total	0.00134	0.1	0.1028	101		-	-	75-125	-	20
Cadmium, Total	0.00037	0.106	0.1067	100		-	-	75-125	-	20
Calcium, Total	38.2	20	57.4	96		-	-	75-125	-	20
Chromium, Total	0.2750	0.4	0.7153	110		-	-	75-125	-	20
Cobalt, Total	0.04209	1	1.045	100		-	-	75-125	-	20
Copper, Total	0.1381	0.5	0.6491	102		-	-	75-125	-	20
Iron, Total	62.0	2	65.6	**180**	Q	-	-	75-125	-	20
Lead, Total	0.1361	1.06	1.218	102		-	-	75-125	-	20
Magnesium, Total	53.9	20	78.4	122		-	-	75-125	-	20
Manganese, Total	1.055	1	2.098	104		-	-	75-125	-	20
Nickel, Total	0.4785	1	1.503	102		-	-	75-125	-	20
Potassium, Total	17.0	20	38.2	106		-	-	75-125	-	20
Selenium, Total	0.00297J	0.24	0.212	88		-	-	75-125	-	20
Silver, Total	0.00027J	0.1	0.1026	103		-	-	75-125	-	20
Sodium, Total	249.	20	260	**55**	Q	-	-	75-125	-	20
Thallium, Total	0.00124	0.24	0.2478	103		-	-	75-125	-	20
Vanadium, Total	0.08095	1	1.078	100		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2137792
Report Date: 08/03/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1524351-3 QC Sample: L2137792-01 Client ID: MW-6									
Zinc, Total	0.3247	1	1.423	110	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2137792
Report Date: 08/03/21

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): 01 QC Batch ID: WG1524399-3 QC Sample: L2137792-01 Client ID: MW-6									
Aluminum, Dissolved	1.04	4	5.48	111	-	-	75-125	-	20
Antimony, Dissolved	0.00223J	1	1.022	102	-	-	75-125	-	20
Arsenic, Dissolved	0.00545	0.24	0.2580	105	-	-	75-125	-	20
Barium, Dissolved	0.03263	4	4.120	102	-	-	75-125	-	20
Beryllium, Dissolved	ND	0.1	0.1082	108	-	-	75-125	-	20
Cadmium, Dissolved	ND	0.106	0.1091	103	-	-	75-125	-	20
Calcium, Dissolved	15.1	20	34.2	96	-	-	75-125	-	20
Chromium, Dissolved	0.01196	0.4	0.4179	101	-	-	75-125	-	20
Cobalt, Dissolved	0.00116	1	1.013	101	-	-	75-125	-	20
Copper, Dissolved	0.01182	0.5	0.5186	101	-	-	75-125	-	20
Iron, Dissolved	1.41	2	3.44	102	-	-	75-125	-	20
Lead, Dissolved	0.00334	1.06	1.115	105	-	-	75-125	-	20
Magnesium, Dissolved	10.8	20	32.9	110	-	-	75-125	-	20
Manganese, Dissolved	0.03316	1	1.037	100	-	-	75-125	-	20
Nickel, Dissolved	0.01411	1	0.9893	98	-	-	75-125	-	20
Potassium, Dissolved	4.89	20	27.0	110	-	-	75-125	-	20
Selenium, Dissolved	ND	0.24	0.244	102	-	-	75-125	-	20
Silver, Dissolved	ND	0.1	0.1053	105	-	-	75-125	-	20
Sodium, Dissolved	245.	20	270	125	-	-	75-125	-	20
Thallium, Dissolved	0.00050J	0.24	0.2730	114	-	-	75-125	-	20
Vanadium, Dissolved	0.01065	1	1.021	101	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2137792
Report Date: 08/03/21

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): 01 QC Batch ID: WG1524399-3 QC Sample: L2137792-01 Client ID: MW-6									
Zinc, Dissolved	0.00949J	1	1.061	106	-	-	75-125	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2137792

Report Date: 08/03/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1524287-4 QC Sample: L2137792-01 Client ID: MW-6						
Mercury, Total	0.00010J	0.00009J	mg/l	NC		20
Dissolved Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1524289-4 QC Sample: L2137792-01 Client ID: MW-6						
Mercury, Dissolved	ND	ND	mg/l	NC		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2137792

Report Date: 08/03/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1524351-4 QC Sample: L2137792-01 Client ID: MW-6					
Aluminum, Total	40.0	36.2	mg/l	10	20
Antimony, Total	0.00080J	0.00086J	mg/l	NC	20
Arsenic, Total	0.00819	0.00817	mg/l	0	20
Barium, Total	0.4978	0.4682	mg/l	6	20
Beryllium, Total	0.00134	0.00125	mg/l	7	20
Cadmium, Total	0.00037	0.00035	mg/l	4	20
Calcium, Total	38.2	37.7	mg/l	1	20
Chromium, Total	0.2750	0.2478	mg/l	10	20
Cobalt, Total	0.04209	0.03956	mg/l	6	20
Copper, Total	0.1381	0.1315	mg/l	5	20
Iron, Total	62.0	56.6	mg/l	9	20
Lead, Total	0.1361	0.1319	mg/l	3	20
Magnesium, Total	53.9	50.4	mg/l	7	20
Manganese, Total	1.055	1.011	mg/l	4	20
Nickel, Total	0.4785	0.4421	mg/l	8	20
Potassium, Total	17.0	15.9	mg/l	7	20
Selenium, Total	0.00297J	0.00309J	mg/l	NC	20
Silver, Total	0.00027J	0.00027J	mg/l	NC	20
Sodium, Total	249.	248	mg/l	0	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2137792

Report Date: 08/03/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1524351-4 QC Sample: L2137792-01 Client ID: MW-6					
Thallium, Total	0.00124	0.00131	mg/l	6	20
Vanadium, Total	0.08095	0.07500	mg/l	8	20
Zinc, Total	0.3247	0.3117	mg/l	4	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2137792

Report Date: 08/03/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1524399-4 QC Sample: L2137792-01 Client ID: MW-6					
Aluminum, Dissolved	1.04	1.05	mg/l	1	20
Antimony, Dissolved	0.00223J	0.00247J	mg/l	NC	20
Arsenic, Dissolved	0.00545	0.00582	mg/l	6	20
Barium, Dissolved	0.03263	0.03318	mg/l	2	20
Beryllium, Dissolved	ND	ND	mg/l	NC	20
Cadmium, Dissolved	ND	ND	mg/l	NC	20
Calcium, Dissolved	15.1	15.4	mg/l	2	20
Chromium, Dissolved	0.01196	0.01212	mg/l	1	20
Cobalt, Dissolved	0.00116	0.00117	mg/l	2	20
Copper, Dissolved	0.01182	0.01232	mg/l	4	20
Iron, Dissolved	1.41	1.49	mg/l	6	20
Lead, Dissolved	0.00334	0.00341	mg/l	2	20
Magnesium, Dissolved	10.8	10.7	mg/l	1	20
Manganese, Dissolved	0.03316	0.03419	mg/l	3	20
Nickel, Dissolved	0.01411	0.01486	mg/l	5	20
Potassium, Dissolved	4.89	4.57	mg/l	7	20
Selenium, Dissolved	ND	ND	mg/l	NC	20
Silver, Dissolved	ND	ND	mg/l	NC	20
Sodium, Dissolved	245.	238	mg/l	3	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2137792

Report Date: 08/03/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1524399-4 QC Sample: L2137792-01 Client ID: MW-6					
Thallium, Dissolved	0.00050J	0.00112	mg/l	NC	20
Vanadium, Dissolved	0.01065	0.01064	mg/l	0	20
Zinc, Dissolved	0.00949J	0.00982J	mg/l	NC	20

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTE

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2137792
Report Date: 08/03/21

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1524351-6 QC Sample: L2137792-01 Client ID: MW-6						
Aluminum, Total	40.0	41.2	mg/l	3		20
Barium, Total	0.4978	0.4722	mg/l	5		20
Calcium, Total	38.2	40.8	mg/l	7		20
Chromium, Total	0.2750	0.2894	mg/l	5		20
Cobalt, Total	0.04209	0.04311	mg/l	2		20
Copper, Total	0.1381	0.1480	mg/l	7		20
Iron, Total	62.0	63.0	mg/l	2		20
Lead, Total	0.1361	0.1318	mg/l	3		20
Magnesium, Total	53.9	57.0	mg/l	6		20
Manganese, Total	1.055	1.136	mg/l	8		20
Nickel, Total	0.4785	0.5044	mg/l	5		20
Potassium, Total	17.0	17.2	mg/l	1		20
Sodium, Total	249.	254.	mg/l	2		20
Zinc, Total	0.3247	0.3756	mg/l	16		20

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTE

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2137792
Report Date: 08/03/21

Parameter	Native Sample	Serial Dilution	Units	% D	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1524399-6 QC Sample: L2137792-01 Client ID: MW-6					
Aluminum, Dissolved	1.04	1.06	mg/l	2	20
Barium, Dissolved	0.03263	0.03354	mg/l	3	20
Calcium, Dissolved	15.1	14.8	mg/l	2	20
Iron, Dissolved	1.41	1.47	mg/l	4	20
Magnesium, Dissolved	10.8	10.3	mg/l	5	20
Manganese, Dissolved	0.03316	0.03371	mg/l	2	20
Potassium, Dissolved	4.89	4.83	mg/l	1	20
Sodium, Dissolved	245.	228.	mg/l	7	20

INORGANICS
&
MISCELLANEOUS

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2137792
Report Date: 08/03/21

SAMPLE RESULTS

Lab ID: L2137792-01
Client ID: MW-6
Sample Location: BRONX, NY

Date Collected: 07/14/21 10:00
Date Received: 07/14/21
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	0.002	J	mg/l	0.005	0.001	1	07/15/21 11:55	07/15/21 15:08	1,9010C/9012B	CR
Chromium, Hexavalent	0.004	J	mg/l	0.010	0.003	1	07/15/21 07:30	07/15/21 07:51	1,7196A	KP

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2137792

Project Number: 2921 WESTCHESTER AVE **Report Date:** 08/03/21

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): 01 Batch: WG1524098-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	07/15/21 07:30	07/15/21 07:50	1,7196A	KP
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1524196-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	07/15/21 11:55	07/15/21 14:55	1,9010C/9012B	CR

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2137792
Report Date: 08/03/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1524098-2								
Chromium, Hexavalent	105		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1524196-2 WG1524196-3								
Cyanide, Total	94		93		85-115	1		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2137792
Report Date: 08/03/21

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): 01 QC Batch ID: WG1524098-4 QC Sample: L2137792-01 Client ID: MW-6												
Chromium, Hexavalent	0.004J	0.1	0.108	108		-	-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1524196-4 WG1524196-5 QC Sample: L2137712-13 Client ID: MS Sample												
Cyanide, Total	0.006	0.2	0.194	94		0.186	90		80-120	4		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2137792

Report Date: 08/03/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1524098-3 QC Sample: L2137792-01 Client ID: MW-6						
Chromium, Hexavalent	0.004J	0.004J	mg/l	NC		20

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2137792
Report Date: 08/03/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2137792-01A	Plastic 250ml unpreserved	B	NA		3.9	Y	Absent		A2-NY-537-ISOTOPE(14)
L2137792-01B	Plastic 250ml unpreserved	B	NA		3.9	Y	Absent		A2-NY-537-ISOTOPE(14)
L2137792-01C	Amber 120ml unpreserved	A	7	7	4.7	Y	Absent		NYTCL-8081(7)
L2137792-01D	Amber 120ml unpreserved	A	7	7	4.7	Y	Absent		NYTCL-8081(7)
L2137792-01E	Amber 120ml unpreserved	A	7	7	4.7	Y	Absent		NYTCL-8082-LVI(365)
L2137792-01F	Amber 120ml unpreserved	A	7	7	4.7	Y	Absent		NYTCL-8082-LVI(365)
L2137792-01G	Amber 250ml unpreserved	A	7	7	4.7	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2137792-01H	Amber 250ml unpreserved	A	7	7	4.7	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2137792-01I	Plastic 250ml NaOH preserved	A	>12	>12	4.7	Y	Absent		TCN-9010(14)
L2137792-01J	Plastic 250ml unpreserved	A	7	7	4.7	Y	Absent		ARCHIVE()
L2137792-01K	Plastic 250ml HNO3 preserved	A	<2	<2	4.7	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),K-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),V-6020T(180),AS-6020T(180),SB-6020T(180),AL-6020T(180),MG-6020T(180),CD-6020T(180),HG-T(28),AG-6020T(180),TRICR-CALC(1),CO-6020T(180)
L2137792-01L	Plastic 500ml unpreserved	A	7	7	4.7	Y	Absent		HEXCR-7196(1)
L2137792-01M	Amber 1000ml unpreserved	A	7	7	4.7	Y	Absent		HERB-APA(7)
L2137792-01N	Amber 1000ml unpreserved	A	7	7	4.7	Y	Absent		HERB-APA(7)

*Values in parentheses indicate holding time in days

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2137792
Report Date: 08/03/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2137792-01X	Plastic 120ml HNO3 preserved Filtrates	A	NA		4.7	Y	Absent		SE-6020S(180),K-6020S(180),CU-6020S(180),V-6020S(180),MN-6020S(180),CO-6020S(180),ZN-6020S(180),BE-6020S(180),MG-6020S(180),CR-6020S(180),FE-6020S(180),CA-6020S(180),NA-6020S(180),TL-6020S(180),NI-6020S(180),PB-6020S(180),BA-6020S(180),AS-6020S(180),AG-6020S(180),SB-6020S(180),CD-6020S(180),HG-S(28),AL-6020S(180)
L2137792-02A	Plastic 250ml unpreserved	B	NA		3.9	Y	Absent		HOLD-537(14)

*Values in parentheses indicate holding time in days

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2137792
Report Date: 08/03/21

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

Project Name:	2921 WESTCHESTER AVENUE	**Lab Number:**	L2137792
Project Number:	2921 WESTCHESTER AVE	**Report Date:**	08/03/21

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	2921 WESTCHESTER AVENUE	**Lab Number:**	L2137792
Project Number:	2921 WESTCHESTER AVE	**Report Date:**	08/03/21

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	2921 WESTCHESTER AVENUE	**Lab Number:**	L2137792
Project Number:	2921 WESTCHESTER AVE	**Report Date:**	08/03/21

Data Qualifiers

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	2921 WESTCHESTER AVENUE	**Lab Number:**	L2137792
Project Number:	2921 WESTCHESTER AVE	**Report Date:**	08/03/21

REFERENCES

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

107 Alpha Analytical - In-house calculation method.

134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

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

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

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

Westborough Facility:

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

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

Mansfield Facility:

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

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

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

ALPHA ANALYTICAL

NEW YORK CHAIN OF CUSTODY

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

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 07/15/21

ALPHA Job #: L2137792

Client Information
Client: Tenen Environmental
Address: 121 West 27th Street Suite 702, NY, NY 10001
Phone: 646-606-2332
Fax:
Email: acarroll@tenen-env.com

Project Information
Project Name: 2921 Westchester Ave
Project Location: Bronx, NY
Project #
(Use Project name as Project #) ☒
Project Manager: A. Carroll
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

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

Billing Information
☒ Same as Client Info
PO #

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

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Cat B deliverables, HOLD Field Blank analysis

Please specify Metals or TAL.

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	Total Metals	Dissolved Metals	Pest/Herb/PCBs	Total Cyanide	Trivalent/Hexavalent Chromium	PFAS	1,4-Dioxane		Sample Specific Comments	Total Bottle
27712-01	MW-6	7/14/21	10:00	Water	AP	X	X	X	X	X	X	X			14
-02	Field Blank	↓	11:15	↓	↓	HOLD ANALYSIS									1

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

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

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

Container Type	P	P	A	P	P	P	A
Preservative	C	A	A	E	A	A	A

Relinquished By:	Date/Time	Received By:	Date/Time
A. Platt / Tenen	7/14/21 15:35	WASHINGTON AAL	7/14/21 15:35
WASHINGTON AAL	7/14/21 19:00	[illegible] AAL	7/14/21 20:00
[illegible] AAL	7/15/21 00:05	[illegible]	7/15/21 00:05

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

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

ANALYTICAL REPORT

Lab Number:	L2138922
Client:	Tenen Environmental, LLC 121 West 27th Street Suite 702 New York City, NY 10001
ATTN:	Alana Carroll
Phone:	(646) 606-2332
Project Name:	2921 WESTCHESTER AVE
Project Number:	2921 WESTCHESTER AVE
Report Date:	07/23/21

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: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2138922
Report Date: 07/23/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2138922-01	SV-1	SOIL_VAPOR	BRONX, NY	07/20/21 11:59	07/20/21
L2138922-02	SV-2	SOIL_VAPOR	BRONX, NY	07/20/21 11:59	07/20/21
L2138922-03	SV-3	SOIL_VAPOR	BRONX, NY	07/20/21 14:20	07/20/21
L2138922-04	AA-2	AIR	BRONX, NY	07/20/21 17:49	07/20/21

Project Name:	2921 WESTCHESTER AVE	**Lab Number:**	L2138922
Project Number:	2921 WESTCHESTER AVE	**Report Date:**	07/23/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	2921 WESTCHESTER AVE	**Lab Number:**	L2138922
Project Number:	2921 WESTCHESTER AVE	**Report Date:**	07/23/21

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on July 14, 2021. The canister certification results are provided as an addendum.

Volatile Organics in Air

L2138922-01D, -02D, and -03D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

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

Authorized Signature: Kelly O'Neill

Title: Technical Director/Representative

Date: 07/23/21

AIR

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2138922
Report Date: 07/23/21

SAMPLE RESULTS

Lab ID: L2138922-01 D
Client ID: SV-1
Sample Location: BRONX, NY

Date Collected: 07/20/21 11:59
Date Received: 07/20/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 07/22/21 23:03
Analyst: RY

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.479	0.256	--	2.37	1.27	--		1.282
Chloromethane	0.494	0.256	--	1.02	0.529	--		1.282
Freon-114	ND	0.256	--	ND	1.79	--		1.282
Vinyl chloride	ND	0.256	--	ND	0.654	--		1.282
1,3-Butadiene	0.723	0.256	--	1.60	0.566	--		1.282
Bromomethane	ND	0.256	--	ND	0.994	--		1.282
Chloroethane	1.27	0.256	--	3.35	0.676	--		1.282
Ethanol	164	6.41	--	309	12.1	--		1.282
Vinyl bromide	ND	0.256	--	ND	1.12	--		1.282
Acetone	369	1.28	--	877	3.04	--		1.282
Trichlorofluoromethane	ND	0.256	--	ND	1.44	--		1.282
Isopropanol	13.3	0.641	--	32.7	1.58	--		1.282
1,1-Dichloroethene	ND	0.256	--	ND	1.01	--		1.282
Tertiary butyl Alcohol	ND	0.641	--	ND	1.94	--		1.282
Methylene chloride	ND	0.641	--	ND	2.23	--		1.282
3-Chloropropene	ND	0.256	--	ND	0.801	--		1.282
Carbon disulfide	2.18	0.256	--	6.79	0.797	--		1.282
Freon-113	ND	0.256	--	ND	1.96	--		1.282
trans-1,2-Dichloroethene	1.59	0.256	--	6.30	1.01	--		1.282
1,1-Dichloroethane	ND	0.256	--	ND	1.04	--		1.282
Methyl tert butyl ether	ND	0.256	--	ND	0.923	--		1.282
2-Butanone	10.5	0.641	--	31.0	1.89	--		1.282
cis-1,2-Dichloroethene	ND	0.256	--	ND	1.01	--		1.282

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2138922
Report Date: 07/23/21

SAMPLE RESULTS

Lab ID: L2138922-01 D
Client ID: SV-1
Sample Location: BRONX, NY

Date Collected: 07/20/21 11:59
Date Received: 07/20/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	1.15	0.641	--	4.14	2.31	--		1.282
Chloroform	0.729	0.256	--	3.56	1.25	--		1.282
Tetrahydrofuran	3.06	0.641	--	9.02	1.89	--		1.282
1,2-Dichloroethane	ND	0.256	--	ND	1.04	--		1.282
n-Hexane	7.43	0.256	--	26.2	0.902	--		1.282
1,1,1-Trichloroethane	ND	0.256	--	ND	1.40	--		1.282
Benzene	1.33	0.256	--	4.25	0.818	--		1.282
Carbon tetrachloride	ND	0.256	--	ND	1.61	--		1.282
Cyclohexane	5.58	0.256	--	19.2	0.881	--		1.282
1,2-Dichloropropane	ND	0.256	--	ND	1.18	--		1.282
Bromodichloromethane	ND	0.256	--	ND	1.72	--		1.282
1,4-Dioxane	ND	0.256	--	ND	0.923	--		1.282
Trichloroethene	ND	0.256	--	ND	1.38	--		1.282
2,2,4-Trimethylpentane	0.395	0.256	--	1.84	1.20	--		1.282
Heptane	3.04	0.256	--	12.5	1.05	--		1.282
cis-1,3-Dichloropropene	ND	0.256	--	ND	1.16	--		1.282
4-Methyl-2-pentanone	ND	0.641	--	ND	2.63	--		1.282
trans-1,3-Dichloropropene	ND	0.256	--	ND	1.16	--		1.282
1,1,2-Trichloroethane	ND	0.256	--	ND	1.40	--		1.282
Toluene	2.72	0.256	--	10.3	0.965	--		1.282
2-Hexanone	1.82	0.256	--	7.46	1.05	--		1.282
Dibromochloromethane	ND	0.256	--	ND	2.18	--		1.282
1,2-Dibromoethane	ND	0.256	--	ND	1.97	--		1.282
Tetrachloroethene	0.342	0.256	--	2.32	1.74	--		1.282
Chlorobenzene	ND	0.256	--	ND	1.18	--		1.282
Ethylbenzene	0.799	0.256	--	3.47	1.11	--		1.282

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2138922
Report Date: 07/23/21

SAMPLE RESULTS

Lab ID: L2138922-01 D
Client ID: SV-1
Sample Location: BRONX, NY

Date Collected: 07/20/21 11:59
Date Received: 07/20/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	3.34	0.513	--	14.5	2.23	--		1.282
Bromoform	ND	0.256	--	ND	2.65	--		1.282
Styrene	0.665	0.256	--	2.83	1.09	--		1.282
1,1,2,2-Tetrachloroethane	ND	0.256	--	ND	1.76	--		1.282
o-Xylene	1.40	0.256	--	6.08	1.11	--		1.282
4-Ethyltoluene	ND	0.256	--	ND	1.26	--		1.282
1,3,5-Trimethylbenzene	ND	0.256	--	ND	1.26	--		1.282
1,2,4-Trimethylbenzene	0.790	0.256	--	3.88	1.26	--		1.282
Benzyl chloride	ND	0.256	--	ND	1.33	--		1.282
1,3-Dichlorobenzene	ND	0.256	--	ND	1.54	--		1.282
1,4-Dichlorobenzene	0.345	0.256	--	2.07	1.54	--		1.282
1,2-Dichlorobenzene	ND	0.256	--	ND	1.54	--		1.282
1,2,4-Trichlorobenzene	ND	0.256	--	ND	1.90	--		1.282
Hexachlorobutadiene	ND	0.256	--	ND	2.73	--		1.282

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	93		60-140

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2138922
Report Date: 07/23/21

SAMPLE RESULTS

Lab ID: L2138922-02 D
Client ID: SV-2
Sample Location: BRONX, NY

Date Collected: 07/20/21 11:59
Date Received: 07/20/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 07/22/21 23:39
Analyst: RY

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	1.11	--	ND	5.49	--		5.556
Chloromethane	ND	1.11	--	ND	2.29	--		5.556
Freon-114	ND	1.11	--	ND	7.76	--		5.556
Vinyl chloride	ND	1.11	--	ND	2.84	--		5.556
1,3-Butadiene	ND	1.11	--	ND	2.46	--		5.556
Bromomethane	ND	1.11	--	ND	4.31	--		5.556
Chloroethane	1.57	1.11	--	4.14	2.93	--		5.556
Ethanol	77.3	27.8	--	146	52.4	--		5.556
Vinyl bromide	ND	1.11	--	ND	4.85	--		5.556
Acetone	240	5.56	--	570	13.2	--		5.556
Trichlorofluoromethane	ND	1.11	--	ND	6.24	--		5.556
Isopropanol	6.50	2.78	--	16.0	6.83	--		5.556
1,1-Dichloroethene	ND	1.11	--	ND	4.40	--		5.556
Tertiary butyl Alcohol	ND	2.78	--	ND	8.43	--		5.556
Methylene chloride	ND	2.78	--	ND	9.66	--		5.556
3-Chloropropene	ND	1.11	--	ND	3.47	--		5.556
Carbon disulfide	34.0	1.11	--	106	3.46	--		5.556
Freon-113	ND	1.11	--	ND	8.51	--		5.556
trans-1,2-Dichloroethene	1.27	1.11	--	5.04	4.40	--		5.556
1,1-Dichloroethane	ND	1.11	--	ND	4.49	--		5.556
Methyl tert butyl ether	ND	1.11	--	ND	4.00	--		5.556
2-Butanone	324	2.78	--	956	8.20	--		5.556
cis-1,2-Dichloroethene	ND	1.11	--	ND	4.40	--		5.556

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2138922
Report Date: 07/23/21

SAMPLE RESULTS

Lab ID: L2138922-02 D
Client ID: SV-2
Sample Location: BRONX, NY

Date Collected: 07/20/21 11:59
Date Received: 07/20/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	2.78	--	ND	10.0	--		5.556
Chloroform	5.46	1.11	--	26.7	5.42	--		5.556
Tetrahydrofuran	ND	2.78	--	ND	8.20	--		5.556
1,2-Dichloroethane	ND	1.11	--	ND	4.49	--		5.556
n-Hexane	7.78	1.11	--	27.4	3.91	--		5.556
1,1,1-Trichloroethane	ND	1.11	--	ND	6.06	--		5.556
Benzene	ND	1.11	--	ND	3.55	--		5.556
Carbon tetrachloride	ND	1.11	--	ND	6.98	--		5.556
Cyclohexane	6.59	1.11	--	22.7	3.82	--		5.556
1,2-Dichloropropane	ND	1.11	--	ND	5.13	--		5.556
Bromodichloromethane	ND	1.11	--	ND	7.44	--		5.556
1,4-Dioxane	ND	1.11	--	ND	4.00	--		5.556
Trichloroethene	ND	1.11	--	ND	5.97	--		5.556
2,2,4-Trimethylpentane	ND	1.11	--	ND	5.18	--		5.556
Heptane	1.60	1.11	--	6.56	4.55	--		5.556
cis-1,3-Dichloropropene	ND	1.11	--	ND	5.04	--		5.556
4-Methyl-2-pentanone	ND	2.78	--	ND	11.4	--		5.556
trans-1,3-Dichloropropene	ND	1.11	--	ND	5.04	--		5.556
1,1,2-Trichloroethane	ND	1.11	--	ND	6.06	--		5.556
Toluene	1.99	1.11	--	7.50	4.18	--		5.556
2-Hexanone	18.8	1.11	--	77.0	4.55	--		5.556
Dibromochloromethane	ND	1.11	--	ND	9.46	--		5.556
1,2-Dibromoethane	ND	1.11	--	ND	8.53	--		5.556
Tetrachloroethene	2.53	1.11	--	17.2	7.53	--		5.556
Chlorobenzene	ND	1.11	--	ND	5.11	--		5.556
Ethylbenzene	ND	1.11	--	ND	4.82	--		5.556

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2138922
Report Date: 07/23/21

SAMPLE RESULTS

Lab ID: L2138922-02 D
Client ID: SV-2
Sample Location: BRONX, NY

Date Collected: 07/20/21 11:59
Date Received: 07/20/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	2.84	2.22	--	12.3	9.64	--		5.556
Bromoform	ND	1.11	--	ND	11.5	--		5.556
Styrene	ND	1.11	--	ND	4.73	--		5.556
1,1,2,2-Tetrachloroethane	ND	1.11	--	ND	7.62	--		5.556
o-Xylene	1.27	1.11	--	5.52	4.82	--		5.556
4-Ethyltoluene	ND	1.11	--	ND	5.46	--		5.556
1,3,5-Trimethylbenzene	ND	1.11	--	ND	5.46	--		5.556
1,2,4-Trimethylbenzene	ND	1.11	--	ND	5.46	--		5.556
Benzyl chloride	ND	1.11	--	ND	5.75	--		5.556
1,3-Dichlorobenzene	ND	1.11	--	ND	6.67	--		5.556
1,4-Dichlorobenzene	ND	1.11	--	ND	6.67	--		5.556
1,2-Dichlorobenzene	ND	1.11	--	ND	6.67	--		5.556
1,2,4-Trichlorobenzene	ND	1.11	--	ND	8.24	--		5.556
Hexachlorobutadiene	ND	1.11	--	ND	11.8	--		5.556

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	89		60-140

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2138922
Report Date: 07/23/21

SAMPLE RESULTS

Lab ID: L2138922-03 D
Client ID: SV-3
Sample Location: BRONX, NY

Date Collected: 07/20/21 14:20
Date Received: 07/20/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 07/23/21 00:16
Analyst: RY

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	2.00	--	ND	9.89	--		10
Chloromethane	ND	2.00	--	ND	4.13	--		10
Freon-114	ND	2.00	--	ND	14.0	--		10
Vinyl chloride	ND	2.00	--	ND	5.11	--		10
1,3-Butadiene	4.41	2.00	--	9.76	4.42	--		10
Bromomethane	ND	2.00	--	ND	7.77	--		10
Chloroethane	6.58	2.00	--	17.4	5.28	--		10
Ethanol	132	50.0	--	249	94.2	--		10
Vinyl bromide	ND	2.00	--	ND	8.74	--		10
Acetone	407	10.0	--	967	23.8	--		10
Trichlorofluoromethane	ND	2.00	--	ND	11.2	--		10
Isopropanol	10.0	5.00	--	24.6	12.3	--		10
1,1-Dichloroethene	ND	2.00	--	ND	7.93	--		10
Tertiary butyl Alcohol	ND	5.00	--	ND	15.2	--		10
Methylene chloride	ND	5.00	--	ND	17.4	--		10
3-Chloropropene	ND	2.00	--	ND	6.26	--		10
Carbon disulfide	6.03	2.00	--	18.8	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	538	5.00	--	1590	14.7	--		10
cis-1,2-Dichloroethene	ND	2.00	--	ND	7.93	--		10

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE
Lab Number: L2138922
Report Date: 07/23/21

SAMPLE RESULTS

Lab ID: L2138922-03 D
Client ID: SV-3
Sample Location: BRONX, NY

Date Collected: 07/20/21 14:20
Date Received: 07/20/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	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	25.9	2.00	--	91.3	7.05	--		10
1,1,1-Trichloroethane	ND	2.00	--	ND	10.9	--		10
Benzene	ND	2.00	--	ND	6.39	--		10
Carbon tetrachloride	ND	2.00	--	ND	12.6	--		10
Cyclohexane	21.4	2.00	--	73.7	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	ND	2.00	--	ND	9.34	--		10
Heptane	3.98	2.00	--	16.3	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	2.27	2.00	--	8.55	7.54	--		10
2-Hexanone	26.6	2.00	--	109	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: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE
Lab Number: L2138922
Report Date: 07/23/21

SAMPLE RESULTS

Lab ID: L2138922-03 D
Client ID: SV-3
Sample Location: BRONX, NY

Date Collected: 07/20/21 14:20
Date Received: 07/20/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	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	95		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	92		60-140

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2138922
Report Date: 07/23/21

SAMPLE RESULTS

Lab ID: L2138922-04
Client ID: AA-2
Sample Location: BRONX, NY

Date Collected: 07/20/21 17:49
Date Received: 07/20/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 07/22/21 18:12
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.473	0.200	--	2.34	0.989	--		1
Chloromethane	0.545	0.200	--	1.13	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	6.62	5.00	--	12.5	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	6.15	1.00	--	14.6	2.38	--		1
Trichlorofluoromethane	0.205	0.200	--	1.15	1.12	--		1
Isopropanol	1.80	0.500	--	4.42	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.660	0.500	--	1.95	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2138922
Report Date: 07/23/21

SAMPLE RESULTS

Lab ID: L2138922-04
Client ID: AA-2
Sample Location: BRONX, NY

Date Collected: 07/20/21 17:49
Date Received: 07/20/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	1.19	0.500	--	3.51	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	0.433	0.200	--	1.38	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	0.639	0.200	--	2.41	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2138922
Report Date: 07/23/21

SAMPLE RESULTS

Lab ID: L2138922-04
Client ID: AA-2
Sample Location: BRONX, NY

Date Collected: 07/20/21 17:49
Date Received: 07/20/21
Field Prep: Not Specified

Sample Depth:

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	87		60-140

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2138922
Report Date: 07/23/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 07/22/21 15:07

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-04 Batch: WG1526886-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2138922
Report Date: 07/23/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 07/22/21 15:07

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-04 Batch: WG1526886-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2138922
Report Date: 07/23/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 07/22/21 15:07

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-04 Batch: WG1526886-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2138922
Report Date: 07/23/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 Batch: WG1526886-3								
Dichlorodifluoromethane	88		-		70-130	-		
Chloromethane	92		-		70-130	-		
Freon-114	93		-		70-130	-		
Vinyl chloride	86		-		70-130	-		
1,3-Butadiene	92		-		70-130	-		
Bromomethane	90		-		70-130	-		
Chloroethane	90		-		70-130	-		
Ethanol	78		-		40-160	-		
Vinyl bromide	103		-		70-130	-		
Acetone	70		-		40-160	-		
Trichlorofluoromethane	87		-		70-130	-		
Isopropanol	70		-		40-160	-		
1,1-Dichloroethene	91		-		70-130	-		
Tertiary butyl Alcohol	78		-		70-130	-		
Methylene chloride	96		-		70-130	-		
3-Chloropropene	98		-		70-130	-		
Carbon disulfide	81		-		70-130	-		
Freon-113	96		-		70-130	-		
trans-1,2-Dichloroethene	85		-		70-130	-		
1,1-Dichloroethane	92		-		70-130	-		
Methyl tert butyl ether	87		-		70-130	-		
2-Butanone	90		-		70-130	-		
cis-1,2-Dichloroethene	92		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE
Lab Number: L2138922
Report Date: 07/23/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 Batch: WG1526886-3								
Ethyl Acetate	90		-		70-130	-		
Chloroform	92		-		70-130	-		
Tetrahydrofuran	88		-		70-130	-		
1,2-Dichloroethane	88		-		70-130	-		
n-Hexane	92		-		70-130	-		
1,1,1-Trichloroethane	93		-		70-130	-		
Benzene	90		-		70-130	-		
Carbon tetrachloride	96		-		70-130	-		
Cyclohexane	92		-		70-130	-		
1,2-Dichloropropane	92		-		70-130	-		
Bromodichloromethane	94		-		70-130	-		
1,4-Dioxane	90		-		70-130	-		
Trichloroethene	88		-		70-130	-		
2,2,4-Trimethylpentane	92		-		70-130	-		
Heptane	94		-		70-130	-		
cis-1,3-Dichloropropene	94		-		70-130	-		
4-Methyl-2-pentanone	97		-		70-130	-		
trans-1,3-Dichloropropene	81		-		70-130	-		
1,1,2-Trichloroethane	94		-		70-130	-		
Toluene	88		-		70-130	-		
2-Hexanone	88		-		70-130	-		
Dibromochloromethane	94		-		70-130	-		
1,2-Dibromoethane	92		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2138922
Report Date: 07/23/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 Batch: WG1526886-3								
Tetrachloroethene	92		-		70-130	-		
Chlorobenzene	90		-		70-130	-		
Ethylbenzene	89		-		70-130	-		
p/m-Xylene	89		-		70-130	-		
Bromoform	104		-		70-130	-		
Styrene	88		-		70-130	-		
1,1,2,2-Tetrachloroethane	94		-		70-130	-		
o-Xylene	92		-		70-130	-		
4-Ethyltoluene	83		-		70-130	-		
1,3,5-Trimethylbenzene	86		-		70-130	-		
1,2,4-Trimethylbenzene	91		-		70-130	-		
Benzyl chloride	71		-		70-130	-		
1,3-Dichlorobenzene	91		-		70-130	-		
1,4-Dichlorobenzene	88		-		70-130	-		
1,2-Dichlorobenzene	87		-		70-130	-		
1,2,4-Trichlorobenzene	82		-		70-130	-		
Hexachlorobutadiene	95		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2138922
Report Date: 07/23/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1526886-5 QC Sample: L2138922-03 Client ID: SV-3						
Dichlorodifluoromethane	ND	ND	ppbV	NC		25
Chloromethane	ND	ND	ppbV	NC		25
Freon-114	ND	ND	ppbV	NC		25
Vinyl chloride	ND	ND	ppbV	NC		25
1,3-Butadiene	4.41	4.65	ppbV	5		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	6.58	6.32	ppbV	4		25
Ethanol	132	134	ppbV	2		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	407	397	ppbV	2		25
Trichlorofluoromethane	ND	ND	ppbV	NC		25
Isopropanol	10.0	9.89	ppbV	1		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
Tertiary butyl Alcohol	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	6.03	6.17	ppbV	2		25
Freon-113	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2138922
Report Date: 07/23/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1526886-5 QC Sample: L2138922-03 Client ID: SV-3						
2-Butanone	538	523	ppbV	3		25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC		25
Ethyl Acetate	ND	ND	ppbV	NC		25
Chloroform	ND	ND	ppbV	NC		25
Tetrahydrofuran	ND	ND	ppbV	NC		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
n-Hexane	25.9	25.4	ppbV	2		25
1,1,1-Trichloroethane	ND	ND	ppbV	NC		25
Benzene	ND	ND	ppbV	NC		25
Carbon tetrachloride	ND	ND	ppbV	NC		25
Cyclohexane	21.4	21.0	ppbV	2		25
1,2-Dichloropropane	ND	ND	ppbV	NC		25
Bromodichloromethane	ND	ND	ppbV	NC		25
1,4-Dioxane	ND	ND	ppbV	NC		25
Trichloroethene	ND	ND	ppbV	NC		25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC		25
Heptane	3.98	3.80	ppbV	5		25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC		25
4-Methyl-2-pentanone	ND	ND	ppbV	NC		25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC		25
1,1,2-Trichloroethane	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2138922
Report Date: 07/23/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1526886-5 QC Sample: L2138922-03 Client ID: SV-3						
Toluene	2.27	2.18	ppbV	4		25
2-Hexanone	26.6	25.3	ppbV	5		25
Dibromochloromethane	ND	ND	ppbV	NC		25
1,2-Dibromoethane	ND	ND	ppbV	NC		25
Tetrachloroethene	ND	ND	ppbV	NC		25
Chlorobenzene	ND	ND	ppbV	NC		25
Ethylbenzene	ND	ND	ppbV	NC		25
p/m-Xylene	ND	ND	ppbV	NC		25
Bromoform	ND	ND	ppbV	NC		25
Styrene	ND	ND	ppbV	NC		25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC		25
o-Xylene	ND	ND	ppbV	NC		25
4-Ethyltoluene	ND	ND	ppbV	NC		25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC		25
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC		25
Benzyl chloride	ND	ND	ppbV	NC		25
1,3-Dichlorobenzene	ND	ND	ppbV	NC		25
1,4-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC		25
Hexachlorobutadiene	ND	ND	ppbV	NC		25

Project Name: 2921 WESTCHESTER AVE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2138922

Report Date: 07/23/21

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2138922-01	SV-1	01510	Flow 3	07/14/21	356540		-	-	-	Pass	18.0	9.5	62
L2138922-01	SV-1	3440	2.7L Can	07/14/21	356540	L2136227-01	Pass	-29.5	-3.2	-	-	-	-
L2138922-02	SV-2	01951	Flow 3	07/14/21	356540		-	-	-	Pass	18.0	16.4	9
L2138922-02	SV-2	2235	2.7L Can	07/14/21	356540	L2136227-01	Pass	-29.4	-5.6	-	-	-	-
L2138922-03	SV-3	01961	Flow 3	07/14/21	356540		-	-	-	Pass	18.0	16.9	6
L2138922-03	SV-3	3238	2.7L Can	07/14/21	356540	L2136227-01	Pass	-29.4	0.0	-	-	-	-
L2138922-04	AA-2	0913	Flow 4	07/14/21	356540		-	-	-	Pass	10.0	16.1	47
L2138922-04	AA-2	1819	6.0L Can	07/14/21	356540	L2136385-03	Pass	-29.6	-7.1	-	-	-	-

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

Lab Number: L2136227
Report Date: 07/23/21

Air Canister Certification Results

Lab ID: L2136227-01
Client ID: CAN 3221 SHELF 13
Sample Location:

Date Collected: 07/03/21 09:00
Date Received: 07/06/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 07/07/21 17:30
Analyst: AW

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

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

Lab Number: L2136227
Report Date: 07/23/21

Air Canister Certification Results

Lab ID: L2136227-01
Client ID: CAN 3221 SHELF 13
Sample Location:

Date Collected: 07/03/21 09:00
Date Received: 07/06/21
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2136227
Report Date: 07/23/21

Air Canister Certification Results

Lab ID: L2136227-01
Client ID: CAN 3221 SHELF 13
Sample Location:

Date Collected: 07/03/21 09:00
Date Received: 07/06/21
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2136227
Report Date: 07/23/21

Air Canister Certification Results

Lab ID: L2136227-01
Client ID: CAN 3221 SHELF 13
Sample Location:

Date Collected: 07/03/21 09:00
Date Received: 07/06/21
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2136227
Report Date: 07/23/21

Air Canister Certification Results

Lab ID: L2136227-01
Client ID: CAN 3221 SHELF 13
Sample Location:

Date Collected: 07/03/21 09:00
Date Received: 07/06/21
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

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

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

Lab Number: L2136227
Report Date: 07/23/21

Air Canister Certification Results

Lab ID: L2136227-01
Client ID: CAN 3221 SHELF 13
Sample Location:

Date Collected: 07/03/21 09:00
Date Received: 07/06/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 07/07/21 17:30
Analyst: AW

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

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

Lab Number: L2136227
Report Date: 07/23/21

Air Canister Certification Results

Lab ID: L2136227-01
Client ID: CAN 3221 SHELF 13
Sample Location:

Date Collected: 07/03/21 09:00
Date Received: 07/06/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	0.032	0.020	--	0.172	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

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

Lab Number: L2136227
Report Date: 07/23/21

Air Canister Certification Results

Lab ID: L2136227-01
Client ID: CAN 3221 SHELF 13
Sample Location:

Date Collected: 07/03/21 09:00
Date Received: 07/06/21
Field Prep: Not Specified

Sample Depth:

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	93		60-140
bromochloromethane	94		60-140
chlorobenzene-d5	96		60-140

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

Lab Number: L2136385
Report Date: 07/23/21

Air Canister Certification Results

Lab ID: L2136385-03
Client ID: CAN 1819 SHELF 41
Sample Location:

Date Collected: 07/06/21 16:00
Date Received: 07/07/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 07/08/21 02:43
Analyst: AW

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

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

Lab Number: L2136385
Report Date: 07/23/21

Air Canister Certification Results

Lab ID: L2136385-03
Client ID: CAN 1819 SHELF 41
Sample Location:

Date Collected: 07/06/21 16:00
Date Received: 07/07/21
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2136385
Report Date: 07/23/21

Air Canister Certification Results

Lab ID: L2136385-03
Client ID: CAN 1819 SHELF 41
Sample Location:

Date Collected: 07/06/21 16:00
Date Received: 07/07/21
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2136385
Report Date: 07/23/21

Air Canister Certification Results

Lab ID: L2136385-03
Client ID: CAN 1819 SHELF 41
Sample Location:

Date Collected: 07/06/21 16:00
Date Received: 07/07/21
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2136385
Report Date: 07/23/21

Air Canister Certification Results

Lab ID: L2136385-03
Client ID: CAN 1819 SHELF 41
Sample Location:

Date Collected: 07/06/21 16:00
Date Received: 07/07/21
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

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

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

Lab Number: L2136385
Report Date: 07/23/21

Air Canister Certification Results

Lab ID: L2136385-03
Client ID: CAN 1819 SHELF 41
Sample Location:

Date Collected: 07/06/21 16:00
Date Received: 07/07/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 07/08/21 02:43
Analyst: AW

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

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

Lab Number: L2136385
Report Date: 07/23/21

Air Canister Certification Results

Lab ID: L2136385-03
Client ID: CAN 1819 SHELF 41
Sample Location:

Date Collected: 07/06/21 16:00
Date Received: 07/07/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

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

Lab Number: L2136385
Report Date: 07/23/21

Air Canister Certification Results

Lab ID: L2136385-03
Client ID: CAN 1819 SHELF 41
Sample Location:

Date Collected: 07/06/21 16:00
Date Received: 07/07/21
Field Prep: Not Specified

Sample Depth:

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

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

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2138922
Report Date: 07/23/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
NA	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2138922-01A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2138922-02A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2138922-03A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2138922-04A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name:	2921 WESTCHESTER AVE	**Lab Number:**	L2138922
Project Number:	2921 WESTCHESTER AVE	**Report Date:**	07/23/21

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report

Project Name:	2921 WESTCHESTER AVE	**Lab Number:**	L2138922
Project Number:	2921 WESTCHESTER AVE	**Report Date:**	07/23/21

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

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

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

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

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

Project Name:	2921 WESTCHESTER AVE	**Lab Number:**	L2138922
Project Number:	2921 WESTCHESTER AVE	**Report Date:**	07/23/21

Data Qualifiers

the identification is based on a mass spectral library search.

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

REFERENCES

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

LIMITATION OF LIABILITIES

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

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

Certification Information

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

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

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

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

Westborough Facility:

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

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

Mansfield Facility:

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

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

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

AIR ANALYSIS

PAGE 1 OF 1

ALPHA ANALYTICAL — *CHAIN OF CUSTODY*

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

Date Rec'd in Lab: 7/21/21

ALPHA Job #: L2138922

Client Information

Client: Tenen Environmental
Address: 121 West 27th Street
Suite 702, NY, NY 10001
Phone: 646-606-2332
Fax:
Email: acarroll@tenen-env.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 2921 Westchester Ave
Project Location: Bronx, NY
Project #: 2921 Westchester Ave
Project Manager: A. 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: Cat B deliverables
Report to: (if different than Project Manager)

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments: Cat B deliverables

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-15	TO-15 SIM	APH Subtract Non-petroleum HCs ☐	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
38922-01	SV-1	7/20/21	9:44	11:59	-29.45	-3.70	SV	AP	2.7	3440	01510	X					
-02	SV-2	↓	9:45	11:59	-29.76	-6.09	SV	↓	2.7	2235	01951	X					
-03	SV-3	↓	10:09	14:20	-29.88	-0.14	SV	↓	2.7	3238	01961	X					
-04	AA-2	↓	9:48	17:49	-29.92	-7.94	AA	↓	6	1819	0913	X					

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

Container Type: Summa

Relinquished By:	Date/Time	Received By:	Date/Time:
M. [signature]	7/20/21 17:55	[signature]	7/20/21 17:55
[signature]	7/20/21 19:15	[signature]	7/20
7/21	02:30	[signature]	7/21/21 02:30

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.

(25-Sep-15)

ANALYTICAL REPORT

Lab Number:	L2209049
Client:	Tenen Environmental, LLC 121 West 27th Street Suite 702 New York City, NY 10001
ATTN:	Alana Carroll
Phone:	(646) 606-2332
Project Name:	2921 WESTCHESTER AVE
Project Number:	2921 WESTCHESTER AVE
Report Date:	02/25/22

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: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2209049
Report Date: 02/25/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2209049-01	SB-16 (6-8)	SOIL	BRONX, NY	02/18/22 10:10	02/18/22
L2209049-02	SB-16 (6-8)_DUP	SOIL	BRONX, NY	02/18/22 10:15	02/18/22
L2209049-03	SB-17 (6-8)	SOIL	BRONX, NY	02/18/22 12:30	02/18/22
L2209049-04	FIELD BLANK	WATER	BRONX, NY	02/18/22 10:25	02/18/22
L2209049-05	TRIP BLANK	WATER	BRONX, NY	02/18/22 00:00	02/18/22

Project Name:	2921 WESTCHESTER AVE	**Lab Number:**	L2209049
Project Number:	2921 WESTCHESTER AVE	**Report Date:**	02/25/22

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	2921 WESTCHESTER AVE	**Lab Number:**	L2209049
Project Number:	2921 WESTCHESTER AVE	**Report Date:**	02/25/22

Case Narrative (continued)

Report Submission

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

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

Authorized Signature: Cristin Walker

Title: Technical Director/Representative

Date: 02/25/22

ORGANICS

VOLATILES

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2209049
Report Date: 02/25/22

SAMPLE RESULTS

Lab ID: L2209049-01
Client ID: SB-16 (6-8)
Sample Location: BRONX, NY

Date Collected: 02/18/22 10:10
Date Received: 02/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 02/23/22 15:21
Analyst: AJK
Percent Solids: 97%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.3	2.9	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.18	1
Chloroform	ND		ug/kg	1.9	0.18	1
Carbon tetrachloride	ND		ug/kg	1.2	0.29	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.16	1
Dibromochloromethane	ND		ug/kg	1.2	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.33	1
Tetrachloroethene	ND		ug/kg	0.63	0.24	1
Chlorobenzene	ND		ug/kg	0.63	0.16	1
Trichlorofluoromethane	ND		ug/kg	5.0	0.87	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.32	1
1,1,1-Trichloroethane	ND		ug/kg	0.63	0.21	1
Bromodichloromethane	ND		ug/kg	0.63	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.34	1
cis-1,3-Dichloropropene	ND		ug/kg	0.63	0.20	1
Bromoform	ND		ug/kg	5.0	0.31	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.63	0.21	1
Benzene	ND		ug/kg	0.63	0.21	1
Toluene	ND		ug/kg	1.2	0.68	1
Ethylbenzene	ND		ug/kg	1.2	0.18	1
Chloromethane	ND		ug/kg	5.0	1.2	1
Bromomethane	ND		ug/kg	2.5	0.73	1
Vinyl chloride	ND		ug/kg	1.2	0.42	1
Chloroethane	ND		ug/kg	2.5	0.57	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.17	1
Trichloroethene	ND		ug/kg	0.63	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	2.5	0.18	1

Project Name: 2921 WESTCHESTER AVE **Lab Number:** L2209049

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/25/22

SAMPLE RESULTS

Lab ID: L2209049-01 Date Collected: 02/18/22 10:10

Client ID: SB-16 (6-8) Date Received: 02/18/22

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.5	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.5	0.21	1
Methyl tert butyl ether	ND		ug/kg	2.5	0.25	1
p/m-Xylene	ND		ug/kg	2.5	0.70	1
o-Xylene	ND		ug/kg	1.2	0.36	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.22	1
Styrene	ND		ug/kg	1.2	0.24	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	ND		ug/kg	12	6.0	1
Carbon disulfide	ND		ug/kg	12	5.7	1
2-Butanone	ND		ug/kg	12	2.8	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.6	1
2-Hexanone	ND		ug/kg	12	1.5	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.35	1
n-Butylbenzene	ND		ug/kg	1.2	0.21	1
sec-Butylbenzene	ND		ug/kg	1.2	0.18	1
tert-Butylbenzene	ND		ug/kg	2.5	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.8	1.2	1
Isopropylbenzene	ND		ug/kg	1.2	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.14	1
Naphthalene	ND		ug/kg	5.0	0.82	1
n-Propylbenzene	ND		ug/kg	1.2	0.21	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.5	0.34	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.5	0.24	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.5	0.42	1
Methyl Acetate	ND		ug/kg	5.0	1.2	1
Cyclohexane	ND		ug/kg	12	0.68	1
Freon-113	ND		ug/kg	5.0	0.87	1
Methyl cyclohexane	ND		ug/kg	5.0	0.76	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	102		70-130

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2209049
Report Date: 02/25/22

SAMPLE RESULTS

Lab ID: L2209049-02
Client ID: SB-16 (6-8)_DUP
Sample Location: BRONX, NY

Date Collected: 02/18/22 10:15
Date Received: 02/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 02/23/22 15:46
Analyst: AJK
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.7	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.95	0.14	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.95	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.95	0.12	1
Dibromochloromethane	ND		ug/kg	0.95	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.95	0.25	1
Tetrachloroethene	ND		ug/kg	0.47	0.18	1
Chlorobenzene	ND		ug/kg	0.47	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.8	0.66	1
1,2-Dichloroethane	ND		ug/kg	0.95	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.47	0.16	1
Bromodichloromethane	ND		ug/kg	0.47	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.95	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.47	0.15	1
Bromoform	ND		ug/kg	3.8	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.47	0.16	1
Benzene	ND		ug/kg	0.47	0.16	1
Toluene	ND		ug/kg	0.95	0.51	1
Ethylbenzene	ND		ug/kg	0.95	0.13	1
Chloromethane	ND		ug/kg	3.8	0.88	1
Bromomethane	ND		ug/kg	1.9	0.55	1
Vinyl chloride	ND		ug/kg	0.95	0.32	1
Chloroethane	ND		ug/kg	1.9	0.43	1
1,1-Dichloroethene	ND		ug/kg	0.95	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1
Trichloroethene	ND		ug/kg	0.47	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.14	1

Project Name: 2921 WESTCHESTER AVE **Lab Number:** L2209049

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/25/22

SAMPLE RESULTS

Lab ID: L2209049-02 Date Collected: 02/18/22 10:15

Client ID: SB-16 (6-8)_DUP Date Received: 02/18/22

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.53	1
o-Xylene	ND		ug/kg	0.95	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	0.95	0.16	1
Styrene	ND		ug/kg	0.95	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.5	0.87	1
Acetone	ND		ug/kg	9.5	4.6	1
Carbon disulfide	ND		ug/kg	9.5	4.3	1
2-Butanone	ND		ug/kg	9.5	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	9.5	1.2	1
2-Hexanone	ND		ug/kg	9.5	1.1	1
1,2-Dibromoethane	ND		ug/kg	0.95	0.26	1
n-Butylbenzene	ND		ug/kg	0.95	0.16	1
sec-Butylbenzene	ND		ug/kg	0.95	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.94	1
Isopropylbenzene	ND		ug/kg	0.95	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.95	0.10	1
Naphthalene	ND		ug/kg	3.8	0.62	1
n-Propylbenzene	ND		ug/kg	0.95	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.32	1
Methyl Acetate	ND		ug/kg	3.8	0.90	1
Cyclohexane	ND		ug/kg	9.5	0.51	1
Freon-113	ND		ug/kg	3.8	0.66	1
Methyl cyclohexane	ND		ug/kg	3.8	0.57	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	102		70-130

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2209049
Report Date: 02/25/22

SAMPLE RESULTS

Lab ID: L2209049-03
Client ID: SB-17 (6-8)
Sample Location: BRONX, NY

Date Collected: 02/18/22 12:30
Date Received: 02/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 02/23/22 16:11
Analyst: AJK
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.7	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.95	0.14	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.95	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.95	0.12	1
Dibromochloromethane	ND		ug/kg	0.95	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.95	0.25	1
Tetrachloroethene	2.9		ug/kg	0.47	0.19	1
Chlorobenzene	ND		ug/kg	0.47	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.8	0.66	1
1,2-Dichloroethane	ND		ug/kg	0.95	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.47	0.16	1
Bromodichloromethane	ND		ug/kg	0.47	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.95	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.47	0.15	1
Bromoform	ND		ug/kg	3.8	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.47	0.16	1
Benzene	ND		ug/kg	0.47	0.16	1
Toluene	ND		ug/kg	0.95	0.52	1
Ethylbenzene	ND		ug/kg	0.95	0.13	1
Chloromethane	ND		ug/kg	3.8	0.88	1
Bromomethane	ND		ug/kg	1.9	0.55	1
Vinyl chloride	ND		ug/kg	0.95	0.32	1
Chloroethane	ND		ug/kg	1.9	0.43	1
1,1-Dichloroethene	ND		ug/kg	0.95	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1
Trichloroethene	0.44	J	ug/kg	0.47	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.14	1

Project Name: 2921 WESTCHESTER AVE **Lab Number:** L2209049

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/25/22

SAMPLE RESULTS

Lab ID: L2209049-03 Date Collected: 02/18/22 12:30

Client ID: SB-17 (6-8) Date Received: 02/18/22

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.53	1
o-Xylene	ND		ug/kg	0.95	0.28	1
cis-1,2-Dichloroethene	2.3		ug/kg	0.95	0.17	1
Styrene	ND		ug/kg	0.95	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.5	0.87	1
Acetone	ND		ug/kg	9.5	4.6	1
Carbon disulfide	ND		ug/kg	9.5	4.3	1
2-Butanone	ND		ug/kg	9.5	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	9.5	1.2	1
2-Hexanone	ND		ug/kg	9.5	1.1	1
1,2-Dibromoethane	ND		ug/kg	0.95	0.26	1
n-Butylbenzene	ND		ug/kg	0.95	0.16	1
sec-Butylbenzene	ND		ug/kg	0.95	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.95	1
Isopropylbenzene	ND		ug/kg	0.95	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.95	0.10	1
Naphthalene	ND		ug/kg	3.8	0.62	1
n-Propylbenzene	ND		ug/kg	0.95	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.32	1
Methyl Acetate	ND		ug/kg	3.8	0.90	1
Cyclohexane	ND		ug/kg	9.5	0.52	1
Freon-113	ND		ug/kg	3.8	0.66	1
Methyl cyclohexane	ND		ug/kg	3.8	0.57	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	101		70-130

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2209049
Report Date: 02/25/22

SAMPLE RESULTS

Lab ID: L2209049-04
Client ID: FIELD BLANK
Sample Location: BRONX, NY

Date Collected: 02/18/22 10:25
Date Received: 02/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 02/22/22 11:33
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
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
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 2921 WESTCHESTER AVE **Lab Number:** L2209049

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/25/22

SAMPLE RESULTS

Lab ID: L2209049-04 Date Collected: 02/18/22 10:25

Client ID: FIELD BLANK Date Received: 02/18/22

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						
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
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	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
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	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
1,2-Dibromo-3-chloropropane	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
n-Propylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

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

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2209049
Report Date: 02/25/22

SAMPLE RESULTS

Lab ID: L2209049-05
Client ID: TRIP BLANK
Sample Location: BRONX, NY

Date Collected: 02/18/22 00:00
Date Received: 02/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 02/22/22 11:56
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
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
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 2921 WESTCHESTER AVE **Lab Number:** L2209049

Project Number: 2921 WESTCHESTER A\ **Report Date:** 02/25/22

SAMPLE RESULTS

Lab ID: L2209049-05 Date Collected: 02/18/22 00:00

Client ID: TRIP BLANK Date Received: 02/18/22

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						
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
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	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
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	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
1,2-Dibromo-3-chloropropane	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
n-Propylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	97		70-130

Project Name: 2921 WESTCHESTER AVE **Lab Number:** L2209049

Project Number: 2921 WESTCHESTER AVE **Report Date:** 02/25/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/22/22 08:51
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-05 Batch: WG1608156-5					
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
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
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: 2921 WESTCHESTER AVE **Lab Number:** L2209049

Project Number: 2921 WESTCHESTER AVE **Report Date:** 02/25/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/22/22 08:51
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-05 Batch: WG1608156-5					
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
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
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
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
1,2-Dibromoethane	ND		ug/l	2.0	0.65
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
1,2-Dibromo-3-chloropropane	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
1,2,4-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
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: 2921 WESTCHESTER AVE **Lab Number:** L2209049

Project Number: 2921 WESTCHESTER AVE **Report Date:** 02/25/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/22/22 08:51
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-05 Batch: WG1608156-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	96		70-130

Project Name: 2921 WESTCHESTER AVE **Lab Number:** L2209049

Project Number: 2921 WESTCHESTER AVE **Report Date:** 02/25/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/23/22 08:47
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-03 Batch: WG1608723-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15

Project Name: 2921 WESTCHESTER AVE **Lab Number:** L2209049

Project Number: 2921 WESTCHESTER AVE **Report Date:** 02/25/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/23/22 08:47
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-03 Batch: WG1608723-5					
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: 2921 WESTCHESTER AVE **Lab Number:** L2209049

Project Number: 2921 WESTCHESTER AVE **Report Date:** 02/25/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/23/22 08:47
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-03 Batch: WG1608723-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2209049
Report Date: 02/25/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG1608156-3 WG1608156-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	97		96		70-130	1		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	98		98		63-132	0		20
1,2-Dichloropropane	100		100		70-130	0		20
Dibromochloromethane	93		94		63-130	1		20
1,1,2-Trichloroethane	100		100		70-130	0		20
Tetrachloroethene	94		92		70-130	2		20
Chlorobenzene	95		96		75-130	1		20
Trichlorofluoromethane	98		96		62-150	2		20
1,2-Dichloroethane	97		99		70-130	2		20
1,1,1-Trichloroethane	94		95		67-130	1		20
Bromodichloromethane	100		100		67-130	0		20
trans-1,3-Dichloropropene	95		98		70-130	3		20
cis-1,3-Dichloropropene	98		100		70-130	2		20
Bromoform	97		99		54-136	2		20
1,1,2,2-Tetrachloroethane	100		110		67-130	10		20
Benzene	100		100		70-130	0		20
Toluene	97		96		70-130	1		20
Ethylbenzene	96		97		70-130	1		20
Chloromethane	74		76		64-130	3		20
Bromomethane	57		54		39-139	5		20
Vinyl chloride	82		81		55-140	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2209049
Report Date: 02/25/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG1608156-3 WG1608156-4								
Chloroethane	89		88		55-138	1		20
1,1-Dichloroethene	95		94		61-145	1		20
trans-1,2-Dichloroethene	99		98		70-130	1		20
Trichloroethene	100		98		70-130	2		20
1,2-Dichlorobenzene	90		93		70-130	3		20
1,3-Dichlorobenzene	92		94		70-130	2		20
1,4-Dichlorobenzene	91		93		70-130	2		20
Methyl tert butyl ether	92		94		63-130	2		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		95		70-130	5		20
cis-1,2-Dichloroethene	98		99		70-130	1		20
Styrene	95		100		70-130	5		20
Dichlorodifluoromethane	87		86		36-147	1		20
Acetone	100		98		58-148	2		20
Carbon disulfide	96		95		51-130	1		20
2-Butanone	110		120		63-138	9		20
4-Methyl-2-pentanone	99		100		59-130	1		20
2-Hexanone	96		100		57-130	4		20
1,2-Dibromoethane	100		100		70-130	0		20
n-Butylbenzene	99		100		53-136	1		20
sec-Butylbenzene	100		100		70-130	0		20
tert-Butylbenzene	96		98		70-130	2		20
1,2-Dibromo-3-chloropropane	89		94		41-144	5		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2209049
Report Date: 02/25/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG1608156-3 WG1608156-4								
Isopropylbenzene	100		100		70-130	0		20
p-Isopropyltoluene	96		98		70-130	2		20
Naphthalene	85		97		70-130	13		20
n-Propylbenzene	99		100		69-130	1		20
1,2,4-Trichlorobenzene	88		94		70-130	7		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,2,4-Trimethylbenzene	100		100		70-130	0		20
Methyl Acetate	120		120		70-130	0		20
Cyclohexane	100		100		70-130	0		20
Freon-113	100		100		70-130	0		20
Methyl cyclohexane	100		100		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		99		70-130
Toluene-d8	96		95		70-130
4-Bromofluorobenzene	97		98		70-130
Dibromofluoromethane	99		99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2209049
Report Date: 02/25/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03 Batch: WG1608723-3 WG1608723-4								
Methylene chloride	98		95		70-130	3		30
1,1-Dichloroethane	98		94		70-130	4		30
Chloroform	104		100		70-130	4		30
Carbon tetrachloride	118		116		70-130	2		30
1,2-Dichloropropane	98		96		70-130	2		30
Dibromochloromethane	102		103		70-130	1		30
1,1,2-Trichloroethane	99		98		70-130	1		30
Tetrachloroethene	**140**	Q	**137**	Q	70-130	2		30
Chlorobenzene	109		107		70-130	2		30
Trichlorofluoromethane	102		98		70-139	4		30
1,2-Dichloroethane	95		93		70-130	2		30
1,1,1-Trichloroethane	114		111		70-130	3		30
Bromodichloromethane	101		98		70-130	3		30
trans-1,3-Dichloropropene	99		98		70-130	1		30
cis-1,3-Dichloropropene	104		101		70-130	3		30
Bromoform	93		94		70-130	1		30
1,1,2,2-Tetrachloroethane	93		93		70-130	0		30
Benzene	106		102		70-130	4		30
Toluene	106		104		70-130	2		30
Ethylbenzene	106		105		70-130	1		30
Chloromethane	72		69		52-130	4		30
Bromomethane	105		103		57-147	2		30
Vinyl chloride	81		77		67-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2209049
Report Date: 02/25/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03 Batch: WG1608723-3 WG1608723-4								
Chloroethane	84		81		50-151	4		30
1,1-Dichloroethene	115		110		65-135	4		30
trans-1,2-Dichloroethene	112		109		70-130	3		30
Trichloroethene	114		110		70-130	4		30
1,2-Dichlorobenzene	108		107		70-130	1		30
1,3-Dichlorobenzene	111		109		70-130	2		30
1,4-Dichlorobenzene	109		107		70-130	2		30
Methyl tert butyl ether	90		89		66-130	1		30
p/m-Xylene	112		109		70-130	3		30
o-Xylene	106		105		70-130	1		30
cis-1,2-Dichloroethene	108		104		70-130	4		30
Styrene	106		105		70-130	1		30
Dichlorodifluoromethane	81		77		30-146	5		30
Acetone	62		61		54-140	2		30
Carbon disulfide	98		94		59-130	4		30
2-Butanone	80		74		70-130	8		30
4-Methyl-2-pentanone	89		90		70-130	1		30
2-Hexanone	79		81		70-130	3		30
1,2-Dibromoethane	108		108		70-130	0		30
n-Butylbenzene	112		110		70-130	2		30
sec-Butylbenzene	112		110		70-130	2		30
tert-Butylbenzene	110		109		70-130	1		30
1,2-Dibromo-3-chloropropane	96		100		68-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2209049
Report Date: 02/25/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03 Batch: WG1608723-3 WG1608723-4								
Isopropylbenzene	106		105		70-130	1		30
p-Isopropyltoluene	112		110		70-130	2		30
Naphthalene	100		101		70-130	1		30
n-Propylbenzene	104		102		70-130	2		30
1,2,4-Trichlorobenzene	120		119		70-130	1		30
1,3,5-Trimethylbenzene	106		104		70-130	2		30
1,2,4-Trimethylbenzene	104		102		70-130	2		30
Methyl Acetate	85		82		51-146	4		30
Cyclohexane	96		94		59-142	2		30
Freon-113	112		108		50-139	4		30
Methyl cyclohexane	106		102		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	92		92		70-130
Toluene-d8	96		97		70-130
4-Bromofluorobenzene	88		89		70-130
Dibromofluoromethane	99		99		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2209049

Report Date: 02/25/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1608723-6 WG1608723-7 QC Sample: L2209049-03 Client ID: SB-17 (6-8)												
Methylene chloride	ND	87.2	78	89		83	89		70-130	6		30
1,1-Dichloroethane	ND	87.2	82	93		85	92		70-130	4		30
Chloroform	ND	87.2	85	97		89	96		70-130	5		30
Carbon tetrachloride	ND	87.2	100	116		110	114		70-130	5		30
1,2-Dichloropropane	ND	87.2	81	93		86	93		70-130	6		30
Dibromochloromethane	ND	87.2	87	99		93	100		70-130	7		30
1,1,2-Trichloroethane	ND	87.2	80	92		85	92		70-130	7		30
Tetrachloroethene	2.9	87.2	120	**132**	Q	120	125		70-130	1		30
Chlorobenzene	ND	87.2	86	99		92	98		70-130	6		30
Trichlorofluoromethane	ND	87.2	88	101		92	99		70-139	4		30
1,2-Dichloroethane	ND	87.2	77	88		82	88		70-130	6		30
1,1,1-Trichloroethane	ND	87.2	96	110		100	109		70-130	5		30
Bromodichloromethane	ND	87.2	83	95		89	96		70-130	7		30
trans-1,3-Dichloropropene	ND	87.2	79	91		84	90		70-130	6		30
cis-1,3-Dichloropropene	ND	87.2	84	96		89	96		70-130	6		30
Bromoform	ND	87.2	81	93		88	94		70-130	8		30
1,1,2,2-Tetrachloroethane	ND	87.2	65	74		79	85		70-130	21		30
Benzene	ND	87.2	88	100		92	99		70-130	5		30
Toluene	ND	87.2	87	99		91	98		70-130	5		30
Ethylbenzene	ND	87.2	85	98		91	98		70-130	6		30
Chloromethane	ND	87.2	59	68		62	66		52-130	4		30
Bromomethane	ND	87.2	81	93		85	92		57-147	5		30
Vinyl chloride	ND	87.2	65	74		68	73		67-130	4		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2209049

Report Date: 02/25/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1608723-6 WG1608723-7 QC Sample: L2209049-03 Client ID: SB-17 (6-8)												
Chloroethane	ND	87.2	62	71		64	69		50-151	4		30
1,1-Dichloroethene	ND	87.2	99	113		100	111		65-135	4		30
trans-1,2-Dichloroethene	ND	87.2	91	105		97	104		70-130	5		30
Trichloroethene	0.44J	87.2	110	120		99	107		70-130	6		30
1,2-Dichlorobenzene	ND	87.2	81	93		88	94		70-130	8		30
1,3-Dichlorobenzene	ND	87.2	79	91		86	93		70-130	8		30
1,4-Dichlorobenzene	ND	87.2	77	88		83	90		70-130	8		30
Methyl tert butyl ether	ND	87.2	75	86		79	85		66-130	5		30
p/m-Xylene	ND	174	170	99		190	100		70-130	7		30
o-Xylene	ND	174	170	97		180	97		70-130	6		30
cis-1,2-Dichloroethene	2.3	87.2	94	105		93	98		70-130	0		30
Styrene	ND	174	160	94		180	95		70-130	7		30
Dichlorodifluoromethane	ND	87.2	70	80		72	77		30-146	3		30
Acetone	ND	87.2	53	60		55	59		54-140	4		30
Carbon disulfide	ND	87.2	82	94		85	91		59-130	4		30
2-Butanone	ND	87.2	59	**67**	Q	64	**68**	Q	70-130	8		30
4-Methyl-2-pentanone	ND	87.2	76	87		80	86		70-130	4		30
2-Hexanone	ND	87.2	68	78		72	77		70-130	6		30
1,2-Dibromoethane	ND	87.2	89	102		95	102		70-130	7		30
n-Butylbenzene	ND	87.2	79	90		85	91		70-130	8		30
sec-Butylbenzene	ND	87.2	88	101		94	101		70-130	7		30
tert-Butylbenzene	ND	87.2	90	103		96	103		70-130	7		30
1,2-Dibromo-3-chloropropane	ND	87.2	83	95		92	99		68-130	11		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2209049

Report Date: 02/25/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1608723-6 WG1608723-7 QC Sample: L2209049-03 Client ID: SB-17 (6-8)												
Isopropylbenzene	ND	87.2	87	99		92	99		70-130	6		30
p-Isopropyltoluene	ND	87.2	85	98		91	98		70-130	7		30
Naphthalene	ND	87.2	80	92		85	92		70-130	6		30
n-Propylbenzene	ND	87.2	82	93		86	93		70-130	6		30
1,2,4-Trichlorobenzene	ND	87.2	73	84		82	88		70-130	12		30
1,3,5-Trimethylbenzene	ND	87.2	81	93		87	93		70-130	6		30
1,2,4-Trimethylbenzene	ND	87.2	80	91		84	90		70-130	5		30
Methyl Acetate	ND	87.2	69	79		72	77		51-146	5		30
Cyclohexane	ND	87.2	87	100		90	97		59-142	3		30
Freon-113	ND	87.2	96	110		100	107		50-139	3		30
Methyl cyclohexane	ND	87.2	94	108		98	106		70-130	4		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		91		70-130
4-Bromofluorobenzene	91		93		70-130
Dibromofluoromethane	98		99		70-130
Toluene-d8	96		96		70-130

INORGANICS
&
MISCELLANEOUS

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2209049
Report Date: 02/25/22

SAMPLE RESULTS

Lab ID: L2209049-01
Client ID: SB-16 (6-8)
Sample Location: BRONX, NY

Date Collected: 02/18/22 10:10
Date Received: 02/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	97.0		%	0.100	NA	1	-	02/19/22 09:50	121,2540G	RI

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2209049
Report Date: 02/25/22

SAMPLE RESULTS

Lab ID: L2209049-02
Client ID: SB-16 (6-8)_DUP
Sample Location: BRONX, NY

Date Collected: 02/18/22 10:15
Date Received: 02/18/22
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	91.7		%	0.100	NA	1	-	02/19/22 09:50	121,2540G	RI

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2209049
Report Date: 02/25/22

SAMPLE RESULTS

Lab ID: L2209049-03
Client ID: SB-17 (6-8)
Sample Location: BRONX, NY

Date Collected: 02/18/22 12:30
Date Received: 02/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.3		%	0.100	NA	1	-	02/19/22 09:50	121,2540G	RI

Lab Duplicate Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2209049

Report Date: 02/25/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1606831-1 QC Sample: L2209049-03 Client ID: SB-17 (6-8)						
Solids, Total	91.3	91.9	%	1		20

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2209049
Report Date: 02/25/22

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2209049-01A	5 gram Encore Sampler	A	NA		2.9	Y	Absent		NYTCL-8260HLW(14)
L2209049-01B	5 gram Encore Sampler	A	NA		2.9	Y	Absent		NYTCL-8260HLW(14)
L2209049-01C	5 gram Encore Sampler	A	NA		2.9	Y	Absent		NYTCL-8260HLW(14)
L2209049-01D	Plastic 2oz unpreserved for TS	A	NA		2.9	Y	Absent		TS(7)
L2209049-01X	Vial MeOH preserved split	A	NA		2.9	Y	Absent		NYTCL-8260HLW(14)
L2209049-01Y	Vial Water preserved split	A	NA		2.9	Y	Absent	19-FEB-22 07:23	NYTCL-8260HLW(14)
L2209049-01Z	Vial Water preserved split	A	NA		2.9	Y	Absent	19-FEB-22 07:23	NYTCL-8260HLW(14)
L2209049-02A	5 gram Encore Sampler	A	NA		2.9	Y	Absent		NYTCL-8260HLW(14)
L2209049-02B	5 gram Encore Sampler	A	NA		2.9	Y	Absent		NYTCL-8260HLW(14)
L2209049-02C	5 gram Encore Sampler	A	NA		2.9	Y	Absent		NYTCL-8260HLW(14)
L2209049-02D	Plastic 2oz unpreserved for TS	A	NA		2.9	Y	Absent		TS(7)
L2209049-02X	Vial MeOH preserved split	A	NA		2.9	Y	Absent		NYTCL-8260HLW(14)
L2209049-02Y	Vial Water preserved split	A	NA		2.9	Y	Absent	19-FEB-22 07:23	NYTCL-8260HLW(14)
L2209049-02Z	Vial Water preserved split	A	NA		2.9	Y	Absent	19-FEB-22 07:23	NYTCL-8260HLW(14)
L2209049-03A	5 gram Encore Sampler	A	NA		2.9	Y	Absent		NYTCL-8260HLW(14)
L2209049-03A1	5 gram Encore Sampler	A	NA		2.9	Y	Absent		NYTCL-8260HLW(14)
L2209049-03A2	5 gram Encore Sampler	A	NA		2.9	Y	Absent		NYTCL-8260HLW(14)
L2209049-03B	5 gram Encore Sampler	A	NA		2.9	Y	Absent		NYTCL-8260HLW(14)
L2209049-03B1	5 gram Encore Sampler	A	NA		2.9	Y	Absent		NYTCL-8260HLW(14)
L2209049-03B2	5 gram Encore Sampler	A	NA		2.9	Y	Absent		NYTCL-8260HLW(14)
L2209049-03C	5 gram Encore Sampler	A	NA		2.9	Y	Absent		NYTCL-8260HLW(14)
L2209049-03C1	5 gram Encore Sampler	A	NA		2.9	Y	Absent		NYTCL-8260HLW(14)
L2209049-03C2	5 gram Encore Sampler	A	NA		2.9	Y	Absent		NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2209049
Report Date: 02/25/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2209049-03D	Plastic 2oz unpreserved for TS	A	NA		2.9	Y	Absent		TS(7)
L2209049-03D1	Plastic 2oz unpreserved for TS	A	NA		2.9	Y	Absent		TS(7)
L2209049-03D2	Plastic 2oz unpreserved for TS	A	NA		2.9	Y	Absent		TS(7)
L2209049-03X	Vial MeOH preserved split	A	NA		2.9	Y	Absent		NYTCL-8260HLW(14)
L2209049-03X1	Vial MeOH preserved split	A	NA		2.9	Y	Absent		NYTCL-8260HLW(14)
L2209049-03X2	Vial MeOH preserved split	A	NA		2.9	Y	Absent		NYTCL-8260HLW(14)
L2209049-03Y	Vial Water preserved split	A	NA		2.9	Y	Absent	19-FEB-22 07:23	NYTCL-8260HLW(14)
L2209049-03Y1	Vial Water preserved split	A	NA		2.9	Y	Absent	19-FEB-22 07:23	NYTCL-8260HLW(14)
L2209049-03Y2	Vial Water preserved split	A	NA		2.9	Y	Absent	19-FEB-22 07:23	NYTCL-8260HLW(14)
L2209049-03Z	Vial Water preserved split	A	NA		2.9	Y	Absent	19-FEB-22 07:23	NYTCL-8260HLW(14)
L2209049-03Z1	Vial Water preserved split	A	NA		2.9	Y	Absent	19-FEB-22 07:23	NYTCL-8260HLW(14)
L2209049-03Z2	Vial Water preserved split	A	NA		2.9	Y	Absent	19-FEB-22 07:23	NYTCL-8260HLW(14)
L2209049-04A	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260(14)
L2209049-04B	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260(14)
L2209049-04C	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260(14)
L2209049-05A	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260(14)
L2209049-05B	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	2921 WESTCHESTER AVE	**Lab Number:**	L2209049
Project Number:	2921 WESTCHESTER AVE	**Report Date:**	02/25/22

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	2921 WESTCHESTER AVE	**Lab Number:**	L2209049
Project Number:	2921 WESTCHESTER AVE	**Report Date:**	02/25/22

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	2921 WESTCHESTER AVE	**Lab Number:**	L2209049
Project Number:	2921 WESTCHESTER AVE	**Report Date:**	02/25/22

Data Qualifiers

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	2921 WESTCHESTER AVE	**Lab Number:**	L2209049
Project Number:	2921 WESTCHESTER AVE	**Report Date:**	02/25/22

REFERENCES

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

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

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

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

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

Westborough Facility:

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

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

Mansfield Facility:

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

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

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

ALPHA ANALYTICAL

NEW YORK CHAIN OF CUSTODY

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

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 02/18/22

ALPHA Job #: L2209049

Client Information
Client: Tenen Environmental
Address: 121 West 27th Street Suite 702, NY, NY 10001
Phone: 646-606-2332
Fax:
Email: acarroll@tenen-env.com

Project Information
Project Name: 2921 Westchester Avenue
Project Location: Bronx, NY
Project #
(Use Project name as Project #) ☒
Project Manager: A. Carroll
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

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

Billing Information
☒ Same as Client Info
PO #

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

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Cat B deliverables MS/MSD from SB-17 (6-8)

Please specify Metals or TAL.

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	VOCs	Sample Specific Comments	Total Bottle
09049-01	SB-16 (6-8)	2/18/22	10:10	Soil	AP	X		4
-02	SB-16 (6-8)_DUP	↓	10:15	↓	↓	X		4
-03	SB-17 (6-8)	↓	12:30	↓	↓	X		4
-04	Field Blank	↓	10:25	Water	↓	X		3
-05	Trip Blank	↓		↓	↓	X		2

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

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

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

Container Type	E											
Preservative	A											

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	2-18-22/1440	[signature]	2/18/22 1600
[signature]	2/18/22 1850	Paul Maggella	2/18/22 1900
Paul Maggella	2/18/22 2333	[signature]	2/18/22 2335

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

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

ANALYTICAL REPORT

Lab Number:	L2210146
Client:	Tenen Environmental, LLC 121 West 27th Street Suite 702 New York City, NY 10001
ATTN:	Alana Carroll
Phone:	(646) 606-2332
Project Name:	2921 WESTCHESTER AVENUE
Project Number:	2921 WESTCHESTER AVE
Report Date:	03/02/22

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: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210146
Report Date: 03/02/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2210146-01	MW-7	WATER	BRONX, NY	02/24/22 10:45	02/24/22
L2210146-02	MW-8	WATER	BRONX, NY	02/24/22 08:10	02/24/22
L2210146-03	MW-8_DUP	WATER	BRONX, NY	02/24/22 08:40	02/24/22
L2210146-04	FIELD BLANK	WATER	BRONX, NY	02/24/22 10:00	02/24/22
L2210146-05	TRIP BLANK	WATER	BRONX, NY	02/24/22 00:00	02/24/22

Project Name:	2921 WESTCHESTER AVENUE	**Lab Number:**	L2210146
Project Number:	2921 WESTCHESTER AVE	**Report Date:**	03/02/22

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	2921 WESTCHESTER AVENUE	**Lab Number:**	L2210146
Project Number:	2921 WESTCHESTER AVE	**Report Date:**	03/02/22

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.

Volatile Organics

The WG1610072-6/-7 MS/MSD recoveries, performed on L2210146-02, are outside the acceptance criteria for cis-1,2-dichloroethene (0%/0%). The unacceptable percent recoveries are attributed to the elevated concentrations of target compounds present in the native sample.

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

Authorized Signature: Cristin Walker

Title: Technical Director/Representative

Date: 03/02/22

ORGANICS

VOLATILES

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2210146
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2210146-01
Client ID: MW-7
Sample Location: BRONX, NY

Date Collected: 02/24/22 10:45
Date Received: 02/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 02/28/22 15:21
Analyst: MV

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	81		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
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	0.84	J	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	0.20	J	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
Trichloroethene	24		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2210146

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/02/22

SAMPLE RESULTS

Lab ID: L2210146-01 Date Collected: 02/24/22 10:45

Client ID: MW-7 Date Received: 02/24/22

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						
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	3.6		ug/l	2.5	0.70	1
o-Xylene	1.4	J	ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	140		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.8	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
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	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
1,2-Dibromo-3-chloropropane	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
n-Propylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	124		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	111		70-130

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2210146
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2210146-02
Client ID: MW-8
Sample Location: BRONX, NY

Date Collected: 02/24/22 08:10
Date Received: 02/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 02/28/22 15:47
Analyst: MV

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	89		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
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	0.34	J	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
Trichloroethene	22		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2210146

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/02/22

SAMPLE RESULTS

Lab ID: L2210146-02 Date Collected: 02/24/22 08:10

Client ID: MW-8 Date Received: 02/24/22

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						
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
cis-1,2-Dichloroethene	130		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	21		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
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	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
1,2-Dibromo-3-chloropropane	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
n-Propylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	128		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	112		70-130

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2210146
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2210146-03
Client ID: MW-8_DUP
Sample Location: BRONX, NY

Date Collected: 02/24/22 08:40
Date Received: 02/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 02/28/22 16:13
Analyst: MV

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	86		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
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	0.34	J	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
Trichloroethene	21		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2210146

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/02/22

SAMPLE RESULTS

Lab ID: L2210146-03 Date Collected: 02/24/22 08:40

Client ID: MW-8_DUP Date Received: 02/24/22

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						
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
cis-1,2-Dichloroethene	120		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	22		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
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	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
1,2-Dibromo-3-chloropropane	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
n-Propylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	126		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	112		70-130

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2210146

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/02/22

SAMPLE RESULTS

Lab ID: L2210146-04
Client ID: FIELD BLANK
Sample Location: BRONX, NY

Date Collected: 02/24/22 10:00
Date Received: 02/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 02/26/22 09:45
Analyst: MV

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
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
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2210146

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/02/22

SAMPLE RESULTS

Lab ID: L2210146-04 Date Collected: 02/24/22 10:00

Client ID: FIELD BLANK Date Received: 02/24/22

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						
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
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	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
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	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
1,2-Dibromo-3-chloropropane	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
n-Propylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	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: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER A\

Lab Number: L2210146
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2210146-05
Client ID: TRIP BLANK
Sample Location: BRONX, NY

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

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 02/26/22 10:08
Analyst: MV

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
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
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2210146

Project Number: 2921 WESTCHESTER A\ **Report Date:** 03/02/22

SAMPLE RESULTS

Lab ID: L2210146-05 Date Collected: 02/24/22 00:00

Client ID: TRIP BLANK Date Received: 02/24/22

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						
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
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	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
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	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
1,2-Dibromo-3-chloropropane	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
n-Propylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	107		70-130

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210146
Report Date: 03/02/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/26/22 08:36
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-05 Batch: WG1609637-5					
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
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
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2210146

Project Number: 2921 WESTCHESTER AVE **Report Date:** 03/02/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/26/22 08:36
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-05 Batch: WG1609637-5					
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
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
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
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
1,2-Dibromoethane	ND		ug/l	2.0	0.65
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
1,2-Dibromo-3-chloropropane	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
1,2,4-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
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2210146

Project Number: 2921 WESTCHESTER AVE **Report Date:** 03/02/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/26/22 08:36
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-05 Batch: WG1609637-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	107		70-130

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210146
Report Date: 03/02/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/28/22 10:38
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1610072-5					
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
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
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210146
Report Date: 03/02/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/28/22 10:38
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1610072-5					
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
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
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
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
1,2-Dibromoethane	ND		ug/l	2.0	0.65
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
1,2-Dibromo-3-chloropropane	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
1,2,4-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
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: 2921 WESTCHESTER AVENUE **Lab Number:** L2210146

Project Number: 2921 WESTCHESTER AVE **Report Date:** 03/02/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/28/22 10:38
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1610072-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	110		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210146
Report Date: 03/02/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG1609637-3 WG1609637-4								
Methylene chloride	110		110		70-130	0		20
1,1-Dichloroethane	120		120		70-130	0		20
Chloroform	110		120		70-130	9		20
Carbon tetrachloride	130		130		63-132	0		20
1,2-Dichloropropane	110		120		70-130	9		20
Dibromochloromethane	110		110		63-130	0		20
1,1,2-Trichloroethane	110		110		70-130	0		20
Tetrachloroethene	120		120		70-130	0		20
Chlorobenzene	110		110		75-130	0		20
Trichlorofluoromethane	130		140		62-150	7		20
1,2-Dichloroethane	110		120		70-130	9		20
1,1,1-Trichloroethane	120		130		67-130	8		20
Bromodichloromethane	120		120		67-130	0		20
trans-1,3-Dichloropropene	110		110		70-130	0		20
cis-1,3-Dichloropropene	100		100		70-130	0		20
Bromoform	99		110		54-136	11		20
1,1,2,2-Tetrachloroethane	100		110		67-130	10		20
Benzene	110		110		70-130	0		20
Toluene	110		120		70-130	9		20
Ethylbenzene	120		120		70-130	0		20
Chloromethane	110		110		64-130	0		20
Bromomethane	130		120		39-139	8		20
Vinyl chloride	120		120		55-140	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210146
Report Date: 03/02/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG1609637-3 WG1609637-4								
Chloroethane	120		120		55-138	0		20
1,1-Dichloroethene	120		120		61-145	0		20
trans-1,2-Dichloroethene	120		120		70-130	0		20
Trichloroethene	100		110		70-130	10		20
1,2-Dichlorobenzene	110		110		70-130	0		20
1,3-Dichlorobenzene	110		120		70-130	9		20
1,4-Dichlorobenzene	110		110		70-130	0		20
Methyl tert butyl ether	100		110		63-130	10		20
p/m-Xylene	115		120		70-130	4		20
o-Xylene	115		120		70-130	4		20
cis-1,2-Dichloroethene	110		110		70-130	0		20
Styrene	115		115		70-130	0		20
Dichlorodifluoromethane	110		110		36-147	0		20
Acetone	86		89		58-148	3		20
Carbon disulfide	120		120		51-130	0		20
2-Butanone	90		100		63-138	11		20
4-Methyl-2-pentanone	98		110		59-130	12		20
2-Hexanone	100		110		57-130	10		20
1,2-Dibromoethane	100		100		70-130	0		20
n-Butylbenzene	120		120		53-136	0		20
sec-Butylbenzene	120		120		70-130	0		20
tert-Butylbenzene	120		120		70-130	0		20
1,2-Dibromo-3-chloropropane	89		94		41-144	5		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210146
Report Date: 03/02/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG1609637-3 WG1609637-4								
Isopropylbenzene	120		120		70-130	0		20
p-Isopropyltoluene	120		120		70-130	0		20
Naphthalene	98		110		70-130	12		20
n-Propylbenzene	120		120		69-130	0		20
1,2,4-Trichlorobenzene	110		110		70-130	0		20
1,3,5-Trimethylbenzene	120		120		64-130	0		20
1,2,4-Trimethylbenzene	120		120		70-130	0		20
Methyl Acetate	97		100		70-130	3		20
Cyclohexane	130		130		70-130	0		20
Freon-113	130		130		70-130	0		20
Methyl cyclohexane	120		120		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	107		110		70-130
Toluene-d8	103		105		70-130
4-Bromofluorobenzene	106		106		70-130
Dibromofluoromethane	102		104		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210146
Report Date: 03/02/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1610072-3 WG1610072-4								
Methylene chloride	99		97		70-130	2		20
1,1-Dichloroethane	100		99		70-130	1		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	120		120		63-132	0		20
1,2-Dichloropropane	100		98		70-130	2		20
Dibromochloromethane	100		100		63-130	0		20
1,1,2-Trichloroethane	92		95		70-130	3		20
Tetrachloroethene	110		110		70-130	0		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	100		96		62-150	4		20
1,2-Dichloroethane	110		110		70-130	0		20
1,1,1-Trichloroethane	110		110		67-130	0		20
Bromodichloromethane	100		100		67-130	0		20
trans-1,3-Dichloropropene	98		98		70-130	0		20
cis-1,3-Dichloropropene	100		100		70-130	0		20
Bromoform	97		96		54-136	1		20
1,1,2,2-Tetrachloroethane	86		91		67-130	6		20
Benzene	110		100		70-130	10		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	84		82		64-130	2		20
Bromomethane	64		60		39-139	6		20
Vinyl chloride	87		89		55-140	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210146
Report Date: 03/02/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1610072-3 WG1610072-4								
Chloroethane	110		110		55-138	0		20
1,1-Dichloroethene	100		99		61-145	1		20
trans-1,2-Dichloroethene	110		100		70-130	10		20
Trichloroethene	120		110		70-130	9		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	91		91		63-130	0		20
p/m-Xylene	110		110		70-130	0		20
o-Xylene	105		105		70-130	0		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Styrene	105		100		70-130	5		20
Dichlorodifluoromethane	83		79		36-147	5		20
Acetone	88		89		58-148	1		20
Carbon disulfide	98		97		51-130	1		20
2-Butanone	80		92		63-138	14		20
4-Methyl-2-pentanone	82		90		59-130	9		20
2-Hexanone	82		87		57-130	6		20
1,2-Dibromoethane	100		99		70-130	1		20
n-Butylbenzene	99		98		53-136	1		20
sec-Butylbenzene	100		100		70-130	0		20
tert-Butylbenzene	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	91		97		41-144	6		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210146
Report Date: 03/02/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1610072-3 WG1610072-4								
Isopropylbenzene	99		99		70-130	0		20
p-Isopropyltoluene	100		99		70-130	1		20
Naphthalene	84		84		70-130	0		20
n-Propylbenzene	98		99		69-130	1		20
1,2,4-Trichlorobenzene	96		95		70-130	1		20
1,3,5-Trimethylbenzene	97		98		64-130	1		20
1,2,4-Trimethylbenzene	98		98		70-130	0		20
Methyl Acetate	110		110		70-130	0		20
Cyclohexane	100		100		70-130	0		20
Freon-113	100		98		70-130	2		20
Methyl cyclohexane	100		100		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	115		115		70-130
Toluene-d8	97		98		70-130
4-Bromofluorobenzene	88		91		70-130
Dibromofluoromethane	106		105		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210146

Report Date: 03/02/22

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): 01-03 QC Batch ID: WG1610072-6 WG1610072-7 QC Sample: L2210146-02 Client ID: MW-8												
Methylene chloride	ND	10	9.2	92		9.2	92		70-130	0		20
1,1-Dichloroethane	ND	10	9.6	96		10	100		70-130	4		20
Chloroform	ND	10	10	100		10	100		70-130	0		20
Carbon tetrachloride	ND	10	14	**140**	Q	15	**150**	Q	63-132	7		20
1,2-Dichloropropane	ND	10	8.9	89		9.2	92		70-130	3		20
Dibromochloromethane	ND	10	10	100		11	110		63-130	10		20
1,1,2-Trichloroethane	ND	10	8.7	87		9.6	96		70-130	10		20
Tetrachloroethene	89	10	100	110		91	**20**	Q	70-130	9		20
Chlorobenzene	ND	10	9.9	99		10	100		75-130	1		20
Trichlorofluoromethane	ND	10	11	110		12	120		62-150	9		20
1,2-Dichloroethane	ND	10	11	110		12	120		70-130	9		20
1,1,1-Trichloroethane	ND	10	12	120		12	120		67-130	0		20
Bromodichloromethane	ND	10	10	100		11	110		67-130	10		20
trans-1,3-Dichloropropene	ND	10	9.1	91		9.8	98		70-130	7		20
cis-1,3-Dichloropropene	ND	10	8.3	83		9.3	93		70-130	11		20
Bromoform	ND	10	9.0	90		9.7	97		54-136	7		20
1,1,2,2-Tetrachloroethane	ND	10	7.9	79		8.6	86		67-130	8		20
Benzene	ND	10	10	100		10	100		70-130	0		20
Toluene	ND	10	9.9	99		10	100		70-130	1		20
Ethylbenzene	ND	10	9.9	99		10	100		70-130	1		20
Chloromethane	ND	10	8.5	85		8.9	89		64-130	5		20
Bromomethane	ND	10	7.0	70		7.4	74		39-139	6		20
Vinyl chloride	0.34J	10	8.5	85		9.1	91		55-140	7		20

Matrix Spike Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210146

Report Date: 03/02/22

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): 01-03 QC Batch ID: WG1610072-6 WG1610072-7 QC Sample: L2210146-02 Client ID: MW-8												
Chloroethane	ND	10	12	120		12	120		55-138	0		20
1,1-Dichloroethene	ND	10	10	100		10	100		61-145	0		20
trans-1,2-Dichloroethene	ND	10	11	110		11	110		70-130	0		20
Trichloroethene	22	10	32	100		31	90		70-130	3		20
1,2-Dichlorobenzene	ND	10	9.9	99		10	100		70-130	1		20
1,3-Dichlorobenzene	ND	10	9.6	96		11	110		70-130	14		20
1,4-Dichlorobenzene	ND	10	9.5	95		10	100		70-130	5		20
Methyl tert butyl ether	ND	10	8.3	83		8.6	86		63-130	4		20
p/m-Xylene	ND	20	21	105		22	110		70-130	5		20
o-Xylene	ND	20	20	100		21	105		70-130	5		20
cis-1,2-Dichloroethene	130	10	130	**0**	Q	120	**0**	Q	70-130	8		20
Styrene	ND	20	19	95		20	100		70-130	5		20
Dichlorodifluoromethane	ND	10	8.9	89		9.4	94		36-147	5		20
Acetone	21	10	29	80		30	90		58-148	3		20
Carbon disulfide	ND	10	9.6	96		9.7	97		51-130	1		20
2-Butanone	ND	10	9.7	97		9.2	92		63-138	5		20
4-Methyl-2-pentanone	ND	10	8.1	81		9.0	90		59-130	11		20
2-Hexanone	ND	10	7.5	75		8.3	83		57-130	10		20
1,2-Dibromoethane	ND	10	9.4	94		10	100		70-130	6		20
n-Butylbenzene	ND	10	9.3	93		10	100		53-136	7		20
sec-Butylbenzene	ND	10	9.7	97		10	100		70-130	3		20
tert-Butylbenzene	ND	10	10	100		10	100		70-130	0		20
1,2-Dibromo-3-chloropropane	ND	10	8.5	85		9.1	91		41-144	7		20

Matrix Spike Analysis

Batch Quality Control

Project Name: 2921 WESTCHESTER AVENUE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210146

Report Date: 03/02/22

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): 01-03 QC Batch ID: WG1610072-6 WG1610072-7 QC Sample: L2210146-02 Client ID: MW-8												
Isopropylbenzene	ND	10	9.4	94		10	100		70-130	6		20
p-Isopropyltoluene	ND	10	9.5	95		10	100		70-130	5		20
Naphthalene	ND	10	7.1	71		8.4	84		70-130	17		20
n-Propylbenzene	ND	10	9.5	95		10	100		69-130	5		20
1,2,4-Trichlorobenzene	ND	10	8.7	87		9.6	96		70-130	10		20
1,3,5-Trimethylbenzene	ND	10	9.7	97		10	100		64-130	3		20
1,2,4-Trimethylbenzene	ND	10	9.5	95		10	100		70-130	5		20
Methyl Acetate	ND	10	9.6	96		10	100		70-130	4		20
Cyclohexane	ND	10	9.9J	99		11	110		70-130	11		20
Freon-113	ND	10	10	100		10	100		70-130	0		20
Methyl cyclohexane	ND	10	9.7J	97		10	100		70-130	3		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	129		126		70-130
4-Bromofluorobenzene	89		91		70-130
Dibromofluoromethane	111		111		70-130
Toluene-d8	99		99		70-130

Project Name: 2921 WESTCHESTER AVENUE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210146
Report Date: 03/02/22

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2210146-01A	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260(14)
L2210146-01B	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260(14)
L2210146-01C	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260(14)
L2210146-02A	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260(14)
L2210146-02A1	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260(14)
L2210146-02A2	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260(14)
L2210146-02B	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260(14)
L2210146-02B1	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260(14)
L2210146-02B2	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260(14)
L2210146-02C	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260(14)
L2210146-02C1	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260(14)
L2210146-02C2	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260(14)
L2210146-03A	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260(14)
L2210146-03B	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260(14)
L2210146-03C	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260(14)
L2210146-04A	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260(14)
L2210146-04B	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260(14)
L2210146-04C	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260(14)
L2210146-05A	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260(14)
L2210146-05B	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	2921 WESTCHESTER AVENUE	**Lab Number:**	L2210146
Project Number:	2921 WESTCHESTER AVE	**Report Date:**	03/02/22

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	2921 WESTCHESTER AVENUE	**Lab Number:**	L2210146
Project Number:	2921 WESTCHESTER AVE	**Report Date:**	03/02/22

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	2921 WESTCHESTER AVENUE	**Lab Number:**	L2210146
Project Number:	2921 WESTCHESTER AVE	**Report Date:**	03/02/22

Data Qualifiers

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	2921 WESTCHESTER AVENUE	**Lab Number:**	L2210146
Project Number:	2921 WESTCHESTER AVE	**Report Date:**	03/02/22

REFERENCES

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

LIMITATION OF LIABILITIES

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

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

Certification Information

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

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

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

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

Westborough Facility:

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

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

Mansfield Facility:

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

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

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

ALPHA

NEW YORK CHAIN OF CUSTODY

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FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 2/24/22

ALPHA Job #: L2210146

Client Information

Client: Tenen Environmental
Address: 121 W 27th Street
Suite 702, NY, NY 10001
Phone: 646-606-2332
~~Fax:~~
Email: acarroll@tenen-env.com

Project Information

Project Name: 2921 Westchester Avenue
Project Location: Bronx, NY
Project #
(Use Project name as Project #) ☒
Project Manager: A. Carroll
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

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

Regulatory Requirement

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

Billing Information

☒ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Cat B deliverables MS/MSD from MW-8

Please specify Metals or TAL.

ANALYSIS

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs	Sample Specific Comments	Total Bottle
10146 01	MW-7	2/24/22	10:45	Water	AP	X		3
02	MW-8	↓	8:10	↓	↓	X		3
03	MW-8_DUP	↓	8:40	↓	↓	X		3
04	Field Blank	↓	10:00	↓	↓	X		3
05	Trip Blank	↓		↓		X		2

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

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

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

Container Type: V
Preservative: B

Relinquished By:	Date/Time	Received By:	Date/Time
HPlay	2/24/22 1733	USMA (bad)	2/24/22 17:33
MSMR (bad)	2/24/22 19:15	Paul Mazzella	2/24/22 1915
Paul Mazzella	2/24/22 2335	MWa	2/24/22 2335

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

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

ANALYTICAL REPORT

Lab Number:	L2210179
Client:	Tenen Environmental, LLC 121 West 27th Street Suite 702 New York City, NY 10001
ATTN:	Alana Carroll
Phone:	(646) 606-2332
Project Name:	2921 WESTCHESTER AVE
Project Number:	2921 WESTCHESTER AVE
Report Date:	03/14/22

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

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

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2210179-01	TI-SS-1	SOIL_VAPOR	BRONX, NY	02/24/22 16:56	02/24/22
L2210179-02	TI-IA-1	AIR	BRONX, NY	02/24/22 16:58	02/24/22
L2210179-03	TI-SS-2	SOIL_VAPOR	BRONX, NY	02/24/22 16:53	02/24/22
L2210179-04	TI-IA-2	AIR	BRONX, NY	02/24/22 16:54	02/24/22
L2210179-05	TI-SS-3	SOIL_VAPOR	BRONX, NY	02/24/22 17:00	02/24/22
L2210179-06	TI-IA-3	AIR	BRONX, NY	02/24/22 17:01	02/24/22
L2210179-07	TI-SS-4	SOIL_VAPOR	BRONX, NY	02/24/22 17:02	02/24/22
L2210179-08	TI-IA-4	AIR	BRONX, NY	02/24/22 17:03	02/24/22
L2210179-09	TI-SS-5	SOIL_VAPOR	BRONX, NY	02/24/22 17:25	02/24/22
L2210179-10	TI-IA-5	AIR	BRONX, NY	02/24/22 17:26	02/24/22
L2210179-11	TI-SS-6	SOIL_VAPOR	BRONX, NY	02/24/22 17:19	02/24/22
L2210179-12	TI-IA-6	AIR	BRONX, NY	02/24/22 17:21	02/24/22
L2210179-13	AA-3	AIR	BRONX, NY	02/24/22 17:09	02/24/22

Project Name:	2921 WESTCHESTER AVE	**Lab Number:**	L2210179
Project Number:	2921 WESTCHESTER AVE	**Report Date:**	03/14/22

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	2921 WESTCHESTER AVE	**Lab Number:**	L2210179
Project Number:	2921 WESTCHESTER AVE	**Report Date:**	03/14/22

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on February 24, 2022. The canister certification results are provided as an addendum.

L2210179-02D, -04D, -08D, -10D, and -12D: The samples have elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the samples.

L2210179-02,04,08,10,12: The sample was re-analyzed on dilution in order to quantitate the results within the calibration range. The result(s) should be considered estimated, and are qualified with an E flag, for any compound(s) that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound(s) that exceeded the calibration range.

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

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative

Date: 03/14/22

AIR

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

SAMPLE RESULTS

Lab ID: L2210179-01
Client ID: TI-SS-1
Sample Location: BRONX, NY

Date Collected: 02/24/22 16:56
Date Received: 02/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 03/13/22 01:07
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.522	0.200	--	2.58	0.989	--		1
Chloromethane	0.367	0.200	--	0.758	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	14.0	5.00	--	26.4	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.71	1.00	--	8.81	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	1.32	0.500	--	3.24	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	2.14	0.500	--	6.49	1.52	--		1
Methylene chloride	4.23	0.500	--	14.7	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	4.03	0.500	--	11.9	1.47	--		1
cis-1,2-Dichloroethene	1.71	0.200	--	6.78	0.793	--		1

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

SAMPLE RESULTS

Lab ID: L2210179-01
Client ID: TI-SS-1
Sample Location: BRONX, NY

Date Collected: 02/24/22 16:56
Date Received: 02/24/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	3.34	0.200	--	16.3	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.300	0.200	--	1.06	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.307	0.200	--	0.981	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	0.902	0.200	--	4.85	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.467	0.200	--	1.91	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	0.830	0.500	--	3.40	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	3.62	0.200	--	13.6	0.754	--		1
2-Hexanone	3.00	0.200	--	12.3	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	6.10	0.200	--	41.4	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.402	0.200	--	1.75	0.869	--		1

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

SAMPLE RESULTS

Lab ID: L2210179-01
Client ID: TI-SS-1
Sample Location: BRONX, NY

Date Collected: 02/24/22 16:56
Date Received: 02/24/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	1.60	0.400	--	6.95	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.635	0.200	--	2.76	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.505	0.200	--	2.48	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	97		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	100		60-140

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

SAMPLE RESULTS

Lab ID: L2210179-02
Client ID: TI-IA-1
Sample Location: BRONX, NY

Date Collected: 02/24/22 16:58
Date Received: 02/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/12/22 23:48
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.504	0.200	--	2.49	0.989	--		1
Chloromethane	0.532	0.200	--	1.10	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	71.4	5.00	--	135	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	8.17	1.00	--	19.4	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	9.94	0.500	--	24.4	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	1370	0.500	--	4760	1.74	--	E	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	0.611	0.200	--	2.98	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

SAMPLE RESULTS

Lab ID: L2210179-02
Client ID: TI-IA-1
Sample Location: BRONX, NY

Date Collected: 02/24/22 16:58
Date Received: 02/24/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	6.09	0.200	--	21.5	0.705	--		1
Benzene	0.539	0.200	--	1.72	0.639	--		1
Cyclohexane	0.228	0.200	--	0.785	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	0.245	0.200	--	1.14	0.934	--		1
Heptane	0.364	0.200	--	1.49	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	4.99	0.200	--	18.8	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	0.483	0.400	--	2.10	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

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

SAMPLE RESULTS

Lab ID: L2210179-02
Client ID: TI-IA-1
Sample Location: BRONX, NY

Date Collected: 02/24/22 16:58
Date Received: 02/24/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-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	98		60-140
Bromochloromethane	102		60-140
chlorobenzene-d5	97		60-140

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

SAMPLE RESULTS

Lab ID: L2210179-02
Client ID: TI-IA-1
Sample Location: BRONX, NY

Date Collected: 02/24/22 16:58
Date Received: 02/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/12/22 23:48
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	0.063	0.020	--	0.250	0.079	--		1
cis-1,2-Dichloroethene	0.317	0.020	--	1.26	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.085	0.020	--	0.535	0.126	--		1
Trichloroethene	0.157	0.020	--	0.844	0.107	--		1
Tetrachloroethene	1.12	0.020	--	7.59	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	99		60-140
bromochloromethane	104		60-140
chlorobenzene-d5	98		60-140

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE
Lab Number: L2210179
Report Date: 03/14/22

SAMPLE RESULTS

Lab ID: L2210179-02 D
Client ID: TI-IA-1
Sample Location: BRONX, NY

Date Collected: 02/24/22 16:58
Date Received: 02/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/13/22 21:08
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	1590	24.6	--	5520	85.5	--		49.12

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	90		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	99		60-140

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

SAMPLE RESULTS

Lab ID: L2210179-03
Client ID: TI-SS-2
Sample Location: BRONX, NY

Date Collected: 02/24/22 16:53
Date Received: 02/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 03/13/22 01:45
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.518	0.200	--	2.56	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	6.15	5.00	--	11.6	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.89	1.00	--	4.49	2.38	--		1
Trichlorofluoromethane	0.221	0.200	--	1.24	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	0.927	0.500	--	3.22	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	4.34	0.500	--	12.8	1.47	--		1
cis-1,2-Dichloroethene	0.783	0.200	--	3.10	0.793	--		1

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

SAMPLE RESULTS

Lab ID: L2210179-03
Client ID: TI-SS-2
Sample Location: BRONX, NY

Date Collected: 02/24/22 16:53
Date Received: 02/24/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	1.65	0.200	--	8.06	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	0.608	0.200	--	3.27	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.288	0.200	--	1.18	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	3.50	0.200	--	13.2	0.754	--		1
2-Hexanone	1.64	0.200	--	6.72	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	6.46	0.200	--	43.8	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.286	0.200	--	1.24	0.869	--		1

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

SAMPLE RESULTS

Lab ID: L2210179-03
Client ID: TI-SS-2
Sample Location: BRONX, NY

Date Collected: 02/24/22 16:53
Date Received: 02/24/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	1.26	0.400	--	5.47	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.508	0.200	--	2.21	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.567	0.200	--	2.79	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	84		60-140
chlorobenzene-d5	91		60-140

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

SAMPLE RESULTS

Lab ID: L2210179-04
Client ID: TI-IA-2
Sample Location: BRONX, NY

Date Collected: 02/24/22 16:54
Date Received: 02/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/12/22 21:53
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.484	0.200	--	2.39	0.989	--		1
Chloromethane	0.521	0.200	--	1.08	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	79.3	5.00	--	149	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	7.10	1.00	--	16.9	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	10.3	0.500	--	25.3	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	1040	0.500	--	3610	1.74	--	E	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	0.595	0.200	--	2.91	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

SAMPLE RESULTS

Lab ID: L2210179-04
Client ID: TI-IA-2
Sample Location: BRONX, NY

Date Collected: 02/24/22 16:54
Date Received: 02/24/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	3.95	0.200	--	13.9	0.705	--		1
Benzene	0.502	0.200	--	1.60	0.639	--		1
Cyclohexane	0.214	0.200	--	0.737	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	0.240	0.200	--	1.12	0.934	--		1
Heptane	0.325	0.200	--	1.33	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	3.80	0.200	--	14.3	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	0.471	0.400	--	2.05	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

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

SAMPLE RESULTS

Lab ID: L2210179-04
Client ID: TI-IA-2
Sample Location: BRONX, NY

Date Collected: 02/24/22 16:54
Date Received: 02/24/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-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	101		60-140
Bromochloromethane	104		60-140
chlorobenzene-d5	100		60-140

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

SAMPLE RESULTS

Lab ID: L2210179-04
Client ID: TI-IA-2
Sample Location: BRONX, NY

Date Collected: 02/24/22 16:54
Date Received: 02/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/12/22 21:53
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	0.043	0.020	--	0.170	0.079	--		1
cis-1,2-Dichloroethene	0.320	0.020	--	1.27	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.078	0.020	--	0.491	0.126	--		1
Trichloroethene	0.157	0.020	--	0.844	0.107	--		1
Tetrachloroethene	1.10	0.020	--	7.46	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	101		60-140
bromochloromethane	105		60-140
chlorobenzene-d5	101		60-140

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

SAMPLE RESULTS

Lab ID: L2210179-04 D
Client ID: TI-IA-2
Sample Location: BRONX, NY

Date Collected: 02/24/22 16:54
Date Received: 02/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/13/22 21:45
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	2170	17.3	--	7540	60.1	--		34.63

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	90		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	102		60-140

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

SAMPLE RESULTS

Lab ID: L2210179-05
Client ID: TI-SS-3
Sample Location: BRONX, NY

Date Collected: 02/24/22 17:00
Date Received: 02/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 03/13/22 07:11
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.507	0.200	--	2.51	0.989	--		1
Chloromethane	0.289	0.200	--	0.597	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	12.2	5.00	--	23.0	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	5.67	1.00	--	13.5	2.38	--		1
Trichlorofluoromethane	0.233	0.200	--	1.31	1.12	--		1
Isopropanol	0.938	0.500	--	2.31	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	11.6	0.500	--	40.3	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.459	0.200	--	1.43	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	6.26	0.500	--	18.5	1.47	--		1
cis-1,2-Dichloroethene	0.450	0.200	--	1.78	0.793	--		1

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

SAMPLE RESULTS

Lab ID: L2210179-05
Client ID: TI-SS-3
Sample Location: BRONX, NY

Date Collected: 02/24/22 17:00
Date Received: 02/24/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	1.25	0.200	--	6.10	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	1.15	0.200	--	4.05	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.231	0.200	--	0.738	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.996	0.200	--	3.43	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	0.309	0.200	--	1.66	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	3.25	0.200	--	13.3	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	0.753	0.500	--	3.09	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	0.665	0.200	--	2.51	0.754	--		1
2-Hexanone	0.325	0.200	--	1.33	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	4.01	0.200	--	27.2	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

SAMPLE RESULTS

Lab ID: L2210179-05
Client ID: TI-SS-3
Sample Location: BRONX, NY

Date Collected: 02/24/22 17:00
Date Received: 02/24/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	0.551	0.400	--	2.39	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.234	0.200	--	1.02	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.296	0.200	--	1.46	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	82		60-140
chlorobenzene-d5	87		60-140

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

SAMPLE RESULTS

Lab ID: L2210179-06
Client ID: TI-IA-3
Sample Location: BRONX, NY

Date Collected: 02/24/22 17:01
Date Received: 02/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/12/22 21:14
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.478	0.200	--	2.36	0.989	--		1
Chloromethane	0.446	0.200	--	0.921	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	7.32	5.00	--	13.8	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.24	1.00	--	5.32	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	4.04	0.500	--	9.93	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	29.0	0.500	--	101	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	2.12	0.200	--	10.4	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

SAMPLE RESULTS

Lab ID: L2210179-06
Client ID: TI-IA-3
Sample Location: BRONX, NY

Date Collected: 02/24/22 17:01
Date Received: 02/24/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.203	0.200	--	0.715	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	0.411	0.200	--	1.55	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

SAMPLE RESULTS

Lab ID: L2210179-06
Client ID: TI-IA-3
Sample Location: BRONX, NY

Date Collected: 02/24/22 17:01
Date Received: 02/24/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-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	103		60-140
Bromochloromethane	105		60-140
chlorobenzene-d5	102		60-140

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

SAMPLE RESULTS

Lab ID: L2210179-06
Client ID: TI-IA-3
Sample Location: BRONX, NY

Date Collected: 02/24/22 17:01
Date Received: 02/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/12/22 21:14
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	0.030	0.020	--	0.077	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	1.16	0.020	--	4.60	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.076	0.020	--	0.478	0.126	--		1
Trichloroethene	0.531	0.020	--	2.85	0.107	--		1
Tetrachloroethene	3.84	0.020	--	26.0	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	104		60-140
bromochloromethane	106		60-140
chlorobenzene-d5	104		60-140

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

SAMPLE RESULTS

Lab ID: L2210179-07
Client ID: TI-SS-4
Sample Location: BRONX, NY

Date Collected: 02/24/22 17:02
Date Received: 02/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 03/13/22 07:50
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.514	0.200	--	2.54	0.989	--		1
Chloromethane	0.532	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	0.229	0.200	--	0.507	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	89.7	5.00	--	169	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	126	1.00	--	299	2.38	--		1
Trichlorofluoromethane	0.244	0.200	--	1.37	1.12	--		1
Isopropanol	13.0	0.500	--	32.0	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	4.33	0.500	--	13.1	1.52	--		1
Methylene chloride	94.8	0.500	--	329	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.766	0.200	--	2.39	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	19.2	0.500	--	56.6	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

SAMPLE RESULTS

Lab ID: L2210179-07
Client ID: TI-SS-4
Sample Location: BRONX, NY

Date Collected: 02/24/22 17:02
Date Received: 02/24/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	0.247	0.200	--	1.21	0.977	--		1
Tetrahydrofuran	0.516	0.500	--	1.52	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	4.69	0.200	--	16.5	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	8.13	0.200	--	28.0	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	0.430	0.200	--	1.55	0.721	--		1
Trichloroethene	0.538	0.200	--	2.89	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	21.8	0.200	--	89.3	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	10.7	0.200	--	40.3	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	1.57	0.200	--	10.6	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.622	0.200	--	2.70	0.869	--		1

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

SAMPLE RESULTS

Lab ID: L2210179-07
Client ID: TI-SS-4
Sample Location: BRONX, NY

Date Collected: 02/24/22 17:02
Date Received: 02/24/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	1.70	0.400	--	7.38	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.266	0.200	--	1.13	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.771	0.200	--	3.35	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.582	0.200	--	2.86	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	89		60-140
Bromochloromethane	78		60-140
chlorobenzene-d5	103		60-140

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

SAMPLE RESULTS

Lab ID: L2210179-08
Client ID: TI-IA-4
Sample Location: BRONX, NY

Date Collected: 02/24/22 17:03
Date Received: 02/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/12/22 23:10
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.499	0.200	--	2.47	0.989	--		1
Chloromethane	0.558	0.200	--	1.15	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	0.235	0.200	--	0.520	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	69.6	5.00	--	131	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.70	1.00	--	4.04	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	16.9	0.500	--	41.5	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	560	0.500	--	1950	1.74	--	E	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	0.251	0.200	--	1.23	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

SAMPLE RESULTS

Lab ID: L2210179-08
Client ID: TI-IA-4
Sample Location: BRONX, NY

Date Collected: 02/24/22 17:03
Date Received: 02/24/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	2.33	0.200	--	8.21	0.705	--		1
Benzene	0.758	0.200	--	2.42	0.639	--		1
Cyclohexane	0.312	0.200	--	1.07	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	0.366	0.200	--	1.71	0.934	--		1
Heptane	0.443	0.200	--	1.82	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	2.86	0.200	--	10.8	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.237	0.200	--	1.03	0.869	--		1
p/m-Xylene	0.764	0.400	--	3.32	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.270	0.200	--	1.17	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: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

SAMPLE RESULTS

Lab ID: L2210179-08
Client ID: TI-IA-4
Sample Location: BRONX, NY

Date Collected: 02/24/22 17:03
Date Received: 02/24/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	0.242	0.200	--	1.19	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	99		60-140
Bromochloromethane	103		60-140
chlorobenzene-d5	98		60-140

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

SAMPLE RESULTS

Lab ID: L2210179-08
Client ID: TI-IA-4
Sample Location: BRONX, NY

Date Collected: 02/24/22 17:03
Date Received: 02/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/12/22 23:10
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	0.112	0.020	--	0.444	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.085	0.020	--	0.535	0.126	--		1
Trichloroethene	0.062	0.020	--	0.333	0.107	--		1
Tetrachloroethene	0.427	0.020	--	2.90	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	99		60-140
bromochloromethane	104		60-140
chlorobenzene-d5	99		60-140

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

SAMPLE RESULTS

Lab ID: L2210179-08 D
Client ID: TI-IA-4
Sample Location: BRONX, NY

Date Collected: 02/24/22 17:03
Date Received: 02/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/13/22 22:21
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	475	8.34	--	1650	29.0	--		16.67

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	87		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	97		60-140

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

SAMPLE RESULTS

Lab ID: L2210179-09
Client ID: TI-SS-5
Sample Location: BRONX, NY

Date Collected: 02/24/22 17:25
Date Received: 02/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 03/13/22 19:18
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.496	0.200	--	2.45	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	6.04	5.00	--	11.4	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.73	1.00	--	4.11	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	0.523	0.500	--	1.59	1.52	--		1
Methylene chloride	19.8	0.500	--	68.8	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	2.41	0.500	--	7.11	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

SAMPLE RESULTS

Lab ID: L2210179-09
Client ID: TI-SS-5
Sample Location: BRONX, NY

Date Collected: 02/24/22 17:25
Date Received: 02/24/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.206	0.200	--	0.726	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	0.218	0.200	--	0.750	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.258	0.200	--	1.06	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.19	0.200	--	4.48	0.754	--		1
2-Hexanone	1.48	0.200	--	6.07	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	4.15	0.200	--	28.1	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.224	0.200	--	0.973	0.869	--		1

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

SAMPLE RESULTS

Lab ID: L2210179-09
Client ID: TI-SS-5
Sample Location: BRONX, NY

Date Collected: 02/24/22 17:25
Date Received: 02/24/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	0.916	0.400	--	3.98	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.399	0.200	--	1.73	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.390	0.200	--	1.92	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	98		60-140
chlorobenzene-d5	105		60-140

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

SAMPLE RESULTS

Lab ID: L2210179-10
Client ID: TI-IA-5
Sample Location: BRONX, NY

Date Collected: 02/24/22 17:26
Date Received: 02/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/12/22 20:36
Analyst: TS

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.494	0.200	--	2.44	0.989	--		1
Chloromethane	0.560	0.200	--	1.16	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	0.251	0.200	--	0.555	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	56.5	5.00	--	106	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.49	1.00	--	5.91	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	18.4	0.500	--	45.2	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	495	0.500	--	1720	1.74	--	E	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	0.204	0.200	--	0.996	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

SAMPLE RESULTS

Lab ID: L2210179-10
Client ID: TI-IA-5
Sample Location: BRONX, NY

Date Collected: 02/24/22 17:26
Date Received: 02/24/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	2.14	0.200	--	7.54	0.705	--		1
Benzene	0.744	0.200	--	2.38	0.639	--		1
Cyclohexane	0.316	0.200	--	1.09	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	0.374	0.200	--	1.75	0.934	--		1
Heptane	0.429	0.200	--	1.76	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	2.52	0.200	--	9.50	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	0.227	0.200	--	0.986	0.869	--		1
p/m-Xylene	0.744	0.400	--	3.23	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.259	0.200	--	1.12	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: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

SAMPLE RESULTS

Lab ID: L2210179-10
Client ID: TI-IA-5
Sample Location: BRONX, NY

Date Collected: 02/24/22 17:26
Date Received: 02/24/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	0.232	0.200	--	1.14	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	100		60-140
Bromochloromethane	102		60-140
chlorobenzene-d5	99		60-140

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

SAMPLE RESULTS

Lab ID: L2210179-10
Client ID: TI-IA-5
Sample Location: BRONX, NY

Date Collected: 02/24/22 17:26
Date Received: 02/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/12/22 20:36
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	0.086	0.020	--	0.341	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.075	0.020	--	0.472	0.126	--		1
Trichloroethene	0.051	0.020	--	0.274	0.107	--		1
Tetrachloroethene	0.338	0.020	--	2.29	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	101		60-140
bromochloromethane	104		60-140
chlorobenzene-d5	100		60-140

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

SAMPLE RESULTS

Lab ID: L2210179-10 D
Client ID: TI-IA-5
Sample Location: BRONX, NY

Date Collected: 02/24/22 17:26
Date Received: 02/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/13/22 22:58
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	443	6.25	--	1540	21.7	--		12.5

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	86		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	97		60-140

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

SAMPLE RESULTS

Lab ID: L2210179-11
Client ID: TI-SS-6
Sample Location: BRONX, NY

Date Collected: 02/24/22 17:19
Date Received: 02/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 03/13/22 08:28
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.497	0.200	--	2.46	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	0.231	0.200	--	0.511	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	8.26	5.00	--	15.6	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	0.239	0.200	--	1.34	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	0.553	0.500	--	1.68	1.52	--		1
Methylene chloride	0.570	0.500	--	1.98	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	1.91	0.500	--	5.63	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

SAMPLE RESULTS

Lab ID: L2210179-11
Client ID: TI-SS-6
Sample Location: BRONX, NY

Date Collected: 02/24/22 17:19
Date Received: 02/24/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	0.356	0.200	--	1.74	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.365	0.200	--	1.29	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.286	0.200	--	0.914	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	0.282	0.200	--	1.16	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.57	0.200	--	5.92	0.754	--		1
2-Hexanone	1.38	0.200	--	5.66	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	1.86	0.200	--	12.6	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.329	0.200	--	1.43	0.869	--		1

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

SAMPLE RESULTS

Lab ID: L2210179-11
Client ID: TI-SS-6
Sample Location: BRONX, NY

Date Collected: 02/24/22 17:19
Date Received: 02/24/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	1.41	0.400	--	6.12	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.547	0.200	--	2.38	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.540	0.200	--	2.65	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	79		60-140
chlorobenzene-d5	86		60-140

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

SAMPLE RESULTS

Lab ID: L2210179-12
Client ID: TI-IA-6
Sample Location: BRONX, NY

Date Collected: 02/24/22 17:21
Date Received: 02/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/12/22 19:57
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.491	0.200	--	2.43	0.989	--		1
Chloromethane	0.556	0.200	--	1.15	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	54.2	5.00	--	102	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.30	1.00	--	3.09	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	16.5	0.500	--	40.6	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	482	0.500	--	1670	1.74	--	E	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: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

SAMPLE RESULTS

Lab ID: L2210179-12
Client ID: TI-IA-6
Sample Location: BRONX, NY

Date Collected: 02/24/22 17:21
Date Received: 02/24/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	1.96	0.200	--	6.91	0.705	--		1
Benzene	0.705	0.200	--	2.25	0.639	--		1
Cyclohexane	0.268	0.200	--	0.922	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	0.318	0.200	--	1.49	0.934	--		1
Heptane	0.374	0.200	--	1.53	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	2.23	0.200	--	8.40	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	0.611	0.400	--	2.65	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.218	0.200	--	0.947	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: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

SAMPLE RESULTS

Lab ID: L2210179-12
Client ID: TI-IA-6
Sample Location: BRONX, NY

Date Collected: 02/24/22 17:21
Date Received: 02/24/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-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	102		60-140
Bromochloromethane	104		60-140
chlorobenzene-d5	101		60-140

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

SAMPLE RESULTS

Lab ID: L2210179-12
Client ID: TI-IA-6
Sample Location: BRONX, NY

Date Collected: 02/24/22 17:21
Date Received: 02/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/12/22 19:57
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	0.085	0.020	--	0.337	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.079	0.020	--	0.497	0.126	--		1
Trichloroethene	0.043	0.020	--	0.231	0.107	--		1
Tetrachloroethene	0.298	0.020	--	2.02	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	102		60-140
bromochloromethane	105		60-140
chlorobenzene-d5	102		60-140

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

SAMPLE RESULTS

Lab ID: L2210179-12 D
Client ID: TI-IA-6
Sample Location: BRONX, NY

Date Collected: 02/24/22 17:21
Date Received: 02/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/13/22 23:35
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	447	6.25	--	1550	21.7	--		12.5

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	87		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	99		60-140

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

SAMPLE RESULTS

Lab ID: L2210179-13
Client ID: AA-3
Sample Location: BRONX, NY

Date Collected: 02/24/22 17:09
Date Received: 02/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/12/22 19:18
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.490	0.200	--	2.42	0.989	--		1
Chloromethane	0.573	0.200	--	1.18	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	6.54	5.00	--	12.3	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	0.577	0.500	--	1.42	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: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

SAMPLE RESULTS

Lab ID: L2210179-13
Client ID: AA-3
Sample Location: BRONX, NY

Date Collected: 02/24/22 17:09
Date Received: 02/24/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	0.233	0.200	--	0.744	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	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
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

SAMPLE RESULTS

Lab ID: L2210179-13
Client ID: AA-3
Sample Location: BRONX, NY

Date Collected: 02/24/22 17:09
Date Received: 02/24/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-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	102		60-140
Bromochloromethane	104		60-140
chlorobenzene-d5	101		60-140

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

SAMPLE RESULTS

Lab ID: L2210179-13
Client ID: AA-3
Sample Location: BRONX, NY

Date Collected: 02/24/22 17:09
Date Received: 02/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/12/22 19:18
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	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	0.075	0.020	--	0.472	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.023	0.020	--	0.156	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	102		60-140
bromochloromethane	106		60-140
chlorobenzene-d5	102		60-140

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE
Lab Number: L2210179
Report Date: 03/14/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 03/12/22 18:01

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-08,10-13 Batch: WG1614963-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 03/12/22 18:01

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-08,10-13 Batch: WG1614963-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 03/12/22 18:01

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-08,10-13 Batch: WG1614963-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 03/12/22 18:40

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 02,04,06,08,10,12-13 Batch: WG1614964-4								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 03/13/22 18:01

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 09 Batch: WG1615099-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 03/13/22 18:01

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 09 Batch: WG1615099-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 03/13/22 18:01

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 09 Batch: WG1615099-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 03/13/22 15:09

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 02,04,08,10,12 Batch: WG1615103-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 03/13/22 15:09

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 02,04,08,10,12 Batch: WG1615103-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 03/13/22 15:09

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 02,04,08,10,12 Batch: WG1615103-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-08,10-13 Batch: WG1614963-3								
Dichlorodifluoromethane	96		-		70-130	-		
Chloromethane	100		-		70-130	-		
Freon-114	100		-		70-130	-		
Vinyl chloride	90		-		70-130	-		
1,3-Butadiene	105		-		70-130	-		
Bromomethane	95		-		70-130	-		
Chloroethane	85		-		70-130	-		
Ethanol	125		-		40-160	-		
Vinyl bromide	85		-		70-130	-		
Acetone	98		-		40-160	-		
Trichlorofluoromethane	88		-		70-130	-		
Isopropanol	94		-		40-160	-		
1,1-Dichloroethene	91		-		70-130	-		
Tertiary butyl Alcohol	82		-		70-130	-		
Methylene chloride	100		-		70-130	-		
3-Chloropropene	100		-		70-130	-		
Carbon disulfide	91		-		70-130	-		
Freon-113	90		-		70-130	-		
trans-1,2-Dichloroethene	86		-		70-130	-		
1,1-Dichloroethane	87		-		70-130	-		
Methyl tert butyl ether	92		-		70-130	-		
2-Butanone	90		-		70-130	-		
cis-1,2-Dichloroethene	90		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE
Lab Number: L2210179
Report Date: 03/14/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-08,10-13 Batch: WG1614963-3								
Ethyl Acetate	97		-		70-130	-		
Chloroform	102		-		70-130	-		
Tetrahydrofuran	86		-		70-130	-		
1,2-Dichloroethane	85		-		70-130	-		
n-Hexane	104		-		70-130	-		
1,1,1-Trichloroethane	106		-		70-130	-		
Benzene	98		-		70-130	-		
Carbon tetrachloride	105		-		70-130	-		
Cyclohexane	105		-		70-130	-		
1,2-Dichloropropane	94		-		70-130	-		
Bromodichloromethane	110		-		70-130	-		
1,4-Dioxane	104		-		70-130	-		
Trichloroethene	104		-		70-130	-		
2,2,4-Trimethylpentane	104		-		70-130	-		
Heptane	101		-		70-130	-		
cis-1,3-Dichloropropene	109		-		70-130	-		
4-Methyl-2-pentanone	100		-		70-130	-		
trans-1,3-Dichloropropene	95		-		70-130	-		
1,1,2-Trichloroethane	98		-		70-130	-		
Toluene	93		-		70-130	-		
2-Hexanone	97		-		70-130	-		
Dibromochloromethane	102		-		70-130	-		
1,2-Dibromoethane	96		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE
Lab Number: L2210179
Report Date: 03/14/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-08,10-13 Batch: WG1614963-3								
Tetrachloroethene	101		-		70-130	-		
Chlorobenzene	100		-		70-130	-		
Ethylbenzene	96		-		70-130	-		
p/m-Xylene	97		-		70-130	-		
Bromoform	94		-		70-130	-		
Styrene	95		-		70-130	-		
1,1,2,2-Tetrachloroethane	108		-		70-130	-		
o-Xylene	98		-		70-130	-		
4-Ethyltoluene	93		-		70-130	-		
1,3,5-Trimethylbenzene	100		-		70-130	-		
1,2,4-Trimethylbenzene	98		-		70-130	-		
Benzyl chloride	94		-		70-130	-		
1,3-Dichlorobenzene	95		-		70-130	-		
1,4-Dichlorobenzene	94		-		70-130	-		
1,2-Dichlorobenzene	95		-		70-130	-		
1,2,4-Trichlorobenzene	102		-		70-130	-		
Hexachlorobutadiene	100		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 02,04,06,08,10,12-13 Batch: WG1614964-3								
Vinyl chloride	91		-		70-130	-		25
1,1-Dichloroethene	92		-		70-130	-		25
cis-1,2-Dichloroethene	92		-		70-130	-		25
1,1,1-Trichloroethane	103		-		70-130	-		25
Carbon tetrachloride	98		-		70-130	-		25
Trichloroethene	103		-		70-130	-		25
Tetrachloroethene	103		-		70-130	-		25

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE
Lab Number: L2210179
Report Date: 03/14/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 09 Batch: WG1615099-3								
Dichlorodifluoromethane	77		-		70-130	-		
Chloromethane	75		-		70-130	-		
Freon-114	76		-		70-130	-		
Vinyl chloride	77		-		70-130	-		
1,3-Butadiene	78		-		70-130	-		
Bromomethane	74		-		70-130	-		
Chloroethane	77		-		70-130	-		
Ethanol	107		-		40-160	-		
Vinyl bromide	76		-		70-130	-		
Acetone	94		-		40-160	-		
Trichlorofluoromethane	80		-		70-130	-		
Isopropanol	92		-		40-160	-		
1,1-Dichloroethene	88		-		70-130	-		
Tertiary butyl Alcohol	86		-		70-130	-		
Methylene chloride	108		-		70-130	-		
3-Chloropropene	88		-		70-130	-		
Carbon disulfide	98		-		70-130	-		
Freon-113	87		-		70-130	-		
trans-1,2-Dichloroethene	70		-		70-130	-		
1,1-Dichloroethane	77		-		70-130	-		
Methyl tert butyl ether	72		-		70-130	-		
2-Butanone	77		-		70-130	-		
cis-1,2-Dichloroethene	75		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 09 Batch: WG1615099-3								
Ethyl Acetate	77		-		70-130	-		
Chloroform	81		-		70-130	-		
Tetrahydrofuran	72		-		70-130	-		
1,2-Dichloroethane	76		-		70-130	-		
n-Hexane	85		-		70-130	-		
1,1,1-Trichloroethane	86		-		70-130	-		
Benzene	80		-		70-130	-		
Carbon tetrachloride	92		-		70-130	-		
Cyclohexane	82		-		70-130	-		
1,2-Dichloropropane	83		-		70-130	-		
Bromodichloromethane	92		-		70-130	-		
1,4-Dioxane	84		-		70-130	-		
Trichloroethene	83		-		70-130	-		
2,2,4-Trimethylpentane	86		-		70-130	-		
Heptane	86		-		70-130	-		
cis-1,3-Dichloropropene	89		-		70-130	-		
4-Methyl-2-pentanone	87		-		70-130	-		
trans-1,3-Dichloropropene	79		-		70-130	-		
1,1,2-Trichloroethane	85		-		70-130	-		
Toluene	75		-		70-130	-		
2-Hexanone	83		-		70-130	-		
Dibromochloromethane	91		-		70-130	-		
1,2-Dibromoethane	84		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 09 Batch: WG1615099-3								
Tetrachloroethene	81		-		70-130	-		
Chlorobenzene	84		-		70-130	-		
Ethylbenzene	80		-		70-130	-		
p/m-Xylene	82		-		70-130	-		
Bromoform	93		-		70-130	-		
Styrene	81		-		70-130	-		
1,1,2,2-Tetrachloroethane	87		-		70-130	-		
o-Xylene	84		-		70-130	-		
4-Ethyltoluene	81		-		70-130	-		
1,3,5-Trimethylbenzene	83		-		70-130	-		
1,2,4-Trimethylbenzene	89		-		70-130	-		
Benzyl chloride	92		-		70-130	-		
1,3-Dichlorobenzene	84		-		70-130	-		
1,4-Dichlorobenzene	84		-		70-130	-		
1,2-Dichlorobenzene	83		-		70-130	-		
1,2,4-Trichlorobenzene	83		-		70-130	-		
Hexachlorobutadiene	82		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 02,04,08,10,12 Batch: WG1615103-3								
Dichlorodifluoromethane	71		-		70-130	-		
Chloromethane	82		-		70-130	-		
Freon-114	75		-		70-130	-		
Vinyl chloride	74		-		70-130	-		
1,3-Butadiene	79		-		70-130	-		
Bromomethane	81		-		70-130	-		
Chloroethane	75		-		70-130	-		
Ethanol	64		-		40-160	-		
Vinyl bromide	84		-		70-130	-		
Acetone	118		-		40-160	-		
Trichlorofluoromethane	110		-		70-130	-		
Isopropanol	104		-		40-160	-		
1,1-Dichloroethene	106		-		70-130	-		
Tertiary butyl Alcohol	95		-		70-130	-		
Methylene chloride	96		-		70-130	-		
3-Chloropropene	121		-		70-130	-		
Carbon disulfide	86		-		70-130	-		
Freon-113	108		-		70-130	-		
trans-1,2-Dichloroethene	101		-		70-130	-		
1,1-Dichloroethane	105		-		70-130	-		
Methyl tert butyl ether	96		-		70-130	-		
2-Butanone	109		-		70-130	-		
cis-1,2-Dichloroethene	107		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 02,04,08,10,12 Batch: WG1615103-3								
Ethyl Acetate	106		-		70-130	-		
Chloroform	100		-		70-130	-		
Tetrahydrofuran	106		-		70-130	-		
1,2-Dichloroethane	114		-		70-130	-		
n-Hexane	92		-		70-130	-		
1,1,1-Trichloroethane	106		-		70-130	-		
Benzene	78		-		70-130	-		
Carbon tetrachloride	105		-		70-130	-		
Cyclohexane	92		-		70-130	-		
1,2-Dichloropropane	97		-		70-130	-		
Bromodichloromethane	94		-		70-130	-		
1,4-Dioxane	91		-		70-130	-		
Trichloroethene	98		-		70-130	-		
2,2,4-Trimethylpentane	94		-		70-130	-		
Heptane	102		-		70-130	-		
cis-1,3-Dichloropropene	92		-		70-130	-		
4-Methyl-2-pentanone	100		-		70-130	-		
trans-1,3-Dichloropropene	81		-		70-130	-		
1,1,2-Trichloroethane	102		-		70-130	-		
Toluene	95		-		70-130	-		
2-Hexanone	103		-		70-130	-		
Dibromochloromethane	110		-		70-130	-		
1,2-Dibromoethane	104		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE
Lab Number: L2210179
Report Date: 03/14/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 02,04,08,10,12 Batch: WG1615103-3								
Tetrachloroethene	100		-		70-130	-		
Chlorobenzene	96		-		70-130	-		
Ethylbenzene	102		-		70-130	-		
p/m-Xylene	102		-		70-130	-		
Bromoform	111		-		70-130	-		
Styrene	98		-		70-130	-		
1,1,2,2-Tetrachloroethane	95		-		70-130	-		
o-Xylene	102		-		70-130	-		
4-Ethyltoluene	99		-		70-130	-		
1,3,5-Trimethylbenzene	98		-		70-130	-		
1,2,4-Trimethylbenzene	97		-		70-130	-		
Benzyl chloride	106		-		70-130	-		
1,3-Dichlorobenzene	96		-		70-130	-		
1,4-Dichlorobenzene	100		-		70-130	-		
1,2-Dichlorobenzene	96		-		70-130	-		
1,2,4-Trichlorobenzene	101		-		70-130	-		
Hexachlorobutadiene	89		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-08,10-13 QC Batch ID: WG1614963-5 QC Sample: L2210179-04 Client ID: TI-IA-2						
Dichlorodifluoromethane	0.484	0.482	ppbV	0		25
Chloromethane	0.521	0.532	ppbV	2		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	79.3	79.7	ppbV	1		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	7.10	6.96	ppbV	2		25
Trichlorofluoromethane	ND	ND	ppbV	NC		25
Isopropanol	10.3	10.5	ppbV	2		25
Tertiary butyl Alcohol	ND	ND	ppbV	NC		25
Methylene chloride	1040E	1060E	ppbV	2		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: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-08,10-13 QC Batch ID: WG1614963-5 QC Sample: L2210179-04 Client ID: TI-IA-2						
Chloroform	0.595	0.596	ppbV	0		25
Tetrahydrofuran	ND	ND	ppbV	NC		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
n-Hexane	3.95	3.99	ppbV	1		25
Benzene	0.502	0.506	ppbV	1		25
Cyclohexane	0.214	0.216	ppbV	1		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	0.240	0.241	ppbV	0		25
Heptane	0.325	0.320	ppbV	2		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	3.80	3.90	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: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-08,10-13 QC Batch ID: WG1614963-5 QC Sample: L2210179-04 Client ID: TI-IA-2						
p/m-Xylene	0.471	0.477	ppbV	1		25
Bromoform	ND	ND	ppbV	NC		25
Styrene	ND	ND	ppbV	NC		25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC		25
o-Xylene	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

Lab Duplicate Analysis
Batch Quality Control

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 02,04,06,08,10,12-13 QC Batch ID: WG1614964-5 QC Sample: L2210179-04 Client ID: TI-IA-2						
Vinyl chloride	ND	ND	ppbV	NC		25
1,1-Dichloroethene	0.043	0.042	ppbV	2		25
cis-1,2-Dichloroethene	0.320	0.317	ppbV	1		25
1,1,1-Trichloroethane	ND	ND	ppbV	NC		25
Carbon tetrachloride	0.078	0.082	ppbV	5		25
Trichloroethene	0.157	0.170	ppbV	8		25
Tetrachloroethene	1.10	1.12	ppbV	2		25

Project Name: 2921 WESTCHESTER AVE

Lab Number: L2210179

Project Number: 2921 WESTCHESTER AVE

Report Date: 03/14/22

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2210179-01	TI-SS-1	01449	Flow 4	02/24/22	378793		-	-	-	Pass	10.0	9.9	1
L2210179-01	TI-SS-1	2257	6.0L Can	02/24/22	378793	L2209233-04	Pass	-29.3	-5.7	-	-	-	-
L2210179-02	TI-IA-1	01583	Flow 4	02/24/22	378793		-	-	-	Pass	10.0	10.1	1
L2210179-02	TI-IA-1	2970	6.0L Can	02/24/22	378793	L2208348-08	Pass	-28.9	-5.9	-	-	-	-
L2210179-03	TI-SS-2	0471	Flow 5	02/24/22	378793		-	-	-	Pass	10.0	10.4	4
L2210179-03	TI-SS-2	1943	6.0L Can	02/24/22	378793	L2209233-03	Pass	-29.2	-5.0	-	-	-	-
L2210179-04	TI-IA-2	0724	Flow 4	02/24/22	378793		-	-	-	Pass	10.0	10.3	3
L2210179-04	TI-IA-2	1812	6.0L Can	02/24/22	378793	L2208348-03	Pass	-28.9	-5.7	-	-	-	-
L2210179-05	TI-SS-3	01566	Flow 4	02/24/22	378793		-	-	-	Pass	10.0	10.4	4
L2210179-05	TI-SS-3	3592	6.0L Can	02/24/22	378793	L2209233-03	Pass	-29.2	-7.3	-	-	-	-
L2210179-06	TI-IA-3	01825	Flow 4	02/24/22	378793		-	-	-	Pass	10.0	8.4	17
L2210179-06	TI-IA-3	952	6.0L Can	02/24/22	378793	L2208348-02	Pass	-28.6	-4.3	-	-	-	-
L2210179-07	TI-SS-4	01774	Flow 4	02/24/22	378793		-	-	-	Pass	10.0	10.4	4
L2210179-07	TI-SS-4	646	6.0L Can	02/24/22	378793	L2208706-05	Pass	-29.3	-5.8	-	-	-	-
L2210179-08	TI-IA-4	01791	Flow 4	02/24/22	378793		-	-	-	Pass	10.0	10.6	6

Project Name: 2921 WESTCHESTER AVE

Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179

Report Date: 03/14/22

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2210179-08	TI-IA-4	1547	6.0L Can	02/24/22	378793	L2208348-06	Pass	-28.9	-6.8	-	-	-	-
L2210179-09	TI-SS-5	0018	Flow 4	02/24/22	378793		-	-	-	Pass	10.0	10.6	6
L2210179-09	TI-SS-5	1962	6.0L Can	02/24/22	378793	L2209233-04	Pass	-29.2	-6.7	-	-	-	-
L2210179-10	TI-IA-5	01944	Flow 4	02/24/22	378793		-	-	-	Pass	10.0	9.9	1
L2210179-10	TI-IA-5	590	6.0L Can	02/24/22	378793	L2208348-01	Pass	-28.7	-7.6	-	-	-	-
L2210179-11	TI-SS-6	01478	Flow 4	02/24/22	378793		-	-	-	Pass	10.0	10.2	2
L2210179-11	TI-SS-6	898	6.0L Can	02/24/22	378793	L2209233-04	Pass	-28.9	-6.6	-	-	-	-
L2210179-12	TI-IA-6	0622	Flow 3	02/24/22	378793		-	-	-	Pass	10.0	9.5	5
L2210179-12	TI-IA-6	3483	6.0L Can	02/24/22	378793	L2208046-06	Pass	-28.7	-4.1	-	-	-	-
L2210179-13	AA-3	0909	Flow 4	02/24/22	378793		-	-	-	Pass	10.0	9.8	2
L2210179-13	AA-3	3608	6.0L Can	02/24/22	378793	L2208046-05	Pass	-28.6	-2.6	-	-	-	-

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

Lab Number: L2208046
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2208046-05
Client ID: CAN 3606 SHELF 31
Sample Location:

Date Collected: 02/15/22 09:00
Date Received: 02/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 02/16/22 22:14
Analyst: RY

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

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

Lab Number: L2208046
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2208046-05
Client ID: CAN 3606 SHELF 31
Sample Location:

Date Collected: 02/15/22 09:00
Date Received: 02/16/22
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2208046
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2208046-05
Client ID: CAN 3606 SHELF 31
Sample Location:

Date Collected: 02/15/22 09:00
Date Received: 02/16/22
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2208046
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2208046-05
Client ID: CAN 3606 SHELF 31
Sample Location:

Date Collected: 02/15/22 09:00
Date Received: 02/16/22
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2208046
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2208046-05
Client ID: CAN 3606 SHELF 31
Sample Location:

Date Collected: 02/15/22 09:00
Date Received: 02/16/22
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	90		60-140

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

Lab Number: L2208046
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2208046-05
Client ID: CAN 3606 SHELF 31
Sample Location:

Date Collected: 02/15/22 09:00
Date Received: 02/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/16/22 22:14
Analyst: TS

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

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

Lab Number: L2208046
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2208046-05
Client ID: CAN 3606 SHELF 31
Sample Location:

Date Collected: 02/15/22 09:00
Date Received: 02/16/22
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2208046
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2208046-05
Client ID: CAN 3606 SHELF 31
Sample Location:

Date Collected: 02/15/22 09:00
Date Received: 02/16/22
Field Prep: Not Specified

Sample Depth:

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	96		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	90		60-140

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

Lab Number: L2208046
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2208046-06
Client ID: CAN 3483 SHELF 32
Sample Location:

Date Collected: 02/15/22 09:00
Date Received: 02/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 02/17/22 01:29
Analyst: RY

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

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

Lab Number: L2208046
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2208046-06
Client ID: CAN 3483 SHELF 32
Sample Location:

Date Collected: 02/15/22 09:00
Date Received: 02/16/22
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2208046
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2208046-06
Client ID: CAN 3483 SHELF 32
Sample Location:

Date Collected: 02/15/22 09:00
Date Received: 02/16/22
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2208046
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2208046-06
Client ID: CAN 3483 SHELF 32
Sample Location:

Date Collected: 02/15/22 09:00
Date Received: 02/16/22
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2208046
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2208046-06
Client ID: CAN 3483 SHELF 32
Sample Location:

Date Collected: 02/15/22 09:00
Date Received: 02/16/22
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	89		60-140

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

Lab Number: L2208046
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2208046-06
Client ID: CAN 3483 SHELF 32
Sample Location:

Date Collected: 02/15/22 09:00
Date Received: 02/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/17/22 01:29
Analyst: TS

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

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

Lab Number: L2208046
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2208046-06
Client ID: CAN 3483 SHELF 32
Sample Location:

Date Collected: 02/15/22 09:00
Date Received: 02/16/22
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2208046
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2208046-06
Client ID: CAN 3483 SHELF 32
Sample Location:

Date Collected: 02/15/22 09:00
Date Received: 02/16/22
Field Prep: Not Specified

Sample Depth:

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	93		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	89		60-140

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

Lab Number: L2208348
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2208348-01
Client ID: CAN 590 SHELF 40
Sample Location:

Date Collected: 02/16/22 18:00
Date Received: 02/17/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 02/17/22 21:17
Analyst: RY

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

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

Lab Number: L2208348
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2208348-01
Client ID: CAN 590 SHELF 40
Sample Location:

Date Collected: 02/16/22 18:00
Date Received: 02/17/22
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2208348
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2208348-01
Client ID: CAN 590 SHELF 40
Sample Location:

Date Collected: 02/16/22 18:00
Date Received: 02/17/22
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2208348
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2208348-01
Client ID: CAN 590 SHELF 40
Sample Location:

Date Collected: 02/16/22 18:00
Date Received: 02/17/22
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2208348
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2208348-01
Client ID: CAN 590 SHELF 40
Sample Location:

Date Collected: 02/16/22 18:00
Date Received: 02/17/22
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	98		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	93		60-140

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

Lab Number: L2208348
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2208348-01
Client ID: CAN 590 SHELF 40
Sample Location:

Date Collected: 02/16/22 18:00
Date Received: 02/17/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/17/22 21:17
Analyst: RY

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

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

Lab Number: L2208348
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2208348-01
Client ID: CAN 590 SHELF 40
Sample Location:

Date Collected: 02/16/22 18:00
Date Received: 02/17/22
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2208348
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2208348-01
Client ID: CAN 590 SHELF 40
Sample Location:

Date Collected: 02/16/22 18:00
Date Received: 02/17/22
Field Prep: Not Specified

Sample Depth:

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	95		60-140
bromochloromethane	100		60-140
chlorobenzene-d5	94		60-140

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

Lab Number: L2208348
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2208348-02
Client ID: CAN 952 SHELF 41
Sample Location:

Date Collected: 02/16/22 18:00
Date Received: 02/17/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 02/17/22 21:56
Analyst: RY

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

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

Lab Number: L2208348
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2208348-02
Client ID: CAN 952 SHELF 41
Sample Location:

Date Collected: 02/16/22 18:00
Date Received: 02/17/22
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2208348
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2208348-02
Client ID: CAN 952 SHELF 41
Sample Location:

Date Collected: 02/16/22 18:00
Date Received: 02/17/22
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2208348
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2208348-02
Client ID: CAN 952 SHELF 41
Sample Location:

Date Collected: 02/16/22 18:00
Date Received: 02/17/22
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2208348
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2208348-02
Client ID: CAN 952 SHELF 41
Sample Location:

Date Collected: 02/16/22 18:00
Date Received: 02/17/22
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	92		60-140

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

Lab Number: L2208348
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2208348-02
Client ID: CAN 952 SHELF 41
Sample Location:

Date Collected: 02/16/22 18:00
Date Received: 02/17/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/17/22 21:56
Analyst: RY

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

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

Lab Number: L2208348
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2208348-02
Client ID: CAN 952 SHELF 41
Sample Location:

Date Collected: 02/16/22 18:00
Date Received: 02/17/22
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2208348
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2208348-02
Client ID: CAN 952 SHELF 41
Sample Location:

Date Collected: 02/16/22 18:00
Date Received: 02/17/22
Field Prep: Not Specified

Sample Depth:

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	92		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	93		60-140

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

Lab Number: L2208348
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2208348-03
Client ID: CAN 1812 SHELF 42
Sample Location:

Date Collected: 02/16/22 18:00
Date Received: 02/17/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 02/17/22 22:35
Analyst: RY

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

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

Lab Number: L2208348
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2208348-03
Client ID: CAN 1812 SHELF 42
Sample Location:

Date Collected: 02/16/22 18:00
Date Received: 02/17/22
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2208348
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2208348-03
Client ID: CAN 1812 SHELF 42
Sample Location:

Date Collected: 02/16/22 18:00
Date Received: 02/17/22
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2208348
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2208348-03
Client ID: CAN 1812 SHELF 42
Sample Location:

Date Collected: 02/16/22 18:00
Date Received: 02/17/22
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2208348
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2208348-03
Client ID: CAN 1812 SHELF 42
Sample Location:

Date Collected: 02/16/22 18:00
Date Received: 02/17/22
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	95		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	90		60-140

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

Lab Number: L2208348
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2208348-03
Client ID: CAN 1812 SHELF 42
Sample Location:

Date Collected: 02/16/22 18:00
Date Received: 02/17/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/17/22 22:35
Analyst: RY

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

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

Lab Number: L2208348
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2208348-03
Client ID: CAN 1812 SHELF 42
Sample Location:

Date Collected: 02/16/22 18:00
Date Received: 02/17/22
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2208348
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2208348-03
Client ID: CAN 1812 SHELF 42
Sample Location:

Date Collected: 02/16/22 18:00
Date Received: 02/17/22
Field Prep: Not Specified

Sample Depth:

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	93		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	92		60-140

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

Lab Number: L2208348
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2208348-06
Client ID: CAN 1547 SHELF 35
Sample Location:

Date Collected: 02/16/22 09:00
Date Received: 02/17/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 02/18/22 00:32
Analyst: RY

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

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

Lab Number: L2208348
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2208348-06
Client ID: CAN 1547 SHELF 35
Sample Location:

Date Collected: 02/16/22 09:00
Date Received: 02/17/22
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2208348
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2208348-06
Client ID: CAN 1547 SHELF 35
Sample Location:

Date Collected: 02/16/22 09:00
Date Received: 02/17/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2208348
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2208348-06
Client ID: CAN 1547 SHELF 35
Sample Location:

Date Collected: 02/16/22 09:00
Date Received: 02/17/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2208348
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2208348-06
Client ID: CAN 1547 SHELF 35
Sample Location:

Date Collected: 02/16/22 09:00
Date Received: 02/17/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	90		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2208348
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2208348-06
Client ID: CAN 1547 SHELF 35
Sample Location:

Date Collected: 02/16/22 09:00
Date Received: 02/17/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/18/22 00:32
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2208348
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2208348-06
Client ID: CAN 1547 SHELF 35
Sample Location:

Date Collected: 02/16/22 09:00
Date Received: 02/17/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2208348
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2208348-06
Client ID: CAN 1547 SHELF 35
Sample Location:

Date Collected: 02/16/22 09:00
Date Received: 02/17/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	92		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	90		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2208348
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2208348-08
Client ID: CAN 2970 SHELF 37
Sample Location:

Date Collected: 02/16/22 09:00
Date Received: 02/17/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 02/18/22 01:50
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2208348
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2208348-08
Client ID: CAN 2970 SHELF 37
Sample Location:

Date Collected: 02/16/22 09:00
Date Received: 02/17/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2208348
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2208348-08
Client ID: CAN 2970 SHELF 37
Sample Location:

Date Collected: 02/16/22 09:00
Date Received: 02/17/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2208348
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2208348-08
Client ID: CAN 2970 SHELF 37
Sample Location:

Date Collected: 02/16/22 09:00
Date Received: 02/17/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2208348
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2208348-08
Client ID: CAN 2970 SHELF 37
Sample Location:

Date Collected: 02/16/22 09:00
Date Received: 02/17/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	89		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2208348
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2208348-08
Client ID: CAN 2970 SHELF 37
Sample Location:

Date Collected: 02/16/22 09:00
Date Received: 02/17/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/18/22 01:50
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2208348
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2208348-08
Client ID: CAN 2970 SHELF 37
Sample Location:

Date Collected: 02/16/22 09:00
Date Received: 02/17/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2208348
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2208348-08
Client ID: CAN 2970 SHELF 37
Sample Location:

Date Collected: 02/16/22 09:00
Date Received: 02/17/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	90		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	91		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2208706
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2208706-05
Client ID: CAN 2586 SHELF 31
Sample Location:

Date Collected: 02/18/22 18:00
Date Received: 02/20/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 02/21/22 21:08
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2208706
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2208706-05
Client ID: CAN 2586 SHELF 31
Sample Location:

Date Collected: 02/18/22 18:00
Date Received: 02/20/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2208706
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2208706-05
Client ID: CAN 2586 SHELF 31
Sample Location:

Date Collected: 02/18/22 18:00
Date Received: 02/20/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2208706
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2208706-05
Client ID: CAN 2586 SHELF 31
Sample Location:

Date Collected: 02/18/22 18:00
Date Received: 02/20/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2208706
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2208706-05
Client ID: CAN 2586 SHELF 31
Sample Location:

Date Collected: 02/18/22 18:00
Date Received: 02/20/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	86		60-140
Bromochloromethane	87		60-140
chlorobenzene-d5	89		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2208706
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2208706-05
Client ID: CAN 2586 SHELF 31
Sample Location:

Date Collected: 02/18/22 18:00
Date Received: 02/20/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/21/22 21:08
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2208706
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2208706-05
Client ID: CAN 2586 SHELF 31
Sample Location:

Date Collected: 02/18/22 18:00
Date Received: 02/20/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2208706
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2208706-05
Client ID: CAN 2586 SHELF 31
Sample Location:

Date Collected: 02/18/22 18:00
Date Received: 02/20/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	90		60-140
bromochloromethane	90		60-140
chlorobenzene-d5	92		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2209233
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2209233-03
Client ID: CAN 1530 SHELF 41
Sample Location:

Date Collected: 02/21/22 18:00
Date Received: 02/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 02/22/22 19:29
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2209233
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2209233-03
Client ID: CAN 1530 SHELF 41
Sample Location:

Date Collected: 02/21/22 18:00
Date Received: 02/22/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2209233
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2209233-03
Client ID: CAN 1530 SHELF 41
Sample Location:

Date Collected: 02/21/22 18:00
Date Received: 02/22/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2209233
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2209233-03
Client ID: CAN 1530 SHELF 41
Sample Location:

Date Collected: 02/21/22 18:00
Date Received: 02/22/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2209233
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2209233-03
Client ID: CAN 1530 SHELF 41
Sample Location:

Date Collected: 02/21/22 18:00
Date Received: 02/22/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Silanol, Trimethyl-	1.8	NJ	ppbV		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	86		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	89		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2209233
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2209233-03
Client ID: CAN 1530 SHELF 41
Sample Location:

Date Collected: 02/21/22 18:00
Date Received: 02/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/22/22 19:29
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2209233
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2209233-03
Client ID: CAN 1530 SHELF 41
Sample Location:

Date Collected: 02/21/22 18:00
Date Received: 02/22/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2209233
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2209233-03
Client ID: CAN 1530 SHELF 41
Sample Location:

Date Collected: 02/21/22 18:00
Date Received: 02/22/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	95		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	94		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2209233
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2209233-04
Client ID: CAN 1705 SHELF 42
Sample Location:

Date Collected: 02/21/22 18:00
Date Received: 02/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 02/22/22 20:08
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2209233
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2209233-04
Client ID: CAN 1705 SHELF 42
Sample Location:

Date Collected: 02/21/22 18:00
Date Received: 02/22/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2209233
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2209233-04
Client ID: CAN 1705 SHELF 42
Sample Location:

Date Collected: 02/21/22 18:00
Date Received: 02/22/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2209233
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2209233-04
Client ID: CAN 1705 SHELF 42
Sample Location:

Date Collected: 02/21/22 18:00
Date Received: 02/22/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2209233
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2209233-04
Client ID: CAN 1705 SHELF 42
Sample Location:

Date Collected: 02/21/22 18:00
Date Received: 02/22/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	85		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	88		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2209233
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2209233-04
Client ID: CAN 1705 SHELF 42
Sample Location:

Date Collected: 02/21/22 18:00
Date Received: 02/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/22/22 20:08
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2209233
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2209233-04
Client ID: CAN 1705 SHELF 42
Sample Location:

Date Collected: 02/21/22 18:00
Date Received: 02/22/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2209233
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2209233-04
Client ID: CAN 1705 SHELF 42
Sample Location:

Date Collected: 02/21/22 18:00
Date Received: 02/22/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	94		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	95		60-140

Project Name: 2921 WESTCHESTER AVE
Project Number: 2921 WESTCHESTER AVE

Lab Number: L2210179
Report Date: 03/14/22

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
NA	Present/Intact

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2210179-01A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2210179-02A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2210179-03A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2210179-04A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2210179-05A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2210179-06A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2210179-07A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2210179-08A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2210179-09A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2210179-10A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2210179-11A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2210179-12A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2210179-13A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)

*Values in parentheses indicate holding time in days

Project Name:	2921 WESTCHESTER AVE	**Lab Number:**	L2210179
Project Number:	2921 WESTCHESTER AVE	**Report Date:**	03/14/22

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report

Project Name:	2921 WESTCHESTER AVE	**Lab Number:**	L2210179
Project Number:	2921 WESTCHESTER AVE	**Report Date:**	03/14/22

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the reporting limit (RL) for the sample.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where

Project Name:	2921 WESTCHESTER AVE	**Lab Number:**	L2210179
Project Number:	2921 WESTCHESTER AVE	**Report Date:**	03/14/22

Data Qualifiers

the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

AIR ANALYSIS

ALPHA ANALYTICAL

CHAIN OF CUSTODY

PAGE 1 OF 2

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 2/25/22

ALPHA Job #: L2210179

Client Information

Client: Tenen Environmental
Address: 121 W 27th Street
Suite 702, NY, NY 10001
Phone: 646-606-2332
Fax:
Email: acarroll@tenen-env.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 2921 Westchester Ave
Project Location: Bronx, NY
Project #: 2921 Westchester Ave
Project Manager: A. 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: Cat B deliverables
Report to: (if different than Project Manager)
A. Carroll + A. Platt
aplatt@tenen-env.com

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments: Cat B deliverables

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-15	TO-15 SIM	APH Subtract Non-petroleum HCs ☐	Fixed Gases	Sulfides & Mercaptans by TO-15		Sample Comments (i.e. PID)
10179-01	TI-SS-1	2/24/22	9:07	1656	-31.55	-8.77	SV	AP	6L	2257	01449	X						
02	TI-IA-1	↓	9:08	1658	-30.57	-6.09	AA	↓	↓	2970	01583	X						
03	TI-SS-2	↓	9:03	1653	-32.17	-6.58	SV	↓	↓	1943	0471	X						
04	TI-IA-2	↓	9:04	1654	-30.98	-6.34	AA	↓	↓	1812	0724	X						
05	TI-SS-3	↓	9:11	1700	-30.86	-7.72	SV	↓	↓	3592	01566	X						
06	TI-IA-3	↓	9:12	1701	-32.83	-6.25	AA	↓	↓	952	01825	X						
07	TI-SS-4	↓	9:15	1702	-31.22	-7.00	SV	↓	↓	646	01774	X						
08	TI-IA-4	↓	9:16	1703	-30.90	-6.89	AA	↓	↓	1547	01791	X						
09	TI-SS-5	↓	9:23	1725	-30.56	-7.01	SV	↓	↓	1962	0018	X						
10	TI-IA-5	↓	9:24	1726	-31.14	-8.09	AA	↓	↓	590	01944	X						

*SAMPLE MATRIX CODES
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type: Summa

Relinquished By:	Date/Time	Received By:	Date/Time:
[signature] HPLay	2/24/22 1733	MSMR [signature]	2/24/22 17:35
MSMR [signature]	2/24/22 19:15	[signature]	2/24/22 2000
[signature]	2/24/22	[signature]	2/24/22 2330
[signature]	2/25/22 033	[signature]	

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.

Form No: 101-02 Rev: (25-Sep-15)

AIR ANALYSIS

ALPHA ANALYTICAL

CHAIN OF CUSTODY

PAGE 2 OF 2

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 2/25/22

ALPHA Job #: L2210179

Client Information

Client: Tenen Environmental
Address: 121 W 27th Street
Suite 702, NY, NY 10001
Phone: 646-606-2332
Fax:
Email: acarroll@tenen-env.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 2921 Westchester Ave
Project Location: Bronx, NY
Project #:
Project Manager: A. 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: Cat B deliverables
Report to: (if different than Project Manager)

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments: Cat B deliverables

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-15	TO-15 SIM	APH Subtract Non-petroleum HCs ☐	Fixed Gases	Sulfides & Mercaptans by TO-15			Sample Comments (i.e. PID)
11	TI-SS-6	2/24/22	9:19	1719	-35.42	-7.93	SV	AP	6L	898	01478	X							
12	TI-IA-6	↓	9:20	1721	-31.04	-7.41	AA	↓	↓	3483	0622	X							
13	AA-3	↓	8:57	1709	-30.74	-5.14	AA	↓	↓	3608	0909	X							

*SAMPLE MATRIX CODES
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

Relinquished By:	Date/Time	Received By:	Date/Time:
MSMR (pdf) HP Cay	2/24/22 17:33	MSMR (pdf)	2/24/22 17:53
Anthony Green	2/24/22 19:15	Anthony Green	2/24/22 2000
[signature]	2/24/22	[signature]	2/24/22 2330
[signature]	2/25/22 0330	[signature]	

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.

Form No: 101-02 Rev: (25-Sep-15)

DATA USABILITY SUMMARY REPORT (DUSR)

PROJECT NAME:
2925 WESTCHESTER AVE

ORGANIC ANALYSES
IN AQUEOUS SAMPLES

Alpha Analytical
Westborough, MA

PROJECT NUMBER: L1946362

January 2023

Prepared for

Tenen Environmental, LLC
121 West 27th Street
Suite 702
New York, NY 10001

Prepared by
Premier Environmental Services
2815 Covered Bridge Road
Merrick, New York 11566
(516) 223-9761

Data Usability Summary Report

DATA VALIDATION FOR:	**Volatile Organic Analyses (EPA Methods: 8260C)**
SITE:	**2525 Westchester Avenue**
CONTRACT LAB:	**Alpha Analytical Westboro, MA**
PROJECT NO.:	**L1946362**
REVIEWER:	**Renee Cohen**
DATE REVIEW COMPLETED:	**January 2023**
MATRIX:	**Non-Aqueous - Soil**

The data validation was performed according to the guidelines in the USEPA National Functional Guidelines for Organic Data Review. In addition, method and QC criteria specified in the NYSDEC ASP documents were cited. All data are considered valid and acceptable except those analytes which have been deemed unusable "R" (unreliable). Due to various QC problems, some analytes may have been qualified with a "J" (estimated), "N" (presumptive evidence for the presence of the material), "U" (non-detect), or "JN" (presumptive evidence for the presence of the material at an estimated value) flag. All actions are detailed on the attached sheets.

Table 1 of this report includes a cross reference between the field sample ID and laboratory sample ID used to perform data validation. Definitions of the data qualifiers that may be used in this report are in Appendix A of this report. Qualified data result pages are located in Appendix B of this report. A copy of the Chain of Custody (COC) document is in Appendix C of this report.

This sample set included two (2) aqueous samples. Based on the COC document that accompanied the samples to the laboratory the sample was collected and received at the laboratory on October 4, 2019 in good condition.

The field sample and associated QC samples reported in this data set were analyzed for the parameter listed on the COC document that accompanied the sample samples to the laboratory.

This report is the review of these Volatile Organic Compound (VOCs) analyses.

ORGANIC DATA ASSESSMENT

1. OVERVIEW:

Field samples and associated QC samples associated with this data set were analyzed for Volatile Organic Analytes (VOA) as marked on the COC documentation that accompanied the sample set to the laboratory. The analyses were performed in accordance with USEPA Test Methods for the Evaluation of Solid Waste (SW846) as well as the NYSDEC ASP methodologies. Data validation will utilize the validation guidelines in listed above, however, QA/QC requirements of the NYS DEC ASP will supersede CLP requirements in terms of calibration (where applicable) and holding time. Alpha Analytical Laboratories generated a stand-alone report for each fraction in compliance with the NYS DEC ASP Category B deliverables. A summary of the applicable QC will be discussed at each section of the report.

Laboratory report L194362 consists of two (2) monitoring well (MW) samples.

The chain of custody (COC) documentation indicated that the sample was collected and received at Alpha Analytical on October 4, 2019. The aqueous samples were analyzed and reported by the method listed on the Chain of Custody that accompanied the sample to the laboratory. The Chain of Custody document listed the field sample ID that is summarized in Table 1 of this report.

A copy of the COC document associated with this data set is located in Appendix C of this report.

2. HOLDING TIME:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. The NYS DEC ASP criteria specify holding times for solid and soil samples. These holding times are based on Validated Time of Sample Receipt (VTSR). The holding times cited in the NY ASP were reviewed. EPA SW846 methods cite holding times based on collection date. The technical holding time for properly preserved aqueous and non-aqueous Volatile Organic samples is fourteen (14) days.

The field samples reported in laboratory report L1946362 were collected and received at the laboratory October 4, 2019 per the COC document that accompanied the sample to the laboratory. The sample was received at Alpha Analytical Laboratories in good condition. The field samples and associated QC samples were prepared and analyzed at Alpha Analytical on October 10, 2019 within the method holding time.

3. SURROGATES:

The samples to be analyzed for Volatile Organic Analytes (VOA) are fortified with four (4) method recommended surrogate compounds. These include 1,2-Dichloroethane-D4, Toluene-D8, 4-Bromofluorobenzene and Dibromofluoromethane. Surrogate QC recovery limits (70-130%) were applied to each of the surrogate compounds.

The surrogate compounds were added prior to sample analysis to evaluate the overall laboratory performance and the efficiency of the analytical technique.

The laboratory reported in-house recovery limits in terms of percent recovery (70-130%) for each surrogate compound in the aqueous sampled reported in this data set. The percent recovery of the surrogate compounds met QC criteria in the field sample and associated QC samples reported in this data set.

ORGANIC DATA ASSESSMENT

4. MATRIX SPIKE/SPIKE DUPLICATE, MS/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.

Site specific MS/MSD analysis was not listed on the COC documents that accompanied the samples to the laboratory. Batch QC MS/MSD was not reported in this data set.

The laboratory prepared and analyzed a one (1) Laboratory Control Sample (LCS)/Laboratory Control Sample Duplicate (LCSD) with the sample batch reported with this data set.

LCS/LCSD – WG1294640 - The % Recovery of the reported target analytes in the LCS and LCSD sample met QC limit. RPD (0-20) was met in the reported LCS/LCSD QC sample associated with this data set.

5. BLANK CONTAMINATION:

Quality assurance (QA) blanks, such as the method, trip, field, or rinse 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 and rinse blanks measure cross-contamination of samples during field operations. Samples were only qualified with those QC samples associated with the particular blank.

A) Method Blank contamination

One (1) method blank sample (Batch WG1294640) is associated with the sample reported in this data set. The method blank sample is free from contamination of target analytes with the exception of the following:

Date	Batch ID	Target Analyte	Concentration
10/10/2019	WG1294640	Chloroform	0.30 J ug/kg

Chloroform has been negated "U" qualified in sample MW-1 (16-18).

Qualified data result pages are located in Appendix B of this report.

B) Field or Equipment Rinse Blank (ERB) contamination

A Field Blank and/or Rinse Blank sample is not associated with this data set.

C) Trip Blank contamination

A Trip Blank (TB) sample is not associated with this data set.

ORGANIC DATA ASSESSMENT

6. GC/MS CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument is giving satisfactory daily performance. Region USEPA and Region II criteria is the sample for the analytes in both GC/MS Volatile and GC/MS Semivolatile Organic analyses is the same, therefore, all text discussion is for VOA and SVOA samples analyses where applicable.

A) RESPONSE FACTOR

The response factor measures the instrument's response to specific chemical compounds. Region II data review requires that the response factor of all analytes be greater than or equal to 0.05 in both initial and continuing calibration analyses. A value less than 0.05 indicates a serious detection and quantitation problem (poor sensitivity). Region II data validation criteria states that if the minimum RRF criteria are not met in an initial calibration the positive results are qualified "J". Non-detect results in the initial calibration with an RRF <0.05 are qualified "R", unusable. If RRF criteria is not met in the continuing calibration curve analysis, affected positive analytes will be qualified "J" estimated. Those analytes not detected are not qualified. The SW-846 Methods cite specific analytes known as System Performance Check Compounds (SPCC). Minimum response criteria are set for these analytes. If the minimum criteria are not met, analyses must stop, and the source of problems must be found and corrected. Data associated with this set has been reviewed for the criteria in the cited in the EPA Method and the Region II criteria.

One (1) multi-level initial calibration curve analysis is associated with this data set. Initial calibration was performed on Instrument VOA105 on September 21, 2019 based on the BFB Tune Summary Form included in the laboratory report. The laboratory analyzed an Initial Calibration Verification (ICV)/second source following the initial calibration curve analysis.

One (1) Continuing Calibration Verification (CCV) standard analysis was analyzed and reported in this data set. The CCV was analyzed 10/10/19/WG1294640-2.

RRF was reviewed based on the calibration summaries included in the data report. The laboratory did not include the raw data for the initial calibration data and/or continuing calibration data in this laboratory report.

Initial Curve Analysis/Date: VOA1059/21/2019

Target Analyte	RRF	Qualifier
Acetone	0.035	R
2-Butanone	0.049	R
1,4-Dioxane	0.001	R

VOA105-CCV Analysis – V05191010A02-10/1919
Sample analyte data has been qualified "R" where analyte outliers were listed on the summary forms in the initial and continuing calibration analyses.

Qualified data result pages are located in Appendix B of this report.

6. GC/MS CALIBRATION (cont'd):

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 concentration. Percent D compares the response factor of the compounds in the continuing calibration standard to the mean response factor (RRF) from the initial calibration. Percent D is a measure of the instrument's daily performance. Region II data validation criteria states that the percent RSD of the initial calibration curve must be less than or equal to 20% for all compounds with the exception of the continuing calibration check compounds (CCC's) where the %RSD must be less than 20%. The %D must be <20% in the continuing calibration standard. These criteria have been applied to all target analytes. 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 may be flagged "UJ", based on professional judgment. If %RSD and %D grossly exceed QC criteria (>90%), non-detects data may be qualified "R", unusable. Data associated with this set has been reviewed for the criteria in the cited in the USEPA Data Validation Guidelines.

One (1) initial calibration curve analysis is associated with the samples reported in this data set. The laboratory performed the initial calibration analyses on Instruments VOA105-9/21/2019. The laboratory included the Initial Calibration and Continuing Calibration summary reports. Raw data was not included in the data report. Data review was based on the summary forms that the laboratory included in the report.

The laboratory result page indicated that the continuing calibration verification (CCV) analysis was analyzed on 10/10/2019 (File ID.:V05191010A02). Sample data has been qualified based on the CCV summary report.

Qualified data result pages are located in Appendix B of this data review report.

7. GC/MS MASS SPECTROMETER TUNING:

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). If the mass calibration is in error, or missing, all associated data will be classified as unusable, "R".

The BFB tune criteria listed in the data report met or exceeded that required by the method. The instrument tuning criteria associated with these sample analyses were met.

In addition to BFB Tune criteria, samples are to be analyzed within 12 hours of the BFB injection. The samples reported in this data set were analyzed within 12 hours of the BFB injection.

ORGANIC DATA ASSESSMENT

8. GC/MS INTERNAL STANDARDS PERFORMANCE:

Internal standard (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every run. The method recommends that 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 method recommends that the retention time of the internal standard must not vary more than ±30 seconds from the associated continuing calibration standard. The EPA CLP validation guidelines state that if the area count is outside the (-50% to +100%) range of the associated standard, all positive results for compounds quantitated using that IS are qualified estimated, "J", and all non-detects below 50% are qualified "UJ", non-detects above 100% should not be qualified or "R" if there is a severe loss of sensitivity. The internal standard area count evaluation criteria are applied to all field and QC samples.

The samples in this data set were fortified with the internal standards Fluorobenzene, Chlorobenzene-d5 and 1,4-Dichlorobenzene-d4 prior to analysis.

The area counts, and retention time of each internal standard met QC criteria in each of the field samples and QC samples reported in this data set.

9. COMPOUND IDENTIFICATION:

Target 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 ion intensities with 20% of that in the standard compound.

Laboratory Report L1946362 included the analysis of two (2) monitoring well (MW)/aqueous samples. The samples (MW-1, MW-2) were analyzed in accordance with EPA Method 8260D. The laboratories standard VOA/Method 8260D compound list was reported.

Sample results between the laboratory Limit of Detection (LOD) and Limit of Quantitation (LOQ) are reported "J" qualified by the laboratory.

The samples reported in this data set were prepared and analyzed without dilution (DF: 1).

When target analytes were reported from an initial dilution analysis and/or secondary dilution analysis (greater than 1:1), the laboratory qualified these detected analyte results "D" on the laboratory report result page. Raw data for both analyses (where applicable) has been included in the laboratory report and reviewed during this data review.

One (1) analyte result is reported for each target compound.

Samples **MW-2** (L1946362-01) and **MW-1** (L1946362-02) were prepared, analyzed, and reported without dilution on October 10, 2019.

Tentatively Identified Compounds (TICs) were not searched for and/or reported in the field samples reported in this data set.

ORGANIC DATA ASSESSMENT

10. FIELD DUPLICATE ANALYSES/LABORATORY DUPLICATE ANALYSES:

Field duplicate samples are collected and analyzed as an indication of overall precision. Field duplicate results are expected to have more variability than laboratory duplicate samples. Non aqueous sample results are expected to have more variation due to the non-homogeneity of soil samples. RPD has been reviewed in these aqueous field duplicate sample analyses. RPD of the aqueous field duplicate target analytes >20 have been estimated "J" qualified in the sample and field duplicate sample.

A Field Duplicate (FD) was not collected with this sample set. No action was taken based on this QC sample.

A Laboratory Duplicate sample analysis was not analyzed and/or reported in this data set.

11. SYSTEM PERFORMANCE AND OVERALL ASSESSMENT

Analytical/method QC criteria was met for these analyses except were explained in the laboratory case narrative and detailed in this validation report. The data reported by the laboratory agrees with the raw data provided in the final report with the exception of that detailed in the above report. The laboratory provided a complete data package and reported all data using acceptable protocols and laboratory qualifiers as defined in the report package.

All QC anomalies associated with this data set have been explained in the above sections of this DUSR report.

Sample results are reported to the Reporting Limit (RL). Laboratory results between the MDL and RL have been "J" qualified by the laboratory. Reporting limits and positive results are adjusted based on the sample volume/weight utilized for each extraction procedure. Sample results are reported on a dry weight basis. Dilution analysis was utilized to report any detected target analytes within the calibration range of the instrument.

Report data provided for this data set are acceptable for use, with the noted data qualifiers.

Appendix B of this report contains copies of qualified data result pages.

TABLE 1

FIELD SAMPLE ID	LABORATORY ID
MW-2	L1946362-01
MW-1	L1946362-02

Project Name: 2925 WESTCHESTER AVE
Project Number: 2925 WESTCHESTER AVE

Lab Number: L1946362
Report Date: 10/11/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1946362-01	MW-2	WATER	2925 WESTCHESTER AVE	10/04/19 08:55	10/04/19
L1946362-02	MW-1	WATER	2925 WESTCHESTER AVE	10/04/19 09:20	10/04/19

APPENDIX A

DATA QUALIFIER DEFINITIONS

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.

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 not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R - The sample results are unreliable/unusable. The presence or absence of the analyte cannot be verified.

APPENDIX B

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L1946362
Project Name	: 2925 WESTCHESTER AVE	Project Number	: 2925 WESTCHESTER AVE
Lab ID	: L1946362-01	Date Collected	: 10/04/19 08:55
Client ID	: MW-2	Date Received	: 10/04/19
Sample Location	: 2925 WESTCHESTER AVE	Date Analyzed	: 10/10/19 13:30
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: AD
Lab File ID	: V05191010A18	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
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

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L1946362
Project Name	: 2925 WESTCHESTER AVE	Project Number	: 2925 WESTCHESTER AVE
Lab ID	: L1946362-01	Date Collected	: 10/04/19 08:55
Client ID	: MW-2	Date Received	: 10/04/19
Sample Location	: 2925 WESTCHESTER AVE	Date Analyzed	: 10/10/19 13:30
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: AD
Lab File ID	: V05191010A18	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier	
75-00-3	Chloroethane	ND	2.5	0.70	U	
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U	
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	UJ
100-42-5	Styrene	ND	2.5	0.70	U	
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U	UJ
67-64-1	Acetone	6.0	5.0	1.5		R
75-15-0	Carbon disulfide	ND	5.0	1.0	U	
78-93-3	2-Butanone	ND	5.0	1.9	U	R
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	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L1946362
Project Name	: 2925 WESTCHESTER AVE	Project Number	: 2925 WESTCHESTER AVE
Lab ID	: L1946362-01	Date Collected	: 10/04/19 08:55
Client ID	: MW-2	Date Received	: 10/04/19
Sample Location	: 2925 WESTCHESTER AVE	Date Analyzed	: 10/10/19 13:30
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: AD
Lab File ID	: V05191010A18	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
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	
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	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	

ALPHA ANALYTICAL

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L1946362
Project Name	: 2925 WESTCHESTER AVE	Project Number	: 2925 WESTCHESTER AVE
Lab ID	: L1946362-01	Date Collected	: 10/04/19 08:55
Client ID	: MW-2	Date Received	: 10/04/19
Sample Location	: 2925 WESTCHESTER AVE	Date Analyzed	: 10/10/19 13:30
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: AD
Lab File ID	: V05191010A18	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U	UJ

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L1946362
Project Name	: 2925 WESTCHESTER AVE	Project Number	: 2925 WESTCHESTER AVE
Lab ID	: L1946362-02	Date Collected	: 10/04/19 09:20
Client ID	: MW-1	Date Received	: 10/04/19
Sample Location	: 2925 WESTCHESTER AVE	Date Analyzed	: 10/10/19 13:53
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: AD
Lab File ID	: V05191010A19	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
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	1.2	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

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L1946362
Project Name	: 2925 WESTCHESTER AVE	Project Number	: 2925 WESTCHESTER AVE
Lab ID	: L1946362-02	Date Collected	: 10/04/19 09:20
Client ID	: MW-1	Date Received	: 10/04/19
Sample Location	: 2925 WESTCHESTER AVE	Date Analyzed	: 10/10/19 13:53
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: AD
Lab File ID	: V05191010A19	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier	
75-00-3	Chloroethane	ND	2.5	0.70	U	
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U	
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	UJ
100-42-5	Styrene	ND	2.5	0.70	U	
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U	UJ
67-64-1	Acetone	1.5	5.0	1.5	J	R
75-15-0	Carbon disulfide	ND	5.0	1.0	U	
78-93-3	2-Butanone	ND	5.0	1.9	U	R
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	

ALPHA ANALYTICAL

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L1946362
Project Name	: 2925 WESTCHESTER AVE	Project Number	: 2925 WESTCHESTER AVE
Lab ID	: L1946362-02	Date Collected	: 10/04/19 09:20
Client ID	: MW-1	Date Received	: 10/04/19
Sample Location	: 2925 WESTCHESTER AVE	Date Analyzed	: 10/10/19 13:53
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: AD
Lab File ID	: V05191010A19	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
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	
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	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	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L1946362
Project Name	: 2925 WESTCHESTER AVE	Project Number	: 2925 WESTCHESTER AVE
Lab ID	: L1946362-02	Date Collected	: 10/04/19 09:20
Client ID	: MW-1	Date Received	: 10/04/19
Sample Location	: 2925 WESTCHESTER AVE	Date Analyzed	: 10/10/19 13:53
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: AD
Lab File ID	: V05191010A19	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U UJ

APPENDIX C

NEW YORK CHAIN OF CUSTODY

ALPHA

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page | of |

Date Rec'd in Lab: 10/4/19

ALPHA Job #: L1946362

Client Information
Client: Tenen Environmental
Address: 121 West 27th Street, Suite 702, NY, NY 10001
Phone: 646-606-2332
Fax: aplatt@tenen-env.com
Email: acarroll@tenen-env.com

Project Information
Project Name: 2925 Westchester Ave
Project Location: " "
Project #
(Use Project name as Project #) ☒
Project Manager: A. Carroll
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☒ NY TOGS ☐ NY Part 375
☒ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☒ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

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	VOCs							Sample Specific Comments	Total Bottles
46362-01	MW-2	10/4/19	8:55	Water	AP	X								3
-02	MW-1	10/4/19	9:20	Water	AP	X								3

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	V								
Preservative	B								

Relinquished By:	Date/Time	Received By:	Date/Time
A. Platt	10/4/19 1240	D. Santos AAL	10/4/19 1240
D. Santos AAL	10/4/19 1600	P.S. AAL	10/4/19 17:00
P.S.	10/4/19 21:25		10/4/19 21:25

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

Appendix C
Community Air Monitoring Plan (CAMP) Results

Downwind CAMP Data
2921 Westchester Avenue
Remedial Investigation Report

Date/Time	Particulates (ug/m^3)	VOCs (ppm)
Feb 15 2021 9:30:00 AM	0.015	0
Feb 15 2021 9:31:00 AM	0.046	0
Feb 15 2021 9:32:00 AM	0.015	0
Feb 15 2021 9:33:00 AM	0.017	0
Feb 15 2021 9:34:00 AM	0.016	0
Feb 15 2021 9:35:00 AM	0.016	0
Feb 15 2021 9:36:00 AM	0.056	0
Feb 15 2021 9:37:00 AM	0.066	0
Feb 15 2021 9:38:00 AM	0.048	0
Feb 15 2021 9:39:00 AM	0.033	0
Feb 15 2021 9:40:00 AM	0.027	0
Feb 15 2021 9:41:00 AM	0.025	0
Feb 15 2021 9:42:00 AM	0.025	0
Feb 15 2021 9:43:00 AM	0.024	0
Feb 15 2021 9:44:00 AM	0.016	0
Feb 15 2021 9:45:00 AM	0.025	0
Feb 15 2021 9:46:00 AM	0.023	0
Feb 15 2021 9:47:00 AM	0.022	0
Feb 15 2021 9:48:00 AM	0.021	0
Feb 15 2021 9:49:00 AM	0.021	0
Feb 15 2021 9:50:00 AM	0.02	0
Feb 15 2021 9:51:00 AM	0.02	0
Feb 15 2021 9:52:00 AM	0.02	0
Feb 15 2021 9:53:00 AM	0.02	0
Feb 15 2021 9:54:00 AM	0.019	0
Feb 15 2021 9:55:00 AM	0.018	0
Feb 15 2021 9:56:00 AM	0.018	0
Feb 15 2021 9:57:00 AM	0.018	0
Feb 15 2021 9:58:00 AM	0.018	0
Feb 15 2021 9:59:00 AM	0.021	0
Feb 15 2021 10:00:00 AM	0.025	0
Feb 15 2021 10:01:00 AM	0.024	0
Feb 15 2021 10:02:00 AM	0.02	0
Feb 15 2021 10:03:00 AM	0.021	0
Feb 15 2021 10:04:00 AM	0.021	0
Feb 15 2021 10:05:00 AM	0.02	0
Feb 15 2021 10:06:00 AM	0.02	0
Feb 15 2021 10:07:00 AM	0.02	0
Feb 15 2021 10:08:00 AM	0.019	0
Feb 15 2021 10:09:00 AM	0.021	0
Feb 15 2021 10:10:00 AM	0.031	0
Feb 15 2021 10:11:00 AM	0.028	0
Feb 15 2021 10:12:00 AM	0.025	0
Feb 15 2021 10:13:00 AM	0.024	0
Feb 15 2021 10:14:00 AM	0.023	0
Feb 15 2021 10:15:00 AM	0.024	0

Downwind CAMP Data
2921 Westchester Avenue
Remedial Investigation Report

Date/Time	Particulates (ug/m^3)	VOCs (ppm)
Feb 15 2021 10:16:00 AM	0.026	0
Feb 15 2021 10:17:00 AM	0.022	0
Feb 15 2021 10:18:00 AM	0.022	0
Feb 15 2021 10:19:00 AM	0.022	0
Feb 15 2021 10:20:00 AM	0.022	0
Feb 15 2021 10:21:00 AM	0.021	0
Feb 15 2021 10:22:00 AM	0.02	0
Feb 15 2021 10:23:00 AM	0.022	0
Feb 15 2021 10:24:00 AM	0.021	0
Feb 15 2021 10:25:00 AM	0.021	0
Feb 15 2021 10:26:00 AM	0.021	0
Feb 15 2021 10:27:00 AM	0.021	0
Feb 15 2021 10:28:00 AM	0.02	0
Feb 15 2021 10:29:00 AM	0.02	0
Feb 15 2021 10:30:00 AM	0.02	0
Feb 15 2021 10:31:00 AM	0.022	0
Feb 15 2021 10:32:00 AM	0.021	0
Feb 15 2021 10:33:00 AM	0.021	0
Feb 15 2021 10:34:00 AM	0.022	0
Feb 15 2021 10:35:00 AM	0.022	0
Feb 15 2021 10:36:00 AM	0.02	0
Feb 15 2021 10:37:00 AM	0.02	0
Feb 15 2021 10:38:00 AM	0.021	0
Feb 15 2021 10:39:00 AM	0.02	0
Feb 15 2021 10:40:00 AM	0.02	0
Feb 15 2021 10:41:00 AM	0.02	0
Feb 15 2021 10:42:00 AM	0.02	0
Feb 15 2021 10:43:00 AM	0.021	0
Feb 15 2021 10:44:00 AM	0.021	0
Feb 15 2021 10:45:00 AM	0.021	0
Feb 15 2021 10:46:00 AM	0.022	0
Feb 15 2021 10:47:00 AM	0.023	0
Feb 15 2021 10:48:00 AM	0.024	0
Feb 15 2021 10:49:00 AM	0.023	0
Feb 15 2021 10:50:00 AM	0.022	0
Feb 15 2021 10:51:00 AM	0.021	0
Feb 15 2021 10:52:00 AM	0.02	0
Feb 15 2021 10:53:00 AM	0.02	0
Feb 15 2021 10:54:00 AM	0.02	0
Feb 15 2021 10:55:00 AM	0.019	0
Feb 15 2021 10:56:00 AM	0.019	0
Feb 15 2021 10:57:00 AM	0.019	0
Feb 15 2021 10:58:00 AM	0.019	0
Feb 15 2021 10:59:00 AM	0.018	0
Feb 15 2021 11:00:00 AM	0.018	0
Feb 15 2021 11:01:00 AM	0.018	0

Downwind CAMP Data
2921 Westchester Avenue
Remedial Investigation Report

Date/Time	Particulates (ug/m^3)	VOCs (ppm)
Feb 15 2021 11:02:00 AM	0.018	0
Feb 15 2021 11:03:00 AM	0.021	0
Feb 15 2021 11:04:00 AM	0.02	0
Feb 15 2021 11:05:00 AM	0.018	0
Feb 15 2021 11:06:00 AM	0.019	0
Feb 15 2021 11:07:00 AM	0.02	0
Feb 15 2021 11:08:00 AM	0.019	0
Feb 15 2021 11:09:00 AM	0.019	0
Feb 15 2021 11:10:00 AM	0.019	0
Feb 15 2021 11:11:00 AM	0.019	0
Feb 15 2021 11:12:00 AM	0.018	0
Feb 15 2021 11:13:00 AM	0.019	0
Feb 15 2021 11:14:00 AM	0.019	0
Feb 15 2021 11:15:00 AM	0.019	0
Feb 15 2021 11:16:00 AM	0.019	0
Feb 15 2021 11:17:00 AM	0.019	0
Feb 15 2021 11:18:00 AM	0.019	0
Feb 15 2021 11:19:00 AM	0.018	0
Feb 15 2021 11:20:00 AM	0.019	0
Feb 15 2021 11:21:00 AM	0.019	0
Feb 15 2021 11:22:00 AM	0.019	0
Feb 15 2021 11:23:00 AM	0.019	0
Feb 15 2021 11:24:00 AM	0.018	0
Feb 15 2021 11:25:00 AM	0.018	0
Feb 15 2021 11:26:00 AM	0.019	0
Feb 15 2021 11:27:00 AM	0.018	0
Feb 15 2021 11:28:00 AM	0.018	0
Feb 15 2021 11:29:00 AM	0.019	0
Feb 15 2021 11:30:00 AM	0.019	0
Feb 15 2021 11:31:00 AM	0.019	0
Feb 15 2021 11:32:00 AM	0.018	0
Feb 15 2021 11:33:00 AM	0.019	0
Feb 15 2021 11:34:00 AM	0.019	0
Feb 15 2021 11:35:00 AM	0.023	0
Feb 15 2021 11:36:00 AM	0.028	0
Feb 15 2021 11:37:00 AM	0.023	0
Feb 15 2021 11:38:00 AM	0.022	0
Feb 15 2021 11:39:00 AM	0.023	0
Feb 15 2021 11:40:00 AM	0.025	0
Feb 15 2021 11:41:00 AM	0.022	0
Feb 15 2021 11:42:00 AM	0.021	0
Feb 15 2021 11:43:00 AM	0.02	0
Feb 15 2021 11:44:00 AM	0.02	0
Feb 15 2021 11:45:00 AM	0.02	0
Feb 15 2021 11:46:00 AM	0.02	0
Feb 15 2021 11:47:00 AM	0.02	0

Downwind CAMP Data
2921 Westchester Avenue
Remedial Investigation Report

Date/Time	Particulates (ug/m^3)	VOCs (ppm)
Feb 15 2021 11:48:00 AM	0.019	0
Feb 15 2021 11:49:00 AM	0.019	0
Feb 15 2021 11:50:00 AM	0.019	0
Feb 15 2021 11:51:00 AM	0.019	0
Feb 15 2021 11:52:00 AM	0.019	0
Feb 15 2021 11:53:00 AM	0.019	0
Feb 15 2021 11:54:00 AM	0.02	0
Feb 15 2021 11:55:00 AM	0.019	0
Feb 15 2021 11:56:00 AM	0.02	0
Feb 15 2021 11:57:00 AM	0.02	0
Feb 15 2021 11:58:00 AM	0.02	0
Feb 15 2021 11:59:00 AM	0.02	0
Feb 15 2021 12:00:00 PM	0.02	0
Feb 15 2021 12:01:00 PM	0.02	0
Feb 15 2021 12:02:00 PM	0.02	0
Feb 15 2021 12:03:00 PM	0.019	0
Feb 15 2021 12:04:00 PM	0.02	0
Feb 15 2021 12:05:00 PM	0.02	0
Feb 15 2021 12:06:00 PM	0.02	0
Feb 15 2021 12:07:00 PM	0.021	0
Feb 15 2021 12:08:00 PM	0.02	0
Feb 15 2021 12:09:00 PM	0.021	0
Feb 15 2021 12:10:00 PM	0.021	0
Feb 15 2021 12:11:00 PM	0.02	0
Feb 15 2021 12:12:00 PM	0.021	0
Feb 15 2021 12:13:00 PM	0.021	0
Feb 15 2021 12:14:00 PM	0.021	0
Feb 15 2021 12:15:00 PM	0.021	0
Feb 15 2021 12:16:00 PM	0.02	0
Feb 15 2021 12:17:00 PM	0.02	0
Feb 15 2021 12:18:00 PM	0.021	0
Feb 15 2021 12:19:00 PM	0.021	0
Feb 15 2021 12:20:00 PM	0.022	0
Feb 15 2021 12:21:00 PM	0.022	0
Feb 15 2021 12:22:00 PM	0.021	0
Feb 15 2021 12:23:00 PM	0.02	0
Feb 15 2021 12:24:00 PM	0.02	0
Feb 15 2021 12:25:00 PM	0.02	0
Feb 15 2021 12:26:00 PM	0.019	0
Feb 15 2021 12:27:00 PM	0.019	0
Feb 15 2021 12:28:00 PM	0.019	0
Feb 15 2021 12:29:00 PM	0.022	0
Feb 15 2021 12:30:00 PM	0.021	0
Feb 15 2021 12:31:00 PM	0.021	0
Feb 15 2021 12:32:00 PM	0.02	0
Feb 15 2021 12:33:00 PM	0.019	0

Downwind CAMP Data
2921 Westchester Avenue
Remedial Investigation Report

Date/Time	Particulates (ug/m^3)	VOCs (ppm)
Feb 15 2021 12:34:00 PM	0.019	0
Feb 15 2021 12:35:00 PM	0.019	0
Feb 15 2021 12:36:00 PM	0.02	0
Feb 15 2021 12:37:00 PM	0.021	0
Feb 15 2021 12:38:00 PM	0.021	0
Feb 15 2021 12:39:00 PM	0.021	0
Feb 15 2021 12:40:00 PM	0.021	0
Feb 15 2021 12:41:00 PM	0.02	0
Feb 15 2021 12:42:00 PM	0.02	0
Feb 15 2021 12:43:00 PM	0.02	0
Feb 15 2021 12:44:00 PM	0.02	0
Feb 15 2021 12:45:00 PM	0.019	0
Feb 15 2021 12:46:00 PM	0.02	0
Feb 15 2021 12:47:00 PM	0.019	0
Feb 15 2021 12:48:00 PM	0.019	0
Feb 15 2021 12:49:00 PM	0.02	0
Feb 15 2021 12:50:00 PM	0.02	0
Feb 15 2021 12:51:00 PM	0.02	0
Feb 15 2021 12:52:00 PM	0.019	0
Feb 15 2021 12:53:00 PM	0.02	0
Feb 15 2021 12:54:00 PM	0.019	0
Feb 15 2021 12:55:00 PM	0.019	0
Feb 15 2021 12:56:00 PM	0.019	0
Feb 15 2021 12:57:00 PM	0.019	0
Feb 15 2021 12:58:00 PM	0.02	0
Feb 15 2021 12:59:00 PM	0.019	0
Feb 15 2021 1:00:00 PM	0.02	0
Feb 15 2021 1:01:00 PM	0.02	0
Feb 15 2021 1:02:00 PM	0.02	0
Feb 15 2021 1:03:00 PM	0.02	0
Feb 15 2021 1:04:00 PM	0.02	0
Feb 15 2021 1:05:00 PM	0.021	0
Feb 15 2021 1:06:00 PM	0.02	0
Feb 15 2021 1:07:00 PM	0.021	0
Feb 15 2021 1:08:00 PM	0.021	0
Feb 15 2021 1:09:00 PM	0.021	0
Feb 15 2021 1:10:00 PM	0.021	0
Feb 15 2021 1:11:00 PM	0.021	0
Feb 15 2021 1:12:00 PM	0.021	0
Feb 15 2021 1:13:00 PM	0.021	0
Feb 15 2021 1:14:00 PM	0.021	0
Feb 15 2021 1:15:00 PM	0.021	0
Feb 15 2021 1:16:00 PM	0.021	0
Feb 15 2021 1:17:00 PM	0.021	0
Feb 15 2021 1:18:00 PM	0.022	0
Feb 15 2021 1:19:00 PM	0.022	0

Downwind CAMP Data
2921 Westchester Avenue
Remedial Investigation Report

Date/Time	Particulates (ug/m^3)	VOCs (ppm)
Feb 15 2021 1:20:00 PM	0.022	0
Feb 15 2021 1:21:00 PM	0.022	0
Feb 15 2021 1:22:00 PM	0.022	0
Feb 15 2021 1:23:00 PM	0.022	0
Feb 15 2021 1:24:00 PM	0.021	0
Feb 15 2021 1:25:00 PM	0.022	0
Feb 15 2021 1:26:00 PM	0.022	0
Feb 15 2021 1:27:00 PM	0.021	0
Feb 15 2021 1:28:00 PM	0.022	0
Feb 15 2021 1:29:00 PM	0.023	0
Feb 15 2021 1:30:00 PM	0.022	0
Feb 15 2021 1:31:00 PM	0.023	0
Feb 15 2021 1:32:00 PM	0.023	0
Feb 15 2021 1:33:00 PM	0.023	0
Feb 15 2021 1:34:00 PM	0.024	0
Feb 15 2021 1:35:00 PM	0.024	0
Feb 15 2021 1:36:00 PM	0.023	0
Feb 15 2021 1:37:00 PM	0.023	0
Feb 15 2021 1:38:00 PM	0.023	0
Feb 15 2021 1:39:00 PM	0.024	0
Feb 15 2021 1:40:00 PM	0.024	0
Feb 15 2021 1:41:00 PM	0.023	0
Feb 15 2021 1:42:00 PM	0.023	0
Feb 15 2021 1:43:00 PM	0.023	0
Feb 15 2021 1:44:00 PM	0.023	0
Feb 15 2021 1:45:00 PM	0.023	0
Feb 15 2021 1:46:00 PM	0.023	0
Feb 15 2021 1:47:00 PM	0.025	0
Feb 15 2021 1:48:00 PM	0.024	0
Feb 15 2021 1:49:00 PM	0.023	0
Feb 15 2021 1:50:00 PM	0.024	0
Feb 15 2021 1:51:00 PM	0.025	0
Feb 15 2021 1:52:00 PM	0.025	0
Feb 15 2021 1:53:00 PM	0.025	0
Feb 15 2021 1:54:00 PM	0.025	0
Feb 15 2021 1:55:00 PM	0.025	0
Feb 15 2021 1:56:00 PM	0.025	0
Feb 15 2021 1:57:00 PM	0.025	0
Feb 15 2021 1:58:00 PM	0.025	0
Feb 15 2021 1:59:00 PM	0.026	0
Feb 15 2021 2:00:00 PM	0.026	0
Feb 15 2021 2:01:00 PM	0.025	0
Feb 15 2021 2:02:00 PM	0.026	0
Feb 15 2021 2:03:00 PM	0.026	0
Feb 15 2021 2:04:00 PM	0.026	0
Feb 15 2021 2:05:00 PM	0.027	0

Downwind CAMP Data
2921 Westchester Avenue
Remedial Investigation Report

Date/Time	Particulates (ug/m^3)	VOCs (ppm)
Feb 15 2021 2:06:00 PM	0.027	0
Feb 15 2021 2:07:00 PM	0.026	0
Feb 15 2021 2:08:00 PM	0.027	0
Feb 15 2021 2:09:00 PM	0.027	0
Feb 15 2021 2:10:00 PM	0.027	0
Feb 15 2021 2:11:00 PM	0.027	0
Feb 15 2021 2:12:00 PM	0.027	0
Feb 15 2021 2:13:00 PM	0.025	0
Feb 15 2021 2:14:00 PM	0.027	0
Feb 15 2021 2:15:00 PM	0.026	0
Feb 15 2021 2:16:00 PM	0.028	0
Feb 15 2021 2:17:00 PM	0.026	0
Feb 15 2021 2:18:00 PM	0.027	0
Feb 15 2021 2:19:00 PM	0.027	0
Feb 15 2021 2:20:00 PM	0.027	0
Feb 15 2021 2:21:00 PM	0.028	0
Feb 15 2021 2:22:00 PM	0.029	0
Feb 15 2021 2:23:00 PM	0.029	0
Feb 15 2021 2:24:00 PM	0.029	0
Feb 15 2021 2:25:00 PM	0.029	0
Feb 15 2021 2:26:00 PM	0.03	0
Feb 15 2021 2:27:00 PM	0.029	0
Feb 15 2021 2:28:00 PM	0.029	0
Feb 15 2021 2:29:00 PM	0.029	0
Feb 15 2021 2:30:00 PM	0.027	0
Feb 15 2021 2:31:00 PM	0.027	0
Feb 15 2021 2:32:00 PM	0.025	0
Feb 15 2021 2:33:00 PM	0.024	0
Feb 15 2021 2:34:00 PM	0.028	0
Feb 15 2021 2:35:00 PM	0.041	0
Feb 15 2021 2:36:00 PM	0.053	0
Feb 15 2021 2:37:00 PM	0.055	0
Feb 15 2021 2:38:00 PM	0.052	0
Feb 15 2021 2:39:00 PM	0.044	0
Feb 15 2021 2:40:00 PM	0.041	0
Feb 15 2021 2:41:00 PM	0.037	0
Feb 15 2021 2:42:00 PM	0.035	0
Feb 15 2021 2:43:00 PM	0.033	0
Feb 15 2021 2:44:00 PM	0.033	0
Feb 15 2021 2:45:00 PM	0.033	0
Feb 15 2021 2:46:00 PM	0.032	0
Feb 15 2021 2:47:00 PM	0.031	0
Feb 15 2021 2:48:00 PM	0.032	0
Feb 15 2021 2:49:00 PM	0.032	0
Feb 15 2021 2:50:00 PM	0.032	0
Feb 15 2021 2:51:00 PM	0.032	0

Downwind CAMP Data
2921 Westchester Avenue
Remedial Investigation Report

Date/Time	Particulates (ug/m^3)	VOCs (ppm)
Feb 15 2021 2:52:00 PM	0.032	0
Feb 15 2021 2:53:00 PM	0.031	0
Feb 15 2021 2:54:00 PM	0.031	0
Feb 15 2021 2:55:00 PM	0.031	0
Feb 15 2021 2:56:00 PM	0.03	0
Feb 15 2021 2:57:00 PM	0.03	0
Feb 15 2021 2:58:00 PM	0.03	0
Feb 15 2021 2:59:00 PM	0.03	0
Feb 15 2021 3:00:00 PM	0.03	0
Feb 15 2021 3:01:00 PM	0.03	0
Feb 15 2021 3:02:00 PM	0.029	0
Feb 15 2021 3:03:00 PM	0.029	0
Feb 15 2021 3:04:00 PM	0.03	0
Feb 15 2021 3:05:00 PM	0.029	0
Feb 15 2021 3:06:00 PM	0.03	0
Feb 15 2021 3:07:00 PM	0.029	0
Feb 15 2021 3:08:00 PM	0.03	0
Feb 15 2021 3:09:00 PM	0.029	0
Feb 15 2021 3:10:00 PM	0.029	0
Feb 15 2021 3:11:00 PM	0.028	0
Feb 15 2021 3:12:00 PM	0.028	0
Feb 15 2021 3:13:00 PM	0.027	0
Feb 15 2021 3:14:00 PM	0.027	0
Feb 15 2021 3:15:00 PM	0.028	0
Feb 15 2021 3:16:00 PM	0.027	0
Feb 15 2021 3:17:00 PM	0.027	0
Feb 15 2021 3:18:00 PM	0.027	0
Feb 15 2021 3:19:00 PM	0.027	0
Feb 15 2021 3:20:00 PM	0.027	0
Feb 15 2021 3:21:00 PM	0.027	0
Feb 15 2021 3:22:00 PM	0.027	0
Feb 15 2021 3:23:00 PM	0.027	0
Feb 15 2021 3:24:00 PM	0.027	0
Feb 15 2021 3:25:00 PM	0.027	0
Feb 15 2021 3:26:00 PM	0.027	0
Feb 15 2021 3:27:00 PM	0.028	0
Feb 15 2021 3:28:00 PM	0.027	0
Feb 15 2021 3:29:00 PM	0.028	0
Feb 15 2021 3:30:00 PM	0.029	0
Feb 15 2021 3:31:00 PM	0.027	0
Feb 15 2021 3:32:00 PM	0.027	0
Feb 15 2021 3:33:00 PM	0.027	0
Feb 15 2021 3:34:00 PM	0.027	0
Feb 15 2021 3:35:00 PM	0.028	0
Feb 15 2021 3:36:00 PM	0.027	0
Feb 15 2021 3:37:00 PM	0.027	0

Downwind CAMP Data
2921 Westchester Avenue
Remedial Investigation Report

Date/Time	Particulates (ug/m^3)	VOCs (ppm)
Feb 15 2021 3:38:00 PM	0.027	0
Feb 15 2021 3:39:00 PM	0.027	0
Feb 15 2021 3:40:00 PM	0.027	0
Feb 15 2021 3:41:00 PM	0.028	0
Feb 15 2021 3:42:00 PM	0.027	0
Feb 15 2021 3:43:00 PM	0.027	0
Feb 15 2021 3:44:00 PM	0.026	0
Feb 15 2021 3:45:00 PM	0.027	0
Feb 15 2021 3:46:00 PM	0.027	0
Feb 15 2021 3:47:00 PM	0.027	0
Feb 15 2021 3:48:00 PM	0.027	0
Feb 15 2021 3:49:00 PM	0.027	0
Feb 15 2021 3:50:00 PM	0.027	0
Feb 15 2021 3:51:00 PM	0.029	0
Feb 15 2021 3:52:00 PM	0.041	0
Feb 15 2021 3:53:00 PM	0.034	0
Feb 15 2021 3:54:00 PM	0.032	0
Feb 15 2021 3:55:00 PM	0.031	0
Feb 15 2021 3:56:00 PM	0.031	0
Feb 15 2021 3:57:00 PM	0.031	0
Feb 15 2021 3:58:00 PM	0.031	0
Feb 15 2021 3:59:00 PM	0.03	0
Feb 15 2021 4:00:00 PM	0.03	0
Feb 15 2021 4:01:00 PM	0.029	0
Feb 15 2021 4:02:00 PM	0.029	0
Feb 15 2021 4:03:00 PM	0.029	0
Feb 15 2021 4:04:00 PM	0.031	0
Feb 15 2021 4:05:00 PM	0.031	0
Feb 15 2021 4:06:00 PM	0.03	0
Feb 15 2021 4:07:00 PM	0.029	0
Feb 15 2021 4:08:00 PM	0.029	0
Feb 15 2021 4:09:00 PM	0.028	0
Feb 15 2021 4:10:00 PM	0.028	0
Feb 15 2021 4:11:00 PM	0.03	0
Feb 15 2021 4:12:00 PM	0.03	0
Feb 15 2021 4:13:00 PM	0.028	0
Feb 15 2021 4:14:00 PM	0.028	0
Feb 15 2021 4:15:00 PM	0.029	0
Feb 15 2021 4:16:00 PM	0.029	0
Feb 15 2021 4:17:00 PM	0.029	0
Feb 15 2021 4:18:00 PM	0.029	0
Feb 15 2021 4:19:00 PM	0.029	0
Feb 15 2021 4:20:00 PM	0.03	0
Feb 15 2021 4:21:00 PM	0.029	0
Feb 15 2021 4:22:00 PM	0.029	
Feb 15 2021 4:23:00 PM	0.028	

Downwind CAMP Data
2921 Westchester Avenue
Remedial Investigation Report

Date/Time	Particulates (ug/m^3)	VOCs (ppm)
Feb 15 2021 4:24:00 PM	0.029	
Feb 15 2021 4:25:00 PM	0.03	
Feb 15 2021 4:26:00 PM	0.03	
Feb 15 2021 4:27:00 PM	0.029	
Feb 15 2021 4:28:00 PM	0.03	
Feb 15 2021 4:29:00 PM	0.032	
Feb 16 2021 9:17:00 AM	0.015	0
Feb 16 2021 9:18:00 AM	0.014	0
Feb 16 2021 9:19:00 AM	0.013	0
Feb 16 2021 9:20:00 AM	0.014	0
Feb 16 2021 9:21:00 AM	0.014	0
Feb 16 2021 9:22:00 AM	0.015	0
Feb 16 2021 9:23:00 AM	0.015	0
Feb 16 2021 9:24:00 AM	0.014	0
Feb 16 2021 9:25:00 AM	0.014	0
Feb 16 2021 9:26:00 AM	0.014	0
Feb 16 2021 9:27:00 AM	0.014	0
Feb 16 2021 9:28:00 AM	0.013	0
Feb 16 2021 9:29:00 AM	0.013	0
Feb 16 2021 9:30:00 AM	0.013	0
Feb 16 2021 9:31:00 AM	0.014	0
Feb 16 2021 9:32:00 AM	0.013	0
Feb 16 2021 9:33:00 AM	0.014	0
Feb 16 2021 9:34:00 AM	0.014	0
Feb 16 2021 9:35:00 AM	0.014	0
Feb 16 2021 9:36:00 AM	0.015	0
Feb 16 2021 9:37:00 AM	0.014	0
Feb 16 2021 9:38:00 AM	0.015	0
Feb 16 2021 9:39:00 AM	0.014	0
Feb 16 2021 9:40:00 AM	0.015	0
Feb 16 2021 9:41:00 AM	0.016	0
Feb 16 2021 9:42:00 AM	0.016	0
Feb 16 2021 9:43:00 AM	0.016	0
Feb 16 2021 9:44:00 AM	0.016	0
Feb 16 2021 9:45:00 AM	0.016	0
Feb 16 2021 9:46:00 AM	0.017	0
Feb 16 2021 9:47:00 AM	0.018	0
Feb 16 2021 9:48:00 AM	0.018	0
Feb 16 2021 9:49:00 AM	0.018	0
Feb 16 2021 9:50:00 AM	0.019	0
Feb 16 2021 9:51:00 AM	0.019	0
Feb 16 2021 9:52:00 AM	0.019	0
Feb 16 2021 9:53:00 AM	0.019	0
Feb 16 2021 9:54:00 AM	0.019	0
Feb 16 2021 9:55:00 AM	0.019	0
Feb 16 2021 9:56:00 AM	0.019	0

Downwind CAMP Data
2921 Westchester Avenue
Remedial Investigation Report

Date/Time	Particulates (ug/m^3)	VOCs (ppm)
Feb 16 2021 9:57:00 AM	0.02	0
Feb 16 2021 9:58:00 AM	0.02	0
Feb 16 2021 9:59:00 AM	0.02	0
Feb 16 2021 10:00:00 AM	0.02	0
Feb 16 2021 10:01:00 AM	0.019	0
Feb 16 2021 10:02:00 AM	0.019	0
Feb 16 2021 10:03:00 AM	0.019	0
Feb 16 2021 10:04:00 AM	0.019	0
Feb 16 2021 10:05:00 AM	0.019	0
Feb 16 2021 10:06:00 AM	0.02	0
Feb 16 2021 10:07:00 AM	0.02	0
Feb 16 2021 10:08:00 AM	0.02	0
Feb 16 2021 10:09:00 AM	0.021	0
Feb 16 2021 10:10:00 AM	0.022	0
Feb 16 2021 10:11:00 AM	0.022	0
Feb 16 2021 10:12:00 AM	0.023	0
Feb 16 2021 10:13:00 AM	0.022	0
Feb 16 2021 10:14:00 AM	0.022	0
Feb 16 2021 10:15:00 AM	0.022	0
Feb 16 2021 10:16:00 AM	0.022	0
Feb 16 2021 10:17:00 AM	0.022	0
Feb 16 2021 10:18:00 AM	0.021	0
Feb 16 2021 10:19:00 AM	0.021	0
Feb 16 2021 10:20:00 AM	0.022	0
Feb 16 2021 10:21:00 AM	0.022	0
Feb 16 2021 10:22:00 AM	0.022	0
Feb 16 2021 10:23:00 AM	0.022	0
Feb 16 2021 10:24:00 AM	0.021	0
Feb 16 2021 10:25:00 AM	0.021	0
Feb 16 2021 10:26:00 AM	0.021	0
Feb 16 2021 10:27:00 AM	0.021	0
Feb 16 2021 10:28:00 AM	0.021	0
Feb 16 2021 10:29:00 AM	0.021	0
Feb 16 2021 10:30:00 AM	0.021	0
Feb 18 2022 8:00:00 AM	0.01	0
Feb 18 2022 8:15:00 AM	0	0
Feb 18 2022 8:30:00 AM	0.004	0
Feb 18 2022 8:45:00 AM	0.007	0
Feb 18 2022 9:00:00 AM	0	0
Feb 18 2022 9:15:00 AM	0.002	0
Feb 18 2022 9:30:00 AM	0.002	0
Feb 18 2022 9:45:00 AM	0	0
Feb 18 2022 10:00:00 AM	0.001	0
Feb 18 2022 10:15:00 AM	0.002	0
Feb 18 2022 10:30:00 AM	0.001	0
Feb 18 2022 10:45:00 AM	0	0

Downwind CAMP Data
2921 Westchester Avenue
Remedial Investigation Report

Date/Time	Particulates (ug/m^3)	VOCs (ppm)
Feb 18 2022 11:00:00 AM	0	0
Feb 18 2022 11:15:00 AM	0.003	0
Feb 18 2022 11:30:00 AM	0	0
Feb 18 2022 11:45:00 AM	0	0
Feb 18 2022 12:00:00 PM	0	0
Feb 18 2022 12:15:00 PM	0.025	0
Feb 18 2022 12:30:00 PM	0.005	0
Feb 18 2022 12:45:00 PM	0	0
Feb 18 2022 1:00:00 PM	0.001	0
May 26 2022 5:00:00 PM	0	0
May 26 2022 5:15:00 PM	0.012	0
May 26 2022 5:30:00 PM	0.015	0
May 26 2022 5:45:00 PM	0.022	0
May 26 2022 6:00:00 PM	0.037	0
May 26 2022 6:15:00 PM	0.018	0
May 26 2022 6:30:00 PM	0.015	0
May 26 2022 6:45:00 PM	0.005	0
May 26 2022 7:00:00 PM	0.043	0
May 26 2022 7:15:00 PM	0.033	0
May 26 2022 7:30:00 PM	0.019	0
May 26 2022 7:45:00 PM	0.031	0
May 26 2022 8:00:00 PM	0.051	0
May 26 2022 8:15:00 PM	0.031	0
May 26 2022 8:30:00 PM	0.022	0
May 26 2022 8:45:00 PM	0.013	0
May 26 2022 9:00:00 PM	0.009	0

Upwind CAMP Data
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Remedial Investigation Report

Date/Time	Particulates (ug/m^3)	VOCs (ppm)
Feb 15 2021 9:30:00 AM	0	0
Feb 15 2021 9:31:00 AM	0.013	0
Feb 15 2021 9:32:00 AM	0.018	0
Feb 15 2021 9:33:00 AM	0.018	0
Feb 15 2021 9:34:00 AM	0.017	0
Feb 15 2021 9:35:00 AM	0.021	0
Feb 15 2021 9:36:00 AM	0.031	0
Feb 15 2021 9:37:00 AM	0.029	0
Feb 15 2021 9:38:00 AM	0.029	0
Feb 15 2021 9:39:00 AM	0.025	0
Feb 15 2021 9:40:00 AM	0.023	0
Feb 15 2021 9:41:00 AM	0.022	0
Feb 15 2021 9:42:00 AM	0.021	0
Feb 15 2021 9:43:00 AM	0.02	0
Feb 15 2021 9:44:00 AM	0.02	0
Feb 15 2021 9:45:00 AM	0.02	0
Feb 15 2021 9:46:00 AM	0.02	0
Feb 15 2021 9:47:00 AM	0.02	0
Feb 15 2021 9:48:00 AM	0.019	0
Feb 15 2021 9:49:00 AM	0.019	0
Feb 15 2021 9:50:00 AM	0.019	0
Feb 15 2021 9:51:00 AM	0.019	0
Feb 15 2021 9:52:00 AM	0.019	0
Feb 15 2021 9:53:00 AM	0.019	0
Feb 15 2021 9:54:00 AM	0.018	0
Feb 15 2021 9:55:00 AM	0.019	0
Feb 15 2021 9:56:00 AM	0.018	0
Feb 15 2021 9:57:00 AM	0.018	0
Feb 15 2021 9:58:00 AM	0.019	0
Feb 15 2021 9:59:00 AM	0.021	0
Feb 15 2021 10:00:00 AM	0.024	0
Feb 15 2021 10:01:00 AM	0.027	0
Feb 15 2021 10:02:00 AM	0.024	0
Feb 15 2021 10:03:00 AM	0.024	0
Feb 15 2021 10:04:00 AM	0.023	0
Feb 15 2021 10:05:00 AM	0.022	0
Feb 15 2021 10:06:00 AM	0.021	0
Feb 15 2021 10:07:00 AM	0.021	0
Feb 15 2021 10:08:00 AM	0.021	0
Feb 15 2021 10:09:00 AM	0.021	0
Feb 15 2021 10:10:00 AM	0.023	0
Feb 15 2021 10:11:00 AM	0.025	0
Feb 15 2021 10:12:00 AM	0.023	0
Feb 15 2021 10:13:00 AM	0.022	0
Feb 15 2021 10:14:00 AM	0.022	0
Feb 15 2021 10:15:00 AM	0.021	0

Upwind CAMP Data
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Date/Time	Particulates (ug/m^3)	VOCs (ppm)
Feb 15 2021 10:16:00 AM	0.022	0
Feb 15 2021 10:17:00 AM	0.02	0
Feb 15 2021 10:18:00 AM	0.021	0
Feb 15 2021 10:19:00 AM	0.02	0
Feb 15 2021 10:20:00 AM	0.02	0
Feb 15 2021 10:21:00 AM	0.02	0
Feb 15 2021 10:22:00 AM	0.02	0
Feb 15 2021 10:23:00 AM	0.02	0
Feb 15 2021 10:24:00 AM	0.02	0
Feb 15 2021 10:25:00 AM	0.02	0
Feb 15 2021 10:26:00 AM	0.02	0
Feb 15 2021 10:27:00 AM	0.021	0
Feb 15 2021 10:28:00 AM	0.02	0
Feb 15 2021 10:29:00 AM	0.019	0
Feb 15 2021 10:30:00 AM	0.02	0
Feb 15 2021 10:31:00 AM	0.019	0
Feb 15 2021 10:32:00 AM	0.019	0
Feb 15 2021 10:33:00 AM	0.02	0
Feb 15 2021 10:34:00 AM	0.021	0
Feb 15 2021 10:35:00 AM	0.021	0
Feb 15 2021 10:36:00 AM	0.02	0
Feb 15 2021 10:37:00 AM	0.019	0
Feb 15 2021 10:38:00 AM	0.02	0
Feb 15 2021 10:39:00 AM	0.02	0
Feb 15 2021 10:40:00 AM	0.02	0
Feb 15 2021 10:41:00 AM	0.019	0
Feb 15 2021 10:42:00 AM	0.019	0
Feb 15 2021 10:43:00 AM	0.019	0
Feb 15 2021 10:44:00 AM	0.019	0
Feb 15 2021 10:45:00 AM	0.019	0
Feb 15 2021 10:46:00 AM	0.02	0
Feb 15 2021 10:47:00 AM	0.02	0
Feb 15 2021 10:48:00 AM	0.024	0
Feb 15 2021 10:49:00 AM	0.024	0
Feb 15 2021 10:50:00 AM	0.022	0
Feb 15 2021 10:51:00 AM	0.021	0
Feb 15 2021 10:52:00 AM	0.021	0
Feb 15 2021 10:53:00 AM	0.02	0
Feb 15 2021 10:54:00 AM	0.02	0
Feb 15 2021 10:55:00 AM	0.018	0
Feb 15 2021 10:56:00 AM	0.019	0
Feb 15 2021 10:57:00 AM	0.019	0
Feb 15 2021 10:58:00 AM	0.019	0
Feb 15 2021 10:59:00 AM	0.019	0
Feb 15 2021 11:00:00 AM	0.019	0
Feb 15 2021 11:01:00 AM	0.018	0

Upwind CAMP Data
2921 Westchester Avenue
Remedial Investigation Report

Date/Time	Particulates (ug/m^3)	VOCs (ppm)
Feb 15 2021 11:02:00 AM	0.018	0
Feb 15 2021 11:03:00 AM	0.018	0
Feb 15 2021 11:04:00 AM	0.018	0
Feb 15 2021 11:05:00 AM	0.018	0
Feb 15 2021 11:06:00 AM	0.019	0
Feb 15 2021 11:07:00 AM	0.019	0
Feb 15 2021 11:08:00 AM	0.019	0
Feb 15 2021 11:09:00 AM	0.018	0
Feb 15 2021 11:10:00 AM	0.019	0
Feb 15 2021 11:11:00 AM	0.019	0
Feb 15 2021 11:12:00 AM	0.019	0
Feb 15 2021 11:13:00 AM	0.021	0
Feb 15 2021 11:14:00 AM	0.021	0
Feb 15 2021 11:15:00 AM	0.023	0
Feb 15 2021 11:16:00 AM	0.022	0
Feb 15 2021 11:17:00 AM	0.023	0
Feb 15 2021 11:18:00 AM	0.02	0
Feb 15 2021 11:19:00 AM	0.023	0
Feb 15 2021 11:20:00 AM	0.02	0
Feb 15 2021 11:21:00 AM	0.025	0
Feb 15 2021 11:22:00 AM	0.027	0
Feb 15 2021 11:23:00 AM	0.027	0
Feb 15 2021 11:24:00 AM	0.028	0
Feb 15 2021 11:25:00 AM	0.027	0
Feb 15 2021 11:26:00 AM	0.028	0
Feb 15 2021 11:27:00 AM	0.029	0
Feb 15 2021 11:28:00 AM	0.028	0
Feb 15 2021 11:29:00 AM	0.032	0
Feb 15 2021 11:30:00 AM	0.026	0
Feb 15 2021 11:31:00 AM	0.028	0
Feb 15 2021 11:32:00 AM	0.029	0
Feb 15 2021 11:33:00 AM	0.028	0
Feb 15 2021 11:34:00 AM	0.026	0
Feb 15 2021 11:35:00 AM	0.03	0
Feb 15 2021 11:36:00 AM	0.025	0
Feb 15 2021 11:37:00 AM	0.022	0
Feb 15 2021 11:38:00 AM	0.022	0
Feb 15 2021 11:39:00 AM	0.021	0
Feb 15 2021 11:40:00 AM	0.023	0
Feb 15 2021 11:41:00 AM	0.024	0
Feb 15 2021 11:42:00 AM	0.022	0
Feb 15 2021 11:43:00 AM	0.02	0
Feb 15 2021 11:44:00 AM	0.02	0
Feb 15 2021 11:45:00 AM	0.02	0
Feb 15 2021 11:46:00 AM	0.02	0
Feb 15 2021 11:47:00 AM	0.02	0

Upwind CAMP Data
2921 Westchester Avenue
Remedial Investigation Report

Date/Time	Particulates (ug/m^3)	VOCs (ppm)
Feb 15 2021 11:48:00 AM	0.019	0
Feb 15 2021 11:49:00 AM	0.019	0
Feb 15 2021 11:50:00 AM	0.019	0
Feb 15 2021 11:51:00 AM	0.019	0
Feb 15 2021 11:52:00 AM	0.019	0
Feb 15 2021 11:53:00 AM	0.019	0
Feb 15 2021 11:54:00 AM	0.018	0
Feb 15 2021 11:55:00 AM	0.019	0
Feb 15 2021 11:56:00 AM	0.019	0
Feb 15 2021 11:57:00 AM	0.019	0
Feb 15 2021 11:58:00 AM	0.019	0
Feb 15 2021 11:59:00 AM	0.019	0
Feb 15 2021 12:00:00 PM	0.02	0
Feb 15 2021 12:01:00 PM	0.022	0
Feb 15 2021 12:02:00 PM	0.026	0
Feb 15 2021 12:03:00 PM	0.023	0
Feb 15 2021 12:04:00 PM	0.02	0
Feb 15 2021 12:05:00 PM	0.021	0
Feb 15 2021 12:06:00 PM	0.023	0
Feb 15 2021 12:07:00 PM	0.027	0
Feb 15 2021 12:08:00 PM	0.024	0
Feb 15 2021 12:09:00 PM	0.026	0
Feb 15 2021 12:10:00 PM	0.031	0
Feb 15 2021 12:11:00 PM	0.026	0
Feb 15 2021 12:12:00 PM	0.025	0
Feb 15 2021 12:13:00 PM	0.03	0
Feb 15 2021 12:14:00 PM	0.028	0
Feb 15 2021 12:15:00 PM	0.024	0
Feb 15 2021 12:16:00 PM	0.028	0
Feb 15 2021 12:17:00 PM	0.027	0
Feb 15 2021 12:18:00 PM	0.026	0
Feb 15 2021 12:19:00 PM	0.025	0
Feb 15 2021 12:20:00 PM	0.023	0
Feb 15 2021 12:21:00 PM	0.023	0
Feb 15 2021 12:22:00 PM	0.023	0
Feb 15 2021 12:23:00 PM	0.022	0
Feb 15 2021 12:24:00 PM	0.021	0
Feb 15 2021 12:25:00 PM	0.021	0
Feb 15 2021 12:26:00 PM	0.021	0
Feb 15 2021 12:27:00 PM	0.021	0
Feb 15 2021 12:28:00 PM	0.021	0
Feb 15 2021 12:29:00 PM	0.021	0
Feb 15 2021 12:30:00 PM	0.02	0
Feb 15 2021 12:31:00 PM	0.02	0
Feb 15 2021 12:32:00 PM	0.02	0
Feb 15 2021 12:33:00 PM	0.019	0

Upwind CAMP Data
2921 Westchester Avenue
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Date/Time	Particulates (ug/m^3)	VOCs (ppm)
Feb 15 2021 12:34:00 PM	0.019	0
Feb 15 2021 12:35:00 PM	0.019	0
Feb 15 2021 12:36:00 PM	0.019	0
Feb 15 2021 12:37:00 PM	0.019	0
Feb 15 2021 12:38:00 PM	0.019	0
Feb 15 2021 12:39:00 PM	0.02	0
Feb 15 2021 12:40:00 PM	0.02	0
Feb 15 2021 12:41:00 PM	0.02	0
Feb 15 2021 12:42:00 PM	0.019	0
Feb 15 2021 12:43:00 PM	0.02	0
Feb 15 2021 12:44:00 PM	0.019	0
Feb 15 2021 12:45:00 PM	0.019	0
Feb 15 2021 12:46:00 PM	0.019	0
Feb 15 2021 12:47:00 PM	0.019	0
Feb 15 2021 12:48:00 PM	0.019	0
Feb 15 2021 12:49:00 PM	0.019	0
Feb 15 2021 12:50:00 PM	0.019	0
Feb 15 2021 12:51:00 PM	0.019	0
Feb 15 2021 12:52:00 PM	0.019	0
Feb 15 2021 12:53:00 PM	0.019	0
Feb 15 2021 12:54:00 PM	0.019	0
Feb 15 2021 12:55:00 PM	0.019	0
Feb 15 2021 12:56:00 PM	0.019	0
Feb 15 2021 12:57:00 PM	0.019	0
Feb 15 2021 12:58:00 PM	0.019	0
Feb 15 2021 12:59:00 PM	0.019	0
Feb 15 2021 1:00:00 PM	0.02	0
Feb 15 2021 1:01:00 PM	0.021	0
Feb 15 2021 1:02:00 PM	0.022	0
Feb 15 2021 1:03:00 PM	0.021	0
Feb 15 2021 1:04:00 PM	0.024	0
Feb 15 2021 1:05:00 PM	0.025	0
Feb 15 2021 1:06:00 PM	0.025	0
Feb 15 2021 1:07:00 PM	0.027	0
Feb 15 2021 1:08:00 PM	0.027	0
Feb 15 2021 1:09:00 PM	0.026	0
Feb 15 2021 1:10:00 PM	0.026	0
Feb 15 2021 1:11:00 PM	0.028	0
Feb 15 2021 1:12:00 PM	0.03	0
Feb 15 2021 1:13:00 PM	0.027	0
Feb 15 2021 1:14:00 PM	0.024	0
Feb 15 2021 1:15:00 PM	0.026	0
Feb 15 2021 1:16:00 PM	0.029	0
Feb 15 2021 1:17:00 PM	0.028	0
Feb 15 2021 1:18:00 PM	0.026	0
Feb 15 2021 1:19:00 PM	0.031	0

Upwind CAMP Data
2921 Westchester Avenue
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Date/Time	Particulates (ug/m^3)	VOCs (ppm)
Feb 15 2021 1:20:00 PM	0.031	0
Feb 15 2021 1:21:00 PM	0.034	0
Feb 15 2021 1:22:00 PM	0.034	0
Feb 15 2021 1:23:00 PM	0.036	0
Feb 15 2021 1:24:00 PM	0.038	0
Feb 15 2021 1:25:00 PM	0.036	0
Feb 15 2021 1:26:00 PM	0.037	0
Feb 15 2021 1:27:00 PM	0.035	0
Feb 15 2021 1:28:00 PM	0.036	0
Feb 15 2021 1:29:00 PM	0.036	0
Feb 15 2021 1:30:00 PM	0.037	0
Feb 15 2021 1:31:00 PM	0.037	0
Feb 15 2021 1:32:00 PM	0.033	0
Feb 15 2021 1:33:00 PM	0.03	0
Feb 15 2021 1:34:00 PM	0.036	0
Feb 15 2021 1:35:00 PM	0.036	0
Feb 15 2021 1:36:00 PM	0.035	0
Feb 15 2021 1:37:00 PM	0.031	0
Feb 15 2021 1:38:00 PM	0.032	0
Feb 15 2021 1:39:00 PM	0.035	0
Feb 15 2021 1:40:00 PM	0.036	0
Feb 15 2021 1:41:00 PM	0.034	0
Feb 15 2021 1:42:00 PM	0.033	0
Feb 15 2021 1:43:00 PM	0.035	0
Feb 15 2021 1:44:00 PM	0.036	0
Feb 15 2021 1:45:00 PM	0.031	0
Feb 15 2021 1:46:00 PM	0.036	0
Feb 15 2021 1:47:00 PM	0.035	0
Feb 15 2021 1:48:00 PM	0.034	0
Feb 15 2021 1:49:00 PM	0.033	0
Feb 15 2021 1:50:00 PM	0.038	0
Feb 15 2021 1:51:00 PM	0.037	0
Feb 15 2021 1:52:00 PM	0.038	0
Feb 15 2021 1:53:00 PM	0.035	0
Feb 15 2021 1:54:00 PM	0.033	0
Feb 15 2021 1:55:00 PM	0.033	0
Feb 15 2021 1:56:00 PM	0.032	0
Feb 15 2021 1:57:00 PM	0.032	0
Feb 15 2021 1:58:00 PM	0.035	0
Feb 15 2021 1:59:00 PM	0.036	0
Feb 15 2021 2:00:00 PM	0.032	0
Feb 15 2021 2:01:00 PM	0.034	0
Feb 15 2021 2:02:00 PM	0.034	0
Feb 15 2021 2:03:00 PM	0.031	0
Feb 15 2021 2:04:00 PM	0.032	0
Feb 15 2021 2:05:00 PM	0.034	0

Upwind CAMP Data
2921 Westchester Avenue
Remedial Investigation Report

Date/Time	Particulates (ug/m^3)	VOCs (ppm)
Feb 15 2021 2:06:00 PM	0.033	0
Feb 15 2021 2:07:00 PM	0.031	0
Feb 15 2021 2:08:00 PM	0.031	0
Feb 15 2021 2:09:00 PM	0.03	0
Feb 15 2021 2:10:00 PM	0.031	0
Feb 15 2021 2:11:00 PM	0.032	0
Feb 15 2021 2:12:00 PM	0.031	0
Feb 15 2021 2:13:00 PM	0.032	0
Feb 15 2021 2:14:00 PM	0.032	0
Feb 15 2021 2:15:00 PM	0.033	0
Feb 15 2021 2:16:00 PM	0.032	0
Feb 15 2021 2:17:00 PM	0.033	0
Feb 15 2021 2:18:00 PM	0.032	0
Feb 15 2021 2:19:00 PM	0.032	0
Feb 15 2021 2:20:00 PM	0.032	0
Feb 15 2021 2:21:00 PM	0.032	0
Feb 15 2021 2:22:00 PM	0.032	0
Feb 15 2021 2:23:00 PM	0.031	0
Feb 15 2021 2:24:00 PM	0.031	0
Feb 15 2021 2:25:00 PM	0.03	0
Feb 15 2021 2:26:00 PM	0.031	0
Feb 15 2021 2:27:00 PM	0.03	0
Feb 15 2021 2:28:00 PM	0.031	0
Feb 15 2021 2:29:00 PM	0.03	0
Feb 15 2021 2:30:00 PM	0.029	0
Feb 15 2021 2:31:00 PM	0.028	0
Feb 15 2021 2:32:00 PM	0.027	0
Feb 15 2021 2:33:00 PM	0.027	0
Feb 15 2021 2:34:00 PM	0.027	0
Feb 15 2021 2:35:00 PM	0.033	0
Feb 15 2021 2:36:00 PM	0.042	0
Feb 15 2021 2:37:00 PM	0.036	0
Feb 15 2021 2:38:00 PM	0.034	0
Feb 15 2021 2:39:00 PM	0.033	0
Feb 15 2021 2:40:00 PM	0.032	0
Feb 15 2021 2:41:00 PM	0.03	0
Feb 15 2021 2:42:00 PM	0.03	0
Feb 15 2021 2:43:00 PM	0.029	0
Feb 15 2021 2:44:00 PM	0.028	0
Feb 15 2021 2:45:00 PM	0.029	0
Feb 15 2021 2:46:00 PM	0.029	0
Feb 15 2021 2:47:00 PM	0.028	0
Feb 15 2021 2:48:00 PM	0.028	0
Feb 15 2021 2:49:00 PM	0.027	0
Feb 15 2021 2:50:00 PM	0.027	0
Feb 15 2021 2:51:00 PM	0.028	0

Upwind CAMP Data
2921 Westchester Avenue
Remedial Investigation Report

Date/Time	Particulates (ug/m^3)	VOCs (ppm)
Feb 15 2021 2:52:00 PM	0.027	0
Feb 15 2021 2:53:00 PM	0.027	0
Feb 15 2021 2:54:00 PM	0.027	0
Feb 15 2021 2:55:00 PM	0.025	0
Feb 15 2021 2:56:00 PM	0.027	0
Feb 15 2021 2:57:00 PM	0.026	0
Feb 15 2021 2:58:00 PM	0.026	0
Feb 15 2021 2:59:00 PM	0.025	0
Feb 15 2021 3:00:00 PM	0.025	0
Feb 15 2021 3:01:00 PM	0.026	0
Feb 15 2021 3:02:00 PM	0.027	0
Feb 15 2021 3:03:00 PM	0.026	0
Feb 15 2021 3:04:00 PM	0.027	0
Feb 15 2021 3:05:00 PM	0.027	0
Feb 15 2021 3:06:00 PM	0.027	0
Feb 15 2021 3:07:00 PM	0.026	0
Feb 15 2021 3:08:00 PM	0.026	0
Feb 15 2021 3:09:00 PM	0.025	0
Feb 15 2021 3:10:00 PM	0.025	0
Feb 15 2021 3:11:00 PM	0.025	0
Feb 15 2021 3:12:00 PM	0.024	0
Feb 15 2021 3:13:00 PM	0.024	0
Feb 15 2021 3:14:00 PM	0.024	0
Feb 15 2021 3:15:00 PM	0.024	0
Feb 15 2021 3:16:00 PM	0.024	0
Feb 15 2021 3:17:00 PM	0.023	0
Feb 15 2021 3:18:00 PM	0.024	0
Feb 15 2021 3:19:00 PM	0.023	0
Feb 15 2021 3:20:00 PM	0.023	0
Feb 15 2021 3:21:00 PM	0.025	0
Feb 15 2021 3:22:00 PM	0.032	0
Feb 15 2021 3:23:00 PM	0.028	0
Feb 15 2021 3:24:00 PM	0.027	0
Feb 15 2021 3:25:00 PM	0.024	0
Feb 15 2021 3:26:00 PM	0.023	0
Feb 15 2021 3:27:00 PM	0.024	0
Feb 15 2021 3:28:00 PM	0.025	0
Feb 15 2021 3:29:00 PM	0.025	0
Feb 15 2021 3:30:00 PM	0.026	0
Feb 15 2021 3:31:00 PM	0.025	0
Feb 15 2021 3:32:00 PM	0.026	0
Feb 15 2021 3:33:00 PM	0.027	0
Feb 15 2021 3:34:00 PM	0.026	0
Feb 15 2021 3:35:00 PM	0.026	0
Feb 15 2021 3:36:00 PM	0.026	0
Feb 15 2021 3:37:00 PM	0.026	0

Upwind CAMP Data
2921 Westchester Avenue
Remedial Investigation Report

Date/Time	Particulates (ug/m^3)	VOCs (ppm)
Feb 15 2021 3:38:00 PM	0.026	0
Feb 15 2021 3:39:00 PM	0.026	0
Feb 15 2021 3:40:00 PM	0.028	0
Feb 15 2021 3:41:00 PM	0.026	0
Feb 15 2021 3:42:00 PM	0.026	0
Feb 15 2021 3:43:00 PM	0.026	0
Feb 15 2021 3:44:00 PM	0.026	0
Feb 15 2021 3:45:00 PM	0.026	0
Feb 15 2021 3:46:00 PM	0.026	0
Feb 15 2021 3:47:00 PM	0.025	0
Feb 15 2021 3:48:00 PM	0.025	0
Feb 15 2021 3:49:00 PM	0.026	0
Feb 15 2021 3:50:00 PM	0.026	0
Feb 15 2021 3:51:00 PM	0.026	0
Feb 15 2021 3:52:00 PM	0.026	0
Feb 15 2021 3:53:00 PM	0.028	0
Feb 15 2021 3:54:00 PM	0.029	0
Feb 15 2021 3:55:00 PM	0.028	0
Feb 15 2021 3:56:00 PM	0.027	0
Feb 15 2021 3:57:00 PM	0.026	0
Feb 15 2021 3:58:00 PM	0.026	0
Feb 15 2021 3:59:00 PM	0.026	0
Feb 15 2021 4:00:00 PM	0.026	0
Feb 15 2021 4:01:00 PM	0.026	0
Feb 15 2021 4:02:00 PM	0.026	0
Feb 15 2021 4:03:00 PM	0.025	0
Feb 15 2021 4:04:00 PM	0.03	0
Feb 15 2021 4:05:00 PM	0.031	0
Feb 15 2021 4:06:00 PM	0.026	0
Feb 15 2021 4:07:00 PM	0.027	0
Feb 15 2021 4:08:00 PM	0.028	0
Feb 15 2021 4:09:00 PM	0.027	0
Feb 15 2021 4:10:00 PM	0.026	0
Feb 15 2021 4:11:00 PM	0.026	0
Feb 15 2021 4:12:00 PM	0.027	0
Feb 15 2021 4:13:00 PM	0.027	0
Feb 15 2021 4:14:00 PM	0.027	0
Feb 15 2021 4:15:00 PM	0.028	0
Feb 15 2021 4:16:00 PM	0.026	0
Feb 15 2021 4:17:00 PM	0.026	0
Feb 15 2021 4:18:00 PM	0.026	0
Feb 15 2021 4:19:00 PM	0.027	0
Feb 15 2021 4:20:00 PM	0.027	0
Feb 15 2021 4:21:00 PM	0.027	0
Feb 15 2021 4:22:00 PM	0.028	0
Feb 15 2021 4:23:00 PM	0.027	

Upwind CAMP Data
2921 Westchester Avenue
Remedial Investigation Report

Date/Time	Particulates (ug/m^3)	VOCs (ppm)
Feb 15 2021 4:24:00 PM	0.028	
Feb 15 2021 4:25:00 PM	0.028	
Feb 15 2021 4:26:00 PM	0.027	
Feb 15 2021 4:27:00 PM	0.028	
Feb 15 2021 4:28:00 PM	0.028	
Feb 15 2021 4:29:00 PM	0.028	
Feb 16 2021 9:17:00 AM	0.021	0
Feb 16 2021 9:18:00 AM	0.023	0
Feb 16 2021 9:19:00 AM	0.023	0
Feb 16 2021 9:20:00 AM	0.024	0
Feb 16 2021 9:21:00 AM	0.024	0
Feb 16 2021 9:22:00 AM	0.024	0
Feb 16 2021 9:23:00 AM	0.023	0
Feb 16 2021 9:24:00 AM	0.024	0
Feb 16 2021 9:25:00 AM	0.025	0
Feb 16 2021 9:26:00 AM	0.025	0
Feb 16 2021 9:27:00 AM	0.026	0.003
Feb 16 2021 9:28:00 AM	0.026	0.004
Feb 16 2021 9:29:00 AM	0.024	0.006
Feb 16 2021 9:30:00 AM	0.025	0.007
Feb 16 2021 9:31:00 AM	0.024	0.009
Feb 16 2021 9:32:00 AM	0.023	0.018
Feb 16 2021 9:33:00 AM	0.023	0.02
Feb 16 2021 9:34:00 AM	0.021	0.025
Feb 16 2021 9:35:00 AM	0.023	0.031
Feb 16 2021 9:36:00 AM	0.021	0.035
Feb 16 2021 9:37:00 AM	0.021	0.041
Feb 16 2021 9:38:00 AM	0.021	0.044
Feb 16 2021 9:39:00 AM	0.022	0.049
Feb 16 2021 9:40:00 AM	0.021	0.053
Feb 16 2021 9:41:00 AM	0.021	0.059
Feb 16 2021 9:42:00 AM	0.021	0.063
Feb 16 2021 9:43:00 AM	0.022	0.065
Feb 16 2021 9:44:00 AM	0.023	0.068
Feb 16 2021 9:45:00 AM	0.022	0.072
Feb 16 2021 9:46:00 AM	0.023	0.075
Feb 16 2021 9:47:00 AM	0.022	0.08
Feb 16 2021 9:48:00 AM	0.023	0.084
Feb 16 2021 9:49:00 AM	0.025	0.089
Feb 16 2021 9:50:00 AM	0.025	0.092
Feb 16 2021 9:51:00 AM	0.022	0.096
Feb 16 2021 9:52:00 AM	0.024	0.102
Feb 16 2021 9:53:00 AM	0.025	0.104
Feb 16 2021 9:54:00 AM	0.025	0.108
Feb 16 2021 9:55:00 AM	0.024	0.112
Feb 16 2021 9:56:00 AM	0.024	0.115

Upwind CAMP Data
2921 Westchester Avenue
Remedial Investigation Report

Date/Time	Particulates (ug/m^3)	VOCs (ppm)
Feb 16 2021 9:57:00 AM	0.025	0.118
Feb 16 2021 9:58:00 AM	0.025	0.121
Feb 16 2021 9:59:00 AM	0.026	0.124
Feb 16 2021 10:00:00 AM	0.025	0.128
Feb 16 2021 10:01:00 AM	0.025	0.13
Feb 16 2021 10:02:00 AM	0.026	0.134
Feb 16 2021 10:03:00 AM	0.026	0.137
Feb 16 2021 10:04:00 AM	0.025	0.138
Feb 16 2021 10:05:00 AM	0.024	0.139
Feb 16 2021 10:06:00 AM	0.025	0.142
Feb 16 2021 10:07:00 AM	0.024	0.143
Feb 16 2021 10:08:00 AM	0.025	0.146
Feb 16 2021 10:09:00 AM	0.025	0.148
Feb 16 2021 10:10:00 AM	0.024	0.149
Feb 16 2021 10:11:00 AM	0.023	0.151
Feb 16 2021 10:12:00 AM	0.024	0.152
Feb 16 2021 10:13:00 AM	0.026	0.154
Feb 16 2021 10:14:00 AM	0.025	0.158
Feb 16 2021 10:15:00 AM	0.026	0.157
Feb 16 2021 10:16:00 AM	0.026	0.161
Feb 16 2021 10:17:00 AM	0.026	0.163
Feb 16 2021 10:18:00 AM	0.026	0.164
Feb 16 2021 10:19:00 AM	0.025	0.165
Feb 16 2021 10:20:00 AM	0.025	0.166
Feb 16 2021 10:21:00 AM	0.025	0.169
Feb 16 2021 10:22:00 AM	0.025	0.173
Feb 16 2021 10:23:00 AM	0.025	0.175
Feb 16 2021 10:24:00 AM	0.023	0.175
Feb 16 2021 10:25:00 AM	0.024	0.181
Feb 16 2021 10:26:00 AM	0.022	0.177
Feb 16 2021 10:27:00 AM	0.022	0.177
Feb 16 2021 10:28:00 AM	0.022	0.177
Feb 16 2021 10:29:00 AM	0.022	0.177
Feb 16 2021 10:30:00 AM	0.022	0.177

Appendix D
Boring Logs and Well Construction Diagrams

TENEN ENVIRONMENTAL

		Boring No.	**SB-1**
		Sheet	**1 of 1**
Site:	**2921 Westchester Avenue**	**Drilling Method:**	Jackhammer w/ Sampler
Date:	**2/15/2021**	**Soil Sampling Method:**	3' Macro-core
Weather:	**Overcast, 30s**	**DTW:**	6"
Observer:	**A. Platt & H. Lau**	**Driller :**	AARCO

Depth (feet)	PID Reading (ppm)	Soil Recovery	Soil Samples	Soil Description
				0-3" - Concrete
1	0.0	28"	SB-1 (0-1)	3"-3' - Brown, fine to medium silty SAND, medium dense, wet @ 6"
2	0.0		SB-1 (1-2)	
3	0.0		SB-1 (2-3)	**EOB @ 3 ft-bg (bedrock)**

Notes:

Legend:

DTW - Depth to Water
EOB - End of Boring
ft-bg - Feet Below Grade
SM - Silty Sand
SW - Well-graded Sand
GW - Groundwater
PID - Photoionization Detector
SAA - Same as Above
NR - Not Recorded
SP - Poorly Graded Sand
GP - Poorly Graded Gravel

TENEN ENVIRONMENTAL

		Boring No.	**SB-2**
		Sheet	**1 of 1**
Site:	**2921 Westchester Avenue**	**Drilling Method:**	Jackhammer w/ Sampler
Date:	**2/15/2021**	**Soil Sampling Method:**	3' Macro-core
Weather:	**Overcast, 30s**	**DTW:**	6"
Observer:	**A. Platt & H. Lau**	**Driller :**	AARCO

Depth (feet)	PID Reading (ppm)	Soil Recovery	Soil Samples	Soil Description
				0-3" - Concrete
1	0.2	27"	SB-2 (0-2)	3"-3' - Brown, fine to medium silty SAND, trace gravel, medium dense, wet @ 6"
2	1.0			
3	0.6		SB-2 (2-3)	**EOB @ 3 ft-bg (bedrock)**

Notes:

Legend:

DTW - Depth to Water
EOB - End of Boring
ft-bg - Feet Below Grade
SM - Silty Sand
SW - Well-graded Sand
GW - Groundwater
PID - Photoionization Detector
SAA - Same as Above
NR - Not Recorded
SP - Poorly Graded Sand
GP - Poorly Graded Gravel

TENEN ENVIRONMENTAL

		Boring No.	**SB-3**
		Sheet	**1 of 1**
Site:	**2921 Westchester Avenue**	**Drilling Method:**	Jackhammer w/ Sampler
Date:	**2/15/2021**	**Soil Sampling Method:**	3' Macro-core
Weather:	**Overcast, 30s**	**DTW:**	6"
Observer:	**A. Platt & H. Lau**	**Driller :**	AARCO

Depth (feet)	PID Reading (ppm)	Soil Recovery	Soil Samples	Soil Description
				0-3" - Concrete
1	0.0	20"	SB-3 (0-1)	3"-3' - Brown, fine to medium silty SAND, trace gravel, medium dense, wet @ 6"
2	0.0		SB-3 (1-2)	
3	0.0		SB-3 (2-3)	**EOB @ 3 ft-bg (bedrock)**

Notes:

Legend:

DTW - Depth to Water
EOB - End of Boring
ft-bg - Feet Below Grade
SM - Silty Sand
SW - Well-graded Sand
GW - Groundwater
PID - Photoionization Detector
SAA - Same as Above
NR - Not Recorded
SP - Poorly Graded Sand
GP - Poorly Graded Gravel

TENEN ENVIRONMENTAL

		Boring No.	**SB-4**
		Sheet	**1 of 1**
Site:	**2921 Westchester Avenue**	**Drilling Method:**	Jackhammer w/ Sampler
Date:	**2/15/2021**	**Soil Sampling Method:**	3' Macro-core
Weather:	**Overcast, 30s**	**DTW:**	6"
Observer:	**A. Platt & H. Lau**	**Driller :**	AARCO

Depth (feet)	PID Reading (ppm)	Soil Recovery	Soil Samples	Soil Description
				0-3" - Concrete
1	0.9	30"	SB-4 (0-1)	3"-3' - FILL, brown, fine to coarse silty SAND, trace brick & gravel, medium dense, wet @ 6", coarser at top
2	18.3		SB-4 (1-2)	
3	4.7		SB-4 (2-3)	**EOB @ 3 ft-bg (bedrock)**

Notes:
Full scan (1-2') & (2-3')

Legend:

DTW - Depth to Water
EOB - End of Boring
ft-bg - Feet Below Grade
SM - Silty Sand
SW - Well-graded Sand
GW - Groundwater
PID - Photoionization Detector
SAA - Same as Above
NR - Not Recorded
SP - Poorly Graded Sand
GP - Poorly Graded Gravel

TENEN ENVIRONMENTAL

		Boring No.	**SB-5**
		Sheet	**1 of 1**
Site:	**2921 Westchester Avenue**	**Drilling Method:**	Jackhammer w/ Sampler
Date:	**2/15/2021**	**Soil Sampling Method:**	3' Macro-core
Weather:	**Overcast, 30s**	**DTW:**	6"
Observer:	**A. Platt & H. Lau**	**Driller :**	AARCO

Depth (feet)	PID Reading (ppm)	Soil Recovery	Soil Samples	Soil Description
				0-3" - Concrete
	1.8		SB-5 (0-1)	3"-6" - FILL, coarse poorly graded SAND with silt, trace gravel & brick, loose, wet @ 6"
1				6"-3' - Brown, fine to medium silty SAND, medium dense, trace gravel, wet
	23.1	31"	SB-5 (1-2)	
2				
	32.8		SB-5 (2-3)	
3				**EOB @ 3 ft-bg (bedrock)**

Notes:

Full scan (1-2') & (2-3')

Legend:

DTW - Depth to Water
EOB - End of Boring
ft-bg - Feet Below Grade
SM - Silty Sand
SW - Well-graded Sand
GW - Groundwater
PID - Photoionization Detector
SAA - Same as Above
NR - Not Recorded
SP - Poorly Graded Sand
GP - Poorly Graded Gravel

TENEN ENVIRONMENTAL

		Boring No.	**SB-6**
		Sheet	**1 of 1**
Site:	**2921 Westchester Avenue**	**Drilling Method:**	Jackhammer w/ Sampler
Date:	**2/15/2021**	**Soil Sampling Method:**	3' Macro-core
Weather:	**Overcast, 30s**	**DTW:**	6"
Observer:	**A. Platt & H. Lau**	**Driller :**	AARCO

Depth (feet)	PID Reading (ppm)	Soil Recovery	Soil Samples	Soil Description
				0-3" - Concrete
1	1.2	28"	SB-6 (0-1)	3"-1' - FILL, brown, coarse poorly graded SAND with silt, trace gravel & brick, loose, wet @ 6"
2	8.8		SB-6 (1-2)	1-3' - Brown, fine to medium silty SAND, trace gravel, medium dense, wet
3	12.8		SB-6 (2-3)	**EOB @ 3 ft-bg (bedrock)**

Notes:

Full scan (1-2') & (2-3')

Legend:

DTW - Depth to Water
EOB - End of Boring
ft-bg - Feet Below Grade
SM - Silty Sand
SW - Well-graded Sand
GW - Groundwater
PID - Photoionization Detector
SAA - Same as Above
NR - Not Recorded
SP - Poorly Graded Sand
GP - Poorly Graded Gravel

TENEN ENVIRONMENTAL

		Boring No.	**SB-7**
		Sheet	**1 of 1**
Site:	**2921 Westchester Avenue**	**Drilling Method:**	Jackhammer w/ Sampler
Date:	**2/15/2021**	**Soil Sampling Method:**	3' Macro-core
Weather:	**Overcast, 30s**	**DTW:**	6"
Observer:	**A. Platt & H. Lau**	**Driller :**	AARCO

Depth (feet)	PID Reading (ppm)	Soil Recovery	Soil Samples	Soil Description
				0-3" - Concrete
1	1.1	28"	SB-7 (0-1)	3"-3' - FILL, brown to black, fine to coarse silty SAND, coarser at top, trace gravel & brick, medium dense, wet @ 6"
2	3.1		SB-7 (1-2)	
3	1.9		SB-7 (2-3)	**EOB @ 3 ft-bg (bedrock)**

Notes:

Full scan (1-2') & (2-3')

Legend:

DTW - Depth to Water
EOB - End of Boring
ft-bg - Feet Below Grade
SM - Silty Sand
SW - Well-graded Sand
GW - Groundwater
PID - Photoionization Detector
SAA - Same as Above
NR - Not Recorded
SP - Poorly Graded Sand
GP - Poorly Graded Gravel

TENEN ENVIRONMENTAL

		Boring No.	**SB-8**
		Sheet	**1 of 1**
Site:	**2921 Westchester Avenue**	**Drilling Method:**	Jackhammer w/ Sampler
Date:	**2/15/2021**	**Soil Sampling Method:**	3' Macro-core
Weather:	**Overcast, 30s**	**DTW:**	6"
Observer:	**A. Platt & H. Lau**	**Driller :**	AARCO

Depth (feet)	PID Reading (ppm)	Soil Recovery	Soil Samples	Soil Description
				0-3" - Concrete
1	2.6	28"	SB-8 (0-1)	3"-1' - FILL, black, coarse poorly graded SAND with silt, brick & gravel throughout, loose, wet @ 6"
2	3.6		SB-8 (1-2)	1-3' - Brown, fine to medium silty SAND, medium dense, wet
3	0.5		SB-8 (2-3)	**EOB @ 3 ft-bg (bedrock)**

Notes:

Full scan (1-2') & (2-3')

Legend:

DTW - Depth to Water
EOB - End of Boring
ft-bg - Feet Below Grade
SM - Silty Sand
SW - Well-graded Sand
GW - Groundwater
PID - Photoionization Detector
SAA - Same as Above
NR - Not Recorded
SP - Poorly Graded Sand
GP - Poorly Graded Gravel

TENEN ENVIRONMENTAL

		Boring No.	**SB-9**
		Sheet	**1 of 1**
Site:	**2921 Westchester Avenue**	**Drilling Method:**	Jackhammer w/ Sampler
Date:	**2/15/2021**	**Soil Sampling Method:**	3' Macro-core
Weather:	**Overcast, 30s**	**DTW:**	6"
Observer:	**A. Platt & H. Lau**	**Driller :**	AARCO

Depth (feet)	PID Reading (ppm)	Soil Recovery	Soil Samples	Soil Description
				0-3" - Concrete
1	0.0	22"	SB-9 (0-1)	3"-3' - Brown to black, fine to medium silty SAND, trace gravel, medium dense, wet @ 6"
2	0.0		SB-9 (1-2)	
3	0.0		SB-9 (2-3)	**EOB @ 3 ft-bg (bedrock)**

Notes:
Full scan (1-2') & (2-3')

Legend:

DTW - Depth to Water
EOB - End of Boring
ft-bg - Feet Below Grade
SM - Silty Sand
SW - Well-graded Sand
GW - Groundwater
PID - Photoionization Detector
SAA - Same as Above
NR - Not Recorded
SP - Poorly Graded Sand
GP - Poorly Graded Gravel

TENEN ENVIRONMENTAL

		Boring No.	**SB-10/MW-6**
		Sheet	**1 of 1**
Site:	**2921 Westchester Avenue**	**Drilling Method:**	Geoprobe
Date:	**2/16/2021**	**Soil Sampling Method:**	5' Macrocore
Weather:	**Overcast, 30s**	**DTW:**	4.5'
Observer:	**A. Platt & H. Lau**	**Driller :**	AARCO

Depth (feet)	PID Reading (ppm)	Soil Recovery	Soil Samples	Well Construction	Soil Description
f	0.0	30"		2" PVC Riser (0-3')	0'-2" - Concrete 2"-3' - FILL, brown to black, medium to coarse poorly graded SAND with silt, trace concrete & gravel, loose, moist
2	0.0		SB-10 (2.5-4.5)		
3				2" PVC Screen (3-13')	3'-5' - Brown, fine clayey SAND, trace gravel, medium dense, wet bottom 6" (perched water)
4	0.0				
5					
6	0.0	20"			5-9'9" - Brown, fine clayey SAND, trace gravel, medium dense, wet throughout (perched water)
7	0.0				
8					
9	0.0				
10					9'9"-10' - Brown, fine to medium silty SAND, trace gravel, medium dense, moist
11	0.0	24"			10-13' - Gray, medium to coarse poorly graded SAND with silt, trace gravel, dense, moist, some weathered bedrock at bottom
12	0.0				
13					
14					
15					**EOB @ 13 ft-bg (bedrock)**

Notes:

Legend:

DTW - Depth to Water
EOB - End of Boring
ft-bg - Feet Below Grade
SM - Silty Sand
SW - Well-graded Sand
GW - Groundwater
PID - Photoionization Detector
SAA - Same as Above
NR - Not Recorded
SP - Poorly Graded Sand
GP - Poorly Graded Gravel

TENEN ENVIRONMENTAL		Boring No.	SB-10-N
		Sheet	1 of 1
Site:	2921 Westchester Avenue	Drilling Method:	Geoprobe
Date:	2/16/2021	Soil Sampling Method:	5" Macrocore
Weather:	Overcast, 30s	DTW:	5'
Observer:	A. Platt & H. Lau	Driller :	AARCO

Depth (feet)	PID Reading (ppm)	Soil Recovery	Soil Samples	Soil Description
				0'-2" - Concrete
f	0.0	24"		2"-4' - FILL, gray to black, fine to medium poorly graded SAND with silt, concrete & asphalt throughout, medium dense, moist
2				
3	0.0			
4				
5	0.0			4-5' - Brown, fine clayey SAND, trace gravel, medium dense, moist
6	0.0	24"		5-9'6" - Brown, fine clayey SAND, trace gravel, medium dense, wet @ 5' (perched water)
7				
8	0.0			
9				
10	0.0			9'6"-10' - Brown to black, medium to coarse poorly graded SAND with silt
11	0.0	6"		10-12' - Brown to black, medium to coarse poorly graded SAND with silt, weathered bedrock at bottom
12				
13				
14				
15				**EOB @ 12 ft-bg (bedrock)**

Notes:

Legend:

DTW - Depth to Water
EOB - End of Boring
ft-bg - Feet Below Grade
SM - Silty Sand
SW - Well-graded Sand
GW - Groundwater
PID - Photoionization Detector
SAA - Same as Above
NR - Not Recorded
SP - Poorly Graded Sand
GP - Poorly Graded Gravel

TENEN ENVIRONMENTAL

		Boring No.	**SB-11/MW-4**
		Sheet	**1 of 1**
Site:	**2921 Westchester Avenue**	**Drilling Method:**	Jackhammer w/ Sampler
Date:	**2/15/2021**	**Soil Sampling Method:**	3' Macro-core
Weather:	**Overcast, 30s**	**DTW:**	6"
Observer:	**A. Platt & H. Lau**	**Driller :**	AARCO

Depth (feet)	PID Reading (ppm)	Soil Recovery	Soil Samples	Well Construction	Soil Description
					0'-3" - Concrete
f	0.0		SB-11 (0-2)	2" Pre-Packed PVC Screen (0-3')	3"-3' - FILL, brown, fine to coarse silty SAND, trace gravel & brick, medium dense, wet @ 6"
2					
3	0.1		SB-11 (2-3)		
4					
5	0.0				**EOB @ 3 ft-bg (bedrock)**

Notes:

Legend:

DTW - Depth to Water
EOB - End of Boring
ft-bg - Feet Below Grade
SM - Silty Sand
SW - Well-graded Sand
GW - Groundwater
PID - Photoionization Detector
SAA - Same as Above
NR - Not Recorded
SP - Poorly Graded Sand
GP - Poorly Graded Gravel

TENEN ENVIRONMENTAL

		Boring No.	**SB-12**
		Sheet	**1 of 1**
Site:	**2921 Westchester Avenue**	**Drilling Method:**	Jackhammer w/ Sampler
Date:	**2/15/2021**	**Soil Sampling Method:**	3' Macro-core
Weather:	**Overcast, 30s**	**DTW:**	6"
Observer:	**A. Platt & H. Lau**	**Driller :**	AARCO

Depth (feet)	PID Reading (ppm)	Soil Recovery	Soil Samples	Soil Description
				0-3" - Concrete
1	0.3	31"	SB-12 (0-1)	3"-3' - Brown, fine to medium silty SAND, trace gravel, medium dense, wet @ 6"
2	0.6		SB-12 (1-2)	
3	1.3		SB-12 (2-3)	**EOB @ 3 ft-bg (bedrock)**

Notes:

Full scan (1-2') & (2-3')

Legend:

DTW - Depth to Water
EOB - End of Boring
ft-bg - Feet Below Grade
SM - Silty Sand
SW - Well-graded Sand
GW - Groundwater
PID - Photoionization Detector
SAA - Same as Above
NR - Not Recorded
SP - Poorly Graded Sand
GP - Poorly Graded Gravel

TENEN ENVIRONMENTAL

		Boring No.	**SB-13**
		Sheet	**1 of 1**
Site:	**2921 Westchester Avenue**	**Drilling Method:**	Jackhammer w/ Sampler
Date:	**2/15/2021**	**Soil Sampling Method:**	3' Macro-core
Weather:	**Overcast, 30s**	**DTW:**	6"
Observer:	**A. Platt & H. Lau**	**Driller :**	AARCO

Depth (feet)	PID Reading (ppm)	Soil Recovery	Soil Samples	Soil Description
				0-3" - Concrete
1	0.1	28"	SB-13 (0-2)	3"-3' - Brown, fine to medium silty SAND, trace gravel, medium dense, wet @ 6"
2	0.1			
3	0.2		SB-12 (2-3)	**EOB @ 3 ft-bg (bedrock)**

Notes:

Full scan (1-2') & (2-3')

Legend:

DTW - Depth to Water
EOB - End of Boring
ft-bg - Feet Below Grade
SM - Silty Sand
SW - Well-graded Sand
GW - Groundwater
PID - Photoionization Detector
SAA - Same as Above
NR - Not Recorded
SP - Poorly Graded Sand
GP - Poorly Graded Gravel

TENEN ENVIRONMENTAL

		Boring No.	**SB-14**
		Sheet	**1 of 1**
Site:	**2921 Westchester Avenue**	**Drilling Method:**	Jackhammer w/ Sampler
Date:	**2/15/2021**	**Soil Sampling Method:**	3' Macro-core
Weather:	**Overcast, 30s**	**DTW:**	6"
Observer:	**A. Platt & H. Lau**	**Driller :**	AARCO

Depth (feet)	PID Reading (ppm)	Soil Recovery	Soil Samples	Soil Description
				0-3" - Concrete
1	63.9	24"	SB-14 (0-1)	3"-1' - FILL, brown, coarse poorly graded SAND with silt, trace brick & gravel, loose, wet @ 6"
2	37.3		SB-14 (1-2)	1-3' - Brown, fine to medium silty SAND, trace gravel, medium dense, wet
3	24.4		SB-14 (2-3)	**EOB @ 3 ft-bg (bedrock)**

Notes:
VOCs only

Legend:

DTW - Depth to Water
EOB - End of Boring
ft-bg - Feet Below Grade
SM - Silty Sand
SW - Well-graded Sand
GW - Groundwater
PID - Photoionization Detector
SAA - Same as Above
NR - Not Recorded
SP - Poorly Graded Sand
GP - Poorly Graded Gravel

TENEN ENVIRONMENTAL

		Boring No.	**SB-15**
		Sheet	**1 of 1**
Site:	**2921 Westchester Avenue**	**Drilling Method:**	Jackhammer w/ Sampler
Date:	**2/15/2021**	**Soil Sampling Method:**	3' Macro-core
Weather:	**Overcast, 30s**	**DTW:**	6"
Observer:	**A. Platt & H. Lau**	**Driller :**	AARCO

Depth (feet)	PID Reading (ppm)	Soil Recovery	Soil Samples	Soil Description
				0-3" - Concrete
1	11.9	24"	SB-15 (0-1)	3"-3' - Brown, fine to medium silty SAND, trace gravel, medium dense, wet @ 6"
2	47.3		SB-15 (1-2)	
3	20.6		SB-15 (2-3)	**EOB @ 3 ft-bg (bedrock)**

Notes:
VOCs only

Legend:

DTW - Depth to Water
EOB - End of Boring
ft-bg - Feet Below Grade
SM - Silty Sand
SW - Well-graded Sand
GW - Groundwater
PID - Photoionization Detector
SAA - Same as Above
NR - Not Recorded
SP - Poorly Graded Sand
GP - Poorly Graded Gravel

TENEN ENVIRONMENTAL

		Boring No.	**SB-16/MW-7**
		Sheet	**1 of 1**
Site:	**2921 Westchester Avenue**	**Drilling Method:**	Geoprobe
Date:	**2/18/2022**	**Soil Sampling Method:**	5' Macrocore
Weather:	**Overcast, 60s**	**DTW:**	8'
Observer:	**A. Platt & K. Malnati**	**Driller :**	AARCO

Depth (feet)	PID Reading (ppm)	Soil Recovery	Soil Samples	Well Construction	Soil Description
f	0.0	60"		1" PVC Riser (0-5')	0'-3" - Concrete
					3"-5' - FILL, Brown, fine to medium silty SAND, trace cobbles, medium dense, moist
2					
3	0.0				
4					
5	0.0				
6	0.0	41"		1" PVC Screen (5-15')	5-8' - Tan, medium to coarse poorly graded SAND, trace gravel, loose, moist, some clay lenses throughout
7			SB-16 (6-8) & SB-16 (6-8)_DUP		
8	0.0				8-10' - Brown, fine clayey SAND, medium dense, wet @ 8'
9					
10	0.0				
11	0.0	60"			10-15' - Brown, fine clayey SAND, trace gravel, medium dense, wet
12					
13	0.0				
14					
15	0.0				**EOB @ 15 ft-bg**

Notes:

Legend:

DTW - Depth to Water
EOB - End of Boring
ft-bg - Feet Below Grade
SM - Silty Sand
SW - Well-graded Sand
GW - Groundwater
PID - Photoionization Detector
SAA - Same as Above
NR - Not Recorded
SP - Poorly Graded Sand
GP - Poorly Graded Gravel

TENEN ENVIRONMENTAL

		Boring No.	**SB-17/MW-8**
		Sheet	**1 of 1**
Site:	**2921 Westchester Avenue**	**Drilling Method:**	Geoprobe
Date:	**2/18/2022**	**Soil Sampling Method:**	5' Macrocore
Weather:	**Sunny, 30s**	**DTW:**	8'
Observer:	**A. Platt & K. Malnati**	**Driller :**	AARCO

Depth (feet)	PID Reading (ppm)	Soil Recovery	Soil Samples	Well Construction	Soil Description
f	0.0	60"		2" PVC Riser (0-3')	0'-3" - Concrete
2	0.0				3"-5' - FILL, Brown, fine to medium silty SAND, trace gravel, medium dense, moist
3					
4	0.0			2" PVC Screen (3-13')	
5					
6	0.0	30"	SB-17 (6-8)		5-10' - Brown, fine sandy SILT, firm, wet @ 8'
7	0.0				
8					
9	0.0				
10					
11	0.0	60"			10-15' - Brown, fine sandy SILT, firm, wet
12	0.0				
13					
14	0.0				
15					**EOB @ 15 ft-bg**

Notes:

Legend:

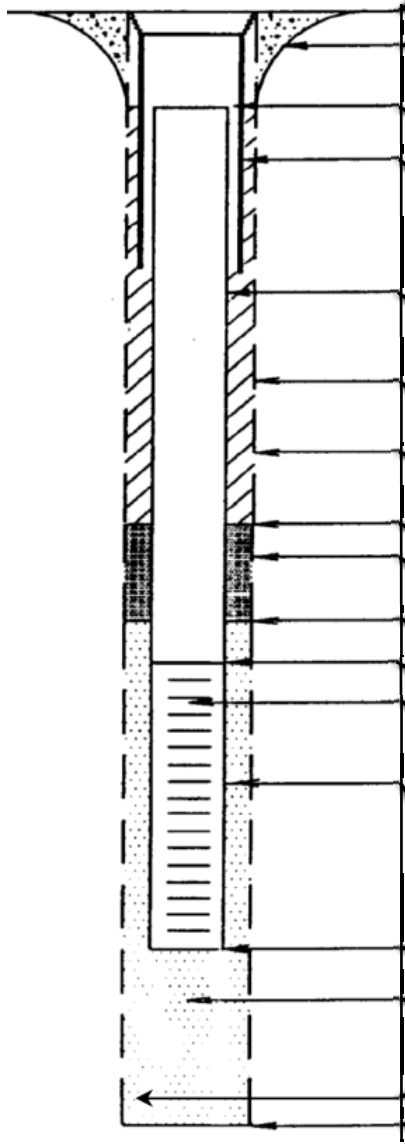
DTW - Depth to Water
EOB - End of Boring
ft-bg - Feet Below Grade
SM - Silty Sand
SW - Well-graded Sand
GW - Groundwater
PID - Photoionization Detector
SAA - Same as Above
NR - Not Recorded
SP - Poorly Graded Sand
GP - Poorly Graded Gravel

TENEN ENVIRONMENTAL

MONITORING WELL CONSTRUCTION DIAGRAM

Monitoring Well Construction Diagram (Flush Mount)

Project:	2921 Westchester Avenue - Bronx, NY	**Well Number:**	**MW-5**
Field Geologist:	A. Platt & H. Lau	Date Started:	2/15/2021
Driller:	AARCO	Date Completed:	2/15/2021
Drilling Method:	Hand Auger	Elevation Datum:	Local
Development Method:	Peristaltic Pump	Weather:	Overcast, 30s
Sump Installed? (Y/N)	N Sump Length (Ft): N/A	Boring Number:	N/A



Ground Surface	Concrete
Elevation of Top of Surface Casing	49.58
Type of Surface Plug	Concrete
Depth of Surface Plug (ft-bgs)	1
Diameter of Surface Plug (ft)	N/A
Riser Pipe	
Depth of Top of Riser Pipe (ft-bg)	N/A
Elevation of Top of Riser Pipe	49.43
I.D. of Surface Casing (in)	6
Type of Surface Casing	Manhole cover
Depth of Surface Casing (ft-bg)	1
I.D. of Riser (in)	N/A
Type of Riser	N/A
Borehole Diameter (in)	2
Type of Backfill	N/A
Backfill - Tremied? (Y/N)	N
Depth of Top of Seal (ft-bg)	0
Elevation of Top of Seal	49.58
Type of Seal	Bentonite Pellets
Seal - Tremied? (Y/N)	N
Depth of Top of Filter Pack (ft-bg)	0.25
Depth of Top of Screen (ft-bg)	0.25
Elevation of Top of Screen	49.43
Type of Screen	Schedule 40 PVC
I.D. of Screen (in)	2
Slot Size of Screen (in)	0.02
Length of Screen (ft)	3.5
Type of Filter Pack	Pre-Pack
Filter Pack - Tremied? (Y/N)	N
Depth of Bottom of Screen (ft-bg)	3.5
Depth of Bottom of Filter Pack (ft-bg)	3.5
Elevation of Bottom of Filter Pack	N/A
Type of Backfill Below Filter Pack	N/A (Bedrock)
Depth of Bottom of Hole (ft-bg)	3.5
Elevation of Bottom of Hole	N/A

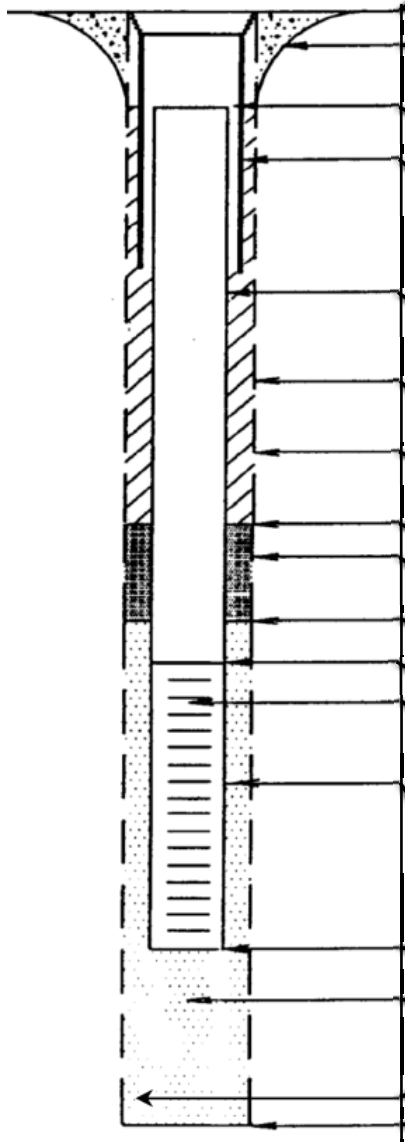
Comments:

TENEN ENVIRONMENTAL

MONITORING WELL CONSTRUCTION DIAGRAM

Monitoring Well Construction Diagram (Flush Mount)

Project:	2921 Westchester Avenue - Bronx, NY	**Well Number:**	**MW-5**
Field Geologist:	A. Platt, H. Lau, & C. Zaccheo	Date Started:	2/16/2021
Driller:	AARCO	Date Completed:	2/19/2021
Drilling Method:	Hand Auger and Coring Machine	Elevation Datum:	Local
Development Method:	Peristaltic Pump	Weather:	Overcast, 30s
Sump Installed? (Y/N)	N Sump Length (Ft): N/A	Boring Number:	N/A



Ground Surface	Concrete
Elevation of Top of Surface Casing	49.92
Type of Surface Plug	Concrete
Depth of Surface Plug (ft-bgs)	1
Diameter of Surface Plug (ft)	N/A
Riser Pipe	
Depth of Top of Riser Pipe (ft-bg)	0.25
Elevation of Top of Riser Pipe	49.73
I.D. of Surface Casing (in)	6
Type of Surface Casing	Manhole cover
Depth of Surface Casing (ft-bg)	1
I.D. of Riser (in)	2
Type of Riser	Schedule 40 PVC
Borehole Diameter (in)	2
Type of Backfill	N/A
Backfill - Tremied? (Y/N)	N
Depth of Top of Seal (ft-bg)	0
Elevation of Top of Seal	N/A
Type of Seal	Bentonite Pellets
Seal - Tremied? (Y/N)	N
Depth of Top of Filter Pack (ft-bg)	1.5
Depth of Top of Screen (ft-bg)	1.5
Elevation of Top of Screen	N/A
Type of Screen	Schedule 40 PVC
I.D. of Screen (in)	2
Slot Size of Screen (in)	0.02
Length of Screen (ft)	5
Type of Filter Pack	Pre-Pack
Filter Pack - Tremied? (Y/N)	N
Depth of Bottom of Screen (ft-bg)	6.5
Depth of Bottom of Filter Pack (ft-bg)	6.5
Elevation of Bottom of Filter Pack	N/A
Type of Backfill Below Filter Pack	N/A (Bedrock)
Depth of Bottom of Hole (ft-bg)	6.5
Elevation of Bottom of Hole	N/A

Comments: The overburden was cased off from the underlying bedrock during installation to prevent downward migration of cVOC impacts into bedrock fractures.

Appendix E
Monitoring Well Purging and Sampling Logs
Monitoring Well Survey

Appendix E - Groundwater Purge Logs
2921 Westchester Avenue - Bronx, NY
Remedial Investigation Report

GROUNDWATER SAMPLING LOG

Site Name	2921 Westchester Avenue	Date	2/23/2021
Well No.	MW-1	Sample ID	MW-1

Well Diameter	2 inches	Depth to Water	8.98 ft-bg
Well Screen Interval	4-19 ft-bg	Depth to Bottom	18 ft-bg
Headspace PID	0.0 ppm		
Weather	40s, Rain, Overcast		

Pump	Peristaltic
Water Quality Meter	Horiba U52
Total Volume Purged	2 gallons

Time	Temperature deg-C	pH SU	ORP mV	Conductivity mS/cm	Turbidity NTU	Dissolved Oxygen mg/L	Total Dissolved Solids ppm
11:40	8.45	10.42	17	4.84	36.3	7.16	3.10
11:50	9.73	9.03	77	3.64	12.5	9.31	2.33
12:00	9.20	8.76	86	3.61	9.8	9.66	2.31

Notes: Began purging at 11:30. Hooked up Horiba at 11:40. Well beginning to run dry at 12:00. Sample MW-1 at 12:00 for VOCs, SVOCs, total and dissolved metals, pesticides, herbicides, PCBs, total cyanide, trivalent/hexavalent chromium, PFAS, & 1,4-dioxane.

Appendix E - Groundwater Purge Logs
2921 Westchester Avenue - Bronx, NY
Remedial Investigation Report

GROUNDWATER SAMPLING LOG

Site Name	2921 Westchester Avenue	Date	2/23/2021
Well No.	MW-2	Sample ID	MW-2

Well Diameter	2 inches	Depth to Water	3.53 ft-bg
Well Screen Interval	4-19 ft-bg	Depth to Bottom	18.30 ft-bg
Headspace PID	0.0 ppm		
Weather	40s, Rain, Overcast		

Pump	Peristaltic
Water Quality Meter	Horiba U52
Total Volume Purged	2 gallons

Time	Temperature deg-C	pH SU	ORP mV	Conductivity mS/cm	Turbidity NTU	Dissolved Oxygen mg/L	Total Dissolved Solids ppm
13:05	7.17	10.86	71	10.40	913.0	11.66	6.44
13:15	6.04	10.31	129	12.10	64.8	10.61	7.47
13:25	5.72	9.72	136	13.20	24.4	9.62	8.19

Notes: Began purging at 13:05. Hooked up Horiba at 13:05. Sampled MW-2 at 13:30, MW-2_MS at 13:35, and MW-2_MSD at 13:40 for VOCs, SVOCs, total and dissolved metals, pesticides, herbicides, PCBs, total cyanide, trivalent/hexavalent chromium, PFAS, and 1,4-dioxane.

Appendix E - Groundwater Purge Logs
2921 Westchester Avenue - Bronx, NY
Remedial Investigation Report

GROUNDWATER SAMPLING LOG

Site Name	2921 Westchester Avenue	Date	2/23/2021
Well No.	MW-3	Sample ID	MW-3

Well Diameter	2 inches	Depth to Water	0.09 ft-bg
Well Screen Interval	0-4.5 ft-bg	Depth to Bottom	3.87 ft-bg
Headspace PID	0.0 ppm		
Weather	40s, Overcast		

Pump	Peristaltic
Water Quality Meter	Horiba U52
Total Volume Purged	2 gallons

Time	Temperature deg-C	pH SU	ORP mV	Conductivity mS/cm	Turbidity NTU	Dissolved Oxygen mg/L	Total Dissolved Solids ppm
12:40	8.96	8.35	164	2.21	128.0	21.68	1.41
12:50	9.44	8.82	76	2.14	14.7	9.65	1.37
13:00	9.29	8.76	-84	1.84	5.3	6.99	1.18

Notes: Began purging at 12:39. Hooked up Horiba at 12:40. Sampled MW-3 at 13:00 for VOCs, SVOCs, total and dissolved metals, pesticides, herbicides, PCBs, total cyanide, trivalent/hexavalent chromium, PFAS, and 1,4-dioxane.

Appendix E - Groundwater Purge Logs
2921 Westchester Avenue - Bronx, NY
Remedial Investigation Report

GROUNDWATER SAMPLING LOG

Site Name	2921 Westchester Avenue	Date	2/23/2021
Well No.	MW-4	Sample ID	MW-4

Well Diameter	2 inches	Depth to Water	0.22 ft-bg
Well Screen Interval	0-3 ft-bg	Depth to Bottom	2 ft-bg
Headspace PID	0.0 ppm		
Weather	40s, Overcast		

Pump	Peristaltic
Water Quality Meter	Horiba U52
Total Volume Purged	2 gallons

Time	Temperature deg-C	pH SU	ORP mV	Conductivity mS/cm	Turbidity NTU	Dissolved Oxygen mg/L	Total Dissolved Solids ppm
11:55	8.77	9.75	106	2.51	46.4	10.43	1.59
12:05	8.97	8.23	155	2.24	1.6	4.51	1.43
12:15	8.99	8.14	163	2.22	3.7	3.57	1.42

Notes: Began purging at 11:45. Hooked up Horiba at 11:55. Sampled MW-4 at 12:20 for VOCs, SVOCs, total and dissolved metals, pesticides, herbicides, PCBs, total cyanide, trivalent/hexavalent chromium, PFAS, and 1,4-dioxane.

Appendix E - Groundwater Purge Logs
2921 Westchester Avenue - Bronx, NY
Remedial Investigation Report

GROUNDWATER SAMPLING LOG

Site Name	2921 Westchester Avenue	Date	2/23/2021
Well No.	MW-5	Sample ID	MW-5

Well Diameter	2 inches	Depth to Water	0 ft-bg
Well Screen Interval	0-3.5 ft-bg	Depth to Bottom	2.75 ft-bg
Headspace PID	0.0 ppm		
Weather	40s, Rain		

Pump	Peristaltic
Water Quality Meter	Horiba U52
Total Volume Purged	1 gallon

Time	Temperature deg-C	pH SU	ORP mV	Conductivity mS/cm	Turbidity NTU	Dissolved Oxygen mg/L	Total Dissolved Solids ppm
14:40	7.32	9.98	-100	2.73	653.0	2.16	1.68
14:50	7.69	10.00	-92	2.28	537.0	0.28	1.47
15:00	8.25	9.63	-65	2.30	508.0	9.73	1.47

Notes: Began purging at 14:40. Hooked up Horiba at 14:40. Well running dry at 14:50, stop purging and allow to recharge. Resume purging at 14:57. Well running dry again, stop purging at 15:00 and allow to recharge. Water running clear, sample immediately. Sampled MW-5 at 15:10 for VOCs, SVOCs, total and dissolved metals, pesticides, herbicides, PCBs, total cyanide, trivalent/hexavalent chromium, PFAS, and 1,4-dioxane.

Appendix E - Groundwater Purge Logs
2921 Westchester Avenue - Bronx, NY
Remedial Investigation Report

GROUNDWATER SAMPLING LOG

Site Name	2921 Westchester Avenue	Date	2/23/2021
Well No.	BW-1	Sample ID	BW-1

Well Diameter	2 inches	Depth to Water	0.14 ft-bg
Well Screen Interval	1.5-6.5 ft-bg	Depth to Bottom	5.91 ft-bg
Headspace PID	0.0 ppm		
Weather	40s, Overcast		

Pump	Peristaltic
Water Quality Meter	Horiba U52
Total Volume Purged	2 gallons

Time	Temperature deg-C	pH SU	ORP mV	Conductivity mS/cm	Turbidity NTU	Dissolved Oxygen mg/L	Total Dissolved Solids ppm
16:40	9.33	9.77	23	0.656	514.0	2.81	0.417
16:50	9.64	9.93	-2	0.623	222.0	1.83	0.397
17:00	9.49	9.84	10	0.550	47.3	0.98	0.351

Notes: Began purging at 16:35. Hooked up Horiba at 16:40. Samples BW-1 at 17:00 and BW-1_DUP at 17:10 for VOCs, SVOCs, total and dissolved metals, pesticides, herbicides, PCBs, total cyanide, trivalent/hexavalent chromium, PFAS, and 1,4-dioxane.

Appendix E - Groundwater Purge Logs
2921 Westchester Avenue - Bronx, NY
Remedial Investigation Report

GROUNDWATER SAMPLING LOG

Site Name	2921 Westchester Avenue	Date	3/4/2021
Well No.	MW-5	Sample ID	MW-5

Well Diameter	2 inches	Depth to Water	0 ft-bg
Well Screen Interval	0-3 ft-bg	Depth to Bottom	2.75 ft-bg
Headspace PID	0.0 ppm		
Weather	40s, Rain		

Pump	Peristaltic
Water Quality Meter	Horiba U52
Total Volume Purged	1 gallon

Time	Temperature deg-C	pH SU	ORP mV	Conductivity mS/cm	Turbidity NTU	Dissolved Oxygen mg/L	Total Dissolved Solids ppm
13:35	9.18	8.65	-87	2.65	100.0	18.53	1.71
13:45	8.83	8.90	-91	2.69	26.1	9.29	1.72
13:55	8.71	9.00	-95	2.69	27.6	7.56	1.72

Notes: Began purging at 13:35. Hooked up Horiba at 13:35. Sampled MW-5_VOC at 14:00 for VOCs.

Appendix E - Groundwater Purge Logs
2921 Westchester Avenue - Bronx, NY
Remedial Investigation Report

GROUNDWATER SAMPLING LOG

Site Name	2921 Westchester Avenue	Date	3/4/2021
Well No.	MW-6	Sample ID	MW-6

Well Diameter	2 inches	Depth to Water	8.06 ft-bg
Well Screen Interval	3-13 ft-bg	Depth to Bottom	11.33 ft-bg
Headspace PID	0.0 ppm		
Weather	40s, Overcast		

Pump	Peristaltic
Water Quality Meter	Horiba U52
Total Volume Purged	0.5 gallon

Time	Temperature deg-C	pH SU	ORP mV	Conductivity mS/cm	Turbidity NTU	Dissolved Oxygen mg/L	Total Dissolved Solids ppm
10:55	9.78	9.93	9	7.21	407.0	11.35	4.51
11:05	9.78	10.54	49	6.07	89.7	7.88	3.81
11:15	9.76	10.51	62	5.97	36.1	8.06	3.93

Notes: Began purging at 10:50. Hooked up Horiba at 10:55. Well running dry at 11:05, stop purging and allow well to recharge. Resume purging at 11:15. Well running dry at 11:16, stop purging and allow to recharge. Very slow recharge, less than 2 inches per hour. Sample MW-6 at 14:30 for VOCs and SVOCs.

Appendix E - Groundwater Purge Logs
2921 Westchester Avenue - Bronx, NY
Remedial Investigation Report

GROUNDWATER SAMPLING LOG

Site Name	2921 Westchester Avenue	Date	2/24/2022
Well No.	MW-7	Sample ID	MW-7

Well Diameter	1 inch	Depth to Water	8.19 ft-bg
Well Screen Interval	5-15 ft-bg	Depth to Bottom	10.95 ft-bg
Headspace PID	4.6 ppm		
Weather	30s, Cloudy		

Pump	Peristaltic
Water Quality Meter	Horiba U52
Total Volume Purged	0.5 gallon

Time	Temperature deg-C	pH SU	ORP mV	Conductivity mS/cm	Turbidity NTU	Dissolved Oxygen mg/L	Total Dissolved Solids ppm

Notes: Begin purging at 9:40. Water is very silty, allow to purge until water clears. Well running dry at 9:55, stop purging and allow to recharge. Alternate between purging and allowing the well to recharge until water runs clear. Sample MW-7 at 10:45 for VOCs.

Appendix E - Groundwater Purge Logs
2921 Westchester Avenue - Bronx, NY
Remedial Investigation Report

GROUNDWATER SAMPLING LOG

Site Name	2921 Westchester Avenue	Date	2/24/2022
Well No.	MW-8	Sample ID	MW-8

Well Diameter	2 inches	Depth to Water	9.03 ft-bg
Well Screen Interval	3-13 ft-bg	Depth to Bottom	12.00 ft-bg
Headspace PID	2.3 ppm		
Weather	30s, Sunny		

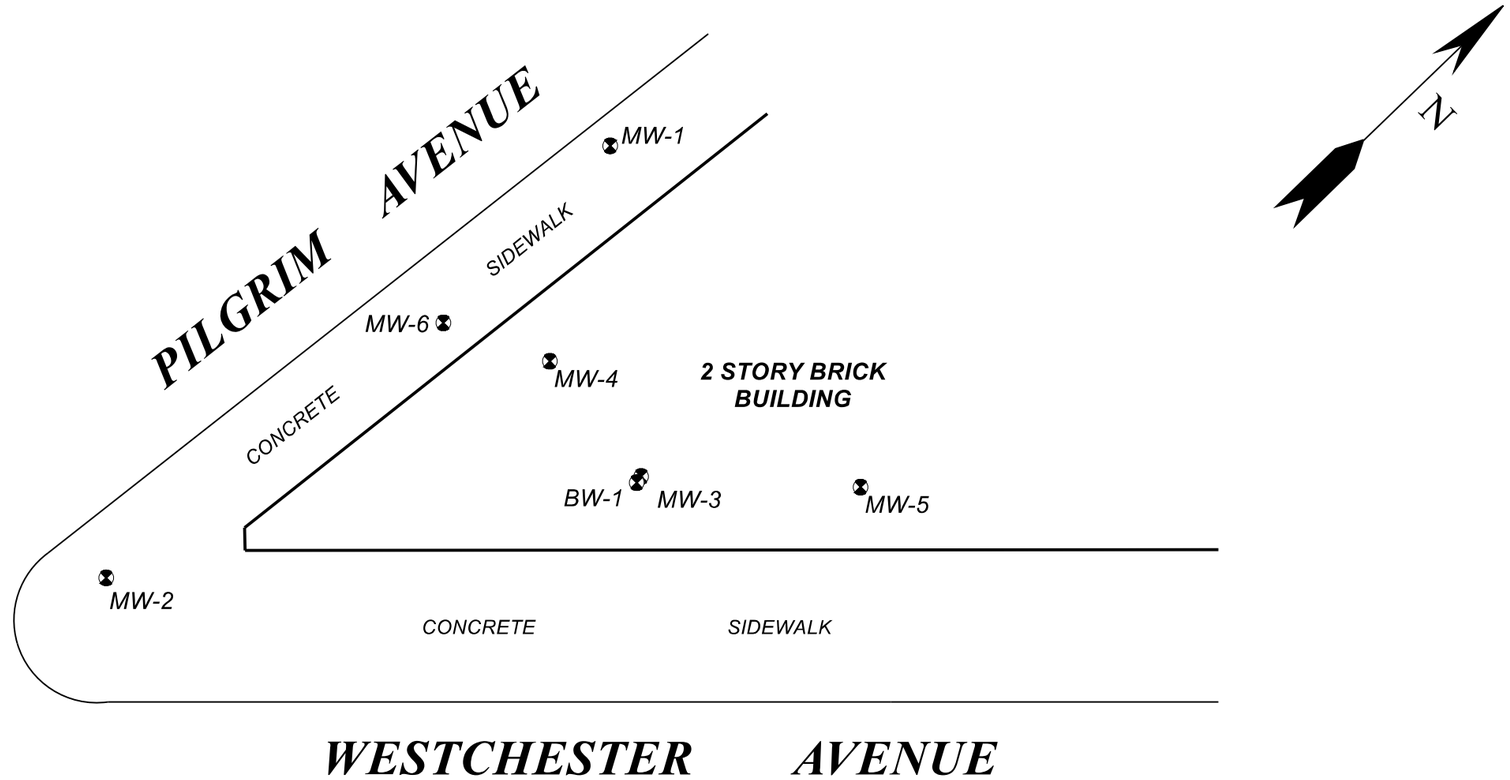
Pump	Peristaltic
Water Quality Meter	Horiba U52
Total Volume Purged	0.5 gallon

Time	Temperature deg-C	pH SU	ORP mV	Conductivity mS/cm	Turbidity NTU	Dissolved Oxygen mg/L	Total Dissolved Solids ppm
8:00	9.8	9.55	-15	5.74	0.0	10.23	3.60

Notes: Begin purging at 7:58. Hookup Horiba at 7:59. Well running dry at 8:05. Stop purging and allow well to recharge. Water running clear, sample MW-8 at 8:10, sample MW-8_MS at 8:20, sample MW-8_MSD at 8:30; and sample MW-8_DUP ay 8:40 for VOCs.

WELL ELEVATION TABLE

WELL I.D.	ELEVATION TOP OF CASING	ELEVATION TOP OF PVC
MW-1	59.66	59.35
MW-2	58.34	57.96
MW-3	49.91	49.61
MW-4	49.91	49.71
MW-5	49.58	49.43
MW-6	59.28	59.05
BW-1	49.92	49.73



NOTES:

-DATE OF FIELD SURVEY: NOVEMBER 20, 2019

-HORIZONTAL AND VERTICAL DATUM: ASSUMED

-WELLS MW-4, MW-5, MW-6 AND BW-1 FIELD SURVEYED ON FEBRUARY 23, 2021

-WELLS MW-3, MW-4, MW-5 AND BW-1 LOCATED IN BASEMENT, NO DIRECT HORIZONTAL MEASUREMENT POSSIBLE, LOCATIONS APPROXIMATE ONLY

DONALD R. STEDGE, L.S.
NYS LIC. NO. 49759

REVISED: FEBRUARY 23, 2021-MW-4, MW-5, MW-6 AND BW-1

WELL ELEVATION SURVEY

2925 WESTCHESTER AVENUE

BRONX

BRONX COUNTY **NEW YORK**
SCALE: 1" = 20' **NOVEMBER 20, 2019**

DONALD R. STEDGE, P.L.S.
112 MURRAY AVENUE
GOSHEN, NY 10924
(845) 325-9734

JOB NO. 1853

Traverse PC

Appendix F
Soil Vapor and Indoor Air Sampling Logs and NYSDOH Indoor Air Quality Questionnaires and Building Inventories

Appendix F - Soil Vapor and Indoor Air Logs
2921 Westchester Avenue - Bronx, NY
Remedial Investigation Report

TENEN ENVIRONMENTAL

Site:	**2921 Westchester Avenue - Bronx, NY**
Weather:	**40°F, Overcast (3/4/2021); 95°F, Overcast (7/20/2021); 30°F, Sunny (2/24/2022)**
Date:	**3/4/2021, 7/20/2021, & 2/24/2022**
Observers:	**A. Platt, H. Lau, & M. Accetturi**

Sample ID	Sample Date	He (ppm)	PID (ppm)	Can ID	Flow ID	Initial Time	Final Time	Initial Pressure (in-Hg)	Final Pressure (in-Hg)
IA-6	**3/4/21**	N/A	N/A	2070	01500	9:57	17:57	-29.60	-6.72
IA-7	**3/4/21**	N/A	N/A	2524	0904	9:40	17:40	-30.10	-2.21
SS-3	**3/4/21**	0	0.1	1670	01602	10:32	18:22	-30.29	-7.19
IA-8	**3/4/21**	N/A	N/A	1666	01047	10:31	18:21	-30.11	-7.00
SS-7	**3/4/21**	0	0	3392	01774	10:29	18:19	-30.40	-6.59
IA-12	**3/4/21**	N/A	N/A	1708	01540	10:30	18:20	-29.86	-6.40
IA-9	**3/4/21**	N/A	N/A	2965	01647	9:45	17:45	-30.11	-5.87
IA-11	**3/4/21**	N/A	N/A	1665	0788	9:47	17:46	-30.30	-8.45
SS-5	**3/4/21**	0	0	949	01501	9:29	17:30	-30.30	-8.63
IA-10	**3/4/21**	N/A	N/A	690	0619	9:30	17:29	-29.71	-6.80
TI-SS-1	**2/24/22**	0	0	2257	01449	9:07	16:56	-31.55	-8.77
TI-IA-1	**2/24/22**	N/A	N/A	2970	01583	9:08	16:58	-30.57	-6.09
TI-SS-2	**2/24/22**	0	0	1943	0471	9:03	16:53	-32.17	-6.18
TI-IA-2	**2/24/22**	N/A	N/A	1812	0724	9:04	16:54	-30.98	-6.34
TI-SS-3	**2/24/22**	0	0	3392	01566	9:11	17:00	-30.86	-7.72
TI-IA-3	**2/24/22**	N/A	N/A	952	01825	9:12	17:01	-32.83	-6.23
TI-SS-4	**2/24/22**	0	0	646	01774	9:15	17:02	-31.22	-7.00
TI-IA-4	**2/24/22**	N/A	N/A	1547	01791	9:16	17:03	-30.90	-6.89
TI-SS-5	**2/24/22**	0	0	1962	0018	9:23	17:25	-30.56	-7.01
TI-IA-5	**2/24/22**	N/A	N/A	590	01944	9:24	17:26	-31.14	-8.09
TI-SS-6	**2/24/22**	0	0	898	01478	9:19	17:19	-35.42	-7.93
TI-IA-6	**2/24/22**	N/A	N/A	3483	0622	9:20	17:21	-31.04	-7.41
SV-1	**7/20/21**	0	23	3440	01510	9:44	11:59	-29.45	-3.70
SV-2	**7/20/21**	0	9.1	2235	01951	9:45	11:59	-29.76	-6.09
SV-3	**7/20/21**	0	0	3238	01961	10:09	14:20	-29.88	-0.14
AA-1	**3/4/21**	N/A	N/A	3321	0619	9:33	17:31	-30.50	-7.16
AA-2	**7/20/21**	N/A	N/A	1819	0913	9:48	17:49	-29.92	-7.94
AA-3	**2/24/22**	N/A	N/A	3608	0909	8:57	17:09	-30.74	-5.14

Notes:
ppm: parts per million
in-Hg: inches mercury

NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH

This form must be completed for each residence involved in indoor air testing.

Preparer's Name Ashley Platt Date/Time Prepared 3/4/2021

Preparer's Affiliation Tenen Environmental Phone No. 646-606-2332

Purpose of Investigation BCP RI

1. OCCUPANT:

Interviewed: Y / N

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

Number of Occupants/persons at this location _____ Age of Occupants _____

2. OWNER OR LANDLORD: (Check if same as occupant ___)

Interviewed: Y / N

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential	School	Commercial/Multi-use
Industrial	Church	Other: _____

If the property is residential, type? (Circle appropriate response)

Ranch	2-Family	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
Duplex	Apartment House	Townhouses/Condos
Modular	Log Home	Other:_____

If multiple units, how many? 4 commercial tenant spaces

If the property is commercial, type?

Business Type(s) Cell phone store (Boost Mobile), Home goods store (Tristate Interiors), Barber Shop

Does it include residences (i.e., multi-use)? Y / N (N circled) If yes, how many? ____

Other characteristics:

Number of floors 3 (including cellar) Building age 70+ yrs

Is the building insulated? Y / N (Y circled) How air tight? Tight / Average / Not Tight (Average circled)

4. AIRFLOW

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors

_____

_____

_____

Airflow near source

_____

_____

_____

Outdoor air infiltration

_____

_____

_____

Infiltration into air ducts

_____

_____

_____

5. **BASEMENT AND CONSTRUCTION CHARACTERISTICS** (Circle all that apply)

a. Above grade construction:	wood frame	concrete	stone	brick
b. Basement type:	full	crawlspace	slab	other partial basement
c. Basement floor:	concrete	dirt	stone	other _____
d. Basement floor:	uncovered	covered	covered with _____	
e. Concrete floor:	unsealed	sealed	sealed with _____	
f. Foundation walls:	poured	block	stone	other _____
g. Foundation walls:	unsealed	sealed	sealed with _____	
h. The basement is:	wet	damp	dry	moldy
i. The basement is:	finished	unfinished	partially finished	
j. Sump present?	Y / N			
k. Water in sump?	Y / N / not applicable			

Basement/Lowest level depth below grade: 10 (feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

_____

_____

6. **HEATING, VENTING and AIR CONDITIONING** (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

Hot air circulation	Heat pump	Hot water baseboard	
Space Heaters	Stream radiation	Radiant floor	
Electric baseboard	Wood stove	Outdoor wood boiler	Other _____

The primary type of fuel used is:

Natural Gas	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: _____

Boiler/furnace located in:	Basement	Outdoors	Main Floor	Other_____
Air conditioning:	Central Air	Window units	Open Windows	None

Are there air distribution ducts present? Y / N

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

_____

_____

_____

_____

7. OCCUPANCY

Is basement/lowest level occupied? Full-time Occasionally Seldom Almost Never

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	Storage
1st Floor	Commercial Tenant Spaces
2nd Floor	Storage
3rd Floor	
4th Floor	

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? Y / N

b. Does the garage have a separate heating unit? Y / N / NA

c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) Y / N / NA
Please specify Cars stored in warehouse attached to home goods store

d. Has the building ever had a fire? Y / N When?_____

e. Is a kerosene or unvented gas space heater present? Y / N Where?_____

f. Is there a workshop or hobby/craft area? Y / N Where & Type? Home goods warehouse

g. Is there smoking in the building? Y / N How frequently?_____

h. Have cleaning products been used recently? Y / N When & Type?_____

i. Have cosmetic products been used recently? Y / N When & Type?_____

j. Has painting/staining been done in the last 6 months? Y / N Where & When? _____

k. Is there new carpet, drapes or other textiles? Y / N Where & When? New carpets sold by home goods store, present throughout store (rolled up)

l. Have air fresheners been used recently? Y / N When & Type? _____

m. Is there a kitchen exhaust fan? Y / N If yes, where vented? _____

n. Is there a bathroom exhaust fan? Y / N If yes, where vented? Outside

o. Is there a clothes dryer? Y / N If yes, is it vented outside? Y / N

p. Has there been a pesticide application? Y / N When & Type? _____

Are there odors in the building? Y / N
If yes, please describe: _____

Do any of the building occupants use solvents at work? Y / N
(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist

If yes, what types of solvents are used? _____

If yes, are their clothes washed at work? Y / N

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

Yes, use dry-cleaning regularly (weekly)
Yes, use dry-cleaning infrequently (monthly or less)
Yes, work at a dry-cleaning service

No
Unknown

Is there a radon mitigation system for the building/structure? Y / N Date of Installation: _____
Is the system active or passive? Active/Passive

9. WATER AND SEWAGE

Water Supply: Public Water Drilled Well Driven Well Dug Well Other: _____

Sewage Disposal: Public Sewer Septic Tank Leach Field Dry Well Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: _____

b. Residents choose to: remain in home relocate to friends/family relocate to hotel/motel

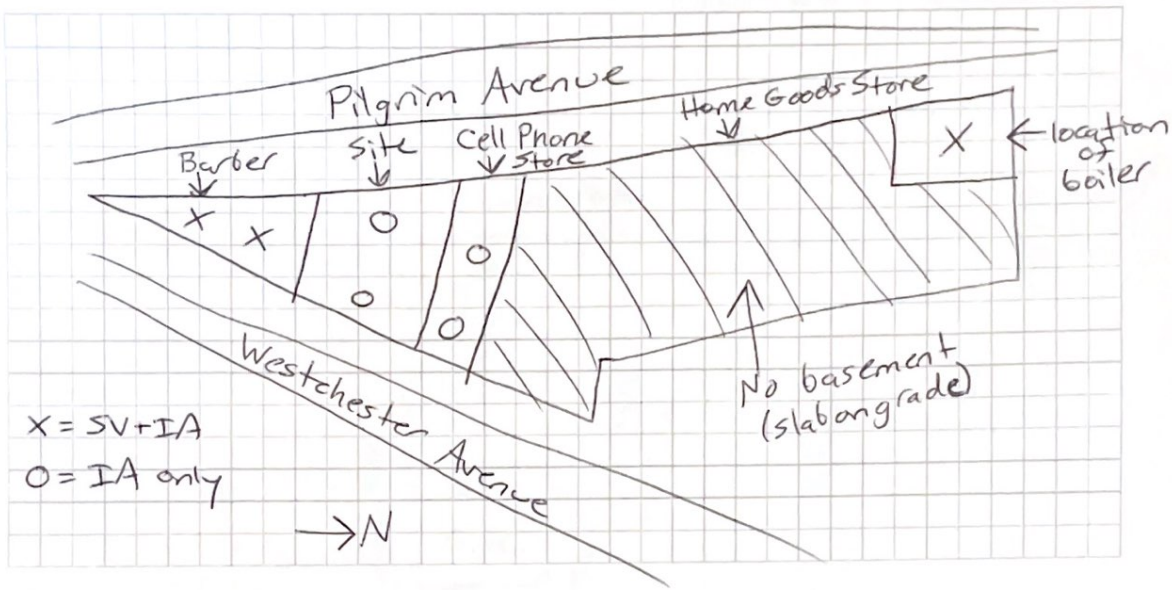
c. Responsibility for costs associated with reimbursement explained? Y / N

d. Relocation package provided and explained to residents? Y / N

11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:

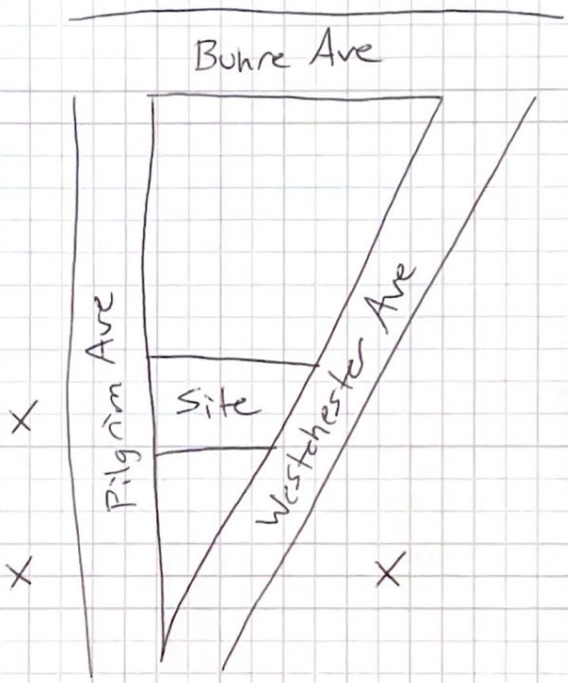


First Floor:

12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.



X = Exterior SV

*Exterior SV pulled water while purging, could not sample

13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: PID (MiniRae 3000)

List specific products found in the residence that have the potential to affect indoor air quality.

No products found

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo ** Y / N

* Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D)**
** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH

This form must be completed for each residence involved in indoor air testing.

Preparer's Name Ashley Platt Date/Time Prepared 2/24/2022

Preparer's Affiliation Tetra Environmental Phone No. 646-606-2332

Purpose of Investigation Supplemental RI

1. OCCUPANT:

Interviewed: Y / N

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

Number of Occupants/persons at this location _____ Age of Occupants _____

2. OWNER OR LANDLORD: (Check if same as occupant ___)

Interviewed: Y / N

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential	School	Commercial/Multi-use
Industrial	Church	Other: _____

If the property is residential, type? (Circle appropriate response)

Ranch	2-Family	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
Duplex	Apartment House	Townhouses/Condos
Modular	Log Home	Other:_____

If multiple units, how many? 4 commercial tenant spaces

If the property is commercial, type?

Business Type(s) Cell phone store (Boost Mobile), Home Goods Store (Tristate), 2 vacant spaces

Does it include residences (i.e., multi-use)? Y / N If yes, how many? —

Other characteristics:

Number of floors 2 Building age 70+ yrs

Is the building insulated? Y / N How air tight? Tight / Average / Not Tight

4. AIRFLOW

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors

_____

_____

_____

Airflow near source

_____

_____

_____

Outdoor air infiltration

_____

_____

_____

Infiltration into air ducts

_____

_____

_____

5. **BASEMENT AND CONSTRUCTION CHARACTERISTICS** (Circle all that apply)

a. Above grade construction:	wood frame	concrete	stone	brick
b. Basement type:	full	crawlspace	slab	other partial basement
c. Basement floor:	concrete	dirt	stone	other _____
d. Basement floor:	uncovered	covered	covered with _____	
e. Concrete floor:	unsealed	sealed	sealed with _____	
f. Foundation walls:	poured	block	stone	other _____
g. Foundation walls:	unsealed	sealed	sealed with _____	
h. The basement is:	wet	damp	dry	moldy
i. The basement is:	finished	unfinished	partially finished	
j. Sump present?	Y / N			
k. Water in sump?	Y / N / not applicable			

Basement/Lowest level depth below grade: 10 (feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

_____

_____

6. **HEATING, VENTING and AIR CONDITIONING** (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

Hot air circulation	Heat pump	Hot water baseboard	
Space Heaters	Stream radiation	Radiant floor	
Electric baseboard	Wood stove	Outdoor wood boiler	Other _____

The primary type of fuel used is:

Natural Gas	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: _____

Boiler/furnace located in:	Basement	Outdoors	Main Floor	Other_____
Air conditioning:	Central Air	Window units	Open Windows	None

Are there air distribution ducts present? Y / N

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

_____

_____

_____

_____

7. OCCUPANCY

Is basement/lowest level occupied? Full-time Occasionally Seldom Almost Never

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	Storage
1st Floor	Commercial tenant spaces
2nd Floor	Storage
3rd Floor	
4th Floor	

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? Y / N

b. Does the garage have a separate heating unit? Y / N / NA

c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) Y / N / NA Please specify Cars stored in home goods warehouse

d. Has the building ever had a fire? Y / N When? _____

e. Is a kerosene or unvented gas space heater present? Y / N Where? _____

f. Is there a workshop or hobby/craft area? Y / N Where & Type? Home goods warehouse

g. Is there smoking in the building? Y / N How frequently? _____

h. Have cleaning products been used recently? Y / N When & Type? _____

i. Have cosmetic products been used recently? Y / N When & Type? _____

j. Has painting/staining been done in the last 6 months? Y / N Where & When? _____

k. Is there new carpet, drapes or other textiles? Y / N Where & When? New carpets for sale present throughout home goods store

l. Have air fresheners been used recently? Y / N When & Type? _____

m. Is there a kitchen exhaust fan? Y / N If yes, where vented? _____

n. Is there a bathroom exhaust fan? Y / N If yes, where vented? Outside

o. Is there a clothes dryer? Y / N If yes, is it vented outside? Y / N

p. Has there been a pesticide application? Y / N When & Type? _____

Are there odors in the building? Y / N
If yes, please describe: _____

Do any of the building occupants use solvents at work? Y / N
(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist

If yes, what types of solvents are used? _____

If yes, are their clothes washed at work? Y / N

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

Yes, use dry-cleaning regularly (weekly)
Yes, use dry-cleaning infrequently (monthly or less)
Yes, work at a dry-cleaning service

No
Unknown

Is there a radon mitigation system for the building/structure? Y / N Date of Installation: _____
Is the system active or passive? Active/Passive

9. WATER AND SEWAGE

Water Supply: Public Water Drilled Well Driven Well Dug Well Other: _____

Sewage Disposal: Public Sewer Septic Tank Leach Field Dry Well Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: _____

b. Residents choose to: remain in home relocate to friends/family relocate to hotel/motel

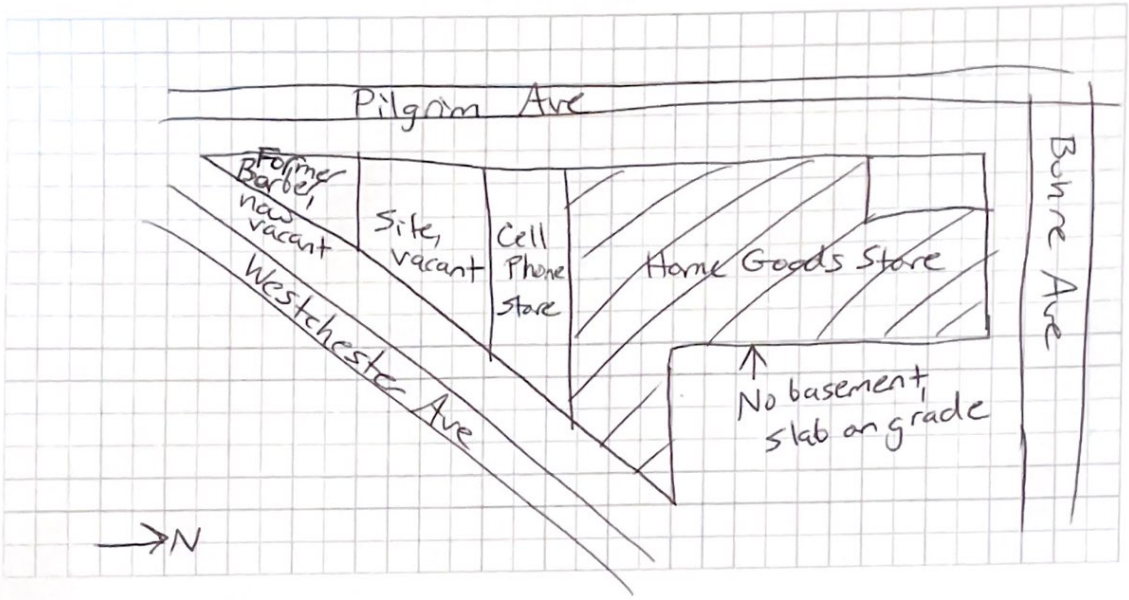
c. Responsibility for costs associated with reimbursement explained? Y / N

d. Relocation package provided and explained to residents? Y / N

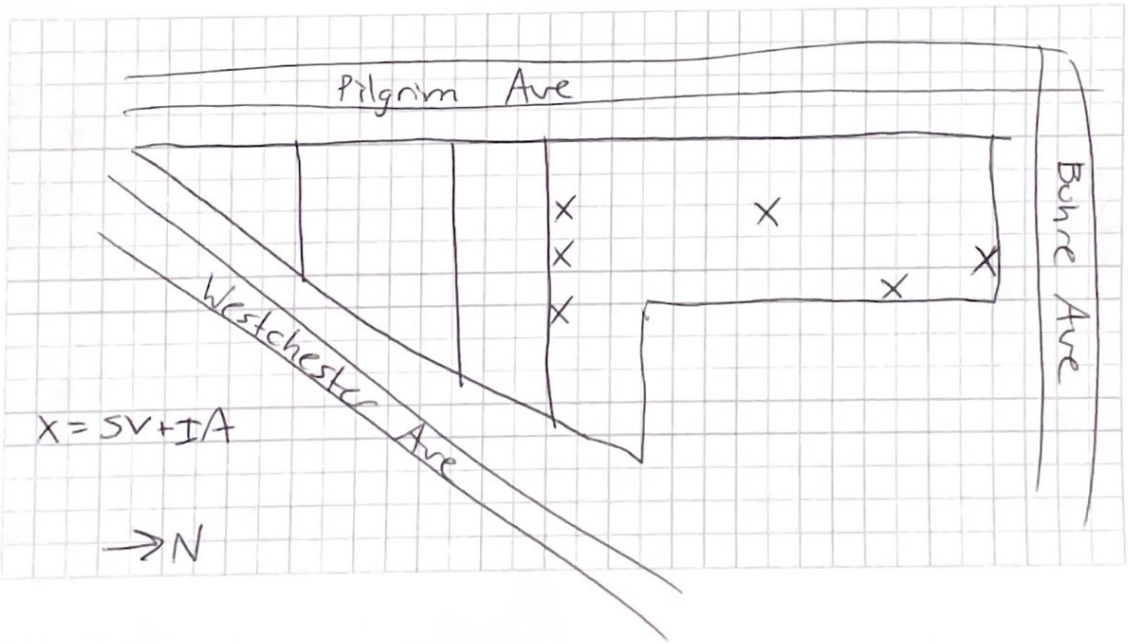
11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:



First Floor:



12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.

13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: PID (MiniRae 3000)

List specific products found in the residence that have the potential to affect indoor air quality.

No products found

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo ** Y / N

* Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D)**
** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

Appendix G
AirPura Air Purifier Specification Sheet

Airpura AIR PURIFIERS

C600 DLX

SPECIFIC CHEMICALS - VOCS

REMOVE SPECIFIC AIRBORNE CHEMICALS INCLUDING VOLATILE ORGANIC COMPOUNDS

THE AIRPURA C600
Available in White / Black / Cream

THE AIRPURA LIMITED WARRANTY
5 years parts / 10 years labor

THE AIRPURA C600 DLX
ENHANCED CHEMICAL ABATEMENT UNIT OFFERS YOU:

- **26 LB ENHANCED IMPREGNATED ACTIVATED CARBON BED** Adsorbs airborne chemicals including volatile organic compounds (VOCs)
- **HEPA-BARRIER POST FILTER** Traps particles after the carbon bed.
- **560 CFM INTEGRATED FAN / MOTOR** Largest CFM available in a portable unit.
- **VARIABLE SPEED MOTOR** Gives you flexible air flow options.
- **PROPER CONTACT TIMES FOR EFFECTIVE FILTRATION** Correctly calibrated air flow / bed depth for efficient adsorbtion.
- **PRESSURE SEALED FILTER CHAMBER** Unique pressure seal on the filter chamber ensures all contaminants are filtered and non escape.

OVER 4000 CHEMICALS CAN BE REMOVED

Carbon blends are available to deal with over 4000 airborne chemicals including:

Ammonias	Hydrogen Bromide	Toulene
Nitrous dioxide	Sulfur dioxide	Napthene
Nitrous trioxide	Hydrogen fluoride	Pesticides
Monoethylamine	Hydrogen chloride	Chlorine
Hydrogen Sulfide	Benzene	Mold Mycotoxins
Mercury vapors	Methylene Chloride	
Chlorine dioxide	Radioactive Iodine	

FILTER LIFE

PREFILTER should be replaced every 12 months.

CARBON FILTER should be replaced every 2 years

HEPA BARRIER FILTERS should be changed every 12 months

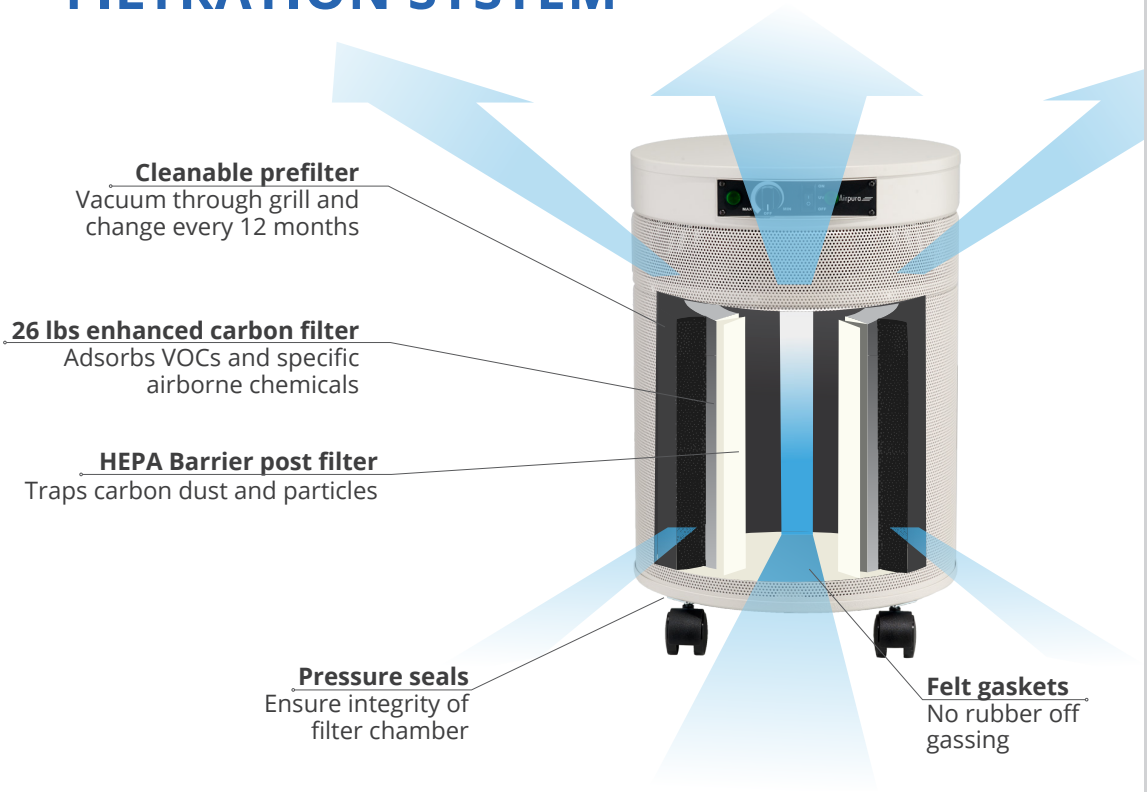
EXPERIENCE THE EVOLUTION OF CLEAN AND HEALTHY AIR

Airpura AIR PURIFIERS

C600 DLX

AIRBORNE CHEMICALS & VOCS

FILTRATION SYSTEM



UNIQUE FEATURES

ALL METAL HOUSING ensures no plastic vapors are emitted.

MOTOR OUT OF THE AIR FLOW. Most air purifiers blow the clean air over the motor and pick up impurities, while our purifiers do not.

ELECTRICAL PARTS IN A SEALED CHAMBER OUT OF THE AIRFLOW. Increases safety and prevents off-gassing

PRESSURE SEALED FILTER CHAMBER prevents leakage of polluted air around filters.

FELT GASKETS SEAL THE FILTER CHAMBER. Maximize filtration with no rubber off-gassing found with other filters.

CLEAN MODERN APPEARANCE fits in with any decor.

LOW NOISE LEVEL (at 6 feet) 25 db on low 61 db on high (560 cfm).

SPECIALLY DESIGNED

TO REMOVE SPECIFIC AIRBORNE CHEMICALS AND VOCS

DWELL TIME
For best results the correct dwell time of the pollutants over the enhanced carbon bed is vital. The 560 CFM impeller/motor combined with the fixed speed control and unimpeded airflow of the Airpura 600 series allows you to set the airflow precisely and achieve the results you need.

EXPERTISE YOU CAN CALL ON
Airpura indoor air quality experts can offer you a solution to most airborne chemical problems. Contact your Airpura dealer or call us directly to discuss your needs.

TECHNICAL SPECIFICATIONS

ODOR, AIRBORNE CHEMICAL AND VOC CONTROL
26 lbs super enhanced impregnated activated carbon 13" x 13" x 7.5"

CARBON BED
3" deep x 570 sq" surface

AIR FLOW 560 CFM
More cfm than any other portable unit available

PRE-FILTER
570 sq in x 1 in

POST PARTICLE FILTER
306 sq in

SIZE
23" x 15"

WEIGHT
45 lbs total

VOLTAGE OPTIONS
115 or 220 volts

WATTS
120 on high / 40 on low

SOUND LEVEL
28.1 db on low (at 6 feet)
62.3 db on high (560 cfm)
(Room level 25.1 db)

ETL CERTIFIED
Conforms ANSI / UL 507

YOUR AIRPURA™ DEALER

EXPERIENCE THE EVOLUTION OF CLEAN AND HEALTHY AIR