SITE CHARACTERIZATION REPORT

250 WATER STREET P-SITE

NEW YORK, NEW YORK 10038

NYSDEC SITE NO. 231127

WORK ASSIGNMENT NO. D009812-26

Prepared for:

NEW YORK STATE | Department of Environmental Conservation

Division of Environmental Remediation

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1.0 Introduction

This report presents the results of the Site Characterization (SC) for the 250 Water Street P-Site located in New York, New York (referred to as the "Site"). Refer to **Figure 1**, Site Location Map. The SC was completed in accordance with the New York State Department of Environmental Conservation (NYSDEC or the "Department") Division of Environmental Remediation (DER) Work Assignment (WA) No. D009812-26 Notice to Proceed dated December 2, 2021, the NYSDEC-approved Scopes of Work dated July 7, 2022 (approved August 12, 2022) and NYSDEC DER-10, Technical Guidance for Site Investigation and Remediation (DER-10).

The Site has been assigned NYSDEC Site No. 231127 ("250 Water Street P-Site"). The Site is in the area of a former thermometer factory and associated ancillary buildings/areas outside the boundary of the 250 Water Street Brownfield Cleanup Program (BCP) site (Site No. C231127). The Site encompasses areas adjacent to the BCP site, including Pearl Street to the north, Peck Slip to the east, Water Street to the south, and Beekman Street to the west of the BCP site, which were not addressed under the BCP (see **Figure 2**). The Site is located in a mixed-use area characterized by commercial, institutional, and residential properties. The Site is currently classified by the Department as a Potential (P) site. The SC was performed to further evaluate known and potential contamination caused by the historic operations at the BCP site and assist the Department in determining whether the Site conditions pose a significant threat to public health and/or the environment, warranting a Remedial Investigation (RI).

The Site is situated in an urban setting historically characterized by industrial development. Historical Site uses have included, factories, thermometer manufacturing facilities/workshops, gasoline service stations, and vehicle repair shops. Indicated above, in December 2021, the Department issued an SC WA to TRC Engineers, Inc. (TRC) to investigate potential contamination adjacent to the BCP site. Soil and soil vapor samples were collected along the adjacent sidewalks of Pearl Street, Water Street, Peck Slip, and Beekman Street to evaluate potential impacts in areas extending beyond the BCP site boundary. Groundwater monitoring wells were installed in sidewalk areas along Pearl Street, Peck Slip, and Water Street to characterize groundwater flow and quality surrounding the Site.

The overall scope of the SC included soil boring advancement, soil sampling, monitoring well installation, groundwater sampling, soil vapor probe installation, soil vapor sampling, and a site survey. SC field activities were completed, as described in this report, in two phases. The first phase of SC field investigation activities was implemented in July 2023. The second phase was completed in December 2024.

2.0 Site Description and History

2.1 Site Location and Setting

The Site is situated within a densely developed, mixed-use (commercial, institutional, and residential) area in the Borough of Manhattan, New York County, New York (see **Figure 1**). The Site is approximately 133,400 square feet (3.1-acres) and is identified on the Borough of Manhattan Tax Map as portions of Block 97, Lots 46 through 57; Block 95, Lot 1; Block 94, Lot 1; and Block 106, Lot 9. The Site spans parts of four city blocks surrounding the approximately 48,100 square foot BCP site. The BCP site is currently owned and operated by 250 Seaport District, LLC.

The Site is bordered to the north by high rise residential buildings (Southbridge Towers), to the east by a seven-story elementary school (Peck Slip School), to the south by multiple five- to six-story mixed-use commercial and residential buildings, and to the west by a seven-story mixed-use commercial and residential building.

According to the New York City Zoning Map 12b, the Site is located in a C6-2A commercial district and R8 residential district. The C6-2A district is mapped within the South Street Seaport Subdistrict of the Special Lower Manhattan District. C6 districts allow for a wide range of mixed residential and commercial uses. R8 districts range from mid-rise, eight- to ten-story buildings to much taller buildings set back from the street on large lots.

2.2 Site History and Past Use

The Site has been developed since the mid-1800s and has historically supported a variety of commercial and industrial uses. From approximately 1833 to 1950, manufacturing facilities and factories were located at the Site including printers, metal works, machine shops, oil companies, thermometer factories and workshops, a mercury warehouse, and a chemical and glue company.

Based on the review of the Remedial Investigation Work Plan (RIWP) prepared by Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C. (Langan), thermometer workshops operated at 236 and 240 Water Street between 1833 and 1848, followed by operations at 298 Pearl Street between 1848 and 1868. From 1868 to 1927, a five-story thermometer factory occupied 302 Pearl Street and by 1927, a mercury warehouse was located at 245 Water Street. Based on information provided in the RIWP, these operations resulted in the documented presence of mercury in subsurface soil at concentrations exceeding both Unrestricted Use and Restricted Residential Use Soil Cleanup Objectives (SCOs).

By 1950, commercial operations at the Site included metal works, machine shops, oil companies, and a garage and auto repair facility. According to the Phase II Environmental Site Investigation (ESI) prepared by Langan, two 550-gallon underground storage tanks (USTs) were located at the northeastern boundary of the BCP site corresponding to the location of the historic garage and auto repair facility. The results of the Phase II ESI identified anomalies consistent with USTs, and petroleum-related impacts were confirmed

through soil and groundwater sampling. A petroleum spill (Spill No. 1507371) was reported to the NYSDEC in October 2015.

In June 2019, the 250 Water Street site was accepted into the BCP under Site No. C231127. A RIWP was developed by Langan and approved by the NYSDEC to characterize the nature and extent of contamination. The Remedial Investigation (RI) was performed between June and October 2020. The results of the RI confirmed petroleum- and mercury- related impacts at the BCP site.

In November 2021, a Remedial Action Work Plan (RAWP) was prepared by Langan and submitted to the NYSDEC. The selected Track 2 Restricted-Residential Use remedy included the excavation and off-site disposal of mercury-, volatile organic compound (VOC-), and semi-volatile organic compound (SVOC-) impacted historic fill; restoration with certified clean fill and/or site cover components; and implementation of institutional controls (IC) and engineering controls (EC). Under NYSDEC supervision, the remedy was implemented in 2022.

Based on information provided in the Final Engineering Report (FER) dated December 28, 2023, 10 USTs were removed from the BCP site during the implementation of the Track 2 remedy in 2022. The removal of the tanks and petroleum-impacted soils was completed under NYSDEC oversight and documented as part of the RAWP implementation. Spill No. 1507371 associated with the USTs was closed following implementation of the Track 2 remedy, as confirmed by the issuance of the Certificate of Completion (COC) on December 29, 2023.

A Site Management Plan (SMP) was finalized in December 2023 and documents the IC/EC implemented as part of the remedy, including land use restrictions limiting the Site to restricted-residential, commercial, and industrial uses; a prohibition on the use of groundwater without proper treatment and agency approval; requirements for managing residual contamination during future ground-intrusive activities in accordance with an Excavation Work Plan (EWP); and the installation of a perimeter containment wall and sub-slab vapor barrier to mitigate contaminant migration and soil vapor intrusion. The Site is zoned for commercial and residential use and is subject to redevelopment as a mixed-use development under an Environmental Easement.

2.3 Topography and Site Drainage

According to the United States Geological Survey (USGS) Topographic Map of Jersey City, New Jersey (2023), ground surface elevations at the Site range from approximately 7 to 10 feet North American Vertical Datum (NAVD) 1988. The Site slopes toward the East River, located south of the Site, which is classified as an estuarine and marine deepwater habitat in the National Wetlands Inventory.

3.0 Previous Investigations

This section presents a summary of previous investigations, sampling and remediation activities completed at the BCP site. Between 2015 and 2023, Langan completed a series of environmental investigations and remedial actions. The following reports were reviewed during preparation of this SC Report:

- Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C., Phase II Environmental Site Investigation, 250 Water Street, November 2015.
- Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C., Remedial Investigation Work Plan, 250 Water Street, May 2020.
- Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C., Remedial Investigation Report, 250 Water Street, June 2021.
- Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C., Remedial Action Work Plan, 250 Water Street, November 2021.
- Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C., Remedial Design Investigation Work Plan, 250 Water Street, February 2022.
- Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C., Remedial Design Report – Test Pit Investigation, 250 Water Street, May 2022.
- Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C, Final Engineering Report, 250 Water Street, December 2023.
- Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C., Site Management Plan, 250 Water Street, December 2023.

The areas of investigation addressed in these prior efforts and subsequent remedial actions are summarized in the subsections below.

3.1 Summary of Pertinent Prior Sampling and Remediation Activities

A Phase II Environmental Site Investigation (ESI) was completed by Langan in November 2015 following completion of a Phase I Environmental Site Assessment (ESA). The scope of the Phase II ESI included a geophysical survey to identify potential UST locations, subsurface utilities and anomalies; the advancement of 10 soil borings and collection of 21 subsurface soil samples at discrete intervals; installation of five temporary groundwater monitoring wells and collection of five groundwater samples; installation of five temporary soil vapor points and collection of five soil vapor samples; and the collection of one ambient air sample for laboratory analysis. Subsurface soil and groundwater samples were analyzed for Target Compound List (TCL) VOCs, TCL SVOCs, Target Analyte List (TAL) metals, pesticides, and polychlorinated biphenyls (PCBs). Soil vapor samples were analyzed for VOCs via United States Environmental Protection Agency (USEPA) Method TO-15.

The results of the Phase II ESI identified the presence of historic fill material, petroleum-impacted soil and mercury-impacted soils at the BCP site. Beneath the site-wide asphalt cap, historic fill material was encountered in each boring ranging from 9 to 14.5 feet below ground surface (bgs). Fill consisted of loose

gray-brown sand with silt, gravel, brick, concrete, wood, and ash. The results of the analyses of soil samples were compared to Unrestricted Use SCOs in the Phase II ESI Report. The following VOCs, SVOCs, metals, and PCBs were detected in subsurface soil samples at concentrations exceeding the Unrestricted Use SCOs established in 6 NYCRR Part 375:

- VOCs were detected at concentrations exceeding the Unrestricted Use SCOs in soil samples collected up to 14 feet bgs. In soil boring SB9, located in the eastern portion of the BCP site, 1,2,4-trimethylbenzene was detected at 1,200 milligrams per kilogram (mg/kg) at 13 to14 feet bgs, ethylbenzene was detected at 250 mg/kg, and total xylenes were detected at 1,800 mg/kg. Petroleum-related impacts were observed in soil borings (SB3, SB8, SB9, and SB10) located in the central and eastern portions of the BCP site, with photoionization detector (PID) readings reaching 2,225 parts per million (ppm) in boring SB8 at 16 to 20 feet bgs.

- SVOCs were detected at concentrations exceeding the Unrestricted Use SCOs in soil samples collected between 3 and 8 feet bgs. Benzo(a)pyrene was detected at a maximum concentration of 10 mg/kg in boring SB5 from 3 to 4 feet bgs, naphthalene was detected at 94 mg/kg in boring SB9 from 8 to 9 feet bgs, and dibenzofuran was detected at 20 mg/kg in boring SB5 from 3 to 4 feet bgs.

- PCBs were detected at concentrations exceeding the Unrestricted Use SCOs in two subsurface soil samples, with Aroclor 1254 detected at a maximum concentration of 4.57 mg/kg in boring SB9 from 7 to 8 feet bgs, and Aroclor 1242 detected at 1.39 mg/kg in boring SB8 from 2 to 3 feet bgs.

- Metals were detected at concentrations exceeding the Unrestricted Use SCOs in 11 subsurface soil samples. Lead was detected at a maximum concentration of 1,400 mg/kg in boring SB1 from 7 to 8 feet bgs, barium was detected at 890 mg/kg in boring SB6 from 2 to 3 feet bgs, and zinc was detected at 2,200 mg/kg in boring SB6 from 6.5 to 7.5 feet bgs.

- Mercury was detected at concentrations exceeding the Unrestricted Use SCO in six subsurface soil samples. The maximum concentration of mercury was detected in boring SB4 from 13 to 14 feet bgs. Mercury concentrations in three of the samples were above 4 mg/kg, the approximate soil concentration equivalent to the Resource Conservation and Recovery Act (RCRA) hazardous waste threshold for leachable mercury (0.2 milligrams per liter [mg/L]), indicating that hazardous waste may be present on the BCP site.

In groundwater, exceedances of NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1 Class GA Standards and Guidance Values (“Class GA Values”) were observed for multiple VOCs, SVOCs, and metals including iron and lead. The highest total VOC concentration was reported in well TMW09, located in the eastern portion of the BCP site, at approximately 32,600 micrograms per liter (µg/L). VOCs detected in well TMW09 included benzene at a concentration of 2,700 µg/L and total xylenes at a concentration of 8,400 µg/L, indicative of petroleum impacts. In addition, SVOCs including

benzo(a)pyrene and chrysene were also detected at concentrations significantly exceeding Class GA Values, as were metals such as lead (725.5 µg/L) and iron (41,500 µg/L)

Thirty-eight VOCs were detected in the soil vapor samples at concentrations ranging from 339 to 5,353 micrograms per cubic meter (µg/m³). Detected compounds included petroleum-related VOCs such as benzene, toluene, ethylbenzene, and xylenes (BTEX), as well as chlorinated solvents including tetrachloroethene (PCE) and trichloroethene (TCE). Application of NYSDOH Soil Vapor/Indoor Air Decision Matrices to these results recommended actions ranging from "no further action" to "mitigate".

Langan conducted a RI between June and October 2020. The RIWP identified "Areas of Concern" (AOCs) based on historic use of the BCP site and contaminant distribution. The AOCs are presented below:

- AOC 1 encompassed the site-wide presence of historic fill material, as documented through visual and analytical observations during previous investigations. The fill was typically characterized by fine to medium sand with silt, gravel, brick, concrete, wood and ash, identified to depths ranging from 9 to 14.5 feet bgs. Contaminants associated with this AOC included SVOCs, PCBs, and metals (arsenic, barium, copper, lead, mercury, nickel, selenium, silver, and zinc).

- AOC 2 was delineated based on historical use as an automobile repair facility and the presence of subsurface anomalies consistent with former USTs.

- AOC 3 corresponded to portions of the BCP site formerly occupied by mercury thermometer manufacturing and warehousing operations. The AOC 3 boundaries include the former footprint of the 302 Pearl Street thermometer manufacturing facility and adjacent historical mercury-related operations. Prior investigations identified mercury-impacted soil within this AOC at concentrations exceeding the Unrestricted Use SCO and having the potential to exceed the characteristic hazardous waste threshold established under the RCRA.

- AOC 4 encompassed broader groundwater and vapor-phase migration concerns that were not limited to discrete source areas and had not been delineated to evaluate the potential for contaminant transport via dissolved-phase migration and vapor intrusion beyond the boundaries of AOCs 1 through 3.

The scope of the RI included:

- Advancement of 29 site-wide soil borings and 16 mercury delineation borings.
- Collection of 237 subsurface soil samples and laboratory analyses for VOCs, SVOCs, metals, PCBs, pesticides, 1,4-dioxane, and per- and polyfluoroalkyl substances (PFAS).
- Installation of 11 permanent groundwater monitoring wells.
- Collection of 12 groundwater samples and laboratory analyses for VOCs, SVOCs, metals, PCBs, pesticides, 1,4-dioxane, and PFAS.
- Installation of 17 temporary soil vapor sampling points.

- Collection of 17 soil vapor samples and one ambient air sample. Laboratory analyses for VOCs (EPA TO-15) and mercury vapor (NIOSH Method 6009).

The results of the RI identified mercury impacts in subsurface soil across AOC 3, particularly within the former footprint of 302 Pearl Street thermometer manufacturing facility. Mercury was detected in subsurface soil samples at concentrations up to 730 mg/kg, significantly exceeding the Unrestricted Use SCO of 0.18 mg/kg and the Restricted Residential SCO of 0.81 mg/kg. In addition, sequential mercury speciation analysis conducted during the Remedial Design Investigation (RDI) indicated the presence of both inorganic mercury and mercury salts.

In AOC 2, located near the southeast corner of the BCP site, petroleum-related VOCs (1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, benzene, ethylbenzene, n-butylbenzene, n-propylbenzene, toluene, and/or total xylenes) were detected in soil at concentrations exceeding the Unrestricted Use and/or Restricted Residential Use SCOs in six subsurface soil samples. In addition, SVOCs (3-methylphenol/4-methylphenol, dibenzofuran, naphthalene, and/or phenol) were detected at concentrations above Unrestricted Use SCOs in two subsurface soil samples. Petroleum-related VOCs and SVOCs (1,2,4,5-tetramethylbenzene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, benzene, ethylbenzene, isopropylbenzene, n-butylbenzene, n-propylbenzene, sec-butylbenzene, toluene, total xylenes, 2,4-dimethylphenol, benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, benzo[k]fluoranthene, biphenyl, chrysene, indeno[1,2,3-c,d]pyrene, naphthalene, and/or phenol) were detected in four groundwater samples exceeding Class GA Values.

Soil vapor data collected during the RI indicated chlorinated VOCs, including PCE and TCE, at concentrations triggering recommended mitigation responses based on NYSDOH decision matrices. The highest concentrations were detected near the Pearl Street sidewalk, where PCE was detected at a maximum concentration of 827 µg/m³ and TCE at 27.3 µg/m³. Mercury vapor was detected at a maximum of 0.271 µg/m³ on the Pearl Street sidewalk, consistent with vapor migration from shallow historic fill and potential reuse of mercury-impacted building materials during past demolition.

Based on the results of RI, Langan prepared a Remedial Action Work Plan (RAWP) on behalf of 250 Seaport District, LLC, which presented a Track 2 Restricted Residential Use remedy developed in accordance with 6 NYCRR Part 375 and DER-10 guidance including:

- Excavation of contaminated historic fill and petroleum/mercury/PCB-impacted soils to depths of at least 15 feet bgs, with targeted over-excavation in AOCs 2 and 3.
- Removal of known and unidentified USTs (10 total, including a 1,080-gallon UST discovered during excavation in 2023).
- On-site dewatering and treatment of petroleum-impacted groundwater.
- Air monitoring in accordance with a Community Air Monitoring Plan (CAMP) and implementation of the HASP and CHASP.

- Endpoint soil sampling to verify compliance with Track 2 SCOs.

In February 2022, a Remedial Design Investigation Work Plan (RDIWP) was prepared by Langan to support the implementation of the RAWP. The scope of the RDIWP included advancement of soil borings for waste profiling and PCB delineation; excavation of mercury hotspot test pits to assess vapor generation potential during intrusive work; collection of groundwater samples for New York City Department of Environmental Protection (NYCDEP) discharge permitting; mercury and VOC vapor screening using handheld instrumentation; and implementation of a CAMP.

In May 2022, Langan prepared a Remedial Design Report (RDR), which documented the results of the RDI conducted in February 2022. Based on the results of the RDR, the proposed vapor and dust mitigation protocols outlined in the RAWP did not require modification; and the analytical data from PCB delineation soil boring and test pits were used to develop excavation boundaries and disposal profiles for remedial activities outlined in the RAWP.

The remedy was implemented from April 2022 through December 2023 and documented in the December 2023 Final Engineering Report (FER). Approximately 39,668 tons of contaminated material was removed and transported to Clean Earth North Jersey (CENJ), located in Kearny, New Jersey, including 9,476 tons of mercury-impacted soil (AOC 3), 7,420 tons of petroleum-impacted soil (AOC 2), and 18,599 tons of historic fill (AOC 1). Ten (10) USTs were uncovered during excavation and closed in accordance with applicable NYSDEC requirements. In addition, approximately 12.9 million gallons of petroleum-impacted groundwater was treated and discharged under NYCDEP permits. A total of 54 endpoint soil samples were collected following excavation to confirm that residual soil met Restricted Residential SCOs. Following remedy completion, an Environmental Easement was recorded in November 2023.

In December 2023, Langan prepared a SMP, which outlined the IC/EC, and long-term monitoring requirements following the completion of the Track 2 remedy and included the following:

- A cover system consisting of clean imported soil, concrete, and/or building slabs across the entire Site.
- An Environmental Easement recorded to restrict site use and prohibit unauthorized excavation.
- A groundwater use restriction prohibiting the use of on-site groundwater for potable purposes.
- A requirement for implementation of a vapor barrier and sub-slab depressurization system (SSDS) in any new construction, unless otherwise approved by NYSDEC.
- Routine inspection, maintenance, and certification of engineering controls as part of annual reporting.
- Procedures for soil disturbance, including notification to NYSDEC and preparation of a CHASP.

- Environmental monitoring, including periodic groundwater sampling and indoor air sampling if warranted based on future use or modification of structures.
- The SMP provides the framework for ongoing compliance with the Environmental Easement and establishes long-term stewardship obligations for current and future site owners.

The NYSDEC issued a Certificate of Completion (COC) for the BCP site on December 29, 2023. Issuance of the COC confirms that the remedial activities were completed in accordance with the approved RAWP and that the BCP site is now subject to IC/EC specified in the SMP and Environmental Easement.

4.0 Site Characterization

The SC field activities described in this section were completed by TRC between July 2023 and February 2025. The SC was completed in general conformance with the NYSDEC DER WA No. D009812-26 Notice to Proceed dated December 2, 2021, the NYSDEC-approved Scope of Work dated July 7, 2022 (approved August 12, 2022), and DER-10. Modifications to the Scope of Work were completed in consultation with the Department.

4.1 Site Characterization Scope of Work

The SC field activities consisted of:

- Implementation of a CAMP, which included real-time monitoring for VOCs, particulates, and mercury vapor at the perimeter of the Site and work area during performance of any intrusive work.
- Performance of utility surveys using geophysical investigation techniques at proposed monitoring well, soil boring, and soil vapor sampling locations prior to the start of intrusive work.
- Advancement of 12 direct-push soil borings (SB101 through SB112). Soil sampling was performed during the advancement of each soil boring. Recovered soil samples were screened using a photoionization detector (PID), Jerome J505 mercury vapor meter, and X-ray fluorescence spectrometer (XRF), and inspected for indication of impacts and geologically logged. A total of 42 soil samples were selected and submitted to Pace Analytical Laboratory (Pace) for analysis. The associated analytical parameters are summarized in Section 4.4 below.
- Installation and development of four monitoring wells (MW1 through MW4).
- Collection and analysis of two rounds of groundwater samples from four monitoring wells (MW1 through MW4). The associated analytical parameters are summarized in Section 4.5 below.
- Collection and analysis of six soil vapor samples (SV1 through SV6) and four ambient air samples (AA1 through AA4). The associated analytical parameters are summarized in Section 4.7 below.
- Survey of locations sampled during the SC activities, which included the recording of the locations and elevations of soil sampling locations, soil vapor sampling locations, and monitoring well locations.

The Sample Location Plan is presented as **Figure 2**. The methods implemented during the SC were in accordance with the NYSDEC-approved generic HASP, Field Activities Plan (FAP), and Quality Assurance Project Plan (QAPP), including modifications for sampling of emerging contaminants (i.e., PFAS). Equipment and materials (e.g., PFAS-free pumps, stainless-steel, high-density polyethylene [HDPE], and polypropylene) used were compatible with recommendations from NYSDEC for sampling of emerging contaminants. In addition, equipment blank samples were collected for TCL VOCs, TCL SVOCs,

PCBs, TCL pesticides, TAL metals, PFAS and 1,4-dioxane analysis to confirm that contamination was not introduced by the sampling methods, equipment or materials.

Standard chain-of-custody procedures were followed for the samples. Quality control samples, including field duplicates and matrix spike and matrix spike duplicates, were collected in accordance with the approved generic QAPP. Category B data deliverable packages were generated.

The scope of work for the SC and associated field methods are further described below.

4.2 Implementation of Community Air Monitoring Plan

TRC implemented a CAMP during intrusive investigation activities in accordance with the NYSDOH generic CAMP and in general accordance with the CAMP included in the May 13, 2020 RIWP, as well as the associated HASP prepared by Langan. Six CAMP stations were utilized during ground intrusive activities. Four stations were positioned at the perimeter of the BCP site and two stations positioned upwind and downwind of the daily work zone. Each station was equipped with a DustTRAK™ II aerosol monitor, MiniRae 3000 PID, and Jerome J505 or Jerome J405 mercury vapor analyzer.

The purpose of the CAMP was to monitor air upwind and downwind of the work area for potential impacts associated with the investigation activities. The CAMP was implemented during soil sampling and monitoring well installation, but not during the utility survey, soil vapor sampling, monitoring well development and sampling, or land surveying. There were no exceedances of the CAMP action levels during the performance of the SC field activities.

4.3 Utility Identification and Protection

Prior to the commencement of intrusive investigation, TRC confirmed that the drilling subcontractor, AARCO Environmental Services Corp. (AARCO), had contacted the One-Call Center, received/reviewed confirmation receipts from each utility, and verified mark-outs prior to intrusive work.

In addition to the public utility mark-out, geophysical surveys were conducted by NOVA Geophysical Services on July 10, 2023 and December 17, 2024 to identify underground utilities in the areas of the proposed boring/monitoring well locations. The geophysical survey equipment consisted of a GSSI UtilityScan 350 MHz and a Software Noggin 250 MHz ground-penetrating radar with shielded antenna sensors, and a RadioDetection RD7100 Electromagnetic utility locator. The geophysical survey encompassed an area extending in at least 15 feet in each direction beyond the proposed soil boring/monitoring well and soil vapor locations.

Structures detected in the subsurface within 10 feet of the proposed boring/monitoring well and soil vapor locations were identified on the ground surface with spray paint, along with the structure's depth. Results of the geophysical surveys are summarized in a brief utility survey report, included in **Appendix A.**

4.4 Subsurface Soil Sampling

Soil borings were advanced by AARCO between July 13 and July 18, 2023, and on December 17, 2024. **Figure 2** presents the soil boring locations. At each soil boring location, soft dig methods were utilized to a depth of 5 feet bgs, followed by direct-push drilling from 5 feet bgs to the boring termination depth. Soil borings were generally advanced to a termination depth of 25 feet bgs; however, SB102 was terminated at 14 feet bgs due to refusal, and SB110 was terminated at 5 feet bgs due to the presence of a utility (suspected steam line) in the immediate vicinity.

Soil samples were inspected by a TRC representative for physical evidence of impacts and screened for the presence of VOCs with a PID. In accordance with the NYSDEC-approved Scope of Work dated July 7, 2022 (approved August 12, 2022), at a minimum, two discrete soil samples were selected from each boring for laboratory analysis. One sample was collected from two to four feet bgs to characterize shallow fill material; a second sample was collected from 0 to 2 feet above the groundwater interface to assess soil conditions in the vadose zone immediately overlying the water table. If impacts were identified, a third sample was collected from the interval exhibiting evidence of impacts, based on PID response, staining, or odor. Where applicable, an additional sample was collected from the first unimpacted interval directly beneath the affected zone to evaluate vertical extent.

During the July 2023 soil sampling, elevated PID reading were recorded in soil borings SB109 and SB111 (maximum of >15,000 and 348.6 parts per million [ppm], respectively). Staining and odor were noted in SB109 from 0.4 to 20.0 feet bgs. In SB111, an odor was noted from 0.3 to 12.8 feet bgs, and staining was present from 0.3 to 21.0 feet bgs. Based on field observations, additional sample intervals were collected from SB109 and SB111 to delineate the vertical extent of impacts.

In addition, soil samples were screened every two linear feet with a handheld X-ray fluorescence spectrometer (XRF) for mercury and a Jerome J505 Mercury Vapor Analyzer for mercury vapor. Based on the findings of the 2020 RI, three soil borings (SB102, SB104, and SB106) were advanced in the vicinity of the former footprint of the 302 Pearl Street thermometer manufacturing facility. Discrete soil samples were collected at two-foot intervals from the ground surface to 16 feet bgs, with the exception of SB102 which was terminated at 14 feet bgs due to refusal.

For the remaining nine soil borings (SB101, SB103, SB105, SB107, SB108, SB109, SB110, SB111, and SB112), select intervals were submitted for laboratory analysis for mercury based on field XRF screening results (i.e., samples with XRF readings exceeding 8 mg/kg were submitted for analysis). Elevated mercury concentrations were detected in soil boring SB101(maximum of 13 ppm) from the 2 to 4 feet bgs depth interval. Soil boring logs are provided in **Appendix B.**

A total of 42 subsurface soil samples were collected from twelve direct-push soil borings and submitted to Con-Test/Pace New England (Pace), a NYSDOH ELAP-certified laboratory, under standard chain-of-custody procedures. The samples were containerized in laboratory-supplied, certified-clean jars in

accordance with USEPA sample preservation and handling protocols. The samples were submitted under standard chain-of-custody procedures for the following analyses:

Soil Sampling and Analysis Plan											
Soil Boring	**Termination Depth (feet bgs)**	**Maximum PID Measurement (ppm)**	**Maximum Mercury Vapor ($\mu g/m^3$)**	**Maximum XRF Measurement (ppm)**	**Sample Depth (feet bgs)**	**TCL VOCs**	**TCL SVOCs**	**TAL Metals + Cyanide**	**Mercury, Total**	**TCL PCBs / Pesticides**	**PFAS**
SB101	25.0	0.0	0.86	13	2 - 4	X	X	X	X	X	X
					8 - 10	X	X	X	X	X	X
SB102	14.0	0.7	0.12	<LOD	0 - 2				X		
					2 - 4	X	X	X	X	X	X
					4 - 6				X		
					6 - 8				X		
					8 - 10	X	X	X	X	X	X
					10 - 12				X		
					12 - 14				X		
SB103	25.0	1.8	0.15	<LOD	2 - 4	X	X	X	X	X	X
					7 - 9	X	X	X	X	X	X
SB104	25.0	2.4	0.71	<LOD	0 - 2				X		
					2 - 4	X	X	X	X	X	X
					4 - 6				X		
					6 - 8				X		
					8 - 10				X		
					10 - 12	X	X	X	X	X	X
					12 - 14				X		
					14 - 16				X		
SB105	25.0	0.0	0.16	<LOD	2 - 4	X	X	X	X	X	X
					13 - 15	X	X	X	X	X	X
SB106	25.0	1.1	0.31	<LOD	0 - 2				X		
					2 - 4	X	X	X	X	X	X
					4 - 6				X		
					6 - 8				X		
					8 - 10				X		
					10 - 12	X	X	X	X	X	X
					12 - 14				X		
					14 - 16				X		
SB107	25.0	0.0	0.08	<LOD	2 - 4	X	X	X	X	X	X
					13- 15	X	X	X	X	X	X
SB108	25.0	0.0	0.04	<LOD	2 - 4	X	X	X	X	X	X
					11 - 13	X	X	X	X	X	X
SB109	25.0	<15,000	0.02	<LOD	2 - 4	X	X	X	X	X	X
					10 - 12	X	X	X	X	X	X
					20 - 22	X	X	X	X	X	X

Soil Sampling and Analysis Plan											
Soil Boring	Termination Depth (feet bgs)	Maximum PID Measurement (ppm)	Maximum Mercury Vapor ($\mu g/m^3$)	Maximum XRF Measurement (ppm)	Sample Depth (feet bgs)	TCL VOCs	TCL SVOCs	TAL Metals + Cyanide	Mercury, Total	TCL PCBs / Pesticides	PFAS
SB110	5.0	0.0	0.02	<LOD	2 - 4	X	X	X	X	X	X
SB111	25.0	348.6	0.11	<LOD	2 - 4	X	X	X	X	X	X
					8 - 10	X	X	X	X	X	X
					22 - 24	X	X	X	X	X	X
SB112	20.0	0.0	0.12	<LOD	2 - 4	X	X	X	X	X	X
					8 - 10	X	X	X	X	X	X

Notes:

LOD – Limit of Detection.

Duplicate soil samples were collected from SB102-SO-(4-6), SB106-SO-(2-4), SB109-SO-(2-4), and SB111-SO-(2-4).

Quality control samples, including matrix spike and matrix spike duplicates, were collected and analyzed in accordance with the generic QAPP.

4.5 Monitoring Well Installation and Development

Following sample collection, three borings (SB103/MW3, SB105/MW2, and SB109/MW4) were converted to groundwater monitoring wells. In addition, one monitoring well (MW1) was installed upgradient of the BCP site. Monitoring wells MW1 and MW2 are located on the northern sidewalk of Pearl Street between Peck Slip and Beekman Street. Monitoring well MW3 is located on the eastern sidewalk of Peck Slip between Pearl Street and Water Street. Monitoring well MW4 is located on southwest corner of Water Street and Peck Slip (**Figure 2**).

Monitoring wells were constructed utilizing 2-inch diameter Schedule 40 poly-vinyl chloride (PVC) riser and 15 feet of 10-slot screen. Consistent with the NYSDEC-approved Scope of Work dated July 7, 2022 (approved August 12, 2022), well screens were positioned to extend from approximately 5 feet above to 10 feet below the observed groundwater surface at each location. The annulus between the well and borehole wall was backfilled with Morie No. 2 sand to 2 feet above the well screen. A 1-foot thick layer of choker sand (Morie No. 00) was placed directly above the filter pack. A 2-foot thick hydrated bentonite seal was placed directly above the choker sand, and the remaining annular space above the seal was grouted to the ground surface. Each well was completed at ground surface with a locking expansion plug and within a flush-to-grade protective casing and concrete pad. Monitoring well construction logs are provided in **Appendix C**.

Following installation, AARCO developed each monitoring well utilizing surging and pumping. Groundwater quality parameters were monitored prior to, during, and at the conclusion of development. Monitoring well development logs are provided in **Appendix D**.

4.6 Groundwater Sampling and Gauging

Groundwater samples were collected from four monitoring wells (MW1, MW2, MW3, and MW4) on August 2, 2023 and November 21, 2023.

Prior to sample collection, the groundwater monitoring wells were gauged for total depth, depth to water, and depth to product (if any). Groundwater surface elevations and inferred groundwater surface elevation contours, based on measurements collected in August 2023 and November 2023, are shown on **Figure 3** and **Figure 4**, respectively. Additionally, headspace readings were collected from each monitoring well using a PID. Monitoring wells were purged using a peristaltic pump and PFAS-free, dedicated, HDPE tubing connected to a flow-through cell for monitoring water quality parameters. Low-flow purging techniques consistent with USEPA Low-Stress (Low-Flow) sampling procedures were used to minimize drawdown and suspension of particulate matter in the wells during purging. Water quality parameters, including temperature, pH, conductivity, dissolved oxygen concentration, oxidation reduction potential, and turbidity were recorded prior to and during purging. Groundwater samples were collected after field parameters stabilized within established ranges, generally within ±10 percent for three consecutive readings, three to five minutes apart. Pumping rates were maintained between 100 milliliters per minute and 500 milliliters per minute to effect minimal drawdown. Water quality readings collected during the sampling event were recorded on low-flow groundwater sampling logs by TRC and are included in **Appendix D**. Non-aqueous phase liquid was not encountered during the gauging or sampling activities.

Following stabilization of the water quality parameters, groundwater samples were collected, placed into laboratory supplied bottles, packaged in a cooler with ice, and submitted to Pace under standard chain-of-custody procedures for the following analyses:

Groundwater Sampling and Analysis Plan						
Monitoring Well	**TCL VOCs**	**TCL SVOCs**	**TAL Metals + Cyanide (Filtered and Unfiltered)**	**TCL PCBs / Pesticides**	**PFAS**	**1,4-Dioxane**
MW1	X	X	X	X	X	X
MW2	X	X	X	X	X	X
MW3	X	X	X	X	X	X
MW4	X	X	X	X	X	X

Quality control samples, including equipment blank and trip blank samples, were collected and analyzed in accordance with the generic QAPP.

4.7 Soil Vapor and Ambient Air Sampling

Soil vapor samples were collected from five temporary soil vapor points (SV1, SV2, SV4, SV5, and SV6) from July 13 to 18, 2023 and one temporary soil vapor point (SV3) on December 17, 2024. The temporary soil vapor points were installed at 8 feet bgs utilizing soft dig methods to a depth of 5 feet bgs, followed by a Geoprobe 7822DT direct-push drill rig. Soil vapor samples were collected in conformance with the applicable procedures described in the NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York, dated October 2006.

During each sampling event, the adequacy of each seal was tested in accordance with the NYSDOH-approved method for vapor sampling using a 5-gallon bucket placed over the probe and sealed from ambient air using hydrated bentonite. Helium tracer gas was allowed to fill air space inside the bucket, and the above grade end of the tubing, which was the sample collection point, was attached to a helium gas detector. The adequacy of the seal was verified by direct helium readings of less than 10 percent. Each soil vapor implant was then purged utilizing a PID to evacuate three volumes of soil vapor. The PID and Jerome J505 mercury vapor analyzer were used to screen the sample tubing for the presence of VOCs and mercury vapor. Soil vapor sampling forms are included in **Appendix E**.

Soil vapor samples were collected in laboratory supplied 6-liter "batch-certified" SUMMA canisters and laboratory provided sorbent tubes over a 2-hour sample period. Immediately after opening each SUMMA canister, the initial vacuum (inches of mercury) was recorded. After approximately 2 hours, a final vacuum reading (inches of mercury) was recorded, and each SUMMA canister was closed. Following collection, the soil vapor samples were labeled, sealed and shipped to Pace for analysis. The samples were analyzed for VOCs by USEPA Method TO-15 (air canister) and for mercury vapor by NIOSH Method 6009 (sorbent tube and pump).

4.8 Site Survey

On August 2, 2023, LaBerge Group, a New York State-licensed land surveyor subcontracted to TRC, completed a survey of the locations and elevations (ground surface, top of riser, and top of protective manhole cover) for the four monitoring wells installed in July 2023. On February 20, 2025, LaBerge Group conducted a survey of the locations and elevations of soil borings and soil vapor points. The survey conducted on February 20, 2025, also identified a point labeled MW5, which is not associated with a monitoring well installed as part of this Site Characterization. MW5 corresponds to a legacy vapor point installed under a separate investigation and was not utilized during the SC.

4.9 Investigation Derived Waste

Investigation-derived waste (IDW) generated during the investigation included water from well development, groundwater sampling, and equipment decontamination, as well as soil from drilling activities. IDW was placed in United States Department of Transportation (USDOT) approved 55-gallon drums for proper characterization and off-Site disposal. Five drums of non-hazardous wastewater and one drum of hazardous soil (lead-impacted; waste code D008 USEPA ID No. NYP000262915) were generated.

On August 23, 2023, IDW was transported by Brookside Environmental, Inc. of Baldwin, New York for off-Site disposal at Veolia Environmental Services of Copiague, New York. Waste disposal manifests are provided in **Appendix F**.

5.0 Discussion of Results

This section presents a discussion of the results of the SC. The results of laboratory analyses are summarized in **Tables 1A through 1G, 2A through 2F, and 3.** The results of validation of the laboratory analytical data are summarized in the Data Usability Summary Reports (DUSRs) in **Appendix G**. The data validation was performed in accordance with NYSDEC requirements, including the requirements for development of DUSRs in Appendix 2B of DER-10. The complete Analytical Services Protocol (ASP) Laboratory Analytical Data Reports will be provided separately from this report as an electronic data summary.

5.1 Site Geology and Hydrogeology

The information gathered during the SC shows that the subsurface geology consists primarily of fill material, underlain by sand with variable amounts of silt and/ or clay. Fill material was encountered in soil from directly below the concrete cover to a maximum depth of 16.8 feet bgs. The fill material consisted of gravel, brick, asphalt, concrete, glass, and wood. Soil boring logs are presented in **Appendix B**.

According to Charles A. Bakersville's 1994 Bedrock and Engineering Geologic Maps of New York County and Parts of Kings and Queens Counties, New York, and Parts of Bergen and Hudson Counties, New Jersey, the Site area is underlain by Manhattan Schist, and is composed primarily of gray, medium to coarse grained, layered sillimanite-muscovite-biotite-kyanite schist and gneiss interlayered with layered tourmaline-garnet-plagioclase-biotite-quartz schist and gneiss with black amphibolite layers. Bedrock is expected at approximately 125 feet bgs.

Depths to groundwater measured during the SC varied from approximately 6.81 feet below top of casing (btoc) in monitoring well MW4 to 19.85 feet btoc in monitoring well MW1 in August 2023, and 6.90 feet btoc in monitoring well MW4 and 19.56 feet btoc in monitoring well MW1 in November 2023. The following table summarizes Site monitoring well survey coordinates, ground surface elevations, top of riser elevations, depth to water measurements, and associated groundwater surface elevations for August and November 2023.

Groundwater Monitoring Well Survey and Gauging Information

Monitoring Well	Coordinates (Northing/Easting)	Top of Casing Elevation (feet)	Top of PVC Elevation (feet)	Depth to Water Aug-23 (feet btoc)	Groundwater Surface Elevation Aug-23 (feet)	Depth to Water Nov-23 (feet btoc)	Groundwater Surface Elevation Nov-23 (feet)
MW-1	197,455.65/ 983,160.79	20.47	20.10	19.85	0.62	19.56	0.91
MW-2	197,349.18/ 983,337.56	16.59	16.22	16.09	0.50	15.67	0.92
MW-3	197,438.36/ 983,654.52	10.06	9.69	10.21	-0.15	10.62	-0.56
MW-4	197,263.51/ 983,658.04	5.75	5.38	6.81	-1.06	6.90	-1.15

Notes:

Horizontal Datum: North American Datum of 1983, Long Island Zone (NAD83).

Vertical Datum: North American Vertical Datum of 1988 (NAVD88).

As shown on the table above, on November 21, 2023, groundwater surface elevations at the Site monitoring wells ranged from approximately -1.15 feet NAVD88 in monitoring well MW4 (located in the southern portion of the Site) to 0.92 feet NAVD88 in monitoring well MW2 (located in the northwestern portion of the Site). Based on two rounds of groundwater surface elevation measurements recorded in August and November 2023, the inferred predominant groundwater flow direction is to the southeast towards the East River (approximately 550 feet south of the Site). The groundwater elevations and/or flow directions may vary due to hydrogeologic and anthropogenic variables such as seasonal fluctuations in precipitation, local use demands, geology, underground structures, and nearby dewatering operations. Other variables that could influence groundwater flow include the presence of artificial fill and local stratigraphy.

Groundwater surface elevations and inferred groundwater surface elevation contours are shown on **Figures 3 and 4** (based on measurements collected in August 2023 and November 2023, respectively). Cross-sections A-A' and B-B' (**Figures 5 and 6**) depict the geology at the Site and surrounding area based on the boring logs completed in July 2023 and December 2024.

5.2 Applicable Standards, Criteria, and Guidance

This subsection identifies the regulatory standards and guidelines used to evaluate the results of the analyses of soil, groundwater, and soil vapor. The standards and guidelines used to evaluate the data associated with each of these specific media are described individually in the following sections.

5.2.1 Soil

Subsurface soil analytical results were evaluated by comparison to the Unrestricted Use Unrestricted Use SCOs presented in Table 375-6.8(a) of 6 NYCRR 375, and the Restricted Residential Use Restricted Residential Use SCO, presented in Table 375-6.8(b) of 6 NYCRR 375. Soil samples analyzed for PFAS compounds, perfluorooctanoic acid (PFOA), and perfluorooctanesulfonic acid (PFOS) were evaluated by comparison to the proposed SCOs outlined in the NYSDEC Guidance Document titled "Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS)" dated April 2023 (PFAS Guidance).

5.2.2 Groundwater

Groundwater analytical results were evaluated by comparison to TOGS Class GA Values. Additionally, groundwater analytical results for 1,4-dioxane and PFAS, PFOA, and PFOS were evaluated by comparison to the standards outlined in the NYSDEC Guidance Document titled "2023 Addendum to June 1998 Division of Water TOGS No.1.1.1" (February 2023), and in the proposed revision to TOGS 1.1.1 ("Proposed Class GA Values").

5.2.3 Soil Vapor

No applicable standards, criteria or guidance values currently exist for soil vapor in New York State. However, NYSDOH provides decision matrices in the Guidance for Evaluating Soil Vapor Intrusion in the State of New York (October 2006, revised February 2024), to assess the potential for vapor intrusion based on detected concentrations of VOCs. The matrices rely in part on analytical results from indoor air and sub-slab vapor samples, which were not collected as part of this investigation. Soil vapor analytical results were compared to sub-slab vapor criteria presented in the matrices for screening purposes only.

5.3 Evaluation of Soil Analytical Results

A summary of the results of the analyses of the soil samples is presented in **Tables 1A through 1G**. A review of the results of the analyses of the soil samples is presented below in subsections 5.3.1 through 5.3.8.

5.3.1 VOCs in Soil

Acetone, a common laboratory solvent, was detected at a concentration above the Unrestricted Use SCO in 1 of 28 soil samples submitted for laboratory analysis. Refer to **Table 1A** for a complete summary of the analytical results for VOCs in soil.

5.3.2 SVOCs in Soil

One or more SVOCs were detected at concentrations above Unrestricted Use SCO and/or Restricted Residential Use SCO in 6 of the 28 soil samples submitted for laboratory analysis. A summary of the SVOCs detected at concentrations above the SCOs in soil is presented in the table below. Refer to **Table 1B** for a complete summary of the analytical results for SVOCs in soil, and **Figure 7** for an illustration of the associated soil boring locations and the SVOC concentrations above SCOs in soil.

Summary of SVOC Concentrations Above SCOs in Soil								
Sample Location:			**SB101**	**SB102**		**SB105**	**SB108**	**SB112**
Sample Date:			**7/12/2023**	**12/17/2024**	**12/17/2024**	**7/12/2023**	**7/14/2023**	**7/14/2024**
Sampling Depth (feet bgs):			**2 - 4**	**2 - 4**	**8 - 10**	**2 - 4**	**2 - 4**	**2 - 4**
Analyte	**Unrestricted Use SCO**	**Restricted Residential Use SCO**	**Results**	**Results**	**Results**	**Results**	**Results**	**Results**
Benzo(a)anthracene	1	1	**37**	**1.3**	**3.1**	**5.8**	**1.0**	**4.4**
Benzo(a)pyrene	1	1	**35**	**1.3**	**2.3**	**5.7**	**1.1**	**4.2**
Benzo(b)fluoranthene	1	1	**47**	**1.9**	**3.2**	**7.8**	**1.3**	**5.7**
Benzo(k)fluoranthene	0.8	3.9	**16**	**0.72**	**1.2**	**2.5**	**0.46**	**2.4**
Chrysene	1	3.9	**36**	**1.4**	**3.2**	**5.6**	**0.94**	**4.0**
Dibenz(a,h)anthracene	0.33	0.33	**4.4**	**0.39**	**0.57**	**0.86**	**0.14 J**	**0.66**
Indeno(1,2,3-cd)pyrene	0.5	0.5	**19 J**	**1.8**	**2.6**	**3.2 J**	**0.65**	**2.9**

Notes:
All concentrations are in milligrams per kilogram (mg/kg).
Unrestricted Use SCO: Unrestricted Use Soil Cleanup Objective
Restricted Residential Use SCO: Restricted Residential Use Soil Cleanup Objectives
SCO: Soil Cleanup Objective
J: Estimated value
Values in **bold** indicate the analyte was detected.
Shading indicated results above corresponding SCO.

5.3.3 PCBs in Soil

Total PCBs were detected at concentrations greater than the Unrestricted Use SCO in 1 of the 28 soil samples submitted for laboratory analysis. The total PCB concentration detected in the soil samples are presented in the table below. Refer to **Table 1C** for a complete summary of the analytical results for PCBs in soil, and **Figure 8** for an illustration of soil boring locations and the PCB concentrations in soil above SCOs.

Summary of PCB Concentrations Above SCO in Soil				
Sample Location:			**SB111**	
Sample Date:			**7/14/2023**	**7/14/2023**
Sampling Depth (feet bgs):			**2 - 4**	**2 - 4***
Analyte	**Unrestricted Use SCO**	**Restricted Residential Use SCO**	**Results**	**Results**
Total PCBs	0.1	1	**0.47**	**0.72**

Notes:
Concentrations are in milligrams per kilogram (mg/kg).
Unrestricted Use SCO: Unrestricted Use Soil Cleanup Objective
Restricted Residential Use SCO: Restricted Residential Use Soil Cleanup Objectives
SCO: Soil Cleanup Objective
Values in **bold** indicate the analyte was detected.
Shading indicated results above corresponding SCO.
* Duplicate sample collected from SB111-SO-(2-4)

5.3.4 Pesticides in Soil

One or more pesticides were detected at concentrations greater than Unrestricted Use SCOs in 4 of the 28 soil samples submitted for analysis. Pesticides were not detected in soil at concentrations greater than Restricted Residential Use SCOs. A summary of the pesticides detected at concentrations above the Unrestricted Use SCOs in soil is presented in the table below. Refer to **Table 1D** for a complete summary of the analytical results for pesticides in soil, and **Figure 8** for an illustration of soil boring locations and the pesticides concentrations in soil above SCOs.

Summary of Pesticide Concentrations Above SCOs in Soil						
Sample Location:			**SB101**	**SB105**	**SB107**	**SB109**
Sample Date:			**7/12/2023**	**7/12/2023**	**7/17/2023**	**7/13/2023**
Sampling Depth (feet bgs):			**2 - 4**	**2 - 4**	**2 - 4**	**2 - 4***
Analyte	**Unrestricted Use SCO**	**Restricted Residential Use SCO**	**Results**	**Results**	**Results**	**Results**
4,4-DDD	0.0033	13	0.25 U	**0.035 J**	0.022 U	0.22 U
4,4-DDE	0.0033	8.9	**0.11 J**	**0.090 J**	0.022 U	**0.040 J**
4,4-DDT	0.0033	7.9	**0.18 J**	**0.097**	**0.0082 JH**	0.22 U

Notes:
Concentrations are in milligrams per kilogram (mg/kg).
Unrestricted Use SCO: Unrestricted Use Soil Cleanup Objective
Restricted Residential Use SCO: Restricted Residential Use Soil Cleanup Objectives
SCO: Soil Cleanup Objective
J: Estimated value
JH: Estimated value, biased high
U: Non-detect
Values in **bold** indicate the analyte was detected.
Shading indicated results above corresponding SCO.
* Duplicate sample collected from SB109-SO-(2-4)

5.3.5 Metals in Soil

One or more metals (excluding mercury; refer to Section 5.3.6) were detected at concentrations above the Unrestricted Use SCOs and/or Restricted Residential Use SCOs in 13 of 28 soil samples submitted for laboratory analysis. A summary of metals detected in soil at concentrations above the SCOs is presented in the table below. Refer to **Table 1E** for a complete summary of the analytical results for metals in soil, and **Figure 9** for an illustration of soil boring locations and metal concentrations in soil above SCOs. Analytical results for mercury are provided in the subsection below.

Summary of Metal Concentrations Above SCOs in Soil									
Sample Location:			**SB101**		**SB102**		**SB103**	**SB105**	**SB106**
Sample Date:			**7/12/2023**	**7/12/2023**	**12/17/2024**	**12/17/2024**	**7/18/2023**	**7/12/2023**	**12/17/2024**
Sampling Depth (feet bgs):			**2 - 4**	**8 - 10**	**2 - 4**	**8 - 10**	**2 - 4**	**2 - 4**	**2 - 4**
Analyte	**Unrestricted Use SCO**	**Restricted Residential Use SCO**	**Results**	**Results**	**Results**	**Results**	**Results**	**Results**	**Results**
Arsenic	13	16	**20 J**	**1.4 J**	**6.5**	**5.7**	**1.6 J**	**7.1 J**	**55**
Barium	350	400	**490**	**47**	**140**	**170**	**39 J**	**390**	**51**
Cadmium	2.5	4.3	**4.9**	0.42 U	0.38 U	0.39 U	0.34 UJ	**0.49**	0.35 U
Copper	50	270	**1,000 JH**	**16 JH**	**32 J**	**82 J**	**24 JH**	**210 JH**	**16 J**
Lead	63	400	**1,900 J**	**4.8 J**	**250**	**330**	**24 J**	**1,100 J**	**5.9**
Nickel	30	310	**66 J**	**36 J**	**31**	**19**	**36**	**40 J**	**21**
Zinc	109	10,000	**2,900 J**	**19 J**	**70**	**410**	**21 J**	**1,100 J**	**45**

Summary of Metal Concentrations Above SCOs in Soil								
Sample Location:			**SB106**	**SB107**	**SB108**	**SB109**	**SB111**	**SB112**
Sample Date:			**12/17/2024**	**7/17/2023**	**7/14/2023**	**7/13/2023**	**7/14/2023**	**7/14/2023**
Sampling Depth (feet bgs):			**2 - 4***	**2 - 4**	**2 - 4**	**10 - 12**	**8 - 10**	**2 - 4**
Analyte	**Unrestricted Use SCO**	**Restricted Residential Use SCO**	**Results**	**Results**	**Results**	**Results**	**Results**	**Results**
Arsenic	13	16	**41**	**1.7 J**	**6.5 JH**	**2.2 J**	**5.3 JH**	**8.7 JH**
Barium	350	400	**100**	**57 J**	**54 J**	**51 J**	**400 J**	**62 J**
Cadmium	2.5	4.3	0.33 U	**0.16 J**	**0.19 J**	0.43 U	0.42 UJ	**0.97 J**
Copper	50	270	**29 J**	**43**	**34 J**	**110 JH**	**33 J**	**51 J**
Lead	63	400	**380**	**200 J**	**110 J**	**180**	**210 J**	**330 J**
Nickel	30	310	**12**	**15 J**	**18 J**	**12**	**11 J**	**21 J**
Silver	2	180	**0.31 J**	**1.2 JH**	**1.2 JH**	0.43 U	**0.90 JH**	**2.2 JH**
Zinc	109	10,000	**72**	**89 J**	**51**	**37 JH**	**110**	**200**

Notes:

Concentrations are in milligrams per kilogram (mg/kg).
Unrestricted Use SCO: Unrestricted Use Soil Cleanup Objective
Restricted Residential Use SCO: Restricted Residential Use Soil Cleanup Objectives
SCO: Soil Cleanup Objective
B: Analyte is found in associated laboratory blank as well as in the sample
J: Estimated value
JH: Estimated value, biased high
U: Non-detect
UJ: Estimated non-detect
Values in **bold** indicate the analyte was detected.
Shading indicated results above corresponding SCO.
* Duplicate sample collected from SB106-SO-(2-4)

5.3.6 Mercury in Soil

Mercury was detected at concentrations above the Unrestricted Use SCO and/or Restricted Residential Use SCO in 22 soil samples submitted for laboratory analysis. Refer to **Table 1F** for a complete summary of the analytical results for mercury in soil, and **Figure 10** for an illustration of soil boring locations and mercury concentrations in soil above SCOs.

Summary of Mercury Concentrations Above SCOs in Soil								
Sample Location:			**SB101**	**SB102**				
Sample Date:			**7/12/2023**	**12/17/2024**	**12/17/2024**	**12/17/2024**	**12/17/2024**	**12/17/2024**
Sampling Depth (feet bgs):			**2 - 4**	**0 - 2**	**2 - 4**	**4 - 6**	**4 - 6***	**6 - 8**
Analyte	**Unrestricted Use SCO**	**Restricted Residential Use SCO**	**Results**	**Results**	**Results**	**Results**	**Results**	**Results**
Mercury	0.18	0.81	**6.0**	**1.8 JL**	**8.4 JL**	**4.1 JL**	**5.1 JL**	**29 JL**

Summary of Mercury Concentrations Above SCOs in Soil								
Sample Location:			**SB102**			**SB103**	**SB104**	
Sample Date:			**12/17/2024**	**12/17/2024**	**12/17/2024**	**7/18/2023**	**12/17/2024**	**12/17/2024**
Sampling Depth (feet bgs):			**8 - 10**	**10 - 12**	**12 - 14**	**2 - 4**	**0 - 2**	**2 - 4**
Analyte	**Unrestricted Use SCO**	**Restricted Residential Use SCO**	**Results**	**Results**	**Results**	**Results**	**Results**	**Results**
Mercury	0.18	0.81	**4.2 JL**	**2.0 JL**	**2.4 JL**	**0.27**	**0.32**	**0.52**

Summary of Mercury Concentrations Above SCOs in Soil								
Sample Location:			**SB104**			**SB105**	**SB106**	**SB107**
Sample Date:			**12/17/2024**	**12/17/2024**	**12/17/2024**	**12/17/2024**	**12/17/2024**	**12/17/2024**
Sampling Depth (feet bgs):			**4 - 6**	**8 - 10**	**10 - 12**	**2 - 4**	**2 - 4**	**2 - 4**
Analyte	**Unrestricted Use SCO**	**Restricted Residential Use SCO**	**Results**	**Results**	**Results**	**Results**	**Results**	**Results**
Mercury	0.18	0.81	**0.61**	**0.28**	**0.36**	**1.4**	**1.8**	**2.3**

Summary of Mercury Concentrations Above SCOs in Soil						
Sample Location:			**SB108**	**SB111**		**SB112**
Sample Date:			**12/17/2024**	**12/17/2024**	**12/17/2024**	**12/17/2024**
Sampling Depth (feet bgs):			**2 - 4**	**2 - 4**	**8 - 10**	**2 - 4**
Analyte	**Unrestricted Use SCO**	**Restricted Residential Use SCO**	**Results**	**Results**	**Results**	**Results**
Mercury	0.18	0.81	**0.38 JH**	**0.59**	**0.70**	**0.58**

Notes:
Concentrations are in milligrams per kilogram (mg/kg).
Unrestricted Use SCO: Unrestricted Use Soil Cleanup Objective
Restricted Residential Use SCO: Restricted Residential Use Soil Cleanup Objectives
SCO: Soil Cleanup Objective
JH: Estimated value, biased high
JL: Estimated value, biased low
Values in **bold** indicate the analyte was detected.
Shading indicated results above corresponding SCO.
* Duplicate sample collected from SB102-SO-(4-6)

5.3.7 Per- and Polyfluoroalkyl Substances in Soil

Perfluorooctanoic Acid (PFOA) and/or perfluorooctanesulfonic acid (PFOS) were detected at concentrations above the Unrestricted Use SCOs in two soil samples submitted for laboratory analysis. Refer to **Table 1G** for a complete summary of the analytical results for PFAS concentrations in soil, and **Figure 11** for an illustration of soil boring locations and PFAS concentrations in soil above SCOs.

Summary of PFAS Concentrations Above SCOs in Soil				
Sample Location:			**SB101**	**SB107**
Sample Date:			**7/12/2023**	**7/17/2023**
Sampling Depth (feet bgs):			**2 - 4**	**2 - 4**
Analyte	**Unrestricted Use SCO**	**Restricted Residential Use SCO**	**Results**	**Results**
Perfluorooctanoic Acid (PFOA)	0.66	33	**0.83**	**0.21**
Perfluorooctanesulfonic Acid (PFOS)	0.88	44	**0.19 J**	**1.6**

Notes:

Concentrations are in micrograms per kilogram (µg/kg).
Unrestricted Use SCO: Unrestricted Use Soil Cleanup Objective
Restricted Residential Use SCO: Restricted Residential Use Soil Cleanup Objectives
SCO: Soil Cleanup Objective
J: Estimated value
Values in **bold** indicate the analyte was detected.
Shading indicated results above corresponding SCO.

5.3.8 1,4-Dioxane in Soil

1,4 - Dioxane was not detected at concentrations above the laboratory quantitation limit in the soil samples submitted for laboratory analysis. Refer to **Table 1B** for a complete summary of the analytical results for 1,4 - Dioxane in soil.

5.4 Groundwater Sampling

A summary of the results of the analyses of the groundwater samples is presented in **Tables 2A through 2F.** Evaluations of these results are presented below in subsections 5.4.1 through 5.4.7.

5.4.1 VOCs in Groundwater

Isopropylbenzene was detected in groundwater above the Class GA value in 2 of 10 samples submitted for laboratory analysis. A summary of the isopropylbenzene concentrations above the Class GA Value in groundwater is presented in the table below. Refer to **Table 2A** for a complete summary of the analytical results for VOCs in groundwater. and **Figure 12** for an illustration of monitoring well locations and the isopropylbenzene concentrations in groundwater above the Class GA Value.

Summary of VOC Concentrations Above Class GA Values in Groundwater			
Sample Location:		**MW4**	
Sample Date:		**8/2/2023**	**8/2/2023***
Analyte	**Class GA Value**	**Results**	**Results**
Isopropylbenzene (Cumene)	5	**7.1**	**6.8**

Notes:
Concentrations are in micrograms per liter (µg/L).
Values in **bold** indicate the analyte was detected.
Shading indicated results above corresponding criteria.
*Duplicate sample collected from MW4.

5.4.2 SVOCs in Groundwater

Phenol was detected in groundwater above the Class GA Value in 5 of the 10 samples submitted for laboratory analysis. 1,4-Dioxane was detected in groundwater in 1 of the 10 samples submitted for laboratory analysis. A summary of the SVOCs detected at concentrations above the Class GA Values in groundwater is presented in the table below. Refer to **Table 2B** for a complete summary of the analytical results for SVOCs in groundwater, and **Figure 12** and **Figure 13** for an illustration of monitoring well locations and the SVOC concentrations in groundwater above Class GA Values.

Summary of SVOC Concentrations Above Class GA Values in Groundwater						
Sample Location:		**MW1**		**MW3**	**MW4**	
Sample Date:		**8/2/2023**	**11/21/2023**	**11/21/2023**	**8/2/2023**	**8/2/2023***
Analyte	**Class GA Value**	**Results**	**Results**	**Results**	**Results**	**Results**
Phenol	0.003	**6.4 J**	**10**	**8.3 J**	**1.2 J**	**7.4 J**
1,4-Dioxane	0.35	**0.19 U**	**0.21 UJ**	**0.19 UJ**	**0.67**	**0.2 U**

Notes:
Concentrations are in micrograms per liter (µg/L).
J: Estimated value
U: Non-detect
UJ: Estimated non-detect
Values in **bold** indicate the analyte was detected.
Shading indicated results above corresponding criteria.
*Duplicate sample collected from MW4.

5.4.3 PCBs in Groundwater

PCBs were not detected at concentrations above the laboratory quantitation limits in the groundwater samples submitted for analysis. Refer to **Table 2C** for a complete summary of the analytical results for PCBs in groundwater.

5.4.4 Pesticides in Groundwater

Pesticides were not detected at concentrations above the laboratory quantitation limits in the groundwater samples submitted for analysis. Refer to **Table 2D** for a complete summary of the analytical results for pesticides in groundwater.

5.4.5 Metals in Groundwater

One or more metals were detected above Class GA Values in seven groundwater samples submitted for laboratory analysis. A summary of metals detected at concentrations above the Class GA Values in groundwater is presented in the table below. Refer to **Table 2E** for a complete summary of the analytical results for metals in groundwater. **Figure 12** presents the monitoring well locations and the metal concentrations in groundwater above Class GA Values.

Summary of Total Metal Concentrations Above Class GA Values in Groundwater

Sample Location:		MW1	MW2		MW3		MW4		
Sample Date:		**8/2/2023**	**8/2/2023**	**11/21/2023**	**8/2/2023**	**11/21/2023**	**8/2/2023**	**8/2/2023***	**11/21/2023**
Analyte	**Class GA Value**	**Results**	**Results**	**Results**	**Results**	**Results**	**Results**	**Results**	**Results**
Antimony	0.003	0.05 UJ	**0.12 J**	**0.15**	0.05 UJ	0.05 U	0.05 UJ	0.05 UJ	0.05 U
Iron	0.3	**0.80**	**0.61**	**0.25**	0.05 U	**0.25**	**3.0**	**3.0**	**1.6**
Manganese	0.3	**0.086 J**	**0.58 J**	**0.25**	**4.0**	**1.1**	**0.55**	**0.58 J**	**0.83**
Sodium	20	**10**	**30**	**22 J**	**130**	**120 J**	**300**	**320**	**310 J**

Summary of Dissolved Metal Concentrations Above Class GA Values in Groundwater

Sample Location:		MW2			MW3		MW4		
Sample Date:		**8/2/2023**	**8/2/2023**	**11/21/2023**	**8/2/2023**	**11/21/2023**	**8/2/2023**	**8/2/2023***	**11/21/2023**
Analyte	**Class GA Value**	**Results**	**Results**	**Results**	**Results**	**Results**	**Results**	**Results**	**Results**
Antimony	0.003	0.05 U	**0.098**	**0.14**	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Iron	0.3	0.05 UJ	**0.13 J**	**0.031 J**	0.05 UJ	0.05 U	**3.5 J**	**3.5 J**	**1.4**
Manganese	0.3	0.01 U	**0.62**	**0.25**	**3.5 J**	**0.97**	**0.55 J**	**0.55**	**0.80**
Sodium	20	**9.1 J**	**31 J**	**23**	**130 J**	**120**	**310 J**	**340 J**	**310**

Notes:

Concentrations are in milligrams per liter (mg/L).
J: Estimated value
U: Non-detect
UJ: Estimated non-detect
Values in **bold** indicate the analyte was detected.
Shading indicated results above corresponding criteria.
*Duplicate sample collected from MW4.

5.4.6 Per- and Polyfluoroalkyl Substances in Groundwater

PFOA and PFOS were detected at concentrations greater than Class GA Values in the 10 groundwater samples submitted for laboratory analysis. A summary of PFAS detected at concentrations above the Class GA Values in groundwater is presented in the table below. Refer to **Table 2F** for a complete summary of the analytical results for PFAS in groundwater. **Figure 13** presents the monitoring well locations and the PFAS concentrations in groundwater above Class GA Values.

Summary of PFAS Concentrations Above Class GA Values in Groundwater						
Sample Location:		**MW1**			**MW2**	
Sample Date:		**8/2/2023**	**11/21/2023**	**11/21/2023[1]**	**8/2/2023**	**11/21/2023**
Analyte	**Class GA Value**	**Results**	**Results**	**Results**	**Results**	**Results**
Perfluorooctanoic Acid (PFOA)	6.7	**19**	**150 J**	**140 J**	**110**	**220 J**
Perfluorooctanesulfonic Acid (PFOS)	2.7	**6.7 JH**	**29 J**	**26 J**	**14 JH**	**34 J**

Summary of PFAS Concentrations Above Class GA Values in Groundwater						
Sample Location:		**MW3**		**MW4**		
Sample Date:		**8/2/2023**	**11/21/2023**	**8/2/2023**	**8/2/2023***	**11/21/2023**
Analyte	**Class GA Value**	**Results**	**Results**	**Results**	**Results**	**Results**
Perfluorooctanoic Acid (PFOA)	6.7	**24**	**22 J**	**50**	**49**	**38 J**
Perfluorooctanesulfonic Acid (PFOS)	2.7	**36 JH**	**66 J**	**52 JH**	**52 JH**	**31 J**

Notes:
Concentrations are in nanograms per liter (ng/L).
J: Estimated value
JH: Estimate value, biased high
Values in **bold** indicate the analyte was detected.
Shading indicated results above corresponding criteria.
*Duplicate sample collected from MW4.
[1]Duplicate sample collected from MW1.

5.5 Soil Vapor and Ambient Air Sampling and Analyses

One or more of 46 VOCs were detected in the six soil vapor samples submitted for laboratory analysis. PCE was detected in sample SV3 at a concentration of 602 µg/m³. Based on comparison of PCE to the NYSDOH Vapor Intrusion Decision Matrices (Matrix B), the guidance indicates no further action, monitoring, or mitigation is recommended, depending on the corresponding indoor air concentrations and if the soil vapor results are representative of sub-slab vapor concentrations. Note that sample SV3 is located on the southern Pearl Street sidewalk, and historically the highest concentrations of VOCs in soil vapor were also detected near the Pearl Street sidewalk, where PCE was detected at a maximum concentration of 827 µg/m³. The concentrations of PCE in the remaining soil vapor samples collected during the SC ranged from 3.1 to 86 µg/m³.

Additionally, benzene was detected in soil vapor sample SV6, at a concentration of 660 µg/m³. Based on comparison of benzene to the NYSDOH Vapor Intrusion Decision Matrices (Matrix D), mitigation is the recommended action. SV6 is located on the southern Water Street sidewalk and adjacent to soil boring SB111, where elevated PID readings of 348.6 ppm were detected in recovered soil samples.

No further action or identify sources and resample or mitigate is the recommend action based on comparison of the remaining soil vapor results to the NYSDOH Vapor Intrusion Decision Matrices, if the soil vapor results are representative of sub-slab vapor concentrations.

Mercury vapor was not detected in the soil vapor samples. The complete results of the analyses of soil vapor samples for VOCs and mercury vapor are presented in **Table 3. Figure 14** presents soil vapor sample locations and results for select chlorinated and petroleum-related VOCs.

5.6 Data Usability

The results of this data validation are summarized in the DUSRs provided in **Appendix G** and include a discussion of each qualified result, the potential bias and the effects on data usability. The DUSRs include discussions of each qualified result, as well as potential bias of results and effects of data qualification and/or bias might have on data usability. The following results of the analyses of soil and groundwater were rejected:

- Results of analysis for N-Methylperfluorooctane sulfonamide (NMeFOSA) in soil samples SB101-SO-(2-4), DUP-20230714, SB111-SO-(8-10) collected in July 2023.
- Results of analysis for N-Ethylperfluorooctane sulfonamide (NEtFOSA) in soil samples SB101-SO-(2-4), SB108-SO-(2-4), DUP-SO-20230714, SB111-SO-(8-10), and SB112-SO-(2-4) collected in July 2023.
- Results of analysis for select SVOCs (2-Chlorophenol, 4-Chloro-3-methylphenol, 2,4-Dichlorophenol, 2,4-Dimethylphenol, 4,6-Dinitro-2-methylphenol, 2,4-Dinitrophenol, 2-Nitrophenol, 4-Nitrophenol, Pentachlorophenol, 2,4,5-Trichlorophenol, and 2,4,6-Trichlorophenol) in groundwater samples MW4-WG and DUP-WG-20230802 collected in August 2023.
- Results of analysis for select SVOCs (4,6-Dinitro-2-methylphenol and 2,4-Dinitrophenol) in groundwater sample MW3-WG collected in August 2023.

The results for the remaining analyses were found to be valid and usable for decision-making purposes.

6.0 Findings

The 250 Water Street P-Site SC was completed in general accordance with the NYSDEC DER Work Assignment No. D009812-26 Notice to Proceed dated December 2, 2021, the NYSDEC-approved Scope of Work dated July 7, 2022 (approved August 12, 2022) and NYSDEC DER-10. Modifications to soil boring/monitoring well locations and the sampling and analytical plan included in the Scope of Work were performed in consultation with the Department. The findings based on the results of the SC, are presented below.

The results of the SC indicate the following:

- Historic fill was observed in the soil borings, extending from ground surface to depths ranging between approximately 6 and 16.8 feet bgs. Fill material generally consisted of sand intermixed with varying amounts of gravel, brick, asphalt, concrete, wood, and glass. Bedrock was not encountered. Soil borings were advanced to depths ranging from 5 to 25 feet bgs.
- Groundwater flow was determined to be to the southeast based on groundwater elevation data collected from newly installed monitoring wells.
- XRF screening identified elevated mercury concentrations in SB101, with a maximum measured field concentration of 13 ppm.
- Elevated PID readings were observed in multiple borings. Borings SB109 and SB111 exhibited the highest field PID responses, with measurements exceeding 15,000 ppm and 348.6 ppm, respectively.
- Mercury vapor concentrations were screened using a Jerome J505. The maximum mercury vapor reading (0.86 µg/m³) was measured in vapor from boring from SB101.
- Soil Sampling Analytical Results
    - Acetone, a VOC and common laboratory solvent, was detected at a concentration exceeding the Unrestricted Use SCO in one subsurface soil sample collected from boring SB111.
    - SVOCs were detected at concentrations above Unrestricted Use SCOs and/or Restricted Residential Use SCOs in 6 of 28 subsurface soil samples collected from five soil borings (SB101, SB102, SB105, SB108, and SB112). SVOC concentrations exceeding the SCOs were generally observed in the upper four feet of the soil profile.
    - PCBs were detected at concentrations exceeding the Unrestricted Use SCO in two subsurface soil samples collected from boring SB111. Total PCB concentrations did not exceed the Restricted Residential Use SCOs.

- Pesticides were detected at concentrations exceeding Unrestricted Use SCOs in 4 of 28 subsurface soil samples. Pesticide detections exceeding Unrestricted Use SCOs were present 2 to 4 feet bgs across soil borings SB101, SB105, SB107, and SB109. Pesticide were not detected at concentrations above Restricted Residential Use SCOs.
- Metals (excluding mercury) were detected above Unrestricted Use SCOs and/or Restricted Residential Use SCOs in 13 of 28 subsurface soil samples collected at 10 soil borings. Elevated concentrations of arsenic, barium, cadmium, copper, lead, nickel, silver, and/or zinc were present to a maximum depth 10 to 12 feet bgs.
- Mercury was detected in 22 of 46 subsurface soil samples at concentrations exceeding Unrestricted Use SCOs and/or Restricted Residential Use SCOs. The detections of mercury were distributed across boring locations and occurred within both fill and native material. Soil borings SB102, SB104, and SB106 were advanced within the footprint of the former 302 Pearl Street thermometer manufacturing facility, consistent with AOC 3 identified in the 2020 RI. In boring SB102, samples were collected from the ground surface to 14 feet bgs, and in borings SB104 and SB106 samples were collected from the ground surface to 16 feet bgs.
  - Mercury was detected in boring SB102 above the Restricted Residential Use SCO in all sampled intervals up to the termination depth of 14 feet bgs. The maximum concentration of 29 mg/kg was detected 6 to 8 feet bgs.
  - Mercury was detected in SB104 above the Unrestricted Use SCO up to 12 feet bgs. The maximum concentration of 0.61 mg/kg was detected 4 to 6 feet bgs.
  - Mercury was detected in SB106 above the Unrestricted Use SCO 2 to 4 feet bgs at 1.8 mg/kg.
- PFAS compounds (PFOA and PFOS) were detected at concentrations exceeding Unrestricted Use SCOs in two soil samples collected from SB101 and SB107. PFOS exceeded the Unrestricted Use SCO in SB107, and PFOA exceeded Unrestricted Use SCO in SB101. There were no detections above the Restricted Residential Use SCOs.

- Groundwater Sampling Analytical Results
  - One VOC was detected in groundwater at concentrations exceeding the corresponding Class GA Value at one location (MW4). Isopropylbenzene was detected at concentrations slightly above the Class GA Value of 5 µg/L (7.1 µg/L, and 6.8 µg/L in the duplicate sample).
  - The SVOC phenol was detected in groundwater at concentrations exceeding Class GA Values in 5 of 10 samples. The maximum concentration of phenol (10 µg/L) was detected

in MW1. 1,4-Dioxane was detected at a concentration of 0.67 µg/L in the sample from MW4, which exceed the Class GA Value of 0.35 µg/L). Other detections were below applicable standards.

- Metals (antimony, iron, manganese, and sodium) were detected in unfiltered and/or filtered groundwater samples at concentrations exceeding Class GA Values. One or more exceedances were observed in monitoring wells MW1, MW2, MW3, and MW4 during the August 2023 and November 2023 sampling events.

- Soil Vapor Sampling Results
  - Soil vapor samples were collected from six locations (SV1 through SV6) and analyzed for VOCs. PCE, TCE, benzene, and toluene were detected in multiple samples. The maximum PCE concentration was 602 µg/m³, detected at SV3, located on the northern 250 Water Street BCP site boundary. The sample collected from SV3 also exhibited detections of toluene (58 µg/m³), m,p-xylene (86.9 µg/m³), and other petroleum-related VOCs. The highest concentrations of benzene (660 µg/m³) and toluene (120 µg/m³) were detected from soil vapor sample SV6 located on the southern Water Street sidewalk.
  - Mercury vapor was not detected in the six soil vapor samples at concentrations above the laboratory reporting limits.

7.0 Conclusions and Recommendations

The results presented in this report have adequately characterized the soil, groundwater, and soil gas (soil vapor screening) at the Site. The investigation results indicate that some of the soil contamination found at the Site (i.e., mercury) may be related to the former operations (thermometer manufacturing) that occurred between 1868 and 1927. Mercury was detected in 22 soil samples (primarily at locations SB101 and SB102) at concentrations that exceed the Unrestricted Use SCOs and/or Restricted Residential Use SCOs. Note that mercury was not detected in soil vapor or groundwater samples at concentrations above comparison criteria. SVOCs, metals, PCBs, pesticides and PFAS constituents detected in soil may be attributed to historic fill material.

Groundwater impacts were minimal and primarily limited to naturally occurring metals and PFAS, which are consistent with regional concentrations.

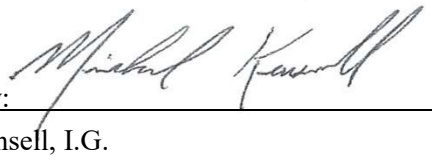
Elevated concentrations of chlorinated solvent- and petroleum-related VOCs in soil vapor were detected in sample SV3 located on the northern boundary of the 250 Water Street BCP site. The detected VOC concentrations may be attributed to a historic source(s) on the BCP site.

Overall, there is no indication that the Site is contributing to regional sources of contamination. Given the localized nature of the identified impacts, the Site Characterization findings do not indicate that Site conditions currently pose a significant threat to public health or the environment sufficient to warrant a Remedial Investigation (RI). However, delineation of the mercury concentrations in soil north of the Site at SB101 and SB102 is recommended. Future work on the BCP site will be completed in accordance with the Site Management Plan and requirements of the Environmental Easement.

8.0 Certification of Environmental Professionals

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

TRC Engineers, Inc.



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Senior Director

9.0 References

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- TRC Engineers, Inc., NYSDEC-approved Scope of Work, dated July 7, 2022 (approved August 12, 2022).

FIGURES

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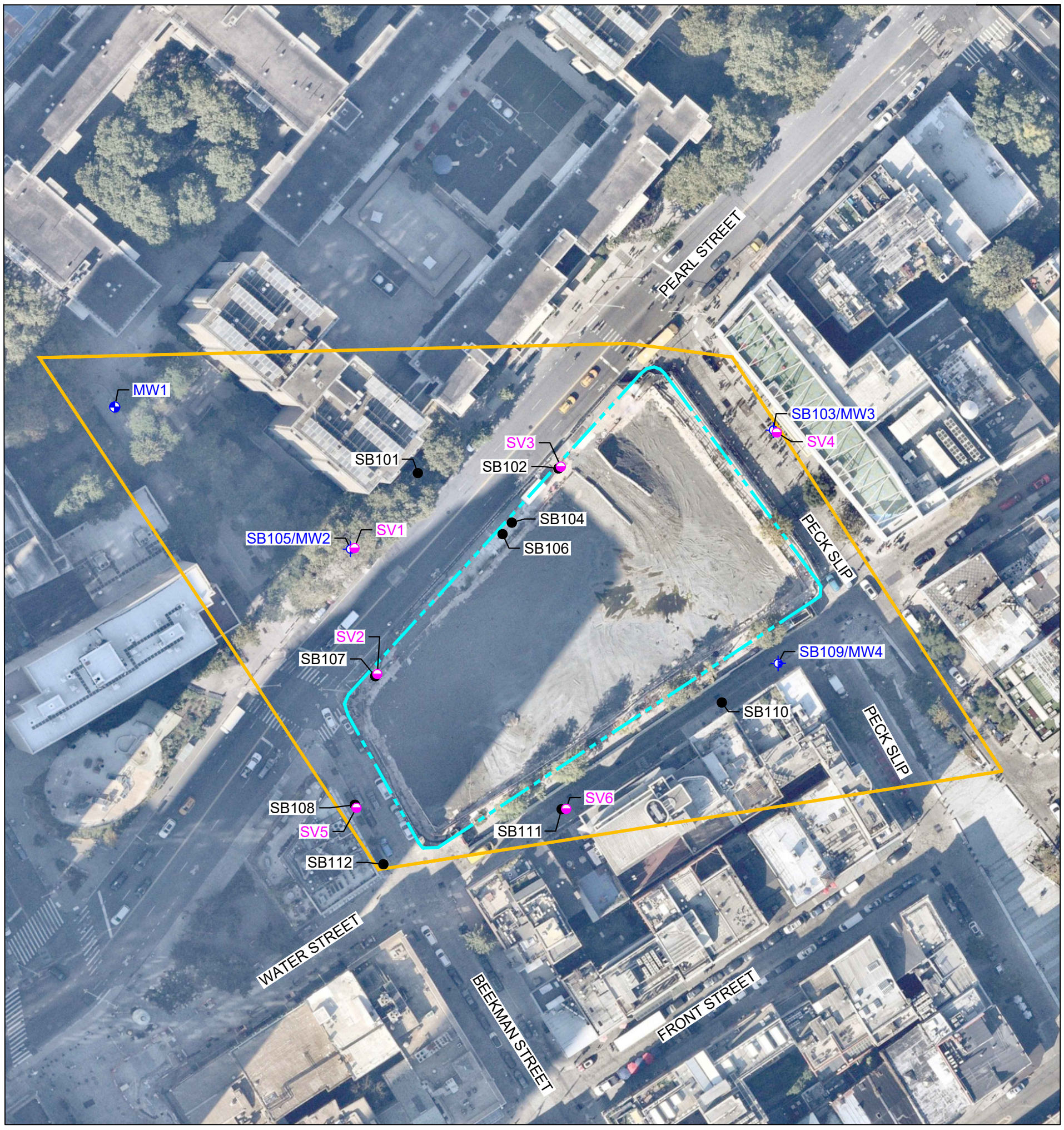
PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
250 WATER STREET - P-SITE
NYSDEC SITE NO. 231127
NEW YORK, NEW YORK

TITLE:
SITE LOCATION MAP

DRAWN BY:	H. DELGADO
CHECKED BY:	M. KENSELL
APPROVED BY:	L. O'HARA
DATE:	SEPTEMBER 2025
PROJ. NO.:	472223.0000.0000
FILE:	Fig 1 - Site Loc. Map (250).dwg

FIGURE 1

8.5x11 -- ATTACHED XREFS: -- ATTACHED IMAGES: EPSG2263 20241011 v1: NJ Jersey City 20230611 TM: NY Brooklyn 20230531 TM:
DRAWING NAME: \\CLIFTONPARK-VFP\clifton\park\ECR\Projects\NYSDEC\D009812\Work Assignments\D009812-26 250 Water Street - P-site\Figures\TRC Working Drawings\ Fig 1 - Site Loc. Map (250).dwg -- PLOT DATE: September 17, 2025 - 10:30AM -- LAYOUT: 8.5x11P



N

0 80 160 FT.

SCALE: 1" = 80'
SHEET SIZE 11" BY 17"

TRUE NORTH
NY83-LIF

LEGEND (SYMBOLS NOT TO SCALE):

- APPROXIMATE BROWNFIELD CLEANUP PROGRAM (BCP) SITE BOUNDARY
- APPROXIMATE OFF-SITE P-SITE INVESTIGATION AREA BOUNDARY (EXCLUDES BCP SITE)
- SB###/MW# — SOIL BORING / MONITORING WELL LOCATION AND IDENTIFICATION NUMBER
- MW# — MONITORING WELL LOCATION AND IDENTIFICATION NUMBER
- SB### — SOIL BORING LOCATION AND IDENTIFICATION NUMBER
- SV# — SOIL VAPOR SAMPLE LOCATION AND IDENTIFICATION NUMBER

NOTES:

1. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES, BOUNDARIES, AND SAMPLE LOCATIONS ARE APPROXIMATE.
2. AERIAL IMAGE PROVIDED BY NEARMAP DATED OCTOBER 11, 2024.
3. SAMPLE LOCATIONS SURVEYED BY LABERGE GROUP IN AUGUST 2023 AND FEBRUARY 2025.

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
250 WATER STREET - P-SITE
NYSDEC SITE NO. 231127
NEW YORK, NEW YORK

TITLE:
SAMPLE LOCATION PLAN

DRAWN BY:	H. DELGADO	PROJ NO.:	472223.0000.0000
CHECKED BY:	M. KENSELL		
APPROVED BY:	L. O'HARA		**FIGURE 2**
DATE:	SEPTEMBER 2025		

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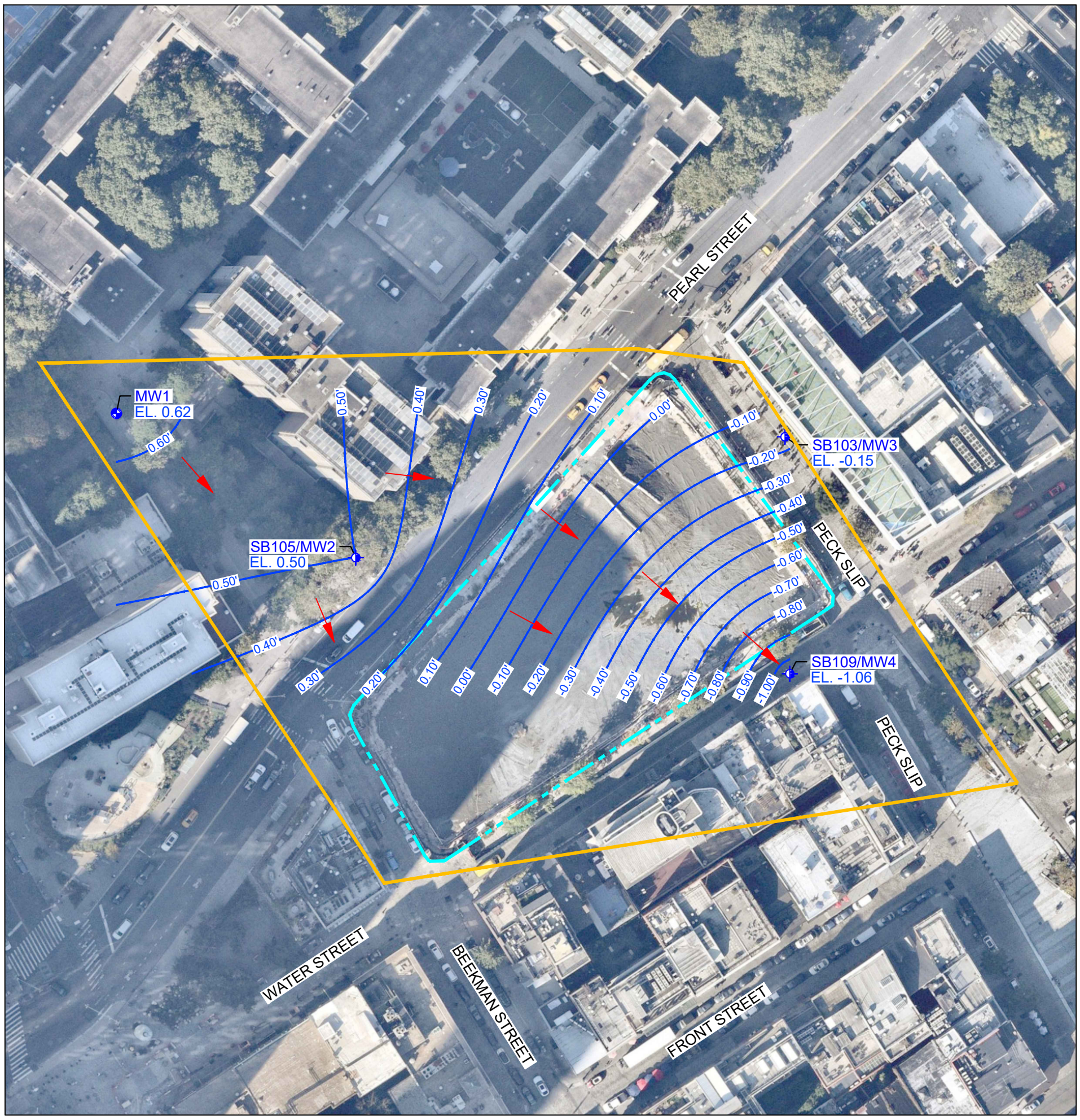
New York, NY 10018
Phone: 212.221.7822
www.TRCcompanies.com

FILE NO.: Fig 2 - Samp. Loc. Plan (250).dwg

Version: 2017-10-21
11x17 --- USER: HDelgado --- ATTACHED XREFS: Manhattan --- ATTACHED IMAGES: 231127-2021-12-02-Waiuance_NTP_COI_SOW_D009812-26_Page_2_EPSG2263_20241011_v1, GEPro Aerial-200 ft_04.26.2024 (250)_web
DRAWING NAME: \\CLIFTONPARK-VFP\cliftonpark\ECR\Projects\NYSDEC\D009812\Work Assignments\D009812-26 250 Water Street - P-site\Figures\TRC Working Drawings\Fig 2 - Samp. Loc. Plan (250).dwg --- PLOT DATE: September 17, 2025 - 10:46AM --- LAYOUT: 11x17P



N

0 80 160 FT.

SCALE: 1" = 80'
SHEET SIZE 11" BY 17"

TRUE NORTH
NY83-LIF

LEGEND (SYMBOLS NOT TO SCALE):

- APPROXIMATE BCP SITE BOUNDARY
- APPROXIMATE OFF-SITE P-SITE INVESTIGATION AREA BOUNDARY (EXCLUDES BCP SITE)
- SB###/MW# — SOIL BORING / MONITORING WELL LOCATION AND IDENTIFICATION NUMBER
- MW# — PROPOSED MONITORING WELL LOCATION AND IDENTIFICATION NUMBER
- 0.50' — INFERRED GROUNDWATER SURFACE ELEVATION CONTOUR (0.10 FOOT INTERVALS)
- EL. 0.62 — GROUNDWATER SURFACE ELEVATION (NAVD88)
- INFERRED GROUNDWATER FLOW DIRECTION

NOTES:

1. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES, BOUNDARIES, AND SAMPLE LOCATIONS ARE APPROXIMATE.
2. AERIAL IMAGE PROVIDED BY NEARMAP DATED OCTOBER 11, 2024.
3. SAMPLE LOCATIONS SURVEYED BY LABERGE GROUP IN AUGUST 2023 AND FEBRUARY 2025.
4. GROUNDWATER SURFACE ELEVATIONS MEASURED AUGUST 2, 2023.

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
250 WATER STREET - P-SITE
NYSDEC SITE NO. 231127
NEW YORK, NEW YORK

TITLE:
GROUNDWATER SURFACE ELEVATION CONTOUR MAP - AUGUST 2023

DRAWN BY:	H. DELGADO	PROJ NO.:	472223.0000.0000
CHECKED BY:	M. KENSELL		
APPROVED BY:	L. O'HARA		**FIGURE 3**
DATE:	SEPTEMBER 2025		

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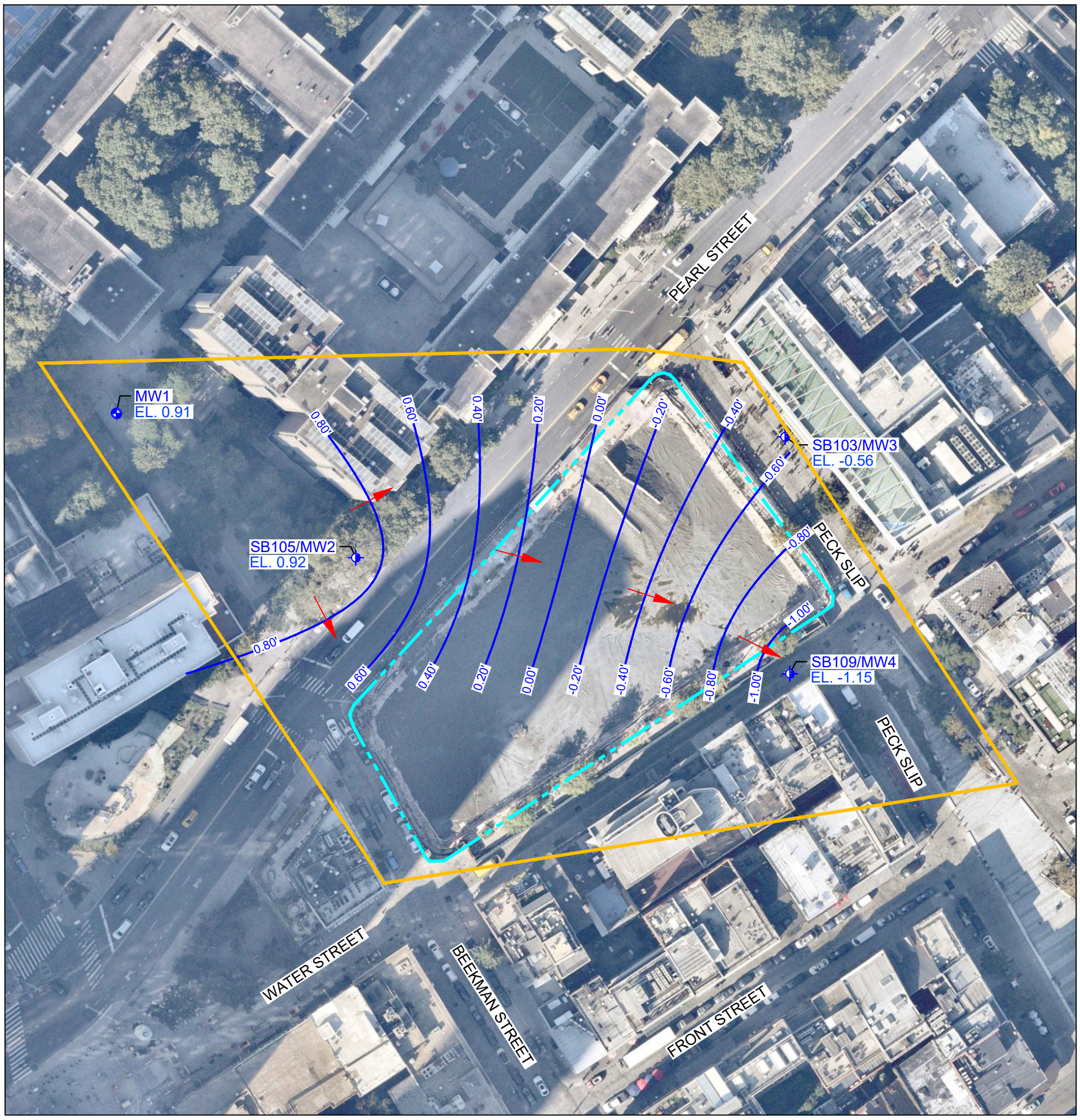
New York, NY 10018
Phone: 212.221.7822
www.TRCcompanies.com

FILE NO.: Fig 3 - GWSEC Map - 08.2023 (250).dwg

Version: 2017-10-21
11x17 --- USER: HDelgado --- ATTACHED XREFS: Manhattan --- ATTACHED IMAGES: 231127.2021-12-02.Waiausance_NTP_COI_SOW_D009812-26_Page 2; EPSG2263_20210812; EPSG2263_20241011_v1;
DRAWING NAME: \\CLIFTONPARK-VFP\cliftonpark\ECR\Projects\NYSDEC\D009812\Work Assignments\D009812-26 250 Water Street - P-site\Figures\TRC Working Drawings\ Fig 3 - GWSEC Map - 08.2023 (250).dwg --- PLOT DATE: September 17, 2025 - 10:48AM --- LAYOUT: 11x17P



N

0 80 160 FT.

SCALE: 1" = 80'
SHEET SIZE 11" BY 17"

TRUE NORTH
NY83-LIF

LEGEND (SYMBOLS NOT TO SCALE):

- APPROXIMATE BCP SITE BOUNDARY
- APPROXIMATE OFF-SITE P-SITE INVESTIGATION AREA BOUNDARY (EXCLUDES BCP SITE)
- SB###/MW# — SOIL BORING / MONITORING WELL LOCATION AND IDENTIFICATION NUMBER
- MW# — PROPOSED MONITORING WELL LOCATION AND IDENTIFICATION NUMBER
- 0.40' — INFERRED GROUNDWATER SURFACE ELEVATION CONTOUR (0.10 FOOT INTERVALS)
- EL. 0.91 — GROUNDWATER SURFACE ELEVATION (NAVD88)
- INFERRED GROUNDWATER FLOW DIRECTION

NOTES:

1. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES, BOUNDARIES, AND SAMPLE LOCATIONS ARE APPROXIMATE.
2. AERIAL IMAGE PROVIDED BY NEARMAP DATED OCTOBER 11, 2024.
3. SAMPLE LOCATIONS SURVEYED BY LABERGE GROUP IN AUGUST 2023 AND FEBRUARY 2025.
4. GROUNDWATER SURFACE ELEVATIONS MEASURED NOVEMBER 21, 2023.

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
250 WATER STREET - P-SITE
NYSDEC SITE NO. 231127
NEW YORK, NEW YORK

TITLE:
GROUNDWATER SURFACE ELEVATION CONTOUR MAP - NOVEMBER 2023

DRAWN BY:	H. DELGADO	PROJ NO.:	472223.0000.0000
CHECKED BY:	M. KENSELL		
APPROVED BY:	L. O'HARA		**FIGURE 4**
DATE:	SEPTEMBER 2025		

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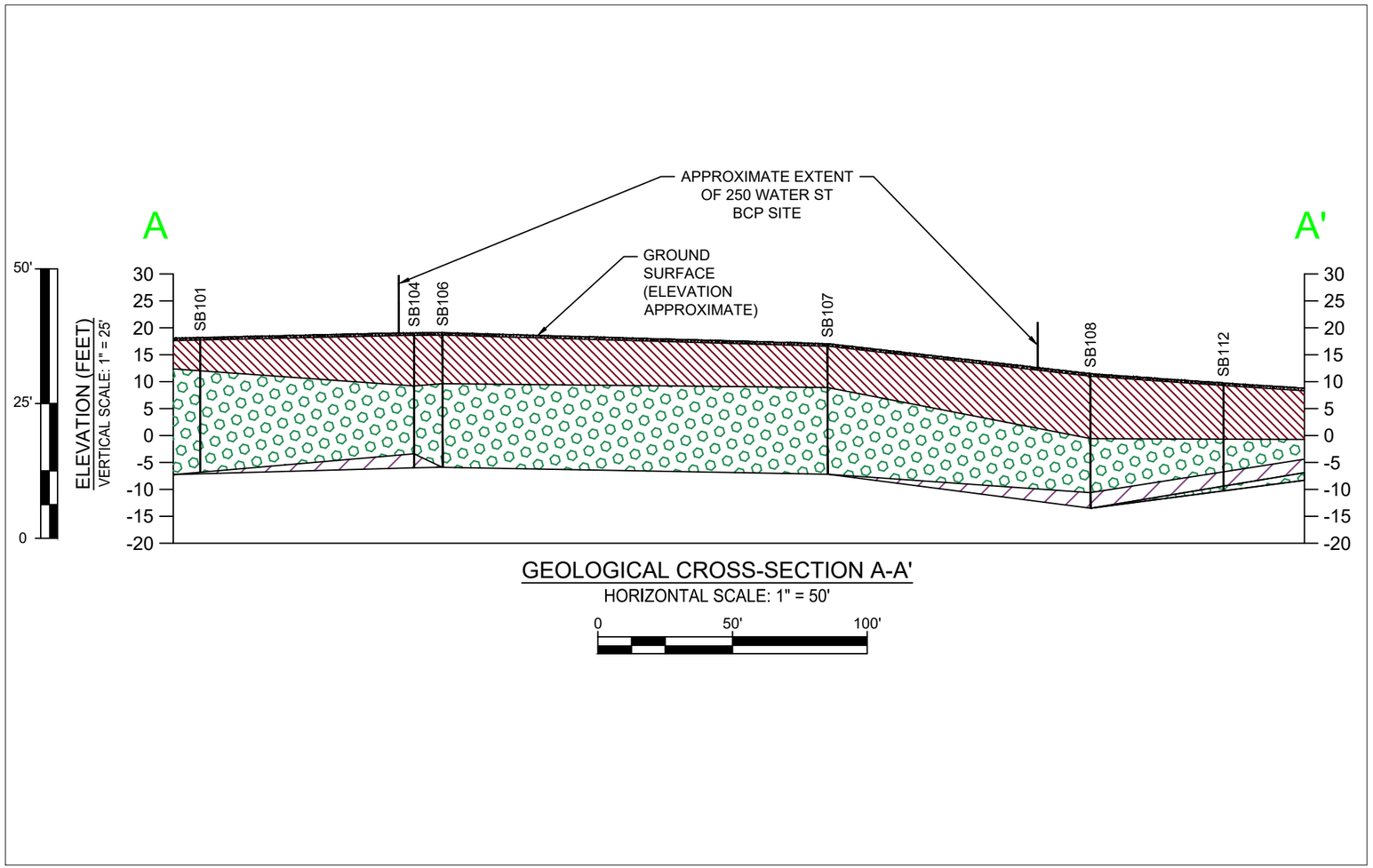
New York, NY 10018
Phone: 212.221.7822
www.TRCcompanies.com

FILE NO.: Fig 4 - GWSEC Map - 11.2023 (250).dwg

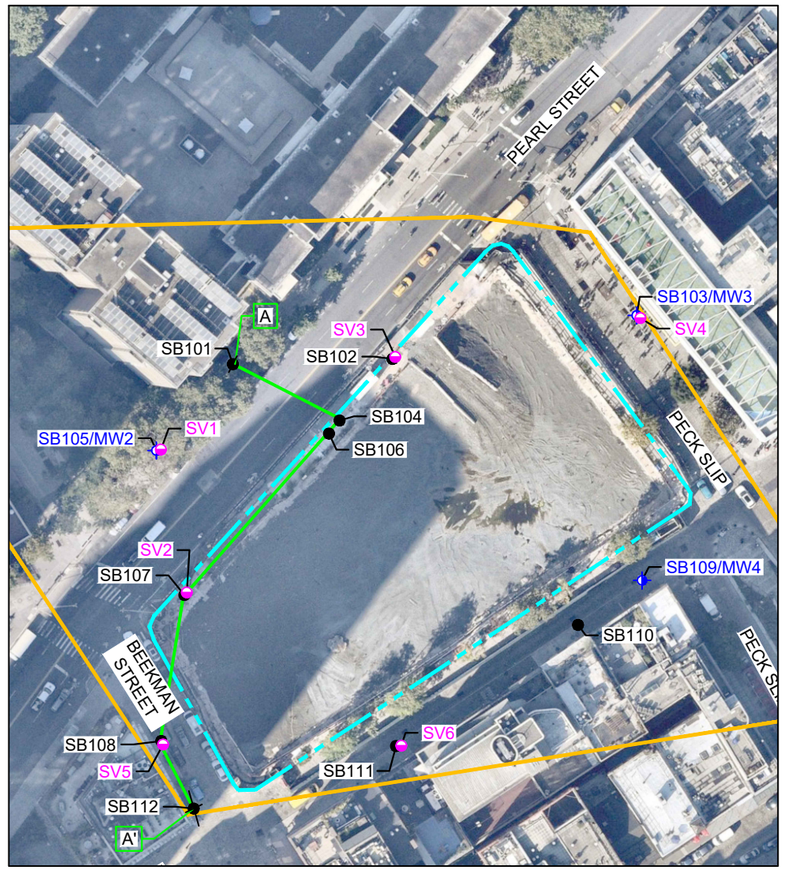
Version: 2017-10-21
11x17 --- USER: HDelgado --- ATTACHED XREFS: Manhattan --- ATTACHED IMAGES: 231127.2021-12-02.Waissance_NTP_COI_SOW_D009812-26_Page 2_EPSG2263_20210812; EPSG2263_20241011_v1;
DRAWING NAME: \\CLIFTONPARK-VFP\cliftonpark\ECR\Projects\NYSDEC\D009812\Work Assignments\D009812-26 250 Water Street - P-site\Figures\TRC Working Drawings\ Fig 4 - GWSEC Map - 11.2023 (250).dwg --- PLOT DATE: September 17, 2025 - 10:58AM --- LAYOUT: 11x17P



GEOLOGICAL CROSS-SECTION A-A'

HORIZONTAL SCALE: 1" = 50'

0 50' 100'



TRANSECT LOCATION MAP

0 100' 200'

SCALE: 1" = 100'

N

TRUE NORTH NY83-LIF

LEGEND (SYMBOLS NOT TO SCALE):

- APPROXIMATE BROWNFIELD CLEANUP PROGRAM (BCP) SITE BOUNDARY
- APPROXIMATE OFF-SITE P-SITE INVESTIGATION AREA BOUNDARY (EXCLUDES BCP SITE)
- SB###/MW# — SOIL BORING / MONITORING WELL LOCATION AND IDENTIFICATION NUMBER
- MW# — MONITORING WELL LOCATION AND IDENTIFICATION NUMBER
- SB### — SOIL BORING LOCATION AND IDENTIFICATION NUMBER
- SV# — SOIL VAPOR SAMPLE LOCATION AND IDENTIFICATION NUMBER
- GEOLOGICAL CROSS-SECTION TRANSECT
- CONCRETE / ASPHALT
- SILTY SAND
- SAND
- FILL

NOTES:

1. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES, BOUNDARIES, AND SAMPLE LOCATIONS ARE APPROXIMATE.
2. AERIAL IMAGE PROVIDED BY NEARMAP DATED OCTOBER 11, 2024.
3. SAMPLE LOCATIONS SURVEYED BY LABERGE GROUP IN AUGUST 2023 AND FEBRUARY 2025.

SHEET SIZE: 11" BY 17"

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
250 WATER STREET - P-SITE
NYSDEC SITE NO. 231127
NEW YORK, NEW YORK

TITLE:
GEOLOGICAL CROSS-SECTION A-A'

DRAWN BY:	H. DELGADO	PROJ NO.:	472223.0000.0000
CHECKED BY:	M. KENSELL		
APPROVED BY:	L. O'HARA		**FIGURE 5**
DATE:	SEPTEMBER 2025		

TRC
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New York, NY 10018
Phone: 212.221.7822
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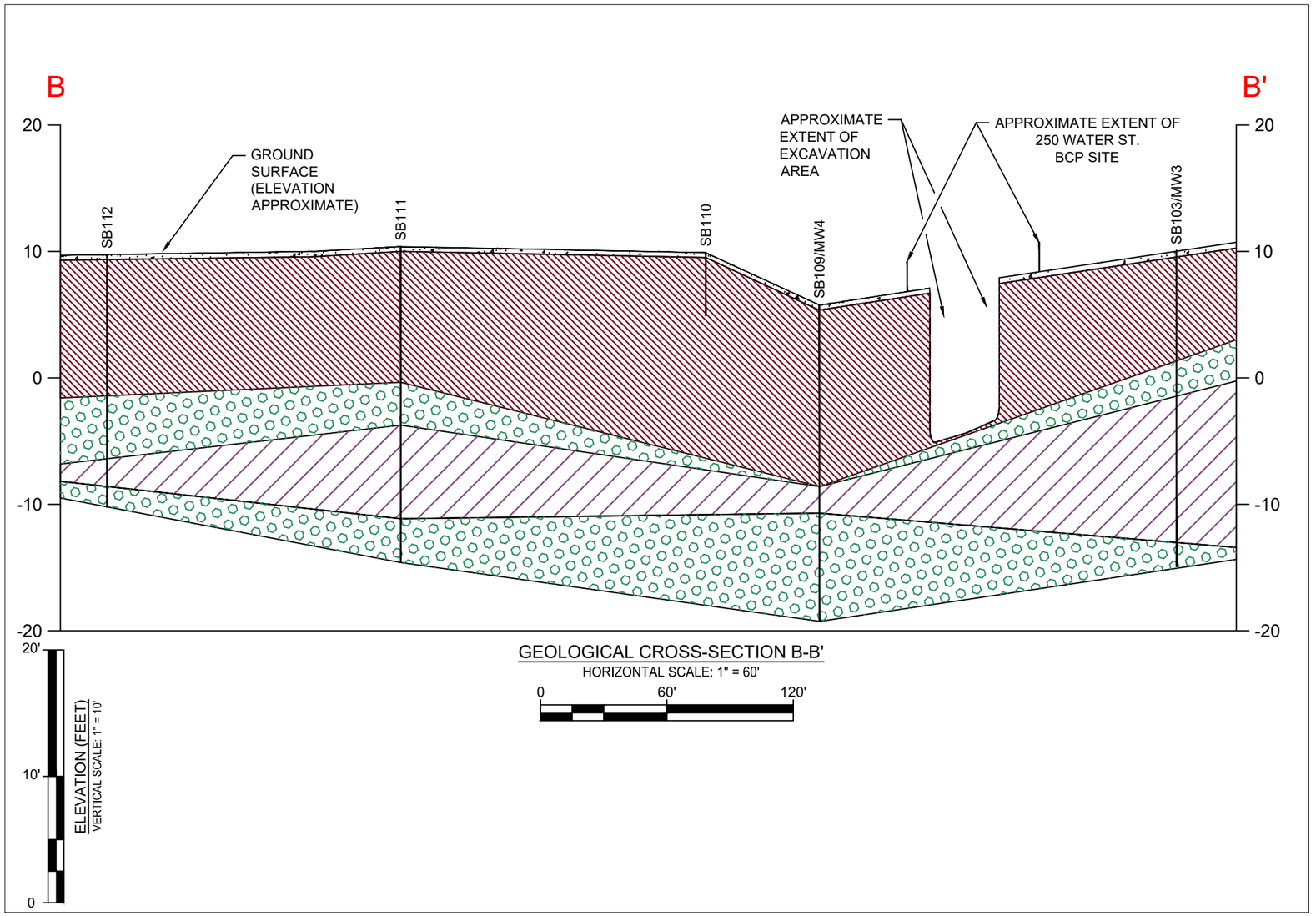
FILE NO.: Fig 5-6 - Geo. X-Scts. Trans. A-A' & B-B' (250).dwg

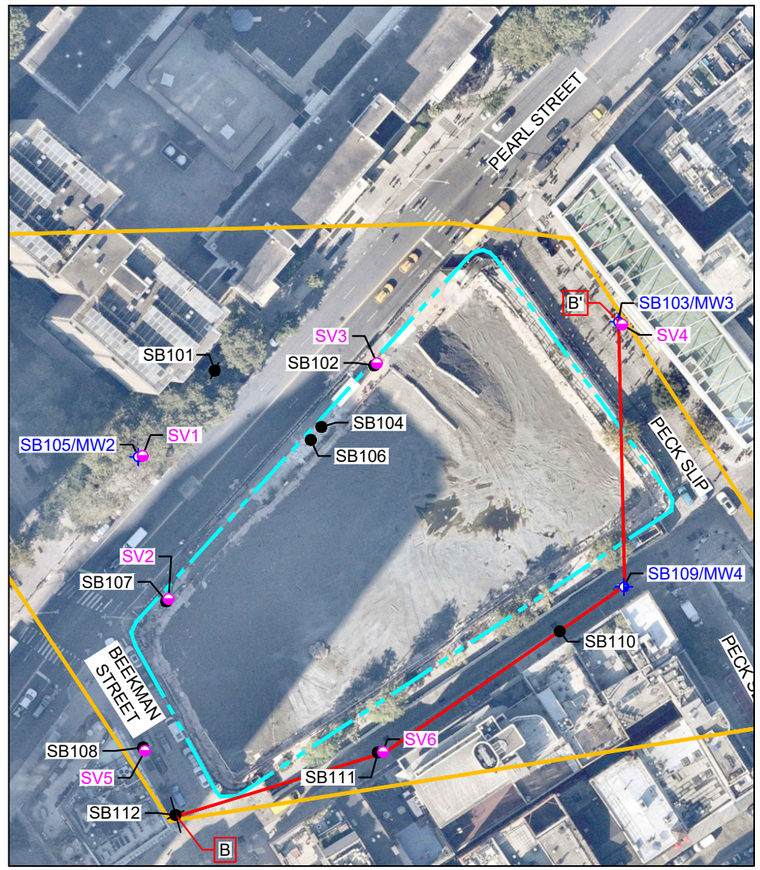
1147 --- ATTACHED XREFS: Fig 2 - Samp. Loc. Plan (250) --- ATTACHED IMAGES: 231127 2251-12-02-10-Basemap_NTP_CO_SOW_D0098126_Page 2_EPSG2263_20241011_v1 - GEPro-Aerial-200 ft_04_26_2024 (250).wmf
DRAWING NAME: \\CLIFTONPARK-VFP\cliftonpark\ECR\Projects\NYSDEC\D0098126\Work Assignments\D0098126-26 250 Water Street - P-site\Figures\TRC Working Drawings\ Fig 5-6 - Geo. X-Scts. Trans. A-A' & B-B' (250).dwg --- PLOT DATE: September 17, 2025 - 11:00AM --- LAYOUT: 11x17L (A-A')



GEOLOGICAL CROSS-SECTION B-B'

HORIZONTAL SCALE: 1" = 60'

0 60' 120'



TRANSECT LOCATION MAP

0 100' 200'

SCALE: 1" = 100'

N

TRUE NORTH
AYSGLF

LEGEND (SYMBOLS NOT TO SCALE):

- APPROXIMATE BROWNFIELD CLEANUP PROGRAM (BCP) SITE BOUNDARY
- APPROXIMATE OFF-SITE P-SITE INVESTIGATION AREA BOUNDARY (EXCLUDES BCP SITE)
- SB###/MW# — SOIL BORING / MONITORING WELL LOCATION AND IDENTIFICATION NUMBER
- MW# — MONITORING WELL LOCATION AND IDENTIFICATION NUMBER
- SB### — SOIL BORING LOCATION AND IDENTIFICATION NUMBER
- SV# — SOIL VAPOR SAMPLE LOCATION AND IDENTIFICATION NUMBER
- GEOLOGICAL CROSS-SECTION TRANSECT
- CONCRETE / ASPHALT
- SILTY SAND
- SAND
- FILL

NOTES:

1. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES, BOUNDARIES, AND SAMPLE LOCATIONS ARE APPROXIMATE.
2. AERIAL IMAGE PROVIDED BY NEARMAP DATED OCTOBER 11, 2024.
3. SAMPLE LOCATIONS SURVEYED BY LABERGE GROUP IN AUGUST 2023 AND FEBRUARY 2025.

SHEET SIZE: 11" BY 17"

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
250 WATER STREET - P-SITE
NYSDEC SITE NO. 231127
NEW YORK, NEW YORK

TITLE:
GEOLOGICAL CROSS-SECTION B-B'

DRAWN BY:	H. DELGADO	PROJ NO.:	472223.0000.0000
CHECKED BY:	M. KENSELL		
APPROVED BY:	L. O'HARA		**FIGURE 6**
DATE:	SEPTEMBER 2025		

TRC
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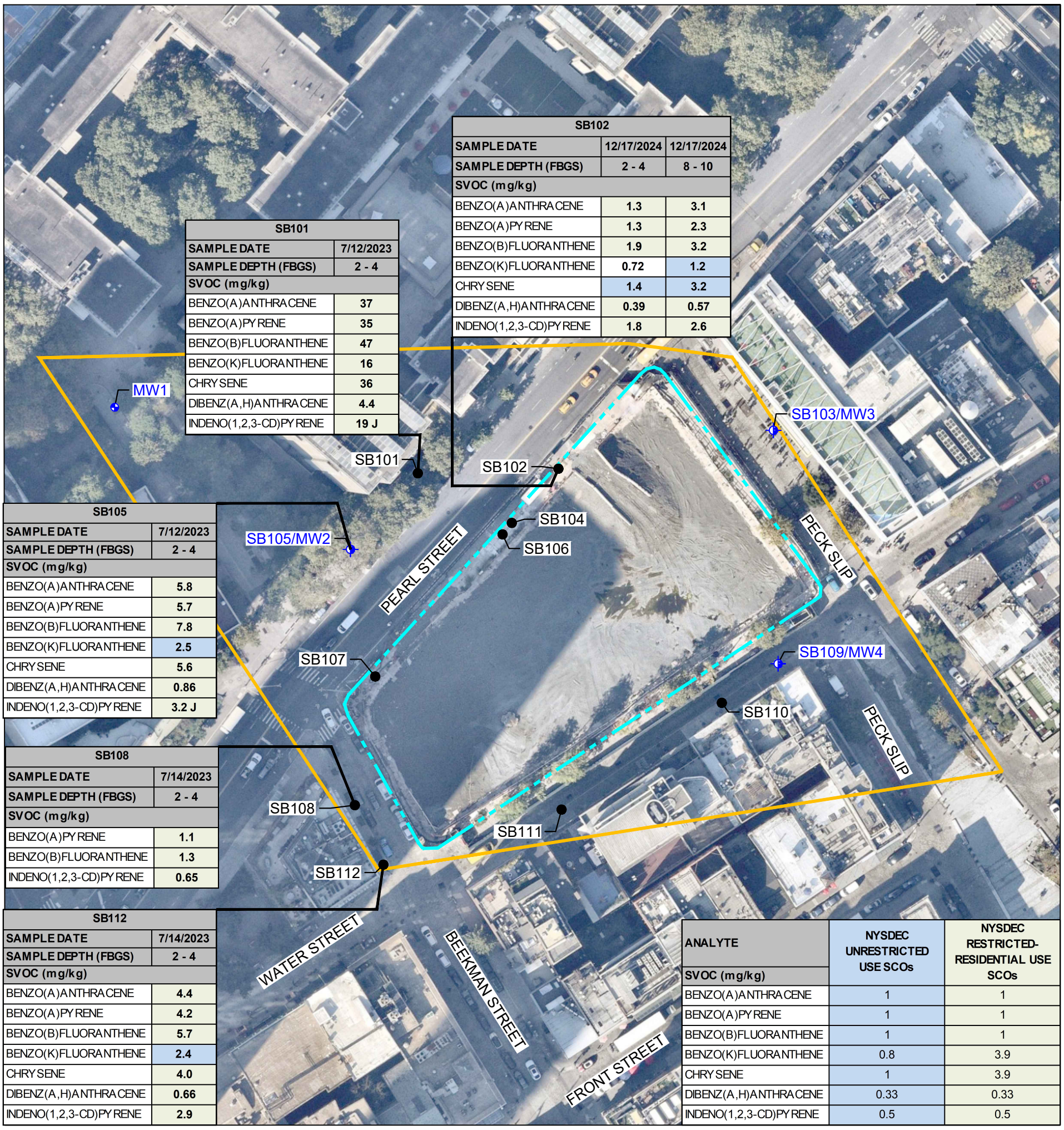
New York, NY 10018
Phone: 212.221.7822
www.TRCcompanies.com

FILE NO.: Fig 5-6 - Geo. X-Scts. Trans. A-A' & B-B' (250).dwg

11x17 -- ATTACHED XREFS: Fig 2 - Samp Loc Plan (250) -- ATTACHED IMAGES: 231127 2021-12-02 Valuance_MTP_C/D_SOW_D009813-26_Page_2_EPS(2283_20241011_v1_GEPro4.eps(200 x 8.04; 26.2024 (250).web;
DRAWING NAME: \\CLIFTONPARK-VFP\cliftonpark\ECR\Projects\NYSDEC\D009812\Work Assignments\D009812-26 250 Water Street - P-site\Figures\TRC Working Drawings\Fig 5-6 - Geo. X-Scts. Trans. A-A' & B-B' (250).dwg -- PLOT DATE: September 17, 2025 - 11:02AM -- LAYOUT: 11x17L (B-B')



SB101	
SAMPLE DATE	7/12/2023
SAMPLE DEPTH (FBGS)	2 - 4
SVOC (mg/kg)	
BENZO(A)ANTHRACENE	37
BENZO(A)PYRENE	35
BENZO(B)FLUORANTHENE	47
BENZO(K)FLUORANTHENE	16
CHRYSENE	36
DIBENZ(A,H)ANTHRACENE	4.4
INDENO(1,2,3-CD)PYRENE	19 J

SB102		
SAMPLE DATE	12/17/2024	12/17/2024
SAMPLE DEPTH (FBGS)	2 - 4	8 - 10
SVOC (mg/kg)		
BENZO(A)ANTHRACENE	1.3	3.1
BENZO(A)PYRENE	1.3	2.3
BENZO(B)FLUORANTHENE	1.9	3.2
BENZO(K)FLUORANTHENE	0.72	1.2
CHRYSENE	1.4	3.2
DIBENZ(A,H)ANTHRACENE	0.39	0.57
INDENO(1,2,3-CD)PYRENE	1.8	2.6

SB105	
SAMPLE DATE	7/12/2023
SAMPLE DEPTH (FBGS)	2 - 4
SVOC (mg/kg)	
BENZO(A)ANTHRACENE	5.8
BENZO(A)PYRENE	5.7
BENZO(B)FLUORANTHENE	7.8
BENZO(K)FLUORANTHENE	2.5
CHRYSENE	5.6
DIBENZ(A,H)ANTHRACENE	0.86
INDENO(1,2,3-CD)PYRENE	3.2 J

SB108	
SAMPLE DATE	7/14/2023
SAMPLE DEPTH (FBGS)	2 - 4
SVOC (mg/kg)	
BENZO(A)PYRENE	1.1
BENZO(B)FLUORANTHENE	1.3
INDENO(1,2,3-CD)PYRENE	0.65

SB112	
SAMPLE DATE	7/14/2023
SAMPLE DEPTH (FBGS)	2 - 4
SVOC (mg/kg)	
BENZO(A)ANTHRACENE	4.4
BENZO(A)PYRENE	4.2
BENZO(B)FLUORANTHENE	5.7
BENZO(K)FLUORANTHENE	2.4
CHRYSENE	4.0
DIBENZ(A,H)ANTHRACENE	0.66
INDENO(1,2,3-CD)PYRENE	2.9

ANALYTE	NYSDEC UNRESTRICTED USE SCOs	NYSDEC RESTRICTED-RESIDENTIAL USE SCOs
SVOC (mg/kg)		
BENZO(A)ANTHRACENE	1	1
BENZO(A)PYRENE	1	1
BENZO(B)FLUORANTHENE	1	1
BENZO(K)FLUORANTHENE	0.8	3.9
CHRYSENE	1	3.9
DIBENZ(A,H)ANTHRACENE	0.33	0.33
INDENO(1,2,3-CD)PYRENE	0.5	0.5

0 80 160 FT.

SCALE: 1" = 80'
SHEET SIZE 11" BY 17"

N

TRUE NORTH
NY83-LIF

LEGEND (SYMBOLS NOT TO SCALE):

- APPROXIMATE BROWNFIELD CLEANUP PROGRAM (BCP) SITE BOUNDARY
- APPROXIMATE OFF-SITE P-SITE INVESTIGATION AREA BOUNDARY (EXCLUDES BCP SITE)
- SB###/MW# — SOIL BORING / MONITORING WELL LOCATION AND IDENTIFICATION NUMBER
- MW# — MONITORING WELL LOCATION AND IDENTIFICATION NUMBER
- SB### — SOIL BORING LOCATION AND IDENTIFICATION NUMBER

NOTES:

1. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES, BOUNDARIES, AND SAMPLE LOCATIONS ARE APPROXIMATE.
2. AERIAL IMAGE PROVIDED BY NEARMAP DATED OCTOBER 11, 2024.
3. SAMPLE LOCATIONS SURVEYED BY LABERGE GROUP IN AUGUST 2023 AND FEBRUARY 2025.
4. SVOCs - SEMIVOLATILE ORGANIC COMPOUNDS.
5. SCOs - SOIL CLEANUP OBJECTIVES.
6. ONLY SVOCs ABOVE NYSDEC SCOS ARE SHOWN.
7. BOLD AND HIGHLIGHTED RESULTS EXCEED CORRESPONDING SCOs.
8. FBGS - FEET BELOW GROUND SURFACE.
9. mg/kg - MILLIGRAMS PER KILOGRAM.
10. J - ESTIMATED VALUE.

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
250 WATER STREET - P-SITE
NYSDEC SITE NO. 231127
NEW YORK, NEW YORK

TITLE:
SOIL ANALYTICAL RESULTS FOR SVOCs ABOVE SOIL CLEANUP OBJECTIVES

DRAWN BY:	H. DELGADO	PROJ NO.:	472223.0000.0000
CHECKED BY:	M. KENSELL		
APPROVED BY:	L. O'HARA		**FIGURE 7**
DATE:	SEPTEMBER 2025		

TRC
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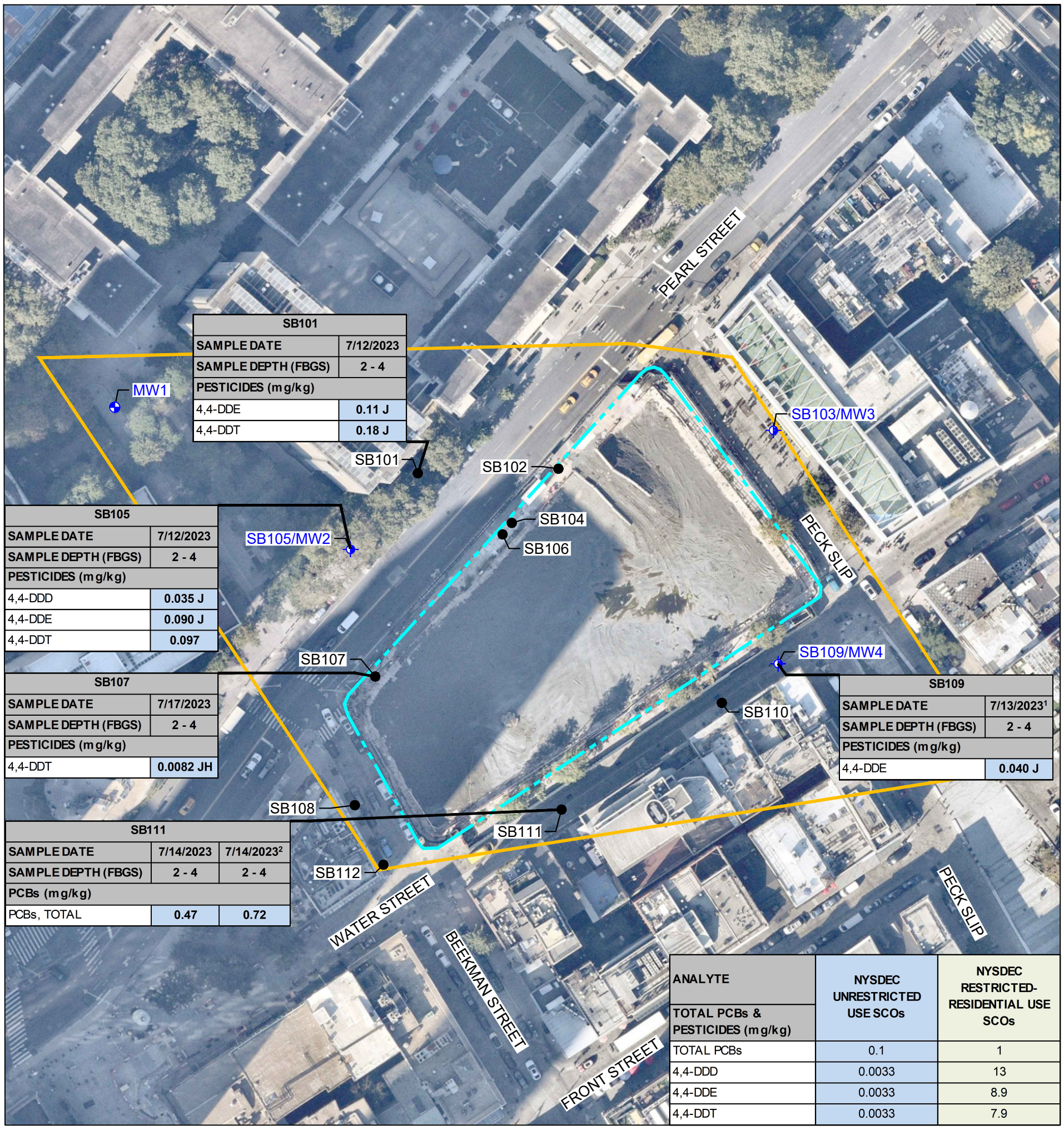
New York, NY 10018
Phone: 212.221.7822
www.TRCcompanies.com

FILE NO.: Fig 7 - Soil Anal. Res. for SVOCs ASCOs (250).dwg

Version: 2017-10-21
11x17 --- USER: HDelgado --- ATTACHED XREFS: Manhattan --- ATTACHED IMAGES: 231127.2021-12-02 Waissuance_NTP_COI_SOW_D009812-28; Page 2; EPSG2263_20210812; EPSG2263_20241011_v1; GEPro Aerial-2008 ft_04.26.2024 (250).web;
DRAWING NAME: \\CLIFTONPARK-VFP\cliftonpark\ECR\Projects\NYSDEC\D009812\Work Assignments\D009812-26 250 Water Street - P-site\Figures\TRC Working Drawings\ Fig 7 - Soil Anal. Res. for SVOCs ASCOs (250).dwg --- PLOT DATE: September 17, 2025 - 11:04AM --- LAYOUT: 11x17P



SB101	
SAMPLE DATE	7/12/2023
SAMPLE DEPTH (FBGS)	2 - 4
PESTICIDES (mg/kg)	
4,4-DDE	0.11 J
4,4-DDT	0.18 J

SB105	
SAMPLE DATE	7/12/2023
SAMPLE DEPTH (FBGS)	2 - 4
PESTICIDES (mg/kg)	
4,4-DDD	0.035 J
4,4-DDE	0.090 J
4,4-DDT	0.097

SB107	
SAMPLE DATE	7/17/2023
SAMPLE DEPTH (FBGS)	2 - 4
PESTICIDES (mg/kg)	
4,4-DDT	0.0082 JH

SB109	
SAMPLE DATE	7/13/2023[1]
SAMPLE DEPTH (FBGS)	2 - 4
PESTICIDES (mg/kg)	
4,4-DDE	0.040 J

SB111		
SAMPLE DATE	7/14/2023	7/14/2023[2]
SAMPLE DEPTH (FBGS)	2 - 4	2 - 4
PCBs (mg/kg)		
PCBs, TOTAL	0.47	0.72

ANALYTE TOTAL PCBs & PESTICIDES (mg/kg)	NYSDEC UNRESTRICTED USE SCOs	NYSDEC RESTRICTED-RESIDENTIAL USE SCOs
TOTAL PCBs	0.1	1
4,4-DDD	0.0033	13
4,4-DDE	0.0033	8.9
4,4-DDT	0.0033	7.9

0 80 160 FT.

SCALE: 1" = 80'
SHEET SIZE 11" BY 17"

N

TRUE NORTH
NY83-LIF

LEGEND (SYMBOLS NOT TO SCALE):

- APPROXIMATE BROWNFIELD CLEANUP PROGRAM (BCP) SITE BOUNDARY
- APPROXIMATE OFF-SITE P-SITE INVESTIGATION AREA BOUNDARY (EXCLUDES BCP SITE)
- SB###/MW# — SOIL BORING / MONITORING WELL LOCATION AND IDENTIFICATION NUMBER
- MW# — MONITORING WELL LOCATION AND IDENTIFICATION NUMBER
- SB### — SOIL BORING LOCATION AND IDENTIFICATION NUMBER

NOTES:

1. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES, BOUNDARIES, AND SAMPLE LOCATIONS ARE APPROXIMATE.
2. AERIAL IMAGE PROVIDED BY NEARMAP DATED OCTOBER 11, 2024.
3. SAMPLE LOCATIONS SURVEYED BY LABERGE GROUP IN AUGUST 2023 AND FEBRUARY 2025.
4. PCBs - POLYCHLORINATED BIPHENYLS.
5. SCOs - SOIL CLEANUP OBJECTIVES.
6. ONLY PCBs AND PESTICIDES ABOVE NYSDEC SCOs ARE SHOWN.
7. BOLD AND HIGHLIGHTED RESULTS EXCEED CORRESPONDING SCOs.
8. FBGS - FEET BELOW GROUND SURFACE.
9. mg/kg - MILLIGRAMS PER KILOGRAM.
10. J - ESTIMATED VALUE.
11. JH - ESTIMATED VALUE, BIASED HIGH.
12. [1] FIELD DUPLICATE SAMPLE COLLECTED FROM SB109 2 - 4 FEET BGS ON 7/13/2023.
13. [2]FIELD DUPLICATE SAMPLE COLLECTED FROM SB111 2 - 4 FEET BGS ON 7/14/2023.

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
250 WATER STREET - P-SITE
NYSDEC SITE NO. 231127
NEW YORK, NEW YORK

TITLE: **SOIL ANALYTICAL RESULTS FOR PCBs AND PESTICIDES ABOVE SOIL CLEANUP OBJECTIVES**

DRAWN BY:	H. DELGADO	PROJ NO.:	472223.0000.0000
CHECKED BY:	M. KENSELL		
APPROVED BY:	L. O'HARA		**FIGURE 8**
DATE:	SEPTEMBER 2025		

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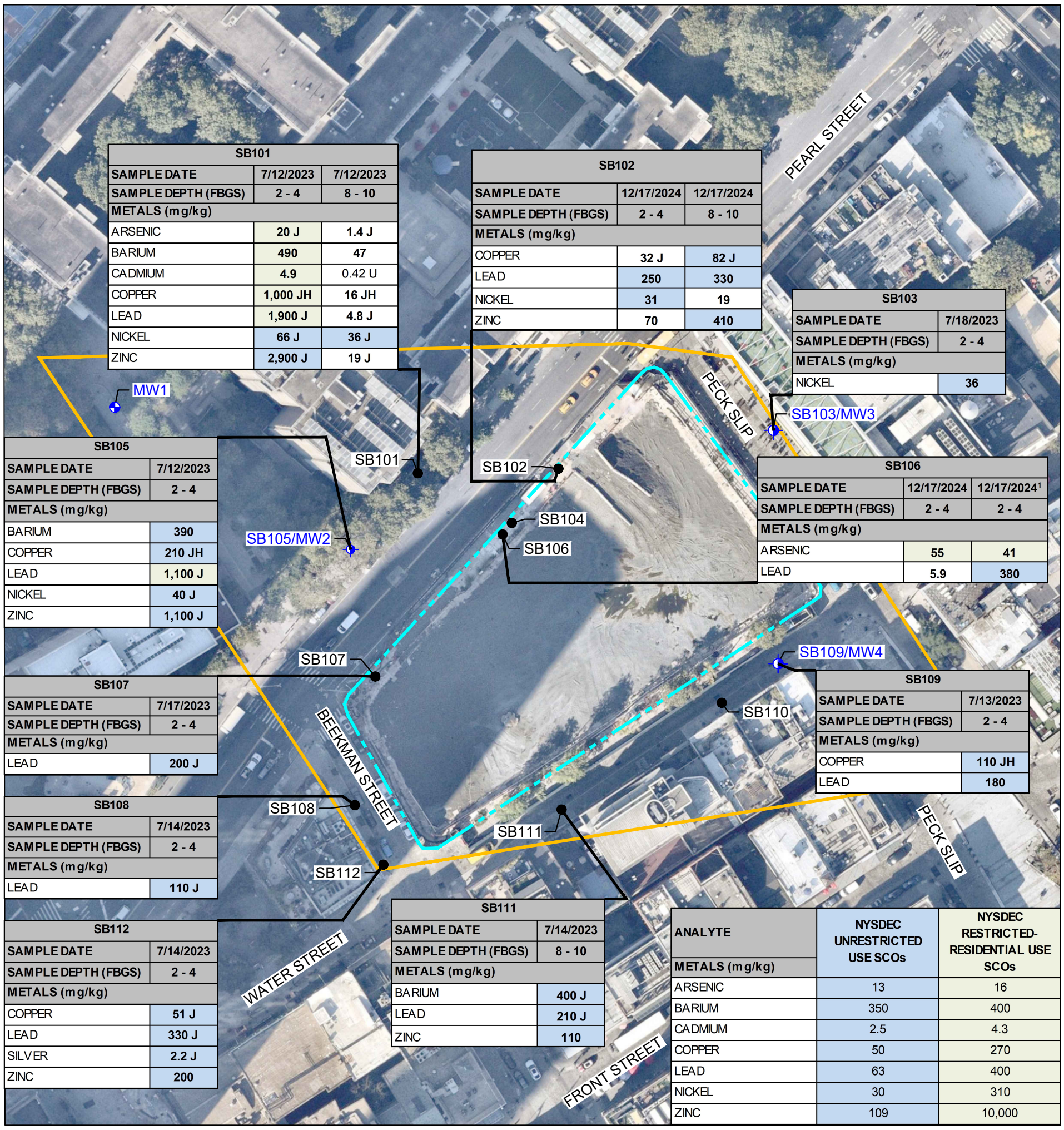
FILE NO.: Fig 8 - Soil Anal. Res. for PCBs & Pest. ASCOs (250).dwg

Version: 2017-10-21
11x17 -- USER: HDelgado -- ATTACHED XREFS: Manhattan -- ATTACHED IMAGES: 231127.2021-12-02 Wassuance_NTP_COI_SOW_D009812.tif; Page 2; EPSG2263_20210812; EPSG2263_20241011_v1; GEPro Aerial-2001 ft_04.26.2024 (250).web;
DRAWING NAME: \\CLIFTONPARK-VFP\clifton park\ECR\Projects\NYSDEC\D009812\Work Assignments\D009812-26 250 Water Street - P-site\Figures\TRC Working Drawings\ Fig 8 - Soil Anal. Res. for PCBs & Pest. ASCOs (250).dwg -- PLOT DATE: September 17, 2025 - 11:23AM -- LAYOUT: 11x17P



SB101		
SAMPLE DATE	7/12/2023	7/12/2023
SAMPLE DEPTH (FBGS)	2 - 4	8 - 10
METALS (mg/kg)		
ARSENIC	20 J	1.4 J
BARIUM	490	47
CADMIUM	4.9	0.42 U
COPPER	1,000 JH	16 JH
LEAD	1,900 J	4.8 J
NICKEL	66 J	36 J
ZINC	2,900 J	19 J

SB102		
SAMPLE DATE	12/17/2024	12/17/2024
SAMPLE DEPTH (FBGS)	2 - 4	8 - 10
METALS (mg/kg)		
COPPER	32 J	82 J
LEAD	250	330
NICKEL	31	19
ZINC	70	410

SB103	
SAMPLE DATE	7/18/2023
SAMPLE DEPTH (FBGS)	2 - 4
METALS (mg/kg)	
NICKEL	36

SB105	
SAMPLE DATE	7/12/2023
SAMPLE DEPTH (FBGS)	2 - 4
METALS (mg/kg)	
BARIUM	390
COPPER	210 JH
LEAD	1,100 J
NICKEL	40 J
ZINC	1,100 J

SB106		
SAMPLE DATE	12/17/2024	12/17/2024[1]
SAMPLE DEPTH (FBGS)	2 - 4	2 - 4
METALS (mg/kg)		
ARSENIC	55	41
LEAD	5.9	380

SB107	
SAMPLE DATE	7/17/2023
SAMPLE DEPTH (FBGS)	2 - 4
METALS (mg/kg)	
LEAD	200 J

SB108	
SAMPLE DATE	7/14/2023
SAMPLE DEPTH (FBGS)	2 - 4
METALS (mg/kg)	
LEAD	110 J

SB109	
SAMPLE DATE	7/13/2023
SAMPLE DEPTH (FBGS)	2 - 4
METALS (mg/kg)	
COPPER	110 JH
LEAD	180

SB111	
SAMPLE DATE	7/14/2023
SAMPLE DEPTH (FBGS)	8 - 10
METALS (mg/kg)	
BARIUM	400 J
LEAD	210 J
ZINC	110

SB112	
SAMPLE DATE	7/14/2023
SAMPLE DEPTH (FBGS)	2 - 4
METALS (mg/kg)	
COPPER	51 J
LEAD	330 J
SILVER	2.2 J
ZINC	200

ANALYTE METALS (mg/kg)	NYSDEC UNRESTRICTED USE SCOs	NYSDEC RESTRICTED-RESIDENTIAL USE SCOs
ARSENIC	13	16
BARIUM	350	400
CADMIUM	2.5	4.3
COPPER	50	270
LEAD	63	400
NICKEL	30	310
ZINC	109	10,000

0 80 160 FT.

SCALE: 1" = 80'
SHEET SIZE 11" BY 17"

N

TRUE NORTH
NY83-LIF

LEGEND (SYMBOLS NOT TO SCALE):

- APPROXIMATE BROWNFIELD CLEANUP PROGRAM (BCP) SITE BOUNDARY
- APPROXIMATE OFF-SITE P-SITE INVESTIGATION AREA BOUNDARY (EXCLUDES BCP SITE)
- SB###/MW# — SOIL BORING / MONITORING WELL LOCATION AND IDENTIFICATION NUMBER
- MW# — MONITORING WELL LOCATION AND IDENTIFICATION NUMBER
- SB### — SOIL BORING LOCATION AND IDENTIFICATION NUMBER

NOTES:

1. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES,BOUNDARIES, AND SAMPLE LOCATIONS ARE APPROXIMATE.
2. AERIAL IMAGE PROVIDED BY NEARMAP DATED OCTOBER 11, 2024.
3. SAMPLE LOCATIONS SURVEYED BY LABERGE GROUP IN AUGUST 2023 AND FEBRUARY 2025.
4. SCOs - SOIL CLEANUP OBJECTIVES.
5. ONLY METALS ABOVE NYSDEC SCOs ARE SHOWN.
6. BOLD AND HIGHLIGHTED RESULTS EXCEED CORRESPONDING SCOs.
7. FBGS - FEET BELOW GROUND SURFACE.
8. mg/kg - MILLIGRAMS PER KILOGRAM.
9. B - ANALYTE FOUND IN ASSOCIATED LABORATORY BLANK AS IN SAMPLE.
10. J - ESTIMATED VALUE.
11. JH - ESTIMATED VALUE, BIASED .
12. U - NON-DETECT.
13. [1] FIELD DUPLICATE SAMPLE COLLECTED FROM SB106 2 - 4 FEET BGS ON 12/17/2024.

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
250 WATER STREET - P-SITE
NYSDEC SITE NO. 231127
NEW YORK, NEW YORK

TITLE:
SOIL ANALYTICAL RESULTS FOR METALS ABOVE SOIL CLEANUP OBJECTIVES

DRAWN BY:	H. DELGADO	PROJ NO.:	472223.0000.0000
CHECKED BY:	M. KENSELL		
APPROVED BY:	L. O'HARA		**FIGURE 9**
DATE:	SEPTEMBER 2025		

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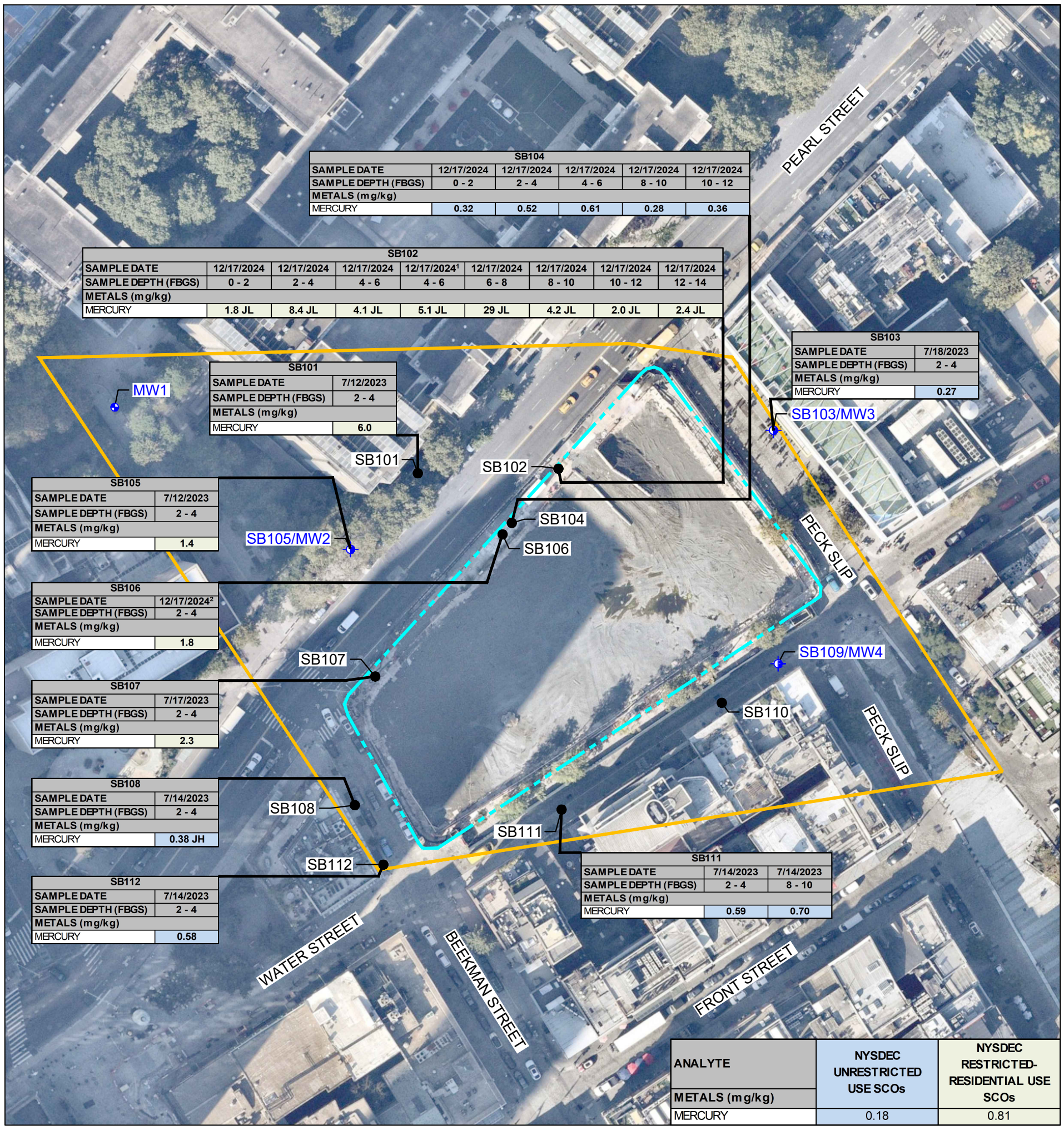
FILE NO.: Fig 9 - Soil Anal. Res. for Metals ASCOs (250).dwg

Version: 2017-10-21
11x17 --- USER: HDelgado --- ATTACHED XREFS: Manhattan --- ATTACHED IMAGES: 231127.2021-12-02 Wissuance_NTP_COI_SOW_D009812-28; Page 2; EPSG2263_20210812; EPSG2263_20241011_v1; GEPro Aerial-2008 ft_04.26.2024 (250)_web;
DRAWING NAME: \\CLIFTONPARK-VFP\clifton park\ECR\Projects\NYSDEC\D009812\Work Assignments\D009812-26 250 Water Street - P-site\Figures\TRC Working Drawings\ Fig 9 - Soil Anal. Res. for Metals ASCOs (250).dwg --- PLOT DATE: September 17, 2025 - 11:39AM --- LAYOUT: 11x17P



SB104					
SAMPLE DATE	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024
SAMPLE DEPTH (FBGS)	0 - 2	2 - 4	4 - 6	8 - 10	10 - 12
METALS (mg/kg)					
MERCURY	0.32	0.52	0.61	0.28	0.36

SB102								
SAMPLE DATE	12/17/2024	12/17/2024	12/17/2024	12/17/2024[1]	12/17/2024	12/17/2024	12/17/2024	12/17/2024
SAMPLE DEPTH (FBGS)	0 - 2	2 - 4	4 - 6	4 - 6	6 - 8	8 - 10	10 - 12	12 - 14
METALS (mg/kg)								
MERCURY	1.8 JL	8.4 JL	4.1 JL	5.1 JL	29 JL	4.2 JL	2.0 JL	2.4 JL

SB101	
SAMPLE DATE	7/12/2023
SAMPLE DEPTH (FBGS)	2 - 4
METALS (mg/kg)	
MERCURY	6.0

SB103	
SAMPLE DATE	7/18/2023
SAMPLE DEPTH (FBGS)	2 - 4
METALS (mg/kg)	
MERCURY	0.27

SB105	
SAMPLE DATE	7/12/2023
SAMPLE DEPTH (FBGS)	2 - 4
METALS (mg/kg)	
MERCURY	1.4

SB106	
SAMPLE DATE	12/17/2024[2]
SAMPLE DEPTH (FBGS)	2 - 4
METALS (mg/kg)	
MERCURY	1.8

SB107	
SAMPLE DATE	7/17/2023
SAMPLE DEPTH (FBGS)	2 - 4
METALS (mg/kg)	
MERCURY	2.3

SB108	
SAMPLE DATE	7/14/2023
SAMPLE DEPTH (FBGS)	2 - 4
METALS (mg/kg)	
MERCURY	0.38 JH

SB112	
SAMPLE DATE	7/14/2023
SAMPLE DEPTH (FBGS)	2 - 4
METALS (mg/kg)	
MERCURY	0.58

SB111		
SAMPLE DATE	7/14/2023	7/14/2023
SAMPLE DEPTH (FBGS)	2 - 4	8 - 10
METALS (mg/kg)		
MERCURY	0.59	0.70

ANALYTE	NYSDEC UNRESTRICTED USE SCOs	NYSDEC RESTRICTED-RESIDENTIAL USE SCOs
METALS (mg/kg)		
MERCURY	0.18	0.81

0 80 160 FT.

SCALE: 1" = 80'
SHEET SIZE 11" BY 17"

N

TRUE NORTH
NY83-LIF

LEGEND (SYMBOLS NOT TO SCALE):

- APPROXIMATE BROWNFIELD CLEANUP PROGRAM (BCP) SITE BOUNDARY
- APPROXIMATE OFF-SITE P-SITE INVESTIGATION AREA BOUNDARY (EXCLUDES BCP SITE)
- SB###/MW# — SOIL BORING / MONITORING WELL LOCATION AND IDENTIFICATION NUMBER
- MW# — MONITORING WELL LOCATION AND IDENTIFICATION NUMBER
- SB### — SOIL BORING LOCATION AND IDENTIFICATION NUMBER

NOTES:

1. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES, BOUNDARIES, AND SAMPLE LOCATIONS ARE APPROXIMATE.
2. AERIAL IMAGE PROVIDED BY NEARMAP DATED OCTOBER 11, 2024.
3. SAMPLE LOCATIONS SURVEYED BY LABERGE GROUP IN AUGUST 2023 AND FEBRUARY 2025.
4. SCOs - SOIL CLEANUP OBJECTIVES.
5. ONLY MERCURY ABOVE NYSDEC SCOs ARE SHOWN.
6. BOLD AND HIGHLIGHTED RESULTS EXCEED CORRESPONDING SCOs.
7. FBGS - FEET BELOW GROUND SURFACE.
8. mg/kg - MILLIGRAMS PER KILOGRAM.
9. JH - ESTIMATED VALUE, BIASED HIGH.
10. JL - ESTIMATED VALUE, BIASED LOW.
11. [1] FIELD DUPLICATE SAMPLE COLLECTED FROM SB102 4 - 6 FEET BGS ON 12/17/2024.
12. [2] FIELD DUPLICATE SAMPLE COLLECTED FROM SB106 2 - 4 FEET BGS ON 12/17/2024.

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
250 WATER STREET - P-SITE
NYSDEC SITE NO. 231127
NEW YORK, NEW YORK

TITLE:
SOIL ANALYTICAL RESULTS FOR MERCURY ABOVE SOIL CLEANUP OBJECTIVES

DRAWN BY:	H. DELGADO	PROJ NO.:	472223.0000.0000
CHECKED BY:	M. KENSELL		
APPROVED BY:	L. O'HARA		**FIGURE 10**
DATE:	SEPTEMBER 2025		

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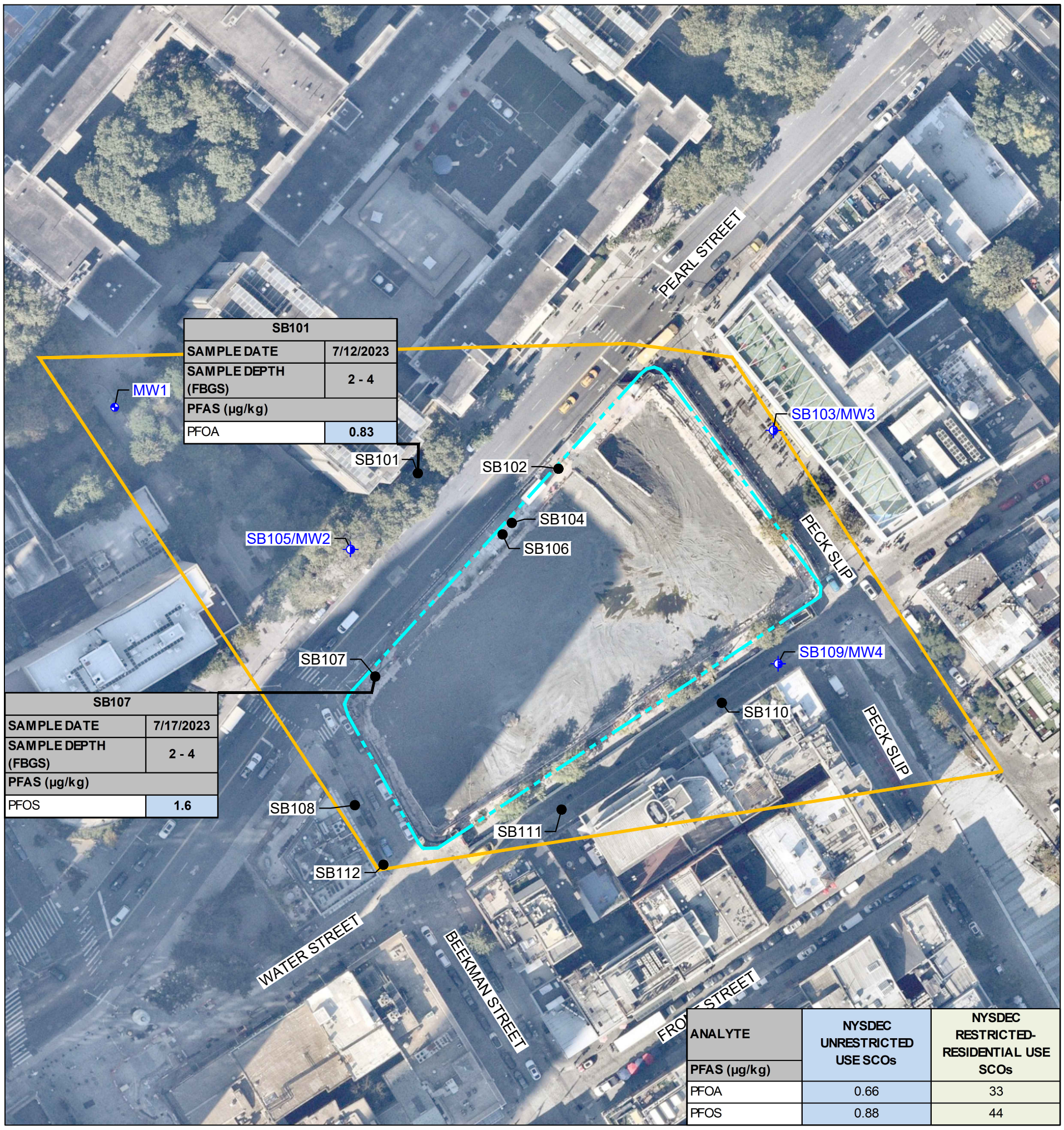
FILE NO.: Fig 10 - Soil Anal. Res. for Mercury ASCOs (250).dwg

Version: 2017-10-21
11x17 -- USER: HDelgado -- ATTACHED XREFS: Manhattan -- ATTACHED IMAGES: 231127.2021-12-02 Waissuance_NTP_COI_SOW_D009812-28; Page 2; EPSG2263_20210812; EPSG2263_20241011_v1; GEPro Aerial-2008 ft_04.26.2024 (250).web;
DRAWING NAME: \\CLIFTONPARK-VFP\clifton park\ECR\Projects\NYSDEC\D009812\Work Assignments\D009812-26 250 Water Street - P-site\Figures\TRC Working Drawings\ Fig 10 - Soil Anal. Res. for Mercury ASCOs (250).dwg -- PLOT DATE: September 17, 2025 - 11:51AM -- LAYOUT: 11x17P



ANALYTE	NYSDEC UNRESTRICTED USE SCOs	NYSDEC RESTRICTED-RESIDENTIAL USE SCOs
PFAS (µg/kg)		
PFOA	0.66	33
PFOS	0.88	44

N

0 80 160 FT.

SCALE: 1" = 80'
SHEET SIZE 11" BY 17"

TRUE NORTH
NY83-LIF

LEGEND (SYMBOLS NOT TO SCALE):

- APPROXIMATE BROWNFIELD CLEANUP PROGRAM (BCP) SITE BOUNDARY
- APPROXIMATE OFF-SITE P-SITE INVESTIGATION AREA BOUNDARY (EXCLUDES BCP SITE)
- SB###/MW# — SOIL BORING / MONITORING WELL LOCATION AND IDENTIFICATION NUMBER
- MW# — MONITORING WELL LOCATION AND IDENTIFICATION NUMBER
- SB### — SOIL BORING LOCATION AND IDENTIFICATION NUMBER

NOTES:

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2. AERIAL IMAGE PROVIDED BY NEARMAP DATED OCTOBER 11, 2024.
3. SAMPLE LOCATIONS SURVEYED BY LABERGE GROUP IN AUGUST 2023 AND FEBRUARY 2025.
4. PFAS - PER AND POLYFLUOROALKYL SUBSTANCES.
5. PFOA - PERFLUOROOCTANOIC ACID.
6. PFOS - PERFLUOROOCTANESULFONIC ACID.
7. SCOs - SOIL CLEANUP OBJECTIVES.
8. ONLY PFAS ABOVE NYSDEC SCOs ARE SHOWN.
9. BOLD AND HIGHLIGHTED RESULTS EXCEED CORRESPONDING SCOs.
10. FBGS - FEET BELOW GROUND SURFACE.
11. µg/kg - MICROGRAMS PER KILOGRAM.

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
250 WATER STREET - P-SITE
NYSDEC SITE NO. 231127
NEW YORK, NEW YORK

TITLE:
SOIL ANALYTICAL RESULTS FOR PFAS ABOVE SOIL CLEANUP OBJECTIVES

DRAWN BY:	H. DELGADO	PROJ NO.:	472223.0000.0000
CHECKED BY:	M. KENSELL		**FIGURE 11**
APPROVED BY:	L. O'HARA		
DATE:	SEPTEMBER 2025		

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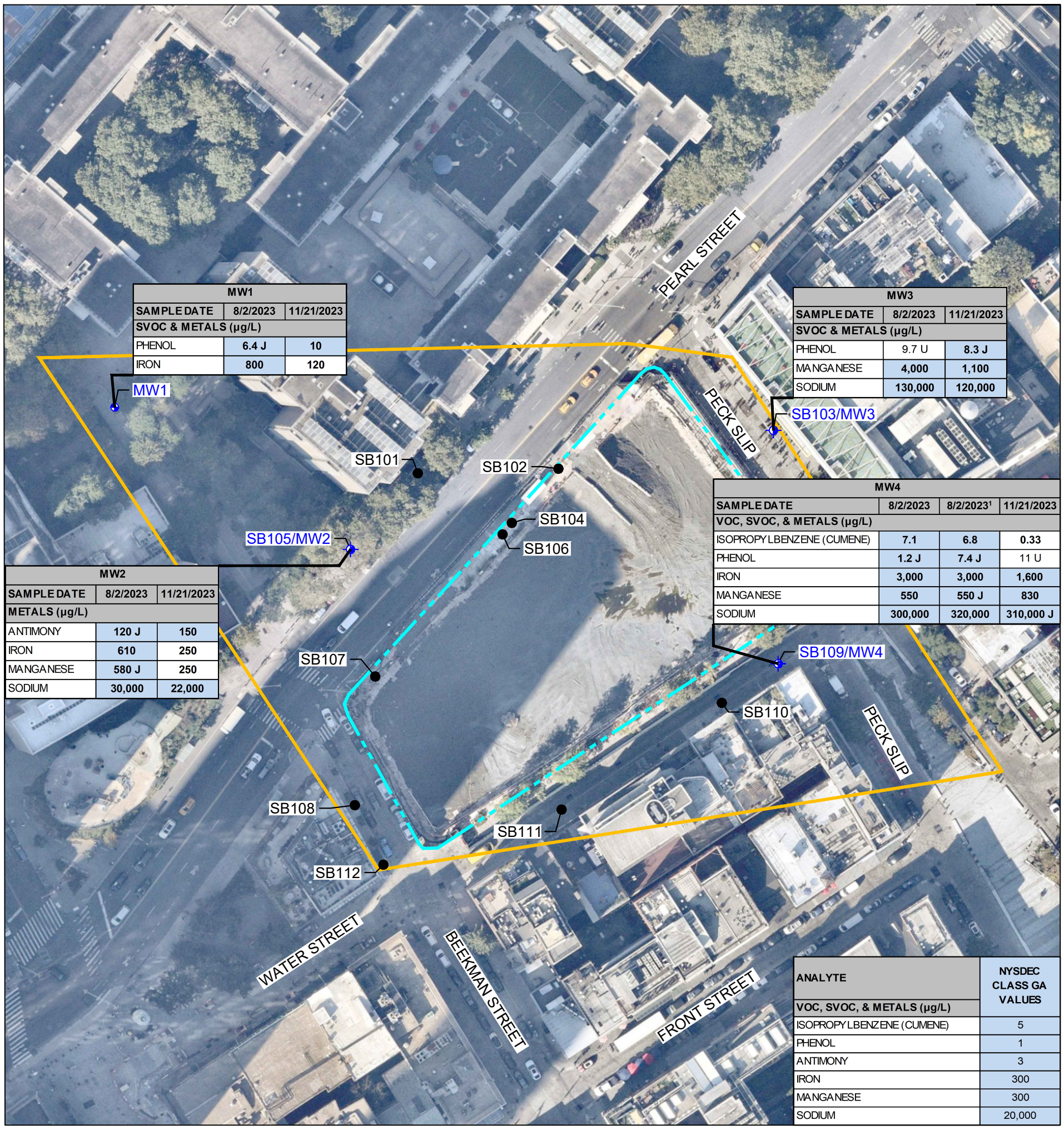
FILE NO.: Fig 11 - Soil Anal. Res. for PFAS ASCOs (250).dwg

Version: 2017-10-21
11x17 -- USER: HDelgado -- ATTACHED XREFS: Manhattan -- ATTACHED IMAGES: 231127.2021-12-02.Waissuance_NTP_COI_SOW_D009812-28; Page-2; EPSG2263_20210812; EPSG2263_20241011_v1; GEPro Aerial-2008 ft_04.26.2024 (250)_web;
DRAWING NAME: \\CLIFTONPARK-VFP\clifton park\ECR\Projects\NYSDEC\D009812\Work Assignments\D009812-26 250 Water Street - P-site\Figures\TRC Working Drawings\ Fig 11 - Soil Anal. Res. for PFAS ASCOs (250).dwg -- PLOT DATE: September 17, 2025 - 11:58AM -- LAYOUT: 11x17P



MW1		
SAMPLE DATE	8/2/2023	11/21/2023
SVOC & METALS (µg/L)		
PHENOL	6.4 J	10
IRON	800	120

MW2		
SAMPLE DATE	8/2/2023	11/21/2023
METALS (µg/L)		
ANTIMONY	120 J	150
IRON	610	250
MANGANESE	580 J	250
SODIUM	30,000	22,000

MW3		
SAMPLE DATE	8/2/2023	11/21/2023
SVOC & METALS (µg/L)		
PHENOL	9.7 U	8.3 J
MANGANESE	4,000	1,100
SODIUM	130,000	120,000

MW4			
SAMPLE DATE	8/2/2023	8/2/2023[1]	11/21/2023
VOC, SVOC, & METALS (µg/L)			
ISOPROPYLBENZENE (CUMENE)	7.1	6.8	0.33
PHENOL	1.2 J	7.4 J	11 U
IRON	3,000	3,000	1,600
MANGANESE	550	550 J	830
SODIUM	300,000	320,000	310,000 J

ANALYTE	NYSDEC CLASS GA VALUES
VOC, SVOC, & METALS (µg/L)	
ISOPROPYLBENZENE (CUMENE)	5
PHENOL	1
ANTIMONY	3
IRON	300
MANGANESE	300
SODIUM	20,000

0 80 160 FT.

SCALE: 1" = 80'
SHEET SIZE 11" BY 17"

N

TRUE NORTH
NY83-LIF

LEGEND (SYMBOLS NOT TO SCALE):

- APPROXIMATE BROWNFIELD CLEANUP PROGRAM (BCP) SITE BOUNDARY
- APPROXIMATE OFF-SITE P-SITE INVESTIGATION AREA BOUNDARY (EXCLUDES BCP SITE)
- SB###/MW# — SOIL BORING / MONITORING WELL LOCATION AND IDENTIFICATION NUMBER
- MW# — MONITORING WELL LOCATION AND IDENTIFICATION NUMBER
- SB### — SOIL BORING LOCATION AND IDENTIFICATION NUMBER

NOTES:

1. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES, BOUNDARIES, AND SAMPLE LOCATIONS ARE APPROXIMATE.
2. AERIAL IMAGE PROVIDED BY NEARMAP DATED OCTOBER 11, 2024.
3. SAMPLE LOCATIONS SURVEYED BY LABERGE GROUP IN AUGUST 2023 AND FEBRUARY 2025.
4. VOCs - VOLATILE ORGANIC COMPOUNDS.
5. SVOCs - SEMIVOLATILE ORGANIC COMPOUNDS.
6. ONLY VOCs, SVOCs, & METALs ABOVE NYSDEC CLASS GA VALUES ARE SHOWN.
7. BOLD AND HIGHLIGHTED RESULTS EXCEED CLASS GA VALUE.
8. µg/L - MICROGRAMS PER LITER.
9. J- ESTIMATED VALUE.
10. U - NON-DETECT.
11. [1] FIELD DUPLICATE SAMPLE COLLECTED AT MW4 ON 8/2/2023.

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
250 WATER STREET - P-SITE
NYSDEC SITE NO. 231127
NEW YORK, NEW YORK

TITLE: **GROUNDWATER ANALYTICAL RESULTS FOR VOCs, SVOCs, AND METALS ABOVE CLASS GA VALUES**

DRAWN BY:	H. DELGADO	PROJ NO.:	472223.0000.0000
CHECKED BY:	M. KENSELL		
APPROVED BY:	L. O'HARA		**FIGURE 12**
DATE:	SEPTEMBER 2025		

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New York, NY 10018
Phone: 212.221.7822
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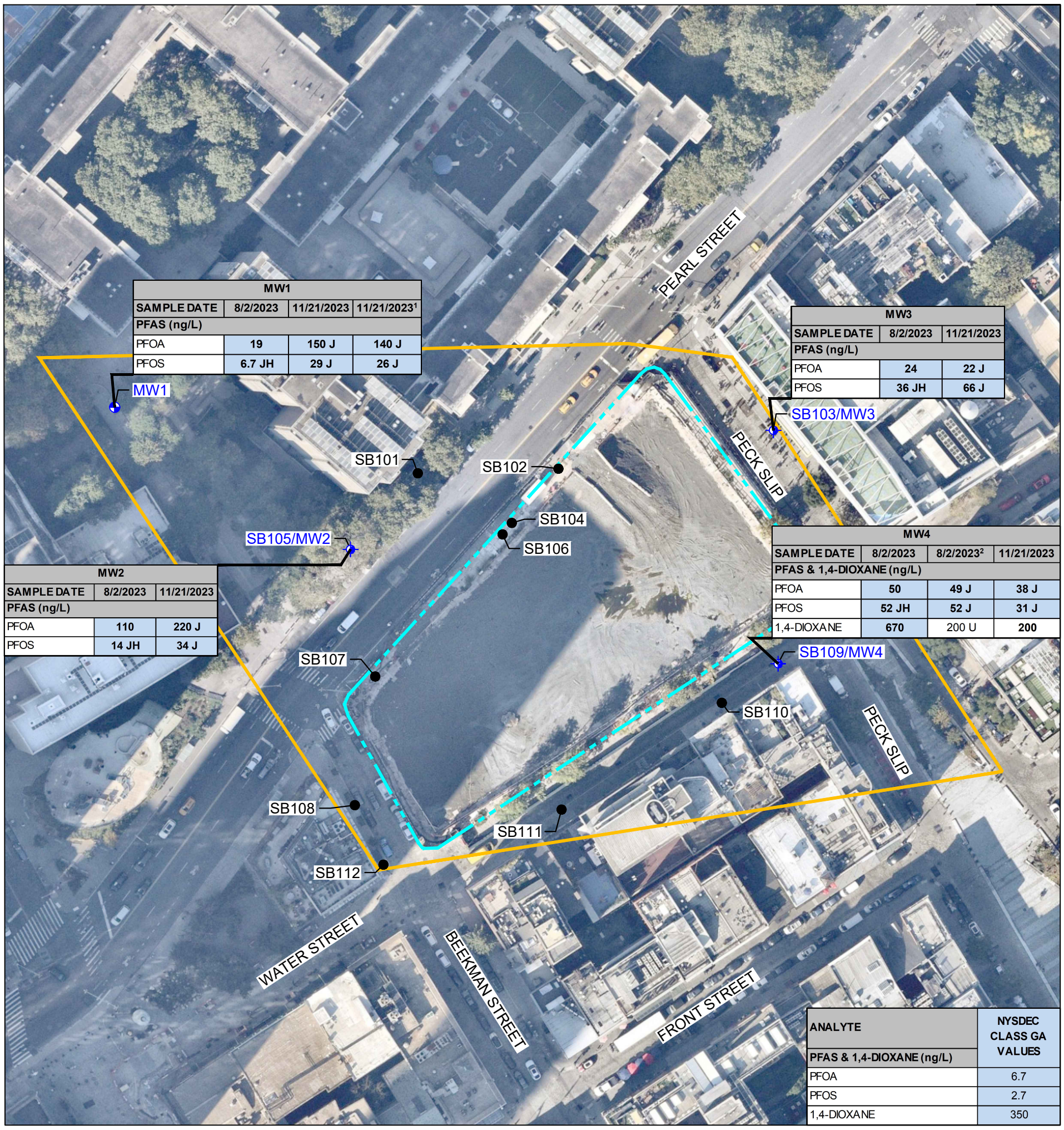
FILE NO.: Fig 12 - GW Anal. Res. for VOCs, SVOCs, & Metals ACGAVs (250).dwg

Version: 2017-10-21
11x17 -- USER: HDelgado -- ATTACHED XREFS: Manhattan -- ATTACHED IMAGES: 231127.2021-12-02.Waissuance_NTP_COI_SOW_D009812-28; Page-2; EPSG2263_20210812; EPSG2263_20241011_v1; GEPro Aerial-2008 ft_04.26.2024 (250).web;
DRAWING NAME: \\CLIFTONPARK-VFP\cliftonpark\ECR\Projects\NYSDEC\D009812\Work Assignments\SD009812-26 250 Water Street - P-site\Figures\TRC Working Drawings\ Fig 12 - GW Anal. Res. for VOCs, SVOCs, & Metals ACGAVs (250).dwg --- PLOT DATE: September 17, 2025 - 12:05PM --- LAYOUT: 11x17P



MW1			
SAMPLE DATE	8/2/2023	11/21/2023	11/21/2023[1]
PFAS (ng/L)			
PFOA	19	150 J	140 J
PFOS	6.7 JH	29 J	26 J

MW2		
SAMPLE DATE	8/2/2023	11/21/2023
PFAS (ng/L)		
PFOA	110	220 J
PFOS	14 JH	34 J

MW3		
SAMPLE DATE	8/2/2023	11/21/2023
PFAS (ng/L)		
PFOA	24	22 J
PFOS	36 JH	66 J

MW4			
SAMPLE DATE	8/2/2023	8/2/2023[2]	11/21/2023
PFAS & 1,4-DIOXANE (ng/L)			
PFOA	50	49 J	38 J
PFOS	52 JH	52 J	31 J
1,4-DIOXANE	670	200 U	200

ANALYTE	NYSDEC CLASS GA VALUES
PFAS & 1,4-DIOXANE (ng/L)	
PFOA	6.7
PFOS	2.7
1,4-DIOXANE	350

N

0 80 160 FT.

SCALE: 1" = 80'
SHEET SIZE 11" BY 17"

TRUE NORTH
NY83-LIF

LEGEND (SYMBOLS NOT TO SCALE):

- APPROXIMATE BROWNFIELD CLEANUP PROGRAM (BCP) SITE BOUNDARY
- APPROXIMATE OFF-SITE P-SITE INVESTIGATION AREA BOUNDARY (EXCLUDES BCP SITE)
- SB###/MW# — SOIL BORING / MONITORING WELL LOCATION AND IDENTIFICATION NUMBER
- MW# — MONITORING WELL LOCATION AND IDENTIFICATION NUMBER
- SB### — SOIL BORING LOCATION AND IDENTIFICATION NUMBER

NOTES:

1. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES, BOUNDARIES, AND SAMPLE LOCATIONS ARE APPROXIMATE.
2. AERIAL IMAGE PROVIDED BY NEARMAP DATED OCTOBER 11, 2024.
3. SAMPLE LOCATIONS SURVEYED BY LABERGE GROUP IN AUGUST 2023 AND FEBRUARY 2025.
4. PFAS - PER AND POLYFLUOROALKYL SUBSTANCES.
5. PFOA - PERFLUOROOCTANOIC ACID.
6. PFOS - PERFLUOROOCTANESULFONIC ACID.
7. ONLY PFAS AND 1,4-DIOXANE ABOVE NYSDEC CLASS GA VALUES ARE SHOWN.
8. BOLD AND HIGHLIGHTED RESULTS EXCEED CLASS GA VALUE.
9. ng/L - NANOGRAMS PER LITER.
10. J - ESTIMATED VALUE.
11. JH - ESTIMATED VALUE, BIASED HIGH.
12. U - NON-DETECT.
13. [1] FIELD DUPLICATE SAMPLE COLLECTED AT MW1 ON 11/21/2023.
14. [2] FIELD DUPLICATE SAMPLE COLLECTED AT MW4 ON 8/2/2023.

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
250 WATER STREET - P-SITE
NYSDEC SITE NO. 231127
NEW YORK, NEW YORK

TITLE: **GROUNDWATER ANALYTICAL RESULTS FOR PFAS AND 1,4-DIOXANE ABOVE CLASS GA VALUES**

DRAWN BY:	H. DELGADO	PROJ NO.:	472223.0000.0000
CHECKED BY:	M. KENSELL		**FIGURE 13**
APPROVED BY:	L. O'HARA		
DATE:	SEPTEMBER 2025		

TRC
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New York, NY 10018
Phone: 212.221.7822
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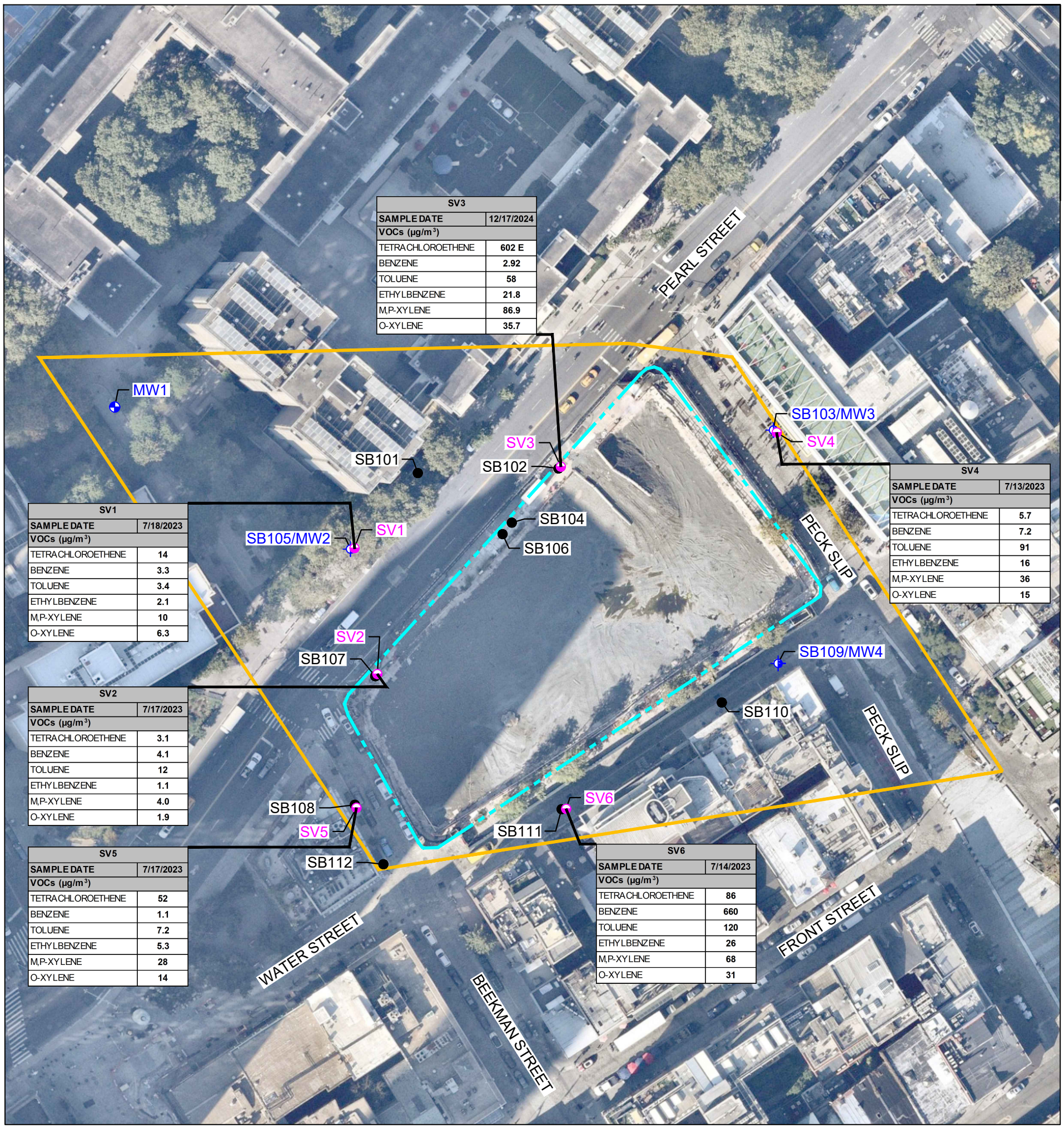
FILE NO.: Fig 13 - GW Anal. Res. for PFAS & 1,4-Dioxane ACGAVs (250).dwg

Version: 2017-10-21
11x17 -- USER: HDelgado -- ATTACHED XREFS: Manhattan -- ATTACHED IMAGES: 231127.2021-12-02 Wassuance_NTP_COI_SOW_D009812-26_Page_2; EPSG2263_20210812; EPSG2263_20241011_v1; GEPro Aerial-2001 ft_04.26.2024 (250)_web;
DRAWING NAME: \\CLIFTONPARK-VFP\clifton$\parkNECR\Projects\NYSDEC\D009812\Work Assignments\D009812-26 250 Water Street - P-site\Figures\TRC Working Drawings\ Fig 13 - GW Anal. Res. for PFAS & 1,4-Dioxane ACGAVs (250).dwg -- PLOT DATE: September 17, 2025 - 12:00PM -- LAYOUT: 11x17P



SV3	
SAMPLE DATE	12/17/2024
VOCs (µg/m³)	
TETRACHLOROETHENE	602 E
BENZENE	2.92
TOLUENE	58
ETHYLBENZENE	21.8
M,P-XYLENE	86.9
O-XYLENE	35.7

SV4	
SAMPLE DATE	7/13/2023
VOCs (µg/m³)	
TETRACHLOROETHENE	5.7
BENZENE	7.2
TOLUENE	91
ETHYLBENZENE	16
M,P-XYLENE	36
O-XYLENE	15

SV1	
SAMPLE DATE	7/18/2023
VOCs (µg/m³)	
TETRACHLOROETHENE	14
BENZENE	3.3
TOLUENE	3.4
ETHYLBENZENE	2.1
M,P-XYLENE	10
O-XYLENE	6.3

SV2	
SAMPLE DATE	7/17/2023
VOCs (µg/m³)	
TETRACHLOROETHENE	3.1
BENZENE	4.1
TOLUENE	12
ETHYLBENZENE	1.1
M,P-XYLENE	4.0
O-XYLENE	1.9

SV5	
SAMPLE DATE	7/17/2023
VOCs (µg/m³)	
TETRACHLOROETHENE	52
BENZENE	1.1
TOLUENE	7.2
ETHYLBENZENE	5.3
M,P-XYLENE	28
O-XYLENE	14

SV6	
SAMPLE DATE	7/14/2023
VOCs (µg/m³)	
TETRACHLOROETHENE	86
BENZENE	660
TOLUENE	120
ETHYLBENZENE	26
M,P-XYLENE	68
O-XYLENE	31

N

0 80 160 FT.

SCALE: 1" = 80'
SHEET SIZE 11" BY 17"

TRUE NORTH
NY83-LIF

LEGEND (SYMBOLS NOT TO SCALE):

- APPROXIMATE BROWNFIELD CLEANUP PROGRAM (BCP) SITE BOUNDARY
- APPROXIMATE OFF-SITE P-SITE INVESTIGATION AREA BOUNDARY (EXCLUDES BCP SITE)
- SB###/MW# — SOIL BORING / MONITORING WELL LOCATION AND IDENTIFICATION NUMBER
- MW# — MONITORING WELL LOCATION AND IDENTIFICATION NUMBER
- SB### — SOIL BORING LOCATION AND IDENTIFICATION NUMBER
- SV# — SOIL VAPOR SAMPLE LOCATION AND IDENTIFICATION NUMBER

NOTES:

1. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES, BOUNDARIES, AND SAMPLE LOCATIONS ARE APPROXIMATE.
2. AERIAL IMAGE PROVIDED BY NEARMAP DATED OCTOBER 11, 2024.
3. SAMPLE LOCATIONS SURVEYED BY LABERGE GROUP IN AUGUST 2023 AND FEBRUARY 2025.
4. VOCs - VOLATILE ORGANIC COMPOUNDS.
5. µg/m^3 - MICROGRAMS PER CUBIC METER.
6. E - VALUE REPORTED OVER VERIFIED CALIBRATION RANGE.

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
250 WATER STREET - P-SITE
NYSDEC SITE NO. 231127
NEW YORK, NEW YORK

TITLE:
SOIL VAPOR ANALYTICAL RESULTS FOR SELECT VOCs

DRAWN BY:	H. DELGADO	PROJ NO.:	472223.0000.0000
CHECKED BY:	M. KENSELL		
APPROVED BY:	L. O'HARA		**FIGURE 14**
DATE:	SEPTEMBER 2025		

TRC
1407 Broadway, Suite 3301
New York, NY 10018
Phone: 212.221.7822
www.TRCcompanies.com

FILE NO.: Fig 14 - Soil Vapor Anal. Res. for Select VOCs (250).dwg

Version: 2017-10-21
11x17 --- USER: HDelgado --- ATTACHED XREFS: Manhattan --- ATTACHED IMAGES: 231127-2021-12-02-Waiuance_NTP_COI_SOW_D009812-26_Page_2_EPSG2263_20241011_v1, GEPro Aerial-200 ft_04.26.2024 (250)_web
DRAWING NAME: \\CLIFTONPARK-VFP\cliftonpark\ECR\Projects\NYSDEC\D009812\Work Assignments\D009812-26 250 Water Street - P-site\Figures\TRC Working Drawings\Fig 14 - Soil Vapor Anal. Res. for Select VOCs (250).dwg --- PLOT DATE: September 17, 2025 - 12:10PM --- LAYOUT: 11x17P

TABLES

Table 1A
New York State Department of Environmental Conservation
250 Water Street P-Site Site Characterization
New York, New York
Summary of Results of Analysis of Soil for Volatile Organic Compounds

					SB101				SB102				SB103				SB104			
Sample Location:					SB101				SB102				SB103				SB104			
Sample Name:					250WATERST-SB101-SS(2-4)		250WATERST-SB101-SS(8-10)		250WATERST-SB102-SO-(2-4)		250WATERST-SB102-SO-(8-10)		250WATERST-SB103-SS(2-4)		250WATERST-SB103-SS(7-9)		250WATERST-SB104-SO-(2-4)		250WATERST-SB104-SO-(10-12)	
Lab Sample ID:					23G1746-01		23G1746-02		24L1652-02		24L1652-05		23G2653-01		23G2653-02		24L1652-09		24L1652-13	
Sample Depth:					2-4 ft		8-10 ft		2-4 ft		8-10 ft		2-4 ft		7-9 ft		2-4 ft		10-12 ft	
Sample Date:					7/12/2023		7/12/2023		12/17/2024		12/17/2024		7/18/2023		7/18/2023		12/17/2024		12/17/2024	
			NYSDEC SCOs*																	
Volatile Organic Compounds (VOCs)	CAS #	Unit	Unrestricted Use	Restricted Residential Use																
Acetone	67-64-1	mg/kg	0.05	100	**0.039**	**J**	0.074	UJ	0.11	U	0.097	U	**0.012**	**J**	0.081	UJ	0.071	U	0.082	U
Benzene	71-43-2	mg/kg	0.06	4.8	0.0035	U	0.0015	U	0.0021	U	0.0019	U	**0.0011**	**J**	0.0016	U	0.0014	U	0.0016	U
Bromochloromethane	74-97-5	mg/kg	NS	NS	0.0035	U	0.0015	U	0.0021	U	0.0019	U	0.0014	U	0.0016	U	0.0014	U	0.0016	U
Bromodichloromethane	75-27-4	mg/kg	NS	NS	0.0035	UJ	0.0015	UJ	0.0021	U	0.0019	U	0.0014	UJ	0.0016	UJ	0.0014	U	0.0016	U
Bromoform	75-25-2	mg/kg	NS	NS	0.0035	U	0.0015	U	0.0021	U	0.0019	U	0.0014	U	0.0016	U	0.0014	U	0.0016	U
Bromomethane	74-83-9	mg/kg	NS	NS	0.018	UJ	0.0074	UJ	0.011	UJ	0.0097	UJ	0.0068	U	0.0081	U	0.0071	UJ	0.0082	UJ
2-Butanone (MEK)	78-93-3	mg/kg	0.12	100	0.071	U	0.03	U	0.042	U	0.039	U	0.027	U	0.033	U	0.028	U	0.033	U
Carbon Disulfide	75-15-0	mg/kg	NS	NS	0.071	UJ	0.03	UJ	0.021	UJ	0.019	UJ	0.0068	UJ	0.0081	UJ	0.014	UJ	0.016	UJ
Carbon Tetrachloride	56-23-5	mg/kg	0.76	2.4	0.0035	U	0.0015	U	0.0021	U	0.0019	U	0.0014	U	0.0016	U	0.0014	U	0.0016	U
Chlorobenzene	108-90-7	mg/kg	1.1	100	0.0035	U	0.0015	U	0.0021	U	0.0019	U	0.0014	U	0.0016	U	0.0014	U	0.0016	U
Chlorodibromomethane	75-00-3	mg/kg	NS	NS	0.035	U	0.015	U	0.0011	U	0.00097	U	0.014	U	0.016	U	0.00071	U	0.00082	U
Chloroethane	67-66-3	mg/kg	0.37	49	**0.0015**	**J**	**0.00095**	**J**	0.021	U	0.019	U	0.0027	U	0.0033	U	0.014	U	0.016	U
Chloroform	74-87-3	mg/kg	NS	NS	**0.0045**	**J**	0.0074	U	0.0042	U	0.0039	U	0.0068	U	0.0081	U	0.0028	U	0.0033	U
Chloromethane	110-82-7	mg/kg	NS	NS	0.018	U	0.0074	U	0.011	UJ	0.0097	UJ	0.0068	U	0.0081	U	0.0071	UJ	0.0082	UJ
Cyclohexane	124-48-1	mg/kg	NS	NS	0.0018	U	0.00074	U	0.011	U	0.0097	U	0.00068	U	0.00081	U	0.0071	U	0.0082	U
1,2-Dibromo-3-Chloropropane (DBCP)	96-12-8	mg/kg	NS	NS	0.0035	U	0.0015	U	0.0021	U	0.0019	U	0.0014	U	0.0016	U	0.0014	U	0.0016	U
1,2-Dibromoethane	106-93-4	mg/kg	NS	NS	0.0018	U	0.00074	U	0.0011	U	0.00097	U	0.00068	U	0.00081	U	0.00071	U	0.00082	U
1,2-Dichlorobenzene	95-50-1	mg/kg	1.1	100	0.0035	U	0.0015	U	0.0021	U	0.0019	U	0.0014	U	0.0016	U	0.0014	U	0.0016	U
1,3-Dichlorobenzene	541-73-1	mg/kg	2.4	49	0.0035	U	0.0015	U	0.0021	U	0.0019	U	0.0014	U	0.0016	U	0.0014	U	0.0016	U
1,4-Dichlorobenzene	106-46-7	mg/kg	1.8	13	0.0035	U	0.0015	U	0.0021	U	0.0019	U	0.0014	U	0.0016	U	0.0014	U	0.0016	U
Dichlorodifluoromethane (Freon 12)	75-71-8	mg/kg	NS	NS	0.035	U	0.015	U	0.021	UJ	0.019	UJ	0.014	U	0.016	U	0.014	UJ	0.016	UJ
1,1-Dichloroethane	75-34-3	mg/kg	0.27	26	0.0035	U	0.0015	U	0.0021	U	0.0019	U	0.0014	U	0.0016	U	0.0014	U	0.0016	U
1,2-Dichloroethane	107-06-2	mg/kg	0.02	3.1	0.0035	U	0.0015	U	0.0021	U	0.0019	U	0.0014	U	0.0016	U	0.0014	U	0.0016	U
1,1-Dichloroethylene	75-35-4	mg/kg	0.33	100	0.0071	UJ	0.003	UJ	0.0042	U	0.0039	U	0.0027	UJ	0.0033	UJ	0.0028	U	0.0033	U
cis-1,2-Dichloroethylene	156-59-2	mg/kg	0.25	100	0.0035	U	0.0015	U	0.0021	U	0.0019	U	0.0014	U	0.0016	U	0.0014	U	0.0016	U
trans-1,2-Dichloroethylene	156-60-5	mg/kg	0.19	100	0.0035	U	0.0015	U	0.0021	U	0.0019	U	0.0014	U	0.0016	U	0.0014	U	0.0016	U
1,2-Dichloropropane	78-87-5	mg/kg	NS	NS	0.0035	U	0.0015	U	0.0021	U	0.0019	U	0.0014	U	0.0016	U	0.0014	U	0.0016	U
cis-1,3-Dichloropropene	10061-01-5	mg/kg	NS	NS	0.0018	U	0.00074	U	0.0011	U	0.00097	U	0.00068	U	0.00081	U	0.00071	U	0.00082	U
trans-1,3-Dichloropropene	10061-02-6	mg/kg	NS	NS	0.0018	U	0.00074	U	0.0011	U	0.00097	U	0.00068	U	0.00081	U	0.00071	U	0.00082	U
1,4-Dioxane	123-91-1	mg/kg	0.1	13	0.18	UJ	0.074	UJ	0.056	U	0.058	U	0.068	UJ	0.081	UJ	0.050	U	0.058	U
Ethyl Benzene	100-41-4	mg/kg	1	41	0.0035	U	0.0015	U	0.0021	U	0.0019	U	0.0014	U	0.0016	U	0.0014	U	0.0016	U
2-Hexanone (MBK)	591-78-6	mg/kg	NS	NS	0.035	U	0.015	U	0.021	U	0.019	U	0.014	U	0.016	U	0.014	U	0.016	U
Isopropylbenzene (Cumene)	98-82-8	mg/kg	NS	NS	0.0035	U	0.0015	U	0.0021	U	0.0019	U	0.0014	U	0.0016	U	0.0014	U	0.0016	U
Methyl Acetate	79-20-9	mg/kg	NS	NS	0.0035	U	0.0015	U	0.0021	UJ	0.0019	UJ	0.0014	U	0.0016	U	0.0014	UJ	0.0016	UJ
Methyl tert-Butyl Ether (MTBE)	1634-04-4	mg/kg	0.93	100	0.0071	U	0.003	U	0.0042	U	0.0039	U	0.0027	U	0.0033	U	0.0028	U	0.0033	U
Methyl Cyclohexane	108-87-2	mg/kg	NS	NS	0.0071	U	0.003	U	0.0021	U	0.0019	U	0.0014	U	0.0016	U	0.0014	U	0.0016	U
Methylene Chloride	75-09-2	mg/kg	0.05	100	0.035	U	0.015	U	0.021	U	0.019	U	0.014	U	0.016	U	0.014	U	0.016	U
4-Methyl-2-pentanone (MIBK)	108-10-1	mg/kg	NS	NS	0.035	U	0.015	U	0.021	U	0.019	U	0.014	U	0.016	U	0.014	U	0.016	U
Styrene	100-42-5	mg/kg	NS	NS	0.0035	U	0.0015	U	0.0021	U	0.0019	U	0.0014	U	0.0016	U	0.0014	U	0.0016	U
1,1,2,2-Tetrachloroethane	79-34-5	mg/kg	NS	NS	0.0018	U	0.00074	U	0.0011	U	0.00097	U	0.00068	U	0.00081	U	0.00071	U	0.00082	U
Tetrachloroethylene	127-18-4	mg/kg	1.3	19	0.0035	U	0.0015	U	0.0021	U	0.0019	U	0.0014	U	0.0016	U	0.0014	U	0.0016	U
Toluene	108-88-3	mg/kg	0.7	100	0.0035	U	0.0015	U	**0.00087**	**J**	0.0019	U	**0.00058**	**J**	0.0016	U	0.0014	U	0.0016	U
1,2,3-Trichlorobenzene	87-61-6	mg/kg	NS	NS	0.0035	U	0.0015	U	0.0021	U	0.0019	U	0.0014	U	0.0016	U	0.0014	U	0.0016	U
1,2,4-Trichlorobenzene	120-82-1	mg/kg	NS	NS	0.0035	U	0.0015	U	0.0021	U	0.0019	U	0.0014	U	0.0016	U	0.0014	U	0.0016	U
1,1,1-Trichloroethane	71-55-6	mg/kg	0.68	100	0.0035	U	0.0015	U	0.0021	U	0.0019	U	0.0014	U	0.0016	U	0.0014	U	0.0016	U
1,1,2-Trichloroethane	79-00-5	mg/kg	NS	NS	0.0035	UJ	0.0015	UJ	0.0021	U	0.0019	U	0.0014	UJ	0.0016	UJ	0.0014	U	0.0016	U
Trichloroethylene	79-01-6	mg/kg	0.47	21	0.0035	U	0.0015	U	0.0021	U	0.0019	U	0.0014	UJ	0.0016	UJ	0.0014	U	0.0016	U
Trichlorofluoromethane (Freon 11)	75-69-4	mg/kg	NS	NS	0.018	U	0.0074	U	0.011	U	0.0097	U	0.0068	U	0.0081	U	0.0071	U	0.0082	U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	76-13-1	mg/kg	NS	NS	0.018	U	0.0074	U	0.011	U	0.0097	U	0.0068	U	0.0081	U	0.0071	U	0.0082	U
Vinyl Chloride	75-01-4	mg/kg	0.02	0.9	0.018	U	0.0074	U	0.011	UJ	0.0097	UJ	0.0068	U	0.0081	U	0.0071	UJ	0.0082	UJ
Xylenes (total)	1330-20-7	mg/kg	0.26	100	0.0035	U	0.0015	U	0.0021	U	0.0019	U	0.0014	U	0.0016	U	0.0014	U	0.0016	U
Total TICs		mg/kg	NS	NS	*NA*		*NA*		*NA*		*NA*		*NA*		*NA*		*NA*		*NA*	

Notes:
J - Estimated value.
JH - Estimated value; biased high.
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
NA - Sample not analyzed for the listed analyte.
NS - No NYSDEC standards exist for this analyte.
Shading indicates result above Restricted Use Residential SCO.
Shading indicates result above Unrestricted Use SCO.
TICs - Tentatively Identified Compounds.
U - Analyte was not detected at specified quantitation limit.
UJ - Estimated non-detects.
Values in **bold** indicate the analyte was detected.
* - New York State Department of Environmental Conservation, Soil Cleanup Objectives (SCOs).

Table 1A
New York State Department of Environmental Conservation
250 Water Street P-Site Site Characterization
New York, New York
Summary of Results of Analysis of Soil for Volatile Organic Compounds

					SB105				SB106								SB107			
Sample Location:																				
Sample Name:					250WATERST-SB105-SS(2-4)		250WATERST-SB105-SS(13-15)		250WATERST-SB106-SO-(2-4)		250WATERST-DUP-1-20241217		250WATERST-SB106-SO-(10-12)				250WATERST-SB107-SS(2-4)		250WATERST-SB107-SS(13-15)	
Lab Sample ID:					23G1746-03		23G1746-04		24L1652-17		24L1652-25		24L1652-21				23G2329-01		23G2329-02	
Sample Depth:					2-4 ft		13-15 ft		2-4 ft		2-4 ft		10-12 ft				2-4 ft		13-15 ft	
Sample Date:					7/12/2023		7/12/2023		12/17/2024		12/17/2024		12/17/2024				7/17/2023		7/17/2023	
			NYSDEC SCOs*								Field Dup									
Volatile Organic Compounds (VOCs)	CAS #	Unit	Unrestricted Use	Restricted Residential Use																
Acetone	67-64-1	mg/kg	0.05	100	**0.011**	**J**	**0.022**	**J**	0.13	U	0.076	U	0.074	U			**0.012**	**JH**	0.071	UJ
Benzene	71-43-2	mg/kg	0.06	4.8	0.0023	U	0.0022	U	0.0026	U	0.0015	U	0.0015	U			0.0014	U	0.0014	U
Bromochloromethane	74-97-5	mg/kg	NS	NS	0.0023	U	0.0022	U	0.0026	U	0.0015	U	0.0015	U			0.0014	U	0.0014	U
Bromodichloromethane	75-27-4	mg/kg	NS	NS	0.0023	UJ	0.0022	UJ	0.0026	U	0.0015	U	0.0015	U			0.0014	UJ	0.0014	UJ
Bromoform	75-25-2	mg/kg	NS	NS	0.0023	U	0.0022	U	0.0026	U	0.0015	U	0.0015	U			0.0014	U	0.0014	U
Bromomethane	74-83-9	mg/kg	NS	NS	0.012	UJ	0.011	UJ	0.013	UJ	0.0076	UJ	0.0074	UJ			0.0069	UJ	0.0071	UJ
2-Butanone (MEK)	78-93-3	mg/kg	0.12	100	0.047	U	0.043	U	0.051	U	0.030	U	0.029	U			0.027	U	0.028	U
Carbon Disulfide	75-15-0	mg/kg	NS	NS	0.047	UJ	**0.0087**	**J**	0.026	UJ	0.015	UJ	0.015	UJ			0.0069	UJ	0.0071	UJ
Carbon Tetrachloride	56-23-5	mg/kg	0.76	2.4	0.0023	U	0.0022	U	0.0026	U	0.0015	U	0.0015	U			0.0014	U	0.0014	U
Chlorobenzene	108-90-7	mg/kg	1.1	100	0.0023	U	0.0022	U	0.0026	U	0.0015	U	0.0015	U			0.0014	U	0.0014	U
Chlorodibromomethane	75-00-3	mg/kg	NS	NS	0.023	U	0.022	U	0.0013	U	0.00076	U	0.00074	U			0.014	U	0.014	U
Chloroethane	67-66-3	mg/kg	0.37	49	0.0047	U	0.0043	U	0.026	U	0.015	U	0.015	U			0.0027	UJ	0.0028	UJ
Chloroform	74-87-3	mg/kg	NS	NS	0.012	U	0.011	U	0.0051	U	0.0030	U	0.0029	U			0.0069	U	0.0071	U
Chloromethane	110-82-7	mg/kg	NS	NS	0.012	U	0.011	U	0.013	UJ	0.0076	UJ	0.0074	UJ			0.0069	U	0.0071	U
Cyclohexane	124-48-1	mg/kg	NS	NS	0.0012	U	0.0011	U	0.013	U	0.0076	U	0.0074	U			0.00069	U	0.00071	U
1,2-Dibromo-3-Chloropropane (DBCP)	96-12-8	mg/kg	NS	NS	0.0023	U	0.0022	U	0.0026	U	0.0015	U	0.0015	U			0.0014	U	0.0014	U
1,2-Dibromoethane	106-93-4	mg/kg	NS	NS	0.0012	U	0.0011	U	0.0013	U	0.00076	U	0.00074	U			0.00069	U	0.00071	U
1,2-Dichlorobenzene	95-50-1	mg/kg	1.1	100	0.0023	U	0.0022	U	0.0026	U	0.0015	U	0.0015	U			0.0014	U	0.0014	U
1,3-Dichlorobenzene	541-73-1	mg/kg	2.4	49	0.0023	U	0.0022	U	0.0026	U	0.0015	U	0.0015	U			0.0014	U	0.0014	U
1,4-Dichlorobenzene	106-46-7	mg/kg	1.8	13	0.0023	U	0.0022	U	0.0026	U	0.0015	U	0.0015	U			0.0014	U	0.0014	U
Dichlorodifluoromethane (Freon 12)	75-71-8	mg/kg	NS	NS	0.023	U	0.022	U	0.026	UJ	0.015	UJ	0.015	UJ			0.014	U	0.014	U
1,1-Dichloroethane	75-34-3	mg/kg	0.27	26	0.0023	U	0.0022	U	0.0026	U	0.0015	U	0.0015	U			0.0014	U	0.0014	U
1,2-Dichloroethane	107-06-2	mg/kg	0.02	3.1	0.0023	U	0.0022	U	0.0026	U	0.0015	U	0.0015	U			0.0014	U	0.0014	U
1,1-Dichloroethylene	75-35-4	mg/kg	0.33	100	0.0047	UJ	0.0043	UJ	0.0051	U	0.0030	U	0.0029	U			0.0027	UJ	0.0028	UJ
cis-1,2-Dichloroethylene	156-59-2	mg/kg	0.25	100	0.0023	U	0.0022	U	0.0026	U	0.0015	U	0.0015	U			0.0014	U	0.0014	U
trans-1,2-Dichloroethylene	156-60-5	mg/kg	0.19	100	0.0023	U	0.0022	U	0.0026	U	0.0015	U	0.0015	U			0.0014	U	0.0014	U
1,2-Dichloropropane	78-87-5	mg/kg	NS	NS	0.0023	U	0.0022	U	0.0026	U	0.0015	U	0.0015	U			0.0014	U	0.0014	U
cis-1,3-Dichloropropene	10061-01-5	mg/kg	NS	NS	0.0012	U	0.0011	U	0.0013	U	0.00076	U	0.00074	U			0.00069	U	0.00071	U
trans-1,3-Dichloropropene	10061-02-6	mg/kg	NS	NS	0.0012	U	0.0011	U	0.0013	U	0.00076	U	0.00074	U			0.00069	U	0.00071	U
1,4-Dioxane	123-91-1	mg/kg	0.1	13	0.12	UJ	0.11	UJ	0.052	U	0.050	U	0.055	U			0.069	UJ	0.071	UJ
Ethyl Benzene	100-41-4	mg/kg	1	41	0.0023	U	0.0022	U	0.0026	U	0.0015	U	0.0015	U			0.0014	U	0.0014	U
2-Hexanone (MBK)	591-78-6	mg/kg	NS	NS	0.023	U	0.022	U	0.026	U	0.015	U	0.015	U			0.014	U	0.014	U
Isopropylbenzene (Cumene)	98-82-8	mg/kg	NS	NS	0.0023	U	0.0022	U	0.0026	U	0.0015	U	0.0015	U			0.0014	U	0.0014	U
Methyl Acetate	79-20-9	mg/kg	NS	NS	0.0023	U	0.0022	U	0.0026	UJ	0.0015	UJ	0.0015	UJ			0.0014	U	0.0014	U
Methyl tert-Butyl Ether (MTBE)	1634-04-4	mg/kg	0.93	100	0.0047	U	0.0043	U	0.0051	U	0.0030	U	0.0029	U			0.0027	U	0.0028	U
Methyl Cyclohexane	108-87-2	mg/kg	NS	NS	0.0047	U	0.0043	U	0.0026	U	0.0015	U	0.0015	U			0.0027	U	0.0028	U
Methylene Chloride	75-09-2	mg/kg	0.05	100	**0.0013**	**J**	0.022	U	0.026	U	0.015	U	0.015	U			**0.0027**	**JH**	**0.0050**	**J**
4-Methyl-2-pentanone (MIBK)	108-10-1	mg/kg	NS	NS	0.023	U	0.022	U	0.026	U	0.015	U	0.015	U			0.014	U	0.014	U
Styrene	100-42-5	mg/kg	NS	NS	0.0023	U	0.0022	U	0.0026	U	0.0015	U	0.0015	U			0.0014	U	0.0014	U
1,1,2,2-Tetrachloroethane	79-34-5	mg/kg	NS	NS	0.0012	U	0.0011	U	0.0013	U	0.00076	U	0.00074	U			0.00069	U	0.00071	U
Tetrachloroethylene	127-18-4	mg/kg	1.3	19	0.0023	U	0.0022	U	0.0026	U	0.0015	U	0.0015	U			0.0014	U	0.0014	U
Toluene	108-88-3	mg/kg	0.7	100	0.0023	U	0.0022	U	0.0026	U	0.0015	U	0.0015	U			0.0014	U	0.0014	U
1,2,3-Trichlorobenzene	87-61-6	mg/kg	NS	NS	0.0023	U	0.0022	U	0.0026	U	0.0015	U	0.0015	U			0.0014	U	0.0014	U
1,2,4-Trichlorobenzene	120-82-1	mg/kg	NS	NS	0.0023	U	0.0022	U	0.0026	U	0.0015	U	0.0015	U			0.0014	U	0.0014	U
1,1,1-Trichloroethane	71-55-6	mg/kg	0.68	100	0.0023	U	0.0022	U	0.0026	U	0.0015	U	0.0015	U			0.0014	U	0.0014	U
1,1,2-Trichloroethane	79-00-5	mg/kg	NS	NS	0.0023	UJ	0.0022	UJ	0.0026	U	0.0015	U	0.0015	U			0.0014	UJ	0.0014	UJ
Trichloroethylene	79-01-6	mg/kg	0.47	21	0.0023	U	0.0022	U	0.0026	U	0.0015	U	0.0015	U			0.0014	U	0.0014	U
Trichlorofluoromethane (Freon 11)	75-69-4	mg/kg	NS	NS	0.012	U	0.011	U	0.013	U	0.0076	U	0.0074	U			0.0069	U	0.0071	U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	76-13-1	mg/kg	NS	NS	0.012	U	0.011	U	0.013	U	0.0076	U	0.0074	U			0.0069	U	0.0071	U
Vinyl Chloride	75-01-4	mg/kg	0.02	0.9	0.012	U	0.011	U	0.013	UJ	0.0076	UJ	0.0074	UJ			0.0069	UJ	0.0071	UJ
Xylenes (total)	1330-20-7	mg/kg	0.26	100	0.0023	U	0.0022	U	0.0026	U	0.0015	U	0.0015	U			0.0014	U	0.0014	U
Total TICs		mg/kg	NS	NS	*NA*		***0.007***		*NA*		***0.017***		*NA*				*NA*		*NA*	

Notes:
J - Estimated value.
JH - Estimated value; biased high.
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
NA - Sample not analyzed for the listed analyte.
NS - No NYSDEC standards exist for this analyte.
Shading indicates result above Restricted Use Residential SCO.
Shading indicates result above Unrestricted Use SCO.
TICs - Tentatively Identified Compounds.
U - Analyte was not detected at specified quantitation limit.
UJ - Estimated non-detects.
Values in **bold** indicate the analyte was detected.
* - New York State Department of Environmental Conservation, Soil Cleanup Objectives (SCOs).

Table 1A
New York State Department of Environmental Conservation
250 Water Street P-Site Site Characterization
New York, New York
Summary of Results of Analysis of Soil for Volatile Organic Compounds

				Sample Location:	**SB108**				**SB109**										**SB110**	
				Sample Name:	250WATERST-SB108-SS(2-4)		250WATERST-SB108-SS(11-13)		250WATERST-SB109-SO-(2-4)		250WATERST-SS-DUP		250WATERST-SB109-SO-(10-12)		250WATERST-SB109-SO-(20-22)		250WATERST-SB110-SO-(2-4)	
				Lab Sample ID:	23G1941-04		23G1941-05		23G1822-01		23G1822-05		23G1822-02		23G1822-03		23G1822-04	
				Sample Depth:	2-4 ft		11-13 ft		2-4 ft		2-4 ft		10-12 ft		20-22 ft		2-4 ft	
				Sample Date:	7/14/2023		7/14/2023		7/13/2023		7/13/2023		7/13/2023		7/13/2023		7/13/2023	
			NYSDEC SCOs*								Field Dup							
Volatile Organic Compounds (VOCs)	CAS #	Unit	Unrestricted Use	Restricted Residential Use														
Acetone	67-64-1	mg/kg	0.05	100	**0.015**	**J**	**0.0058**	**J**	**0.013**	**J**	**0.027**	**J**	**0.025**	**J**	0.067	UJ	**0.023**	**J**
Benzene	71-43-2	mg/kg	0.06	4.8	**0.0021**		0.0012	U	**0.00053**	**J**	**0.0011**	**J**	**0.0010**	**J**	0.0013	U	0.0018	U
Bromochloromethane	74-97-5	mg/kg	NS	NS	0.0014	U	0.0012	U	0.0016	U	0.0018	UJ	0.0028	UJ	0.0013	UJ	0.0018	UJ
Bromodichloromethane	75-27-4	mg/kg	NS	NS	0.0014	UJ	0.0012	UJ	0.0016	UJ	0.0018	UJ	0.0028	UJ	0.0013	UJ	0.0018	UJ
Bromoform	75-25-2	mg/kg	NS	NS	0.0014	U	0.0012	U	0.0016	U	0.0018	U	0.0028	U	0.0013	U	0.0018	U
Bromomethane	74-83-9	mg/kg	NS	NS	0.0068	U	0.0062	U	0.0078	U	0.0091	U	0.014	U	0.0067	U	0.0092	U
2-Butanone (MEK)	78-93-3	mg/kg	0.12	100	0.027	U	0.025	U	0.031	U	0.036	U	0.056	U	0.027	U	0.037	U
Carbon Disulfide	75-15-0	mg/kg	NS	NS	0.0068	UJ	0.0062	UJ	0.0078	UJ	0.0091	UJ	0.056	UJ	0.0067	UJ	0.037	UJ
Carbon Tetrachloride	56-23-5	mg/kg	0.76	2.4	0.0014	U	0.0012	U	0.0016	U	0.0018	U	0.0028	U	0.0013	U	0.0018	U
Chlorobenzene	108-90-7	mg/kg	1.1	100	0.0014	U	0.0012	U	0.0016	U	0.0018	U	0.0028	U	0.0013	U	0.0018	U
Chlorodibromomethane	75-00-3	mg/kg	NS	NS	0.014	U	0.012	U	0.016	U	0.018	U	0.028	U	0.013	U	0.018	U
Chloroethane	67-66-3	mg/kg	0.37	49	0.0027	U	0.0025	U	0.0031	U	0.0036	U	0.0056	UJ	0.0027	U	0.0037	UJ
Chloroform	74-87-3	mg/kg	NS	NS	0.0068	U	0.0062	U	0.0078	U	0.0091	U	0.014	U	0.0067	U	0.0092	U
Chloromethane	110-82-7	mg/kg	NS	NS	0.0068	U	0.0062	U	0.0078	U	0.0091	U	0.014	U	0.0067	U	0.0092	U
Cyclohexane	124-48-1	mg/kg	NS	NS	0.00068	U	0.00062	U	0.00078	U	0.00091	U	0.0014	U	0.00067	U	0.00092	U
1,2-Dibromo-3-Chloropropane (DBCP)	96-12-8	mg/kg	NS	NS	0.0014	U	0.0012	U	0.0016	U	0.0018	U	0.0028	U	0.0013	U	0.0018	U
1,2-Dibromoethane	106-93-4	mg/kg	NS	NS	0.00068	U	0.00062	U	0.00078	U	0.00091	U	0.0014	U	0.00067	U	0.00092	U
1,2-Dichlorobenzene	95-50-1	mg/kg	1.1	100	0.0014	U	0.0012	U	0.0016	U	0.0018	U	0.0028	U	0.0013	U	0.0018	U
1,3-Dichlorobenzene	541-73-1	mg/kg	2.4	49	0.0014	U	0.0012	U	0.0016	U	0.0018	U	0.0028	U	0.0013	U	0.0018	U
1,4-Dichlorobenzene	106-46-7	mg/kg	1.8	13	0.0014	U	0.0012	U	0.0016	U	0.0018	U	0.0028	U	0.0013	U	0.0018	U
Dichlorodifluoromethane (Freon 12)	75-71-8	mg/kg	NS	NS	0.014	U	0.012	U	0.016	U	0.018	U	0.028	U	0.013	U	0.018	U
1,1-Dichloroethane	75-34-3	mg/kg	0.27	26	0.0014	U	0.0012	U	0.0016	U	0.0018	U	0.0028	U	0.0013	U	0.0018	U
1,2-Dichloroethane	107-06-2	mg/kg	0.02	3.1	0.0014	U	0.0012	U	0.0016	U	0.0018	U	0.0028	U	0.0013	U	0.0018	U
1,1-Dichloroethylene	75-35-4	mg/kg	0.33	100	0.0027	UJ	0.0025	UJ	0.0031	UJ	0.0036	UJ	0.0056	UJ	0.0027	UJ	0.0037	UJ
cis-1,2-Dichloroethylene	156-59-2	mg/kg	0.25	100	0.0014	U	0.0012	U	0.0016	U	0.0018	U	0.0028	U	0.0013	U	0.0018	U
trans-1,2-Dichloroethylene	156-60-5	mg/kg	0.19	100	**0.00072**	**J**	**0.00073**	**J**	0.0016	U	0.0018	U	0.0028	U	0.0013	U	0.0018	U
1,2-Dichloropropane	78-87-5	mg/kg	NS	NS	0.0014	U	0.0012	U	0.0016	U	0.0018	U	0.0028	U	0.0013	U	0.0018	U
cis-1,3-Dichloropropene	10061-01-5	mg/kg	NS	NS	0.00068	U	0.00062	U	0.00078	U	0.00091	U	0.0014	U	0.00067	U	0.00092	U
trans-1,3-Dichloropropene	10061-02-6	mg/kg	NS	NS	0.00068	U	0.00062	U	0.00078	U	0.00091	U	0.0014	U	0.00067	U	0.00092	U
1,4-Dioxane	123-91-1	mg/kg	0.1	13	0.068	UJ	0.062	UJ	0.078	UJ	0.091	UJ	0.14	UJ	0.067	UJ	0.092	UJ
Ethyl Benzene	100-41-4	mg/kg	1	41	0.0014	U	0.0012	U	0.0016	U	0.0018	U	0.0028	U	0.0013	U	0.0018	U
2-Hexanone (MBK)	591-78-6	mg/kg	NS	NS	0.014	U	0.012	U	0.016	U	0.018	U	0.028	U	0.013	U	0.018	U
Isopropylbenzene (Cumene)	98-82-8	mg/kg	NS	NS	0.0014	U	0.0012	U	0.0016	U	0.0018	U	0.0028	U	0.0013	U	0.0018	U
Methyl Acetate	79-20-9	mg/kg	NS	NS	0.0014	U	0.0012	U	0.0016	U	0.0018	U	0.0028	U	0.0013	U	0.0018	U
Methyl tert-Butyl Ether (MTBE)	1634-04-4	mg/kg	0.93	100	0.0027	U	0.0025	U	0.0031	U	0.0036	U	0.0056	U	0.0027	U	0.0037	U
Methyl Cyclohexane	108-87-2	mg/kg	NS	NS	0.0014	U	0.0012	U	**0.00075**	**J**	**0.0028**		0.0028	U	0.0013	U	0.0018	U
Methylene Chloride	75-09-2	mg/kg	0.05	100	0.014	U	**0.00076**	**J**	**0.0017**	**J**	**0.0017**	**J**	**0.0026**	**J**	**0.0017**	**J**	**0.0035**	**J**
4-Methyl-2-pentanone (MIBK)	108-10-1	mg/kg	NS	NS	0.014	U	0.012	U	0.016	U	0.018	U	0.028	U	0.013	U	0.018	U
Styrene	100-42-5	mg/kg	NS	NS	0.0014	U	0.0012	U	0.0016	U	0.0018	U	0.0028	U	0.0013	U	0.0018	U
1,1,2,2-Tetrachloroethane	79-34-5	mg/kg	NS	NS	0.00068	U	0.00062	U	0.00078	U	0.00091	U	0.0014	U	0.00067	U	0.00092	U
Tetrachloroethylene	127-18-4	mg/kg	1.3	19	**0.0011**	**J**	**0.0010**	**J**	0.0016	U	0.0018	U	0.0028	U	0.0013	U	0.0018	U
Toluene	108-88-3	mg/kg	0.7	100	**0.00074**	**J**	0.0012	U	0.0016	U	0.0018	U	0.0028	U	0.0013	U	0.0018	U
1,2,3-Trichlorobenzene	87-61-6	mg/kg	NS	NS	0.0027	U	0.0025	U	0.0031	U	0.0036	U	0.0028	U	0.0027	U	0.0018	U
1,2,4-Trichlorobenzene	120-82-1	mg/kg	NS	NS	0.0014	U	0.0012	U	0.0016	U	0.0018	U	0.0028	U	0.0013	U	0.0018	U
1,1,1-Trichloroethane	71-55-6	mg/kg	0.68	100	0.0014	U	0.0012	U	0.0016	U	0.0018	U	0.0028	U	0.0013	U	0.0018	U
1,1,2-Trichloroethane	79-00-5	mg/kg	NS	NS	0.0014	UJ	0.0012	UJ	0.0016	UJ	0.0018	UJ	0.0028	UJ	0.0013	UJ	0.0018	UJ
Trichloroethylene	79-01-6	mg/kg	0.47	21	0.0014	U	0.0012	U	0.0016	U	0.0018	U	0.0028	U	0.0013	U	0.0018	U
Trichlorofluoromethane (Freon 11)	75-69-4	mg/kg	NS	NS	0.0068	U	0.0062	U	0.0078	U	0.0091	U	0.014	U	0.0067	U	0.0092	U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	76-13-1	mg/kg	NS	NS	0.0068	U	0.0062	U	0.0078	U	0.0091	U	0.014	U	0.0067	U	0.0092	U
Vinyl Chloride	75-01-4	mg/kg	0.02	0.9	0.0068	U	0.0062	U	0.0078	U	0.0091	U	0.014	U	0.0067	U	0.0092	U
Xylenes (total)	1330-20-7	mg/kg	0.26	100	0.0014	U	0.0012	U	0.0016	U	0.0018	U	0.0028	U	0.0013	U	0.0018	U
Total TICs		mg/kg	NS	NS	*NA*		*NA*		*NA*		*NA*		*NA*		*NA*		*NA*	

Notes:
J - Estimated value.
JH - Estimated value; biased high.
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
NA - Sample not analyzed for the listed analyte.
NS - No NYSDEC standards exist for this analyte.
Shading indicates result above Restricted Use Residential SCO.
Shading indicates result above Unrestricted Use SCO.
TICs - Tentatively Identified Compounds.
U - Analyte was not detected at specified quantitation limit.
UJ - Estimated non-detects.
Values in **bold** indicate the analyte was detected.
* - New York State Department of Environmental Conservation, Soil Cleanup Objectives (SCOs).

Table 1A
New York State Department of Environmental Conservation
250 Water Street P-Site Site Characterization
New York, New York
Summary of Results of Analysis of Soil for Volatile Organic Compounds

					SB111								SB112			
Sample Location:																
Sample Name:					250WATERST-SB111-SS(2-4)		250WATERST-SS-DUP-20230714		250WATERST-SB111-SS(8-10)		250WATERST-SB111-SS(22-24)		250WATERST-SB112-SS(2-4)		250WATERST-SB112-SS(8-10)	
Lab Sample ID:					23G1941-01		23G1941-08		23G1941-02		23G1941-03		23G1941-06		23G1941-07	
Sample Depth:					2-4 ft		2-4 ft		8-10 ft		22-24 ft		2-4 ft		8-10 ft	
Sample Date:					7/14/2023		7/14/2023		7/14/2023		7/14/2023		7/14/2023		7/14/2023	
			NYSDEC SCOs*				Field Dup									
Volatile Organic Compounds (VOCs)	CAS #	Unit	Unrestricted Use	Restricted Residential Use												
Acetone	67-64-1	mg/kg	0.05	100	**0.014**	**J**	**0.012**	**J**	**0.15**	**J**	0.14	UJ	**0.019**	**J**	**0.0054**	**J**
Benzene	71-43-2	mg/kg	0.06	4.8	0.0023	U	0.0018	U	0.0028	U	0.0028	U	0.0027	U	**0.00028**	**J**
Bromochloromethane	74-97-5	mg/kg	NS	NS	0.0023	U	0.0018	U	0.0028	U	0.0028	U	0.0027	U	0.00093	U
Bromodichloromethane	75-27-4	mg/kg	NS	NS	0.0023	UJ	0.0018	UJ	0.0028	UJ	0.0028	UJ	0.0027	UJ	0.00093	UJ
Bromoform	75-25-2	mg/kg	NS	NS	0.0023	U	0.0018	U	0.0028	U	0.0028	U	0.0027	U	0.00093	U
Bromomethane	74-83-9	mg/kg	NS	NS	0.012	U	0.009	U	0.014	U	0.014	U	0.014	U	0.0046	U
2-Butanone (MEK)	78-93-3	mg/kg	0.12	100	0.047	U	0.036	U	0.056	U	0.057	U	0.055	U	0.019	U
Carbon Disulfide	75-15-0	mg/kg	NS	NS	0.012	UJ	0.009	UJ	0.014	UJ	0.014	UJ	0.014	UJ	0.0046	UJ
Carbon Tetrachloride	56-23-5	mg/kg	0.76	2.4	0.0023	U	0.0018	U	0.0028	U	0.0028	U	0.0027	U	0.00093	U
Chlorobenzene	108-90-7	mg/kg	1.1	100	0.0023	U	0.0018	U	0.0028	U	0.0028	U	0.0027	U	0.00093	U
Chlorodibromomethane	75-00-3	mg/kg	NS	NS	0.023	U	0.018	U	0.028	U	0.028	U	0.027	U	0.0093	U
Chloroethane	67-66-3	mg/kg	0.37	49	0.0047	U	0.0036	U	0.0056	U	0.0057	U	0.0055	U	0.0019	U
Chloroform	74-87-3	mg/kg	NS	NS	0.012	U	0.009	U	0.014	U	0.014	U	0.014	U	0.0046	U
Chloromethane	110-82-7	mg/kg	NS	NS	0.012	U	0.009	U	0.014	U	0.014	U	0.014	U	0.0046	U
Cyclohexane	124-48-1	mg/kg	NS	NS	0.0012	U	0.0009	U	0.0014	U	0.0014	U	0.0014	U	0.00046	U
1,2-Dibromo-3-Chloropropane (DBCP)	96-12-8	mg/kg	NS	NS	0.0023	U	0.0018	U	0.0028	U	0.0028	U	0.0027	U	0.00093	U
1,2-Dibromoethane	106-93-4	mg/kg	NS	NS	0.0012	U	0.0009	U	0.0014	U	0.0014	U	0.0014	U	0.00046	U
1,2-Dichlorobenzene	95-50-1	mg/kg	1.1	100	0.0023	U	0.0018	U	0.0028	U	0.0028	U	0.0027	U	0.00093	U
1,3-Dichlorobenzene	541-73-1	mg/kg	2.4	49	0.0023	U	0.0018	U	0.0028	U	0.0028	U	0.0027	U	0.00093	U
1,4-Dichlorobenzene	106-46-7	mg/kg	1.8	13	0.0023	U	0.0018	U	0.0028	U	0.0028	U	0.0027	U	0.00093	U
Dichlorodifluoromethane (Freon 12)	75-71-8	mg/kg	NS	NS	0.023	U	0.018	U	0.028	U	0.028	U	0.027	U	0.0093	U
1,1-Dichloroethane	75-34-3	mg/kg	0.27	26	0.0023	U	0.0018	U	0.0028	U	0.0028	U	0.0027	U	0.00093	U
1,2-Dichloroethane	107-06-2	mg/kg	0.02	3.1	0.0023	U	0.0018	U	0.0028	U	0.0028	U	0.0027	U	0.00093	U
1,1-Dichloroethylene	75-35-4	mg/kg	0.33	100	0.0047	UJ	0.0036	UJ	0.0056	UJ	0.0057	UJ	0.0055	UJ	0.0019	UJ
cis-1,2-Dichloroethylene	156-59-2	mg/kg	0.25	100	0.0023	U	0.0018	U	0.0028	U	0.0028	U	0.0027	U	0.00093	U
trans-1,2-Dichloroethylene	156-60-5	mg/kg	0.19	100	**0.0030**		**0.0011**	**J**	**0.0020**	**J**	0.0028	U	**0.0043**		0.00093	U
1,2-Dichloropropane	78-87-5	mg/kg	NS	NS	0.0023	U	0.0018	U	0.0028	U	0.0028	U	0.0027	U	0.00093	U
cis-1,3-Dichloropropene	10061-01-5	mg/kg	NS	NS	0.0012	U	0.0009	U	0.0014	U	0.0014	U	0.0014	U	0.00046	U
trans-1,3-Dichloropropene	10061-02-6	mg/kg	NS	NS	0.0012	U	0.0009	U	0.0014	U	0.0014	U	0.0014	U	0.00046	U
1,4-Dioxane	123-91-1	mg/kg	0.1	13	0.12	UJ	0.09	UJ	0.14	UJ	0.14	UJ	0.14	UJ	0.046	UJ
Ethyl Benzene	100-41-4	mg/kg	1	41	0.0023	U	0.0018	U	0.0028	U	0.0028	U	0.0027	U	0.00093	U
2-Hexanone (MBK)	591-78-6	mg/kg	NS	NS	0.023	U	0.018	U	0.028	U	0.028	U	0.027	U	0.0093	U
Isopropylbenzene (Cumene)	98-82-8	mg/kg	NS	NS	0.0023	U	0.0018	U	0.0028	U	0.0028	U	0.0027	U	0.00093	U
Methyl Acetate	79-20-9	mg/kg	NS	NS	0.0023	U	0.0018	U	0.0028	U	0.0028	U	0.0027	U	0.00093	U
Methyl tert-Butyl Ether (MTBE)	1634-04-4	mg/kg	0.93	100	0.0047	U	0.0036	U	0.0056	U	0.0057	U	0.0055	U	0.0019	U
Methyl Cyclohexane	108-87-2	mg/kg	NS	NS	0.0023	U	0.0018	U	0.0028	U	0.0028	U	0.0027	U	0.00093	U
Methylene Chloride	75-09-2	mg/kg	0.05	100	0.023	U	**0.0013**	**J**	**0.0027**	**J**	0.028	U	**0.0036**	**J**	0.0093	U
4-Methyl-2-pentanone (MIBK)	108-10-1	mg/kg	NS	NS	0.023	U	0.018	U	0.028	U	0.028	U	0.027	U	0.0093	U
Styrene	100-42-5	mg/kg	NS	NS	0.0023	U	0.0018	U	0.0028	U	0.0028	U	0.0027	U	0.00093	U
1,1,2,2-Tetrachloroethane	79-34-5	mg/kg	NS	NS	0.0012	U	0.0009	U	0.0014	U	0.0014	U	0.0014	U	0.00046	U
Tetrachloroethylene	127-18-4	mg/kg	1.3	19	**0.0039**		**0.0013**	**J**	**0.0040**		0.0028	U	**0.0046**		0.00093	U
Toluene	108-88-3	mg/kg	0.7	100	0.0023	U	0.0018	U	0.0028	U	0.0028	U	0.0027	U	0.00093	U
1,2,3-Trichlorobenzene	87-61-6	mg/kg	NS	NS	0.0047	U	0.0036	U	0.0056	U	0.0057	U	0.0055	U	0.0019	U
1,2,4-Trichlorobenzene	120-82-1	mg/kg	NS	NS	0.0023	U	0.0018	U	0.0028	U	0.0028	U	0.0027	U	0.00093	U
1,1,1-Trichloroethane	71-55-6	mg/kg	0.68	100	0.0023	U	0.0018	U	0.0028	U	0.0028	U	0.0027	U	0.00093	U
1,1,2-Trichloroethane	79-00-5	mg/kg	NS	NS	0.0023	UJ	0.0018	UJ	0.0028	UJ	0.0028	UJ	0.0027	UJ	0.00093	UJ
Trichloroethylene	79-01-6	mg/kg	0.47	21	0.0023	U	0.0018	U	0.0028	U	0.0028	U	0.0027	U	0.00093	U
Trichlorofluoromethane (Freon 11)	75-69-4	mg/kg	NS	NS	0.012	U	0.009	U	0.014	U	0.014	U	0.014	U	0.0046	U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	76-13-1	mg/kg	NS	NS	0.012	U	0.009	U	0.014	U	0.014	U	0.014	U	0.0046	U
Vinyl Chloride	75-01-4	mg/kg	0.02	0.9	0.012	U	0.009	U	0.014	U	0.014	U	0.014	U	0.0046	U
Xylenes (total)	1330-20-7	mg/kg	0.26	100	0.0023	U	0.0018	U	0.0028	U	0.0028	U	0.0027	U	0.00093	U
Total TICs		mg/kg	NS	NS	*NA*		*NA*		*NA*		*NA*		*NA*		*NA*	

Notes:
J - Estimated value.
JH - Estimated value; biased high.
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
NA - Sample not analyzed for the listed analyte.
NS - No NYSDEC standards exist for this analyte.
Shading indicates result above Restricted Use Residential SCO.
Shading indicates result above Unrestricted Use SCO.
TICs - Tentatively Identified Compounds.
U - Analyte was not detected at specified quantitation limit.
UJ - Estimated non-detects.
Values in **bold** indicate the analyte was detected.
* - New York State Department of Environmental Conservation, Soil Cleanup Objectives (SCOs).

Table 1B
New York State Department of Environmental Conservation
250 Water Street P-Site Site Characterization
New York, New York
Summary of Results of Analysis of Soil for Semivolatile Organic Compounds

					SB101				SB102				SB103				SB104			
Sample Location:					SB101				SB102				SB103				SB104			
Sample Name:					250WATERST-SB101-SS(2-4)		250WATERST-SB101-SS(8-10)		250WATERST-SB102-SO-(2-4)		250WATERST-SB102-SO-(8-10)		250WATERST-SB103-SS(2-4)		250WATERST-SB103-SS(7-9)		250WATERST-SB104-SO-(2-4)		250WATERST-SB104-SO-(10-12)	
Lab Sample ID:					23G1746-01		23G1746-02		24L1652-02		24L1652-05		23G2653-01		23G2653-02		24L1652-09		24L1652-13	
Sample Depth:					2-4 ft		8-10 ft		2-4 ft		8-10 ft		2-4 ft		7-9 ft		2-4 ft		10-12 ft	
Sample Date:					7/12/2023		7/12/2023		12/17/2024		12/17/2024		7/18/2023		7/18/2023		12/17/2024		12/17/2024	
			NYSDEC SCOs*																	
Semivolatile Organic Compounds (SVOCs)	CAS #	Unit	Unrestricted Use	Restricted Residential Use																
Atrazine	1912-24-9	mg/kg	NS	NS	3.4	U	0.87	U	0.74	U	0.77	U	0.71	U	0.69	U	0.69	U	0.77	U
Benzaldehyde	100-52-7	mg/kg	NS	NS	**0.26**	**J**	0.44	U	0.38	U	0.39	U	0.36	UJ	0.35	UJ	0.35	U	0.39	U
1,1'-Biphenyl	92-52-4	mg/kg	NS	NS	**0.79**	**J**	0.87	U	0.74	U	0.77	U	0.71	U	0.69	U	0.69	U	0.77	U
Caprolactam	105-60-2	mg/kg	NS	NS	1.7	U	0.44	U	0.38	U	0.39	U	0.36	U	0.35	U	0.35	U	0.39	U
Acenaphthene	83-32-9	mg/kg	20	100	**6.7**		0.22	U	0.19	U	**0.070**	**J**	0.18	U	0.18	U	0.17	U	0.19	U
Acenaphthylene	208-96-8	mg/kg	100	100	**1.9**		0.22	U	0.19	U	0.19	U	0.18	U	0.18	U	0.17	U	0.19	U
Acetophenone	98-86-2	mg/kg	NS	NS	1.7	U	0.44	U	0.38	U	0.39	U	0.36	U	0.35	U	0.35	U	0.39	U
Anthracene	120-12-7	mg/kg	100	100	**13**		0.22	U	**0.041**	**J**	0.61		0.18	U	0.18	U	0.17	U	0.19	U
Benzo(a)anthracene	56-55-3	mg/kg	1	1	**37**		0.22	U	**1.3**		**3.1**		0.18	U	0.18	U	0.17	U	0.19	U
Benzo(a)pyrene	50-32-8	mg/kg	1	1	**35**		0.22	U	**1.3**		**2.3**		0.18	U	0.18	U	0.17	U	0.19	U
Benzo(b)fluoranthene	205-99-2	mg/kg	1	1	**47**		0.22	U	**1.9**		**3.2**		0.18	U	0.18	U	0.17	U	0.19	U
Benzo(g,h,i)perylene	191-24-2	mg/kg	100	100	**18**		0.22	U	**1.7**		**2.3**		0.18	U	0.18	U	0.17	U	0.19	U
Benzo(k)fluoranthene	207-08-9	mg/kg	0.8	3.9	**16**		0.22	U	**0.72**		**1.2**		0.18	U	0.18	U	0.17	U	0.19	U
Bis(2-chloroethoxy)methane	111-91-1	mg/kg	NS	NS	1.7	U	0.44	U	0.38	U	0.61	U	0.36	U	0.35	U	0.35	U	0.39	U
Bis(2-chloroethyl)ether	111-44-4	mg/kg	NS	NS	1.7	U	0.44	U	0.38	U	3.1	U	0.36	UJ	0.35	UJ	0.35	U	0.39	U
Bis(2-chloroisopropyl)ether	108-60-1	mg/kg	NS	NS	1.7	U	0.44	U	0.38	U	2.3	U	0.36	U	0.35	U	0.35	U	0.39	U
Bis(2-ethylhexyl)phthalate	117-81-7	mg/kg	NS	NS	1.7	U	0.44	U	0.38	UJ	**0.047**	**J**	0.36	U	0.35	U	**0.24**	**J**	**0.80**	**J**
4-Bromophenyl phenyl ether	101-55-3	mg/kg	NS	NS	1.7	U	0.44	U	0.38	U	0.39	U	0.36	U	0.35	U	0.35	U	0.39	U
Butylbenzylphthalate	85-68-7	mg/kg	NS	NS	1.7	U	0.44	U	0.38	U	0.39	U	0.36	U	0.35	U	0.35	U	0.39	U
Carbazole	86-74-8	mg/kg	NS	NS	**6.6**		0.22	U	0.19	U	**0.097**		0.18	U	0.18	U	0.17	U	0.19	U
4-Chloroaniline	106-47-8	mg/kg	NS	NS	3.4	U	0.85	U	0.73	UJ	0.76	UJ	0.7	UJ	0.68	UJ	0.68	UJ	0.76	UJ
4-Chloro-3-methylphenol	59-50-7	mg/kg	NS	NS	3.4	U	0.85	U	0.73	U	0.76	U	0.7	U	0.68	U	0.68	U	0.76	U
2-Chloronaphthalene	91-58-7	mg/kg	NS	NS	1.7	U	0.44	U	0.38	U	0.39	U	0.36	U	0.35	U	0.35	U	0.39	U
2-Chlorophenol	95-57-8	mg/kg	NS	NS	1.7	U	0.44	U	0.38	U	0.39	U	0.36	U	0.35	U	0.35	U	0.39	UJ
4-Chlorophenylphenyl ether	7005-72-3	mg/kg	NS	NS	1.7	U	0.44	U	0.38	U	0.39	U	0.36	U	0.35	U	0.35	U	0.39	U
Chrysene	218-01-9	mg/kg	1	3.9	**36**		0.22	U	**1.4**		**3.2**		0.18	U	0.18	U	0.17	U	0.19	U
Dibenz(a,h)anthracene	53-70-3	mg/kg	0.33	0.33	**4.4**		0.22	U	**0.39**		**0.57**		0.18	U	0.18	U	0.17	U	0.19	U
Dibenzofuran	132-64-9	mg/kg	7	59	**4.4**		0.44	U	0.38	U	**0.13**	**J**	0.36	U	0.35	U	0.35	U	0.39	U
Di-n-butylphthalate	84-74-2	mg/kg	NS	NS	1.7	U	0.44	U	0.38	U	0.39	U	0.36	U	0.35	U	0.35	U	0.39	U
3,3'-Dichlorobenzidine	91-94-1	mg/kg	NS	NS	0.87	U	0.22	U	0.19	U	0.19	U	0.18	U	0.18	U	0.17	U	0.19	U
2,4-Dichlorophenol	120-83-2	mg/kg	NS	NS	1.7	UJ	0.44	U	0.38	U	0.39	U	0.36	U	0.35	U	0.35	U	0.39	U
Diethylphthalate	84-66-2	mg/kg	NS	NS	1.7	U	0.44	U	0.38	U	0.39	U	0.36	U	0.35	U	0.35	U	0.39	U
2,4-Dimethylphenol	105-67-9	mg/kg	NS	NS	1.7	U	0.44	U	0.38	U	0.39	U	0.36	U	0.35	U	0.35	U	0.39	U
Dimethylphthalate	131-11-3	mg/kg	NS	NS	1.7	U	0.44	U	0.38	U	0.39	U	0.36	U	0.35	U	0.35	U	0.39	U
4,6-Dinitro-2-methylphenol	534-52-1	mg/kg	NS	NS	1.7	UJ	0.44	U	0.38	U	0.39	U	0.36	U	0.35	U	0.35	U	0.39	U
2,4-Dinitrophenol	51-28-5	mg/kg	NS	NS	3.4	UJ	0.85	U	0.73	U	0.76	U	0.7	U	0.68	U	0.68	U	0.76	U
2,4-Dinitrotoluene	121-14-2	mg/kg	NS	NS	1.7	UJ	0.44	UJ	0.38	U	0.39	U	0.36	U	0.35	U	0.35	U	0.39	U
2,6-Dinitrotoluene	606-20-2	mg/kg	NS	NS	1.7	U	0.44	U	0.38	U	0.39	U	0.36	U	0.35	U	0.35	U	0.39	U
Di-n-octylphthalate	117-84-0	mg/kg	NS	NS	1.7	U	0.44	U	0.38	U	**0.31**	**J**	0.36	U	0.35	U	0.35	U	0.39	U
Fluoranthene	206-44-0	mg/kg	100	100	**90**		0.22	U	**0.91**		4.6	U	0.18	U	0.18	U	0.17	U	0.19	U
Fluorene	86-73-7	mg/kg	30	100	**5.9**		0.22	U	0.19	U	**0.042**	**J**	0.18	U	0.18	U	0.17	U	0.19	U
Hexachlorobenzene	118-74-1	mg/kg	0.33	1.2	1.7	U	0.44	U	0.38	U	0.39	U	0.36	U	0.35	U	0.35	U	0.39	U
Hexachlorobutadiene	87-68-3	mg/kg	NS	NS	1.7	U	0.44	U	0.38	U	0.39	U	0.36	U	0.35	U	0.35	U	0.39	U
Hexachlorocyclopentadiene	77-47-4	mg/kg	NS	NS	1.7	UJ	0.44	UJ	0.38	U	0.39	U	0.36	UJ	0.35	UJ	0.35	U	0.39	U
Hexachloroethane	67-72-1	mg/kg	NS	NS	1.7	U	0.44	U	0.38	U	0.39	U	0.36	U	0.35	U	0.35	U	0.39	U
Indeno(1,2,3-cd)pyrene	193-39-5	mg/kg	0.5	0.5	**19**	**J**	0.22	UJ	**1.8**		**2.6**		0.18	U	0.18	U	0.17	U	0.19	U
Isophorone	78-59-1	mg/kg	NS	NS	1.7	U	0.44	U	0.38	U	0.39	U	0.36	U	0.35	U	0.35	U	0.39	U
2-Methylnaphthalene	91-57-6	mg/kg	NS	NS	**3.0**		0.22	U	0.19	U	0.19	U	0.18	U	0.18	U	0.17	U	0.19	U
o-cresol	95-48-7	mg/kg	0.33	100	1.7	U	0.44	U	0.38	U	0.39	U	0.36	U	0.35	U	0.35	U	0.39	U
3 & 4-Methylphenol (m,p-Cresol)	65794-96-9	mg/kg	NS	NS	1.7	U	0.44	U	0.38	U	0.39	U	0.36	U	0.35	U	0.35	U	0.39	U
Naphthalene	91-20-3	mg/kg	12	100	**7.3**		0.22	U	0.19	U	0.19	U	0.18	U	0.18	U	0.17	U	0.19	U
Nitrobenzene	98-95-3	mg/kg	NS	NS	1.7	UJ	0.44	UJ	0.38	U	0.39	U	0.36	U	0.35	U	0.35	U	0.39	U
2-Nitroaniline	88-74-4	mg/kg	NS	NS	1.7	UJ	0.44	UJ	0.38	U	0.39	U	0.36	U	0.35	U	0.35	U	0.39	U
3-Nitroaniline	99-09-2	mg/kg	NS	NS	1.7	U	0.44	U	0.38	U	0.39	U	0.36	U	0.35	U	0.35	U	0.39	U
4-Nitroaniline	100-01-6	mg/kg	NS	NS	1.7	U	0.44	U	0.38	U	0.39	U	0.36	U	0.35	U	0.35	U	0.39	U
2-Nitrophenol	88-75-5	mg/kg	NS	NS	1.7	U	0.44	U	0.38	U	0.39	U	0.36	U	0.35	U	0.35	U	0.39	U
4-Nitrophenol	100-02-7	mg/kg	NS	NS	3.4	UJ	0.85	U	0.73	U	0.76	U	0.7	U	0.68	U	0.68	U	0.76	U
N-Nitrosodiphenylamine	86-30-6	mg/kg	NS	NS	1.7	U	0.44	U	0.38	U	0.39	U	0.36	U	0.35	U	0.35	U	0.39	U
N-Nitroso-di-n-propylamine	621-64-7	mg/kg	NS	NS	1.7	U	0.44	U	0.38	U	0.39	U	0.36	U	0.35	U	0.35	U	0.39	U
Pentachlorophenol	87-86-5	mg/kg	0.8	6.7	1.7	UJ	0.44	U	0.38	U	0.39	U	0.36	U	0.35	U	0.35	U	0.39	U
Phenanthrene	85-01-8	mg/kg	100	100	**81**		0.22	U	**0.25**		**2.9**		0.18	U	0.18	U	0.17	U	0.19	U
Phenol	108-95-2	mg/kg	0.33	100	1.7	U	0.44	U	0.38	U	0.39	U	0.36	U	0.35	U	0.35	U	0.39	UJ
Pyrene	129-00-0	mg/kg	100	100	**83**		0.22	U	**1.4**		**7.5**		0.18	U	0.18	U	0.17	U	0.19	U
1,2,4,5-Tetrachlorobenzene	95-94-3	mg/kg	NS	NS	1.7	U	0.44	U	0.38	U	0.39	U	0.36	U	0.35	U	0.35	U	0.39	U
2,4,5-Trichlorophenol	95-95-4	mg/kg	NS	NS	1.7	UJ	0.44	U	0.38	U	0.39	U	0.36	U	0.35	U	0.35	U	0.39	U
2,4,6-Trichlorophenol	88-06-2	mg/kg	NS	NS	1.7	UJ	0.44	U	0.38	U	0.39	U	0.36	U	0.35	U	0.35	U	0.39	U
1,4-Dioxane	123-91-1	mg/kg	0.1	13	0.63	U	0.064	U	0.056	U	0.058	U	0.053	UJ	0.051	UJ	0.050	U	0.058	U
Total TICs		mg/kg	NS	NS	***11.9***		***4.86***		***4.42***		***8.07***		***3.94***		***4.84***		***3.13***		***2.28***	

Notes:
J - Estimated value.
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
NA - Sample not analyzed for the listed analyte.
NS - No NYSDEC standards exist for this analyte.
Shading indicates result above Restricted Use Residential SCO.
Shading indicates result above Unrestricted Use SCO.
TICs - Tentatively Identified Compounds.
U - Analyte was not detected at specified quantitation limit.
UJ - Estimated non-detects.
Values in **bold** indicate the analyte was detected.
* - New York State Department of Environmental Conservation, Soil Cleanup Objectives (SCOs).

Table 1B
New York State Department of Environmental Conservation
250 Water Street P-Site Site Characterization
New York, New York
Summary of Results of Analysis of Soil for Semivolatile Organic Compounds

					SB105				**SB106**								**SB107**			
Sample Location:																				
Sample Name:					250WATERST-SB105-SS(2-4)		250WATERST-SB105-SS(13-15)		250WATERST-SB106-SO-(2-4)		250WATERST-DUP-1-20241217		250WATERST-SB106-SO-(10-12)		250WATERST-SB107-SS(2-4)		250WATERST-SB107-SS(13-15)	
Lab Sample ID:					23G1746-03		23G1746-04		24L1652-17		24L1652-25		24L1652-21		23G2329-01		23G2329-02	
Sample Depth:					2-4 ft		13-15 ft		2-4 ft		2-4 ft		10-12 ft		2-4 ft		13-15 ft	
Sample Date:					7/12/2023		7/12/2023		12/17/2024		12/17/2024 Field Dup		12/17/2024		7/17/2023		7/17/2023	
			NYSDEC SCOs*																	
Semivolatile Organic Compounds (SVOCs)	CAS #	Unit	Unrestricted Use	Restricted Residential Use																
Atrazine	1912-24-9	mg/kg	NS	NS	0.74	U	0.82	U	0.71	U	0.68	U	0.76	U	0.74	U	0.69	U
Benzaldehyde	100-52-7	mg/kg	NS	NS	0.38	U	0.41	U	0.36	U	0.35	U	0.38	U	**0.060**	**J**	0.35	UJ
1,1'-Biphenyl	92-52-4	mg/kg	NS	NS	0.74	U	0.82	U	0.71	U	0.68	U	0.76	U	0.74	U	0.69	U
Caprolactam	105-60-2	mg/kg	NS	NS	0.38	U	0.41	U	0.36	U	0.35	U	0.38	U	0.38	U	0.35	U
Acenaphthene	83-32-9	mg/kg	20	100	**0.54**		0.21	U	0.18	U	0.17	U	0.19	U	0.19	U	0.18	U
Acenaphthylene	208-96-8	mg/kg	100	100	**0.46**		0.21	U	0.18	U	0.17	U	0.19	U	0.19	U	0.18	U
Acetophenone	98-86-2	mg/kg	NS	NS	0.38	U	0.41	U	0.36	U	0.35	U	0.38	U	0.38	U	0.35	U
Anthracene	120-12-7	mg/kg	100	100	**1.5**		0.21	U	0.18	U	0.17	U	0.19	U	**0.11**	**J**	0.18	U
Benzo(a)anthracene	56-55-3	mg/kg	1	1	**5.8**		0.21	U	0.18	U	0.17	U	0.19	U	**0.50**		0.18	U
Benzo(a)pyrene	50-32-8	mg/kg	1	1	**5.7**		0.21	U	0.18	U	0.17	U	0.19	U	**0.45**		0.18	U
Benzo(b)fluoranthene	205-99-2	mg/kg	1	1	**7.8**		0.21	U	0.18	U	0.17	U	0.19	U	**0.57**		0.18	U
Benzo(g,h,i)perylene	191-24-2	mg/kg	100	100	**3.2**		0.21	U	0.18	U	0.17	U	0.19	U	**0.18**	**J**	0.18	U
Benzo(k)fluoranthene	207-08-9	mg/kg	0.8	3.9	**2.5**		0.21	U	0.18	U	0.17	U	0.19	U	**0.24**		0.18	U
Bis(2-chloroethoxy)methane	111-91-1	mg/kg	NS	NS	0.38	U	0.41	U	0.36	U	0.35	U	0.38	U	0.38	U	0.35	U
Bis(2-chloroethyl)ether	111-44-4	mg/kg	NS	NS	0.38	U	0.41	U	0.36	U	0.35	U	0.38	U	0.38	U	0.35	U
Bis(2-chloroisopropyl)ether	108-60-1	mg/kg	NS	NS	0.38	U	0.41	U	0.36	U	0.35	U	0.38	U	0.38	U	0.35	U
Bis(2-ethylhexyl)phthalate	117-81-7	mg/kg	NS	NS	0.38	U	0.41	U	**0.27**	**J**	**0.060**	**J**	0.38	UJ	0.38	U	0.35	U
4-Bromophenyl phenyl ether	101-55-3	mg/kg	NS	NS	0.38	U	0.41	U	0.36	U	0.35	U	0.38	U	0.38	U	0.35	U
Butylbenzylphthalate	85-68-7	mg/kg	NS	NS	0.38	U	0.41	U	0.36	U	0.35	U	0.38	U	0.38	U	0.35	U
Carbazole	86-74-8	mg/kg	NS	NS	**0.64**		0.21	U	0.18	U	0.17	U	0.19	U	0.19	U	0.18	U
4-Chloroaniline	106-47-8	mg/kg	NS	NS	0.73	U	0.8	U	0.70	UJ	0.67	UJ	0.75	UJ	0.73	U	0.68	U
4-Chloro-3-methylphenol	59-50-7	mg/kg	NS	NS	0.73	U	0.8	U	0.70	U	0.67	U	0.75	U	0.73	U	0.68	U
2-Chloronaphthalene	91-58-7	mg/kg	NS	NS	0.38	U	0.41	U	0.36	U	0.35	U	0.38	U	0.38	U	0.35	U
2-Chlorophenol	95-57-8	mg/kg	NS	NS	0.38	U	0.41	U	0.36	U	0.35	U	0.38	U	0.38	U	0.35	U
4-Chlorophenylphenyl ether	7005-72-3	mg/kg	NS	NS	0.38	U	0.41	U	0.36	U	0.35	U	0.38	U	0.38	U	0.35	U
Chrysene	218-01-9	mg/kg	1	3.9	**5.6**		0.21	U	0.18	U	0.17	U	0.19	U	**0.53**		0.18	U
Dibenz(a,h)anthracene	53-70-3	mg/kg	0.33	0.33	**0.86**		0.21	U	0.18	U	0.17	U	0.19	U	0.19	U	0.18	U
Dibenzofuran	132-64-9	mg/kg	7	59	**0.30**	**J**	0.41	U	0.36	U	0.35	U	0.38	U	0.38	U	0.35	U
Di-n-butylphthalate	84-74-2	mg/kg	NS	NS	0.38	U	0.41	U	0.36	U	0.35	U	0.38	U	0.38	U	0.35	U
3,3'-Dichlorobenzidine	91-94-1	mg/kg	NS	NS	0.19	U	0.21	U	0.18	U	0.17	U	0.19	U	0.19	U	0.18	U
2,4-Dichlorophenol	120-83-2	mg/kg	NS	NS	0.38	U	0.41	U	0.36	U	0.35	U	0.38	U	0.38	U	0.35	U
Diethylphthalate	84-66-2	mg/kg	NS	NS	0.38	U	0.41	U	0.36	U	0.35	U	0.38	U	0.38	U	0.35	U
2,4-Dimethylphenol	105-67-9	mg/kg	NS	NS	0.38	U	0.41	U	0.36	U	0.35	U	0.38	U	0.38	U	0.35	U
Dimethylphthalate	131-11-3	mg/kg	NS	NS	0.38	U	0.41	U	0.36	U	0.35	U	0.38	U	0.38	U	0.35	U
4,6-Dinitro-2-methylphenol	534-52-1	mg/kg	NS	NS	0.38	U	0.41	U	0.36	U	0.35	UJ	0.38	U	0.38	UJ	0.35	U
2,4-Dinitrophenol	51-28-5	mg/kg	NS	NS	0.73	U	0.8	U	0.70	U	0.67	UJ	0.75	U	0.73	UJ	0.68	UJ
2,4-Dinitrotoluene	121-14-2	mg/kg	NS	NS	0.38	UJ	0.41	UJ	0.36	U	0.35	U	0.38	U	0.38	U	0.35	U
2,6-Dinitrotoluene	606-20-2	mg/kg	NS	NS	0.38	U	0.41	U	0.36	U	0.35	U	0.38	U	0.38	U	0.35	U
Di-n-octylphthalate	117-84-0	mg/kg	NS	NS	0.38	U	0.41	U	**0.27**	**J**	0.35	U	0.38	U	0.38	U	0.35	U
Fluoranthene	206-44-0	mg/kg	100	100	**12**		0.21	U	0.18	U	0.17	U	0.19	U	**0.91**		0.18	U
Fluorene	86-73-7	mg/kg	30	100	**0.48**		0.21	U	0.18	U	0.17	U	0.19	U	0.19	U	0.18	U
Hexachlorobenzene	118-74-1	mg/kg	0.33	1.2	0.38	U	0.41	U	0.36	U	0.35	U	0.38	U	0.38	U	0.35	U
Hexachlorobutadiene	87-68-3	mg/kg	NS	NS	0.38	U	0.41	U	0.36	U	0.35	U	0.38	U	0.38	U	0.35	U
Hexachlorocyclopentadiene	77-47-4	mg/kg	NS	NS	0.38	UJ	0.41	UJ	0.36	U	0.35	U	0.38	U	0.38	U	0.35	U
Hexachloroethane	67-72-1	mg/kg	NS	NS	0.38	U	0.41	U	0.36	U	0.35	U	0.38	U	0.38	U	0.35	U
Indeno(1,2,3-cd)pyrene	193-39-5	mg/kg	0.5	0.5	**3.2**	**J**	0.21	UJ	0.18	U	0.17	U	0.19	U	**0.22**		0.18	U
Isophorone	78-59-1	mg/kg	NS	NS	0.38	U	0.41	U	0.36	U	0.35	U	0.38	U	0.38	U	0.35	U
2-Methylnaphthalene	91-57-6	mg/kg	NS	NS	**0.18**	**J**	0.21	U	0.18	U	0.17	U	0.19	U	0.19	U	0.18	U
o-cresol	95-48-7	mg/kg	0.33	100	0.38	U	0.41	U	0.36	U	0.35	U	0.38	U	0.38	U	0.35	U
3 & 4-Methylphenol (m,p-Cresol)	65794-96-9	mg/kg	NS	NS	0.38	U	0.41	U	0.36	U	0.35	U	0.38	U	0.38	U	0.35	U
Naphthalene	91-20-3	mg/kg	12	100	**0.36**		0.21	U	0.18	U	0.17	U	0.19	U	0.19	U	0.18	U
Nitrobenzene	98-95-3	mg/kg	NS	NS	0.38	UJ	0.41	UJ	0.36	U	0.35	U	0.38	U	0.38	U	0.35	U
2-Nitroaniline	88-74-4	mg/kg	NS	NS	0.38	UJ	0.41	UJ	0.36	U	0.35	U	0.38	U	0.38	U	0.35	U
3-Nitroaniline	99-09-2	mg/kg	NS	NS	0.38	U	0.41	U	0.36	U	0.35	U	0.38	U	0.38	U	0.35	U
4-Nitroaniline	100-01-6	mg/kg	NS	NS	0.38	U	0.41	U	0.36	U	0.35	U	0.38	U	0.38	U	0.35	U
2-Nitrophenol	88-75-5	mg/kg	NS	NS	0.38	U	0.41	U	0.36	U	0.35	U	0.38	U	0.38	U	0.35	U
4-Nitrophenol	100-02-7	mg/kg	NS	NS	0.73	U	0.8	U	0.70	U	0.67	UJ	0.75	U	0.73	UJ	0.68	U
N-Nitrosodiphenylamine	86-30-6	mg/kg	NS	NS	0.38	U	0.41	U	0.36	U	0.35	U	0.38	U	0.38	U	0.35	U
N-Nitroso-di-n-propylamine	621-64-7	mg/kg	NS	NS	0.38	U	0.41	U	0.36	U	0.35	U	0.38	U	0.38	U	0.35	U
Pentachlorophenol	87-86-5	mg/kg	0.8	6.7	0.38	U	0.41	U	0.36	U	0.35	U	0.38	U	0.38	UJ	0.35	U
Phenanthrene	85-01-8	mg/kg	100	100	**8.2**		0.21	U	0.18	U	0.17	U	0.19	U	**0.63**		0.18	U
Phenol	108-95-2	mg/kg	0.33	100	0.38	U	0.41	U	0.36	U	0.35	U	0.38	U	0.38	U	0.35	U
Pyrene	129-00-0	mg/kg	100	100	**9.8**		0.21	U	0.18	U	0.17	U	0.19	U	**1.3**		0.18	U
1,2,4,5-Tetrachlorobenzene	95-94-3	mg/kg	NS	NS	0.38	U	0.41	U	0.36	U	0.35	U	0.38	U	0.38	U	0.35	U
2,4,5-Trichlorophenol	95-95-4	mg/kg	NS	NS	0.38	U	0.41	U	0.36	U	0.35	UJ	0.38	U	0.38	UJ	0.35	UJ
2,4,6-Trichlorophenol	88-06-2	mg/kg	NS	NS	0.38	U	0.41	U	0.36	U	0.35	UJ	0.38	U	0.38	U	0.35	U
1,4-Dioxane	123-91-1	mg/kg	0.1	13	0.054	U	0.06	U	0.052	U	0.050	U	0.055	U	0.056	U	0.051	U
Total TICs		mg/kg	NS	NS	***12.6***		***4.15***		***4.93***		***5.38***		***7.47***		***2.70***		***2.50***	

Notes:
J - Estimated value.
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
NA - Sample not analyzed for the listed analyte.
NS - No NYSDEC standards exist for this analyte.
Shading indicates result above Restricted Use Residential SCO.
Shading indicates result above Unrestricted Use SCO.
TICs - Tentatively Identified Compounds.
U - Analyte was not detected at specified quantitation limit.
UJ - Estimated non-detects.
Values in **bold** indicate the analyte was detected.
* - New York State Department of Environmental Conservation, Soil Cleanup Objectives (SCOs).

Table 1B
New York State Department of Environmental Conservation
250 Water Street P-Site Site Characterization
New York, New York
Summary of Results of Analysis of Soil for Semivolatile Organic Compounds

					SB108				**SB109**										**SB110**	
Sample Location:																				
Sample Name:					250WATERST-SB108-SS(2-4)		250WATERST-SB108-SS(11-13)		250WATERST-SB109-SO-(2-4)		250WATERST-SS-DUP		250WATERST-SB109-SO-(10-12)		250WATERST-SB109-SO-(20-22)		250WATERST-SB110-SO-(2-4)	
Lab Sample ID:					23G1941-04		23G1941-05		23G1822-01		23G1822-05		23G1822-02		23G1822-03		23G1822-04	
Sample Depth:					2-4 ft		11-13 ft		2-4 ft		2-4 ft		10-12 ft		20-22 ft		2-4 ft	
Sample Date:					7/14/2023		7/14/2023		7/13/2023		7/13/2023 Field Dup		7/13/2023		7/13/2023		7/13/2023	
			NYSDEC SCOs*															
Semivolatile Organic Compounds (SVOCs)	CAS #	Unit	Unrestricted Use	Restricted Residential Use														
Atrazine	1912-24-9	mg/kg	NS	NS	0.75	U	0.77	U	0.8	U	0.79	U	0.89	U	0.79	U	0.76	U
Benzaldehyde	100-52-7	mg/kg	NS	NS	0.38	U	**0.050**	**J**	0.4	UJ	0.4	UJ	0.45	UJ	0.4	UJ	0.38	UJ
1,1'-Biphenyl	92-52-4	mg/kg	NS	NS	0.75	U	0.77	U	0.8	U	0.79	U	0.89	U	0.79	U	0.76	U
Caprolactam	105-60-2	mg/kg	NS	NS	0.38	U	0.39	U	0.4	U	0.4	U	0.45	U	0.4	U	**0.41**	
Acenaphthene	83-32-9	mg/kg	20	100	0.19	U	0.2	U	0.2	U	0.2	U	0.23	U	0.2	U	0.19	U
Acenaphthylene	208-96-8	mg/kg	100	100	0.19	U	0.2	U	0.2	U	0.2	U	0.23	U	0.2	U	0.19	U
Acetophenone	98-86-2	mg/kg	NS	NS	0.38	U	0.39	U	0.4	U	0.4	U	0.45	U	0.4	U	0.38	U
Anthracene	120-12-7	mg/kg	100	100	**0.12**	**J**	0.2	U	**0.10**	**J**	0.2	U	0.23	U	0.2	U	0.19	U
Benzo(a)anthracene	56-55-3	mg/kg	1	1	**1.0**		0.2	U	**0.55**		**0.39**		0.23	U	0.2	U	**0.11**	**J**
Benzo(a)pyrene	50-32-8	mg/kg	1	1	**1.1**		0.2	U	**0.64**		**0.49**		0.23	U	0.2	U	**0.18**	**J**
Benzo(b)fluoranthene	205-99-2	mg/kg	1	1	**1.3**		0.2	U	**0.75**		**0.60**		**0.076**	**J**	0.2	U	**0.31**	
Benzo(g,h,i)perylene	191-24-2	mg/kg	100	100	**0.66**		0.2	U	**0.40**		**0.27**		0.23	U	0.2	U	**0.29**	
Benzo(k)fluoranthene	207-08-9	mg/kg	0.8	3.9	**0.46**		0.2	U	**0.28**		**0.25**		0.23	U	0.2	U	**0.12**	**J**
Bis(2-chloroethoxy)methane	111-91-1	mg/kg	NS	NS	0.38	U	0.39	U	0.4	U	0.4	U	0.45	U	0.4	U	0.38	U
Bis(2-chloroethyl)ether	111-44-4	mg/kg	NS	NS	0.38	U	0.39	U	0.4	U	0.4	U	0.45	U	0.4	U	0.38	U
Bis(2-chloroisopropyl)ether	108-60-1	mg/kg	NS	NS	0.38	U	0.39	U	0.4	U	0.4	U	0.45	U	0.4	U	0.38	U
Bis(2-ethylhexyl)phthalate	117-81-7	mg/kg	NS	NS	0.38	U	0.39	U	**0.18**	**J**	**0.13**	**J**	0.45	U	0.4	U	0.38	U
4-Bromophenyl phenyl ether	101-55-3	mg/kg	NS	NS	0.38	U	0.39	U	0.4	U	0.4	U	0.45	U	0.4	U	0.38	U
Butylbenzylphthalate	85-68-7	mg/kg	NS	NS	0.38	U	0.39	U	0.4	U	0.4	U	0.45	U	0.4	U	0.38	U
Carbazole	86-74-8	mg/kg	NS	NS	0.19	U	0.2	U	0.2	U	0.2	U	0.23	U	0.2	U	0.19	U
4-Chloroaniline	106-47-8	mg/kg	NS	NS	0.74	U	0.76	U	0.78	U	0.78	U	0.88	UJ	0.78	U	0.75	U
4-Chloro-3-methylphenol	59-50-7	mg/kg	NS	NS	0.74	U	0.76	U	0.78	U	0.78	U	0.88	U	0.78	U	0.75	U
2-Chloronaphthalene	91-58-7	mg/kg	NS	NS	0.38	U	0.39	U	0.4	U	0.4	U	0.45	U	0.4	U	0.38	U
2-Chlorophenol	95-57-8	mg/kg	NS	NS	0.38	U	0.39	U	0.4	U	0.4	U	0.45	U	0.4	U	0.38	U
4-Chlorophenylphenyl ether	7005-72-3	mg/kg	NS	NS	0.38	U	0.39	U	0.4	U	0.4	U	0.45	U	0.4	U	0.38	U
Chrysene	218-01-9	mg/kg	1	3.9	**0.94**		0.2	U	**0.58**		**0.42**		0.23	U	0.2	U	**0.11**	**J**
Dibenz(a,h)anthracene	53-70-3	mg/kg	0.33	0.33	**0.14**	**J**	0.2	U	**0.092**	**J**	0.2	U	0.23	U	0.2	U	0.19	U
Dibenzofuran	132-64-9	mg/kg	7	59	0.38	U	0.39	U	0.4	U	0.4	U	0.45	U	0.4	U	0.38	U
Di-n-butylphthalate	84-74-2	mg/kg	NS	NS	0.38	U	0.39	U	0.4	U	0.4	U	0.45	U	0.4	U	0.38	U
3,3'-Dichlorobenzidine	91-94-1	mg/kg	NS	NS	0.19	U	0.2	U	0.2	U	0.2	U	0.23	U	0.2	U	0.19	U
2,4-Dichlorophenol	120-83-2	mg/kg	NS	NS	0.38	U	0.39	U	0.4	U	0.4	U	0.45	U	0.4	U	0.38	U
Diethylphthalate	84-66-2	mg/kg	NS	NS	0.38	U	0.39	U	0.4	U	0.4	U	0.45	U	0.4	U	0.38	U
2,4-Dimethylphenol	105-67-9	mg/kg	NS	NS	0.38	U	0.39	U	0.4	U	0.4	U	0.45	U	0.4	U	0.38	U
Dimethylphthalate	131-11-3	mg/kg	NS	NS	0.38	U	0.39	U	0.4	U	0.4	U	0.45	U	0.4	U	0.38	U
4,6-Dinitro-2-methylphenol	534-52-1	mg/kg	NS	NS	0.38	U	0.39	U	0.4	UJ	0.4	UJ	0.45	UJ	0.4	UJ	0.38	UJ
2,4-Dinitrophenol	51-28-5	mg/kg	NS	NS	0.74	U	0.76	U	0.78	UJ	0.78	UJ	0.88	UJ	0.78	UJ	0.75	UJ
2,4-Dinitrotoluene	121-14-2	mg/kg	NS	NS	0.38	U	0.39	U	0.4	U	0.4	U	0.45	U	0.4	U	0.38	U
2,6-Dinitrotoluene	606-20-2	mg/kg	NS	NS	0.38	U	0.39	U	0.4	U	0.4	U	0.45	U	0.4	U	0.38	U
Di-n-octylphthalate	117-84-0	mg/kg	NS	NS	0.38	U	0.39	U	0.4	U	0.4	U	0.45	U	0.4	U	0.38	U
Fluoranthene	206-44-0	mg/kg	100	100	**1.5**		0.2	U	**0.90**		**0.53**		**0.18**	**J**	0.2	U	**0.080**	**J**
Fluorene	86-73-7	mg/kg	30	100	0.19	U	0.2	U	0.2	U	0.2	U	0.23	U	0.2	U	0.19	U
Hexachlorobenzene	118-74-1	mg/kg	0.33	1.2	0.38	U	0.39	U	0.4	U	0.4	U	0.45	U	0.4	U	0.38	U
Hexachlorobutadiene	87-68-3	mg/kg	NS	NS	0.38	U	0.39	U	0.4	U	0.4	U	0.45	U	0.4	U	0.38	U
Hexachlorocyclopentadiene	77-47-4	mg/kg	NS	NS	0.38	UJ	0.39	UJ	0.4	U	0.4	U	0.45	R	0.4	U	0.38	U
Hexachloroethane	67-72-1	mg/kg	NS	NS	0.38	U	0.39	U	0.4	U	0.4	U	0.45	UJ	0.4	U	0.38	U
Indeno(1,2,3-cd)pyrene	193-39-5	mg/kg	0.5	0.5	**0.65**		0.2	U	**0.43**		**0.30**		0.23	U	0.2	U	**0.27**	
Isophorone	78-59-1	mg/kg	NS	NS	0.38	U	0.39	U	0.4	U	0.4	U	0.45	U	0.4	U	0.38	U
2-Methylnaphthalene	91-57-6	mg/kg	NS	NS	0.19	U	0.2	U	0.2	U	0.2	U	0.23	U	0.2	U	0.19	U
o-cresol	95-48-7	mg/kg	0.33	100	0.38	U	0.39	U	0.4	U	0.4	U	0.45	U	0.4	U	0.38	U
3 & 4-Methylphenol (m,p-Cresol)	65794-96-9	mg/kg	NS	NS	0.38	U	0.39	U	0.4	U	0.4	U	**0.40**	**J**	0.4	U	0.38	U
Naphthalene	91-20-3	mg/kg	12	100	0.19	U	0.2	U	0.2	U	0.2	U	0.23	U	0.2	U	0.19	U
Nitrobenzene	98-95-3	mg/kg	NS	NS	0.38	U	0.39	U	0.4	U	0.4	U	0.45	U	0.4	U	0.38	U
2-Nitroaniline	88-74-4	mg/kg	NS	NS	0.38	U	0.39	U	0.4	UJ	0.4	UJ	0.45	UJ	0.4	UJ	0.38	UJ
3-Nitroaniline	99-09-2	mg/kg	NS	NS	0.38	U	0.39	U	0.4	UJ	0.4	UJ	0.45	UJ	0.4	UJ	0.38	UJ
4-Nitroaniline	100-01-6	mg/kg	NS	NS	0.38	U	0.39	U	0.4	U	0.4	U	0.45	U	0.4	U	0.38	U
2-Nitrophenol	88-75-5	mg/kg	NS	NS	0.38	U	0.39	U	0.4	UJ	0.4	UJ	0.45	UJ	0.4	UJ	0.38	UJ
4-Nitrophenol	100-02-7	mg/kg	NS	NS	0.74	U	0.76	U	0.78	U	0.78	U	0.88	U	0.78	U	0.75	U
N-Nitrosodiphenylamine	86-30-6	mg/kg	NS	NS	0.38	U	0.39	U	0.4	U	0.4	U	0.45	U	0.4	U	0.38	U
N-Nitroso-di-n-propylamine	621-64-7	mg/kg	NS	NS	0.38	UJ	0.39	UJ	0.4	U	0.4	U	0.45	U	0.4	U	0.38	U
Pentachlorophenol	87-86-5	mg/kg	0.8	6.7	0.38	U	0.39	U	0.4	U	0.4	U	0.45	U	0.4	U	0.38	U
Phenanthrene	85-01-8	mg/kg	100	100	**0.37**		0.2	U	**0.28**		**0.17**	**J**	**0.14**	**J**	0.2	U	0.19	U
Phenol	108-95-2	mg/kg	0.33	100	0.38	U	0.39	U	0.4	U	0.4	U	0.45	U	0.4	U	0.38	U
Pyrene	129-00-0	mg/kg	100	100	**1.9**		0.2	U	**1.4**		**0.89**		**0.20**	**J**	0.2	U	**0.11**	**J**
1,2,4,5-Tetrachlorobenzene	95-94-3	mg/kg	NS	NS	0.38	U	0.39	U	0.4	U	0.4	U	0.45	U	0.4	U	0.38	U
2,4,5-Trichlorophenol	95-95-4	mg/kg	NS	NS	0.38	U	0.39	U	0.4	U	0.4	U	0.45	U	0.4	U	0.38	U
2,4,6-Trichlorophenol	88-06-2	mg/kg	NS	NS	0.38	U	0.39	U	0.4	U	0.4	U	0.45	U	0.4	U	0.38	U
1,4-Dioxane	123-91-1	mg/kg	0.1	13	0.055	U	0.057	U	0.59	U	0.59	U	0.065	U	0.058	U	0.056	U
Total TICs		mg/kg	NS	NS	***2.19***		***10.6***		***21.7***		***20.6***		***41.3***		***43.5***		***23.6***	

Notes:
J - Estimated value.
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
NA - Sample not analyzed for the listed analyte.
NS - No NYSDEC standards exist for this analyte.
Shading indicates result above Restricted Use Residential SCO.
Shading indicates result above Unrestricted Use SCO.
TICs - Tentatively Identified Compounds.
U - Analyte was not detected at specified quantitation limit.
UJ - Estimated non-detects.
Values in **bold** indicate the analyte was detected.
* - New York State Department of Environmental Conservation, Soil Cleanup Objectives (SCOs).

Table 1B
New York State Department of Environmental Conservation
250 Water Street P-Site Site Characterization
New York, New York
Summary of Results of Analysis of Soil for Semivolatile Organic Compounds

					SB111								**SB112**			
Sample Location:																
Sample Name:					250WATERST-SB111-SS(2-4)		250WATERST-SS-DUP-20230714		250WATERST-SB111-SS(8-10)		250WATERST-SB111-SS(22-24)		250WATERST-SB112-SS(2-4)		250WATERST-SB112-SS(8-10)	
Lab Sample ID:					23G1941-01		23G1941-08		23G1941-02		23G1941-03		23G1941-06		23G1941-07	
Sample Depth:					2-4 ft		2-4 ft		8-10 ft		22-24 ft		2-4 ft		8-10 ft	
Sample Date:					7/14/2023		7/14/2023		7/14/2023		7/14/2023		7/14/2023		7/14/2023	
			NYSDEC SCOs*				Field Dup									
Semivolatile Organic Compounds (SVOCs)	CAS #	Unit	Unrestricted Use	Restricted Residential Use												
Atrazine	1912-24-9	mg/kg	NS	NS	0.75	U	0.77	U	0.89	U	0.8	U	0.79	U	0.77	U
Benzaldehyde	100-52-7	mg/kg	NS	NS	0.38	U	0.39	U	**0.16**	**J**	0.41	U	0.4	U	0.39	U
1,1'-Biphenyl	92-52-4	mg/kg	NS	NS	0.75	U	0.77	U	0.89	U	0.8	U	0.79	U	0.77	U
Caprolactam	105-60-2	mg/kg	NS	NS	0.38	U	0.39	U	0.45	U	0.41	U	0.4	U	0.39	U
Acenaphthene	83-32-9	mg/kg	20	100	0.19	U	0.2	U	0.23	U	0.2	U	0.2	U	0.2	U
Acenaphthylene	208-96-8	mg/kg	100	100	0.19	U	0.2	U	0.23	U	0.2	U	0.2	U	0.2	U
Acetophenone	98-86-2	mg/kg	NS	NS	0.38	U	0.39	U	0.45	U	0.41	U	0.4	U	0.39	U
Anthracene	120-12-7	mg/kg	100	100	**0.20**		**0.19**	**J**	0.23	U	0.2	U	**0.22**		0.2	U
Benzo(a)anthracene	56-55-3	mg/kg	1	1	**0.16**	**J**	**0.16**	**J**	0.23	U	0.2	U	**4.4**		0.2	U
Benzo(a)pyrene	50-32-8	mg/kg	1	1	**0.095**	**J**	**0.14**	**J**	0.23	U	0.2	U	**4.2**		0.2	U
Benzo(b)fluoranthene	205-99-2	mg/kg	1	1	**0.13**	**J**	**0.16**	**J**	**0.078**	**J**	0.2	U	**5.7**		0.2	U
Benzo(g,h,i)perylene	191-24-2	mg/kg	100	100	0.19	U	0.2	U	0.23	U	0.2	U	**2.7**		0.2	U
Benzo(k)fluoranthene	207-08-9	mg/kg	0.8	3.9	0.19	U	**0.072**	**J**	0.23	U	0.2	U	**2.4**		0.2	U
Bis(2-chloroethoxy)methane	111-91-1	mg/kg	NS	NS	0.38	U	0.39	U	0.45	U	0.41	U	0.4	U	0.39	U
Bis(2-chloroethyl)ether	111-44-4	mg/kg	NS	NS	0.38	U	0.39	U	0.45	U	0.41	U	0.4	U	0.39	U
Bis(2-chloroisopropyl)ether	108-60-1	mg/kg	NS	NS	0.38	U	0.39	U	0.45	U	0.41	U	0.4	U	0.39	U
Bis(2-ethylhexyl)phthalate	117-81-7	mg/kg	NS	NS	0.38	U	0.39	U	0.45	U	0.41	U	0.4	U	0.39	U
4-Bromophenyl phenyl ether	101-55-3	mg/kg	NS	NS	0.38	U	0.39	U	0.45	U	0.41	U	0.4	U	0.39	U
Butylbenzylphthalate	85-68-7	mg/kg	NS	NS	0.38	U	0.39	U	0.45	U	0.41	U	0.4	U	0.39	U
Carbazole	86-74-8	mg/kg	NS	NS	0.19	U	0.2	U	0.23	U	0.2	U	0.2	U	0.2	U
4-Chloroaniline	106-47-8	mg/kg	NS	NS	0.74	U	0.76	U	0.88	U	0.79	U	0.78	U	0.76	U
4-Chloro-3-methylphenol	59-50-7	mg/kg	NS	NS	0.74	U	0.76	U	0.88	U	0.79	U	0.78	U	0.76	U
2-Chloronaphthalene	91-58-7	mg/kg	NS	NS	0.38	U	0.39	U	0.45	U	0.41	U	0.4	U	0.39	U
2-Chlorophenol	95-57-8	mg/kg	NS	NS	0.38	U	0.39	U	0.45	U	0.41	U	0.4	U	0.39	U
4-Chlorophenylphenyl ether	7005-72-3	mg/kg	NS	NS	0.38	U	0.39	U	0.45	U	0.41	U	0.4	U	0.39	U
Chrysene	218-01-9	mg/kg	1	3.9	**0.20**		**0.17**	**J**	0.23	U	0.2	U	**4.0**		0.2	U
Dibenz(a,h)anthracene	53-70-3	mg/kg	0.33	0.33	0.19	U	0.2	U	0.23	U	0.2	U	**0.66**		0.2	U
Dibenzofuran	132-64-9	mg/kg	7	59	0.38	U	0.39	U	0.45	U	0.41	U	0.4	U	0.39	U
Di-n-butylphthalate	84-74-2	mg/kg	NS	NS	0.38	U	0.39	U	0.45	U	0.41	U	0.4	U	0.39	U
3,3'-Dichlorobenzidine	91-94-1	mg/kg	NS	NS	0.19	U	0.2	U	0.23	U	0.2	U	0.2	U	0.2	U
2,4-Dichlorophenol	120-83-2	mg/kg	NS	NS	0.38	U	0.39	U	0.45	U	0.41	U	0.4	U	0.39	U
Diethylphthalate	84-66-2	mg/kg	NS	NS	0.38	U	0.39	U	0.45	U	0.41	U	0.4	U	0.39	U
2,4-Dimethylphenol	105-67-9	mg/kg	NS	NS	0.38	U	0.39	U	0.45	U	0.41	U	0.4	U	0.39	U
Dimethylphthalate	131-11-3	mg/kg	NS	NS	0.38	U	0.39	U	0.45	U	0.41	U	0.4	U	0.39	U
4,6-Dinitro-2-methylphenol	534-52-1	mg/kg	NS	NS	0.38	U	0.39	U	0.45	U	0.41	U	0.4	U	0.39	U
2,4-Dinitrophenol	51-28-5	mg/kg	NS	NS	0.74	U	0.76	U	0.88	U	0.79	U	0.78	U	0.76	U
2,4-Dinitrotoluene	121-14-2	mg/kg	NS	NS	0.38	U	0.39	U	0.45	U	0.41	U	0.4	U	0.39	U
2,6-Dinitrotoluene	606-20-2	mg/kg	NS	NS	0.38	U	0.39	U	0.45	U	0.41	U	0.4	U	0.39	U
Di-n-octylphthalate	117-84-0	mg/kg	NS	NS	0.38	U	0.39	U	0.45	U	0.41	U	0.4	U	0.39	U
Fluoranthene	206-44-0	mg/kg	100	100	**0.41**		**0.39**		**0.14**	**J**	0.2	U	**4.9**		0.2	U
Fluorene	86-73-7	mg/kg	30	100	0.19	U	0.2	U	0.23	U	0.2	U	0.2	U	0.2	U
Hexachlorobenzene	118-74-1	mg/kg	0.33	1.2	0.38	U	0.39	U	0.45	U	0.41	U	0.4	U	0.39	U
Hexachlorobutadiene	87-68-3	mg/kg	NS	NS	0.38	U	0.39	U	0.45	U	0.41	U	0.4	U	0.39	U
Hexachlorocyclopentadiene	77-47-4	mg/kg	NS	NS	0.38	UJ	0.39	UJ	0.45	UJ	0.41	UJ	0.4	UJ	0.39	UJ
Hexachloroethane	67-72-1	mg/kg	NS	NS	0.38	U	0.39	U	0.45	U	0.41	U	0.4	U	0.39	U
Indeno(1,2,3-cd)pyrene	193-39-5	mg/kg	0.5	0.5	0.19	U	0.2	U	0.23	U	0.2	U	**2.9**		0.2	U
Isophorone	78-59-1	mg/kg	NS	NS	0.38	U	0.39	U	0.45	U	0.41	U	0.4	U	0.39	U
2-Methylnaphthalene	91-57-6	mg/kg	NS	NS	0.19	U	0.2	U	0.23	U	0.2	U	0.2	U	0.2	U
o-cresol	95-48-7	mg/kg	0.33	100	0.38	U	0.39	U	0.45	U	0.41	U	0.4	U	0.39	U
3 & 4-Methylphenol (m,p-Cresol)	65794-96-9	mg/kg	NS	NS	0.38	U	0.39	U	**0.53**		0.41	U	0.4	U	0.39	U
Naphthalene	91-20-3	mg/kg	12	100	0.19	U	0.2	U	0.23	U	0.2	U	0.2	U	0.2	U
Nitrobenzene	98-95-3	mg/kg	NS	NS	0.38	U	0.39	U	0.45	U	0.41	U	0.4	U	0.39	U
2-Nitroaniline	88-74-4	mg/kg	NS	NS	0.38	U	0.39	U	0.45	U	0.41	U	0.4	U	0.39	U
3-Nitroaniline	99-09-2	mg/kg	NS	NS	0.38	U	0.39	U	0.45	U	0.41	U	0.4	U	0.39	U
4-Nitroaniline	100-01-6	mg/kg	NS	NS	0.38	U	0.39	U	0.45	U	0.41	U	0.4	U	0.39	U
2-Nitrophenol	88-75-5	mg/kg	NS	NS	0.38	U	0.39	U	0.45	U	0.41	U	0.4	U	0.39	U
4-Nitrophenol	100-02-7	mg/kg	NS	NS	0.74	U	0.76	U	0.88	U	0.79	U	0.78	U	0.76	U
N-Nitrosodiphenylamine	86-30-6	mg/kg	NS	NS	0.38	U	0.39	U	0.45	U	0.41	U	0.4	U	0.39	U
N-Nitroso-di-n-propylamine	621-64-7	mg/kg	NS	NS	0.38	UJ	0.39	UJ	0.45	UJ	0.41	UJ	0.4	UJ	0.39	UJ
Pentachlorophenol	87-86-5	mg/kg	0.8	6.7	0.38	U	0.39	U	0.45	U	0.41	U	0.4	U	0.39	U
Phenanthrene	85-01-8	mg/kg	100	100	**0.20**		**0.26**		**0.12**	**J**	0.2	U	**0.28**		0.2	U
Phenol	108-95-2	mg/kg	0.33	100	0.38	U	0.39	U	0.45	U	0.41	U	0.4	U	0.39	U
Pyrene	129-00-0	mg/kg	100	100	**0.29**		**0.30**		**0.13**	**J**	0.2	U	**6.3**		0.2	U
1,2,4,5-Tetrachlorobenzene	95-94-3	mg/kg	NS	NS	0.38	U	0.39	U	0.45	U	0.41	U	0.4	U	0.39	U
2,4,5-Trichlorophenol	95-95-4	mg/kg	NS	NS	0.38	U	0.39	U	0.45	U	0.41	U	0.4	U	0.39	U
2,4,6-Trichlorophenol	88-06-2	mg/kg	NS	NS	0.38	U	0.39	U	0.45	U	0.41	U	0.4	U	0.39	U
1,4-Dioxane	123-91-1	mg/kg	0.1	13	0.056	U	0.057	U	0.067	U	0.059	U	0.06	U	0.057	U
Total TICs		mg/kg	NS	NS	***2.58***		***3.33***		***17.5***		***3.42***		***10.8***		***1.33***	

Notes:
J - Estimated value.
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
NA - Sample not analyzed for the listed analyte.
NS - No NYSDEC standards exist for this analyte.
Shading indicates result above Restricted Use Residential SCO.
Shading indicates result above Unrestricted Use SCO.
TICs - Tentatively Identified Compounds.
U - Analyte was not detected at specified quantitation limit.
UJ - Estimated non-detects.
Values in **bold** indicate the analyte was detected.
* - New York State Department of Environmental Conservation, Soil Cleanup Objectives (SCOs).

Table 1C
New York State Department of Environmental Conservation
250 Water Street P-Site Site Characterization
New York, New York
Summary of Results of Analysis of Soil for Polychlorinated Biphenyls

			Sample Location:		SB101				SB102				SB103				SB104			
			Sample Name:		250WATERST-SB101-SS(2-4)		250WATERST-SB101-SS(8-10)		250WATERST-SB102-SO-(2-4)		250WATERST-SB102-SO-(8-10)		250WATERST-SB103-SS(2-4)		250WATERST-SB103-SS(7-9)		250WATERST-SB104-SO-(2-4)		250WATERST-SB104-SO-(10-12)	
			Lab Sample ID:		23G1746-01		23G1746-02		24L1652-02		24L1652-05		23G2653-01		23G2653-02		24L1652-09		24L1652-13	
			Sample Depth:		2-4 ft		8-10 ft		2-4 ft		8-10 ft		2-4 ft		7-9 ft		2-4 ft		10-12 ft	
			Sample Date:		7/12/2023		7/12/2023		12/17/2024		12/17/2024		7/18/2023		7/18/2023		12/17/2024		12/17/2024	
			NYSDEC SCOs*																	
Polychlorinated Biphenyls (PCBs)	CAS #	Unit	Unrestricted Use	Restricted Residential Use																
Aroclor-1016	12674-11-2	mg/kg	NS	NS	0.098	U	0.096	U	0.089	UJ	0.091	UJ	0.082	U	0.081	U	0.079	UJ	0.087	UJ
Aroclor-1221	11104-28-2	mg/kg	NS	NS	0.098	U	0.096	U	0.089	U	0.091	U	0.082	U	0.081	U	0.079	U	0.087	U
Aroclor-1232	11141-16-5	mg/kg	NS	NS	0.098	U	0.096	U	0.089	U	0.091	U	0.082	U	0.081	U	0.079	U	0.087	U
Aroclor-1242	53469-21-9	mg/kg	NS	NS	0.098	U	0.096	U	0.089	UJ	0.091	UJ	0.082	U	0.081	U	0.079	UJ	0.087	UJ
Aroclor-1248	12672-29-6	mg/kg	NS	NS	0.098	U	0.096	U	0.089	U	0.091	U	0.082	U	0.081	U	0.079	U	0.087	U
Aroclor-1254	11097-69-1	mg/kg	NS	NS	0.098	U	0.096	U	0.089	U	0.091	U	0.082	U	0.081	U	0.079	U	0.087	U
Aroclor-1260	11096-82-5	mg/kg	NS	NS	0.098	U	0.096	U	0.089	U	0.091	U	0.082	U	0.081	U	0.079	U	0.087	U
Aroclor-1262	37324-23-5	mg/kg	NS	NS	0.098	UJ	0.096	UJ	0.089	UJ	0.091	UJ	0.082	U	0.081	U	0.079	UJ	0.087	UJ
Aroclor-1268	11100-14-4	mg/kg	NS	NS	0.098	UJ	0.096	UJ	0.089	U	0.091	U	0.082	UJ	0.081	UJ	0.079	U	0.087	U
Total PCBs	1336-36-3	mg/kg	0.1	1	0.098	U	0.096	U	0.089	U	0.091	U	0.082	U	0.081	U	0.079	U	0.087	U

Notes:
B - Analyte is found in associated laboratory blank as well as in the sample
J - Estimated value.
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
NA - Sample not analyzed for the listed analyte.
NS - No NYSDEC standards exist for this analyte.
Shading indicates result above Restricted Use Residential SCO.
Shading indicates result above Unrestricted Use SCO.
U - Analyte was not detected at specified quantitation limit.
UJ - Estimated non-detects.
Values in **bold** indicate the analyte was detected.
* - New York State Department of Environmental Conservation, Soil Cleanup Objectives (SCOs).

Table 1C
New York State Department of Environmental Conservation
250 Water Street P-Site Site Characterization
New York, New York
Summary of Results of Analysis of Soil for Polychlorinated Biphenyls

			Sample Location:		**SB105**				**SB106**						**SB107**				
			Sample Name:		250WATERST-SB105-SS(2-4)		250WATERST-SB105-SS(13-15)		250WATERST-SB106-SO-(2-4)		250WATERST-DUP-1-20241217		250WATERST-SB106-SO-(10-12)		250WATERST-SB107-SS(2-4)		250WATERST-SB107-SS(13-15)		
			Lab Sample ID:		23G1746-03		23G1746-04		24L1652-17		24L1652-25		24L1652-21		23G2329-01		23G2329-02		
			Sample Depth:		2-4 ft		13-15 ft		2-4 ft		2-4 ft		10-12 ft		2-4 ft		13-15 ft		
			Sample Date:		7/12/2023		7/12/2023		12/17/2024		12/17/2024		12/17/2024		7/17/2023		7/17/2023		
			NYSDEC SCOs*								Field Dup								
Polychlorinated Biphenyls (PCBs)	CAS #	Unit	Unrestricted Use	Restricted Residential Use															
Aroclor-1016	12674-11-2	mg/kg	NS	NS	0.084	U	*NA*		0.079	UJ	0.077	UJ	0.092	UJ	0.086	U	0.081	U	
Aroclor-1221	11104-28-2	mg/kg	NS	NS	0.084	U	*NA*		0.079	U	0.077	U	0.092	U	0.086	U	0.081	U	
Aroclor-1232	11141-16-5	mg/kg	NS	NS	0.084	U	*NA*		0.079	U	0.077	U	0.092	U	0.086	U	0.081	U	
Aroclor-1242	53469-21-9	mg/kg	NS	NS	0.084	U	*NA*		0.079	UJ	0.077	UJ	0.092	UJ	0.086	U	0.081	U	
Aroclor-1248	12672-29-6	mg/kg	NS	NS	0.084	U	*NA*		0.079	U	0.077	U	0.092	U	0.086	U	0.081	U	
Aroclor-1254	11097-69-1	mg/kg	NS	NS	0.084	U	*NA*		0.079	U	0.077	U	0.092	U	0.086	U	0.081	U	
Aroclor-1260	11096-82-5	mg/kg	NS	NS	**0.027**	**J**	*NA*		0.079	U	0.077	U	0.092	U	0.086	U	0.081	U	
Aroclor-1262	37324-23-5	mg/kg	NS	NS	0.084	UJ	*NA*		0.079	UJ	0.077	UJ	0.092	UJ	0.086	U	0.081	U	
Aroclor-1268	11100-14-4	mg/kg	NS	NS	0.084	UJ	*NA*		0.079	U	0.077	U	0.092	U	0.086	UJ	0.081	UJ	
Total PCBs	1336-36-3	mg/kg	0.1	1	**0.027**	**J**	*NA*		0.079	U	0.077	U	0.092	U	0.086	U	0.081	U	

Notes:
B - Analyte is found in associated laboratory blank as well as in the sample
J - Estimated value.
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
NA - Sample not analyzed for the listed analyte.
NS - No NYSDEC standards exist for this analyte.
Shading indicates result above Restricted Use Residential SCO.
Shading indicates result above Unrestricted Use SCO.
U - Analyte was not detected at specified quantitation limit.
UJ - Estimated non-detects.
Values in **bold** indicate the analyte was detected.
* - New York State Department of Environmental Conservation, Soil Cleanup Objectives (SCOs).

Table 1C
New York State Department of Environmental Conservation
250 Water Street P-Site Site Characterization
New York, New York
Summary of Results of Analysis of Soil for Polychlorinated Biphenyls

				Sample Location:	**SB108**				**SB109**												**SB110**			
				Sample Name:	250WATERST-SB108-SS(2-4)		250WATERST-SB108-SS(11-13)		250WATERST-SB109-SO-(2-4)		250WATERST-SS-DUP		250WATERST-SB109-SO-(10-12)		250WATERST-SB109-SO-(20-22)		250WATERST-SB110-SO-(2-4)							
				Lab Sample ID:	23G1941-04		23G1941-05		23G1822-01		23G1822-05		23G1822-02		23G1822-03		23G1822-04							
				Sample Depth:	2-4 ft		11-13 ft		2-4 ft		2-4 ft		10-12 ft		20-22 ft		2-4 ft							
				Sample Date:	7/14/2023		7/14/2023		7/13/2023		7/13/2023		7/13/2023		7/13/2023		7/13/2023							
			NYSDEC SCOs*								Field Dup													
Polychlorinated Biphenyls (PCBs)	CAS #	Unit	Unrestricted Use	Restricted Residential Use																				
Aroclor-1016	12674-11-2	mg/kg	NS	NS	0.088	U	0.090	U	0.090	U	0.087	U	0.10	U	0.094	U	0.084	U						
Aroclor-1221	11104-28-2	mg/kg	NS	NS	0.088	U	0.090	U	0.090	U	0.087	U	0.10	U	0.094	U	0.084	U						
Aroclor-1232	11141-16-5	mg/kg	NS	NS	0.088	U	0.090	U	0.090	U	0.087	U	0.10	U	0.094	U	0.084	U						
Aroclor-1242	53469-21-9	mg/kg	NS	NS	0.088	U	0.090	U	0.090	U	0.087	U	0.10	U	0.094	U	0.084	U						
Aroclor-1248	12672-29-6	mg/kg	NS	NS	0.088	U	0.090	U	0.090	U	0.087	U	0.10	U	0.094	U	0.084	U						
Aroclor-1254	11097-69-1	mg/kg	NS	NS	0.088	UJ	0.090	UJ	0.090	U	0.087	U	**0.033**	**J**	0.094	U	0.084	U						
Aroclor-1260	11096-82-5	mg/kg	NS	NS	0.088	U	0.090	U	0.090	U	0.087	U	0.10	U	0.094	U	0.084	U						
Aroclor-1262	37324-23-5	mg/kg	NS	NS	0.088	UJ	0.090	UJ	0.090	UJ	0.087	UJ	0.10	UJ	0.094	UJ	0.084	UJ						
Aroclor-1268	11100-14-4	mg/kg	NS	NS	0.088	UJ	0.090	UJ	0.090	UJ	0.087	UJ	0.10	UJ	0.094	UJ	0.084	UJ						
Total PCBs	1336-36-3	mg/kg	0.1	1	0.088	U	0.090	U	0.090	U	0.087	U	**0.033**	**J**	0.094	U	0.084	U						

Notes:
B - Analyte is found in associated laboratory blank as well as in the sample
J - Estimated value.
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
NA - Sample not analyzed for the listed analyte.
NS - No NYSDEC standards exist for this analyte.
Shading indicates result above Restricted Use Residential SCO.
Shading indicates result above Unrestricted Use SCO.
U - Analyte was not detected at specified quantitation limit.
UJ - Estimated non-detects.
Values in **bold** indicate the analyte was detected.
* - New York State Department of Environmental Conservation, Soil Cleanup Objectives (SCOs).

Table 1C
New York State Department of Environmental Conservation
250 Water Street P-Site Site Characterization
New York, New York
Summary of Results of Analysis of Soil for Polychlorinated Biphenyls

					SB111								SB112			
Sample Location:																
Sample Name:					250WATERST-SB111-SS(2-4)		250WATERST-SS-DUP-20230714		250WATERST-SB111-SS(8-10)		250WATERST-SB111-SS(22-24)		250WATERST-SB112-SS(2-4)		250WATERST-SB112-SS(8-10)	
Lab Sample ID:					23G1941-01		23G1941-08		23G1941-02		23G1941-03		23G1941-06		23G1941-07	
Sample Depth:					2-4 ft		2-4 ft		8-10 ft		22-24 ft		2-4 ft		8-10 ft	
Sample Date:					7/14/2023		7/14/2023		7/14/2023		7/14/2023		7/14/2023		7/14/2023	
			NYSDEC SCOs*				Field Dup									
Polychlorinated Biphenyls (PCBs)	CAS #	Unit	Unrestricted Use	Restricted Residential Use												
Aroclor-1016	12674-11-2	mg/kg	NS	NS	0.087	U	0.090	U	0.11	U	0.095	U	0.096	U	0.091	U
Aroclor-1221	11104-28-2	mg/kg	NS	NS	0.087	U	0.090	U	0.11	U	0.095	U	0.096	U	0.091	U
Aroclor-1232	11141-16-5	mg/kg	NS	NS	0.087	U	0.090	U	0.11	U	0.095	U	0.096	U	0.091	U
Aroclor-1242	53469-21-9	mg/kg	NS	NS	0.087	U	0.090	U	0.11	U	0.095	U	0.096	U	0.091	U
Aroclor-1248	12672-29-6	mg/kg	NS	NS	0.087	U	0.090	U	0.11	U	0.095	U	0.096	U	0.091	U
Aroclor-1254	11097-69-1	mg/kg	NS	NS	**0.47**	**J**	**0.72**	**J**	0.11	UJ	0.095	UJ	**0.034**	**J**	0.091	UJ
Aroclor-1260	11096-82-5	mg/kg	NS	NS	0.087	U	0.090	U	0.11	U	0.095	U	0.096	U	0.091	U
Aroclor-1262	37324-23-5	mg/kg	NS	NS	0.087	UJ	0.090	UJ	0.11	UJ	0.095	UJ	0.096	UJ	0.091	UJ
Aroclor-1268	11100-14-4	mg/kg	NS	NS	0.087	UJ	0.090	UJ	0.11	UJ	0.095	UJ	0.096	UJ	0.091	UJ
Total PCBs	1336-36-3	mg/kg	0.1	1	**0.47**		**0.72**		0.11	U	0.095	U	**0.034**	**J**	0.091	U

Notes:
B - Analyte is found in associated laboratory blank as well as in the sample
J - Estimated value.
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
NA - Sample not analyzed for the listed analyte.
NS - No NYSDEC standards exist for this analyte.
Shading indicates result above Restricted Use Residential SCO.
Shading indicates result above Unrestricted Use SCO.
U - Analyte was not detected at specified quantitation limit.
UJ - Estimated non-detects.
Values in **bold** indicate the analyte was detected.
* - New York State Department of Environmental Conservation, Soil Cleanup Objectives (SCOs).

Table 1D
New York State Department of Environmental Conservation
250 Water Street P-Site Site Characterization
New York, New York
Summary of Results of Analysis of Soil for Pesticides

					SB101				SB102				SB103				SB104			
Sample Location:					SB101				SB102				SB103				SB104			
Sample Name:					250WATERST-SB101-SS(2-4)		250WATERST-SB101-SS(8-10)		250WATERST-SB102-SO-(2-4)		250WATERST-SB102-SO-(8-10)		250WATERST-SB103-SS(2-4)		250WATERST-SB103-SS(7-9)		250WATERST-SB104-SO-(2-4)		250WATERST-SB104-SO-(10-12)	
Lab Sample ID:					23G1746-01		23G1746-02		24L1652-02		24L1652-05		23G2653-01		23G2653-02		24L1652-09		24L1652-13	
Sample Depth:					2-4 ft		8-10 ft		2-4 ft		8-10 ft		2-4 ft		7-9 ft		2-4 ft		10-12 ft	
Sample Date:					7/12/2023		7/12/2023		12/17/2024		12/17/2024		7/18/2023		7/18/2023		12/17/2024		12/17/2024	
			NYSDEC SCOs*																	
Pesticides	CAS #	Unit	Unrestricted Use	Restricted Residential Use																
Alachlor	15972-60-8	mg/kg	NS	NS	1.2	U	0.024	U	*NA*		*NA*		0.021	U	0.020	U	*NA*		*NA*	
Aldrin	309-00-2	mg/kg	0.005	0.097	0.31	U	0.006	U	0.028	U	0.057	U	0.0052	U	0.0050	U	0.0049	U	0.0054	U
alpha-BHC	319-84-6	mg/kg	0.02	0.48	0.31	U	0.006	U	0.028	U	0.057	U	0.0052	U	0.0050	U	0.0049	UJ	0.0054	U
beta-BHC	319-85-7	mg/kg	0.036	0.36	0.31	U	0.006	U	0.028	U	0.057	U	0.0052	U	0.0050	U	0.0049	U	0.0054	U
delta-BHC	319-86-8	mg/kg	0.04	100	0.31	U	0.006	U	0.028	U	0.057	U	0.0052	U	0.0050	U	0.0049	U	0.0054	U
gamma-BHC (Lindane)	58-89-9	mg/kg	0.1	1.3	0.12	U	0.0024	U	0.011	U	0.023	U	0.0021	U	0.0020	U	0.0020	U	0.0022	U
Chlordane	57-74-9	mg/kg	NS	NS	1.2	UJ	0.024	UJ	0.028	U	0.057	U	0.021	U	0.020	U	0.0049	U	0.0054	U
4,4-DDD	72-54-8	mg/kg	0.0033	13	0.25	U	0.0048	U	0.022	U	0.046	U	0.0041	U	0.0040	U	0.0039	U	0.0043	U
4,4-DDE	72-55-9	mg/kg	0.0033	8.9	**0.11**	**J**	0.0048	U	0.022	U	0.046	U	0.0041	U	0.0040	U	0.0039	U	0.0043	U
4,4-DDT	50-29-3	mg/kg	0.0033	7.9	**0.18**	**J**	0.0048	U	0.022	U	0.046	U	0.0041	U	0.0040	U	0.0039	U	0.0043	U
Dieldrin	60-57-1	mg/kg	0.005	0.2	0.25	U	0.0048	U	0.022	U	0.046	U	0.0041	U	0.0040	U	0.0039	U	0.0043	U
Endosulfan I	959-98-8	mg/kg	2.4	24	0.31	U	0.006	U	0.028	U	0.057	U	0.0052	U	0.0050	U	0.0049	U	0.0054	U
Endosulfan II	33213-65-9	mg/kg	2.4	24	0.49	U	0.0096	U	0.045	U	0.091	U	0.0083	U	0.0081	U	0.0079	U	0.0087	U
Endosulfan Sulfate	1031-07-8	mg/kg	2.4	24	0.49	U	0.0096	U	0.045	U	0.091	U	0.0083	U	0.0081	U	0.0079	U	0.0087	U
Endrin	72-20-8	mg/kg	0.014	11	0.49	U	0.0096	U	0.045	U	0.091	U	0.0083	U	0.0081	U	0.0079	U	0.0087	U
Endrin Aldehyde	7421-93-4	mg/kg	NS	NS	0.49	U	0.0096	U	0.045	U	0.091	U	0.0083	U	0.0081	U	0.0079	U	0.0087	U
Endrin Ketone	53494-70-5	mg/kg	NS	NS	0.49	U	0.0096	U	0.045	U	0.091	U	0.0083	U	0.0081	U	0.0079	U	0.0087	U
Heptachlor	76-44-8	mg/kg	0.042	2.1	0.31	U	0.006	U	0.028	U	0.057	U	0.0052	U	0.0050	U	0.0049	U	0.0054	U
Heptachlor Epoxide	1024-57-3	mg/kg	NS	NS	0.31	U	0.006	U	0.028	U	0.057	U	0.0052	U	0.0050	U	0.0049	U	0.0054	U
Hexachlorobenzene	118-74-1	mg/kg	0.33	1.2	0.37	U	0.0072	U	0.38	U	0.39	U	0.0062	U	0.0060	U	0.35	U	0.39	U
Methoxychlor	72-43-5	mg/kg	NS	NS	3.1	U	0.06	U	0.28	U	0.57	U	0.052	U	0.050	U	0.049	U	0.054	U
Toxaphene	8001-35-2	mg/kg	NS	NS	6.1	U	0.12	U	0.56	U	1.1	U	0.10	U	0.10	U	0.098	U	0.11	U

Notes:
J - Estimated value.
JH - Estimated value; biased high.
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
NA - Sample not analyzed for the listed analyte.
NS - No NYSDEC standards exist for this analyte.
Shading indicates result above Restricted Use Residential SCO.
Shading indicates result above Unrestricted Use SCO.
U - Analyte was not detected at specified quantitation limit.
UJ - Estimated non-detects.
Values in **bold** indicate the analyte was detected.
* - New York State Department of Environmental Conservation, Soil Cleanup Objectives (SCOs).

Table 1D
New York State Department of Environmental Conservation
250 Water Street P-Site Site Characterization
New York, New York
Summary of Results of Analysis of Soil for Pesticides

				Sample Location:	SB105				SB106						SB107			
				Sample Name:	250WATERST-SB105-SS(2-4)		250WATERST-SB105-SS(13-15)		250WATERST-SB106-SO-(2-4)		250WATERST-DUP-1-20241217		250WATERST-SB106-SO-(10-12)		250WATERST-SB107-SS(2-4)		250WATERST-SB107-SS(13-15)	
				Lab Sample ID:	23G1746-03		23G1746-04		24L1652-17		24L1652-25		24L1652-21		23G2329-01		23G2329-02	
				Sample Depth:	2-4 ft		13-15 ft		2-4 ft		2-4 ft		10-12 ft		2-4 ft		13-15 ft	
				Sample Date:	7/12/2023		7/12/2023		12/17/2024		12/17/2024		12/17/2024		7/17/2023		7/17/2023	
			NYSDEC SCOs*								Field Dup							
Pesticides	CAS #	Unit	Unrestricted Use	Restricted Residential Use														
Alachlor	15972-60-8	mg/kg	NS	NS	0.42	U	*NA*		*NA*		*NA*		*NA*		0.11	U	0.02	U
Aldrin	309-00-2	mg/kg	0.005	0.097	0.10	U	*NA*		0.0049	U	0.0048	U	0.0057	U	0.028	U	0.0051	U
alpha-BHC	319-84-6	mg/kg	0.02	0.48	0.10	U	*NA*		0.0049	U	0.0048	U	0.0057	U	0.028	U	0.0051	U
beta-BHC	319-85-7	mg/kg	0.036	0.36	0.10	U	*NA*		0.0049	U	0.0048	U	0.0057	U	0.028	U	0.0051	U
delta-BHC	319-86-8	mg/kg	0.04	100	0.10	U	*NA*		0.0049	U	0.0048	U	0.0057	U	0.028	U	0.0051	U
gamma-BHC (Lindane)	58-89-9	mg/kg	0.1	1.3	0.042	U	*NA*		0.0020	U	0.0019	U	0.0023	U	0.011	U	0.002	U
Chlordane	57-74-9	mg/kg	NS	NS	0.42	UJ	*NA*		0.0049	U	0.0048	U	0.0057	U	0.11	U	0.02	U
4,4-DDD	72-54-8	mg/kg	0.0033	13	**0.035**	**J**	*NA*		0.0039	U	0.0039	U	0.0046	U	0.022	U	0.0041	U
4,4-DDE	72-55-9	mg/kg	0.0033	8.9	**0.090**	**J**	*NA*		0.0039	U	0.0039	U	0.0046	U	0.022	U	0.0041	U
4,4-DDT	50-29-3	mg/kg	0.0033	7.9	**0.097**		*NA*		0.0039	U	0.0039	U	0.0046	U	**0.0082**	**JH**	0.0041	U
Dieldrin	60-57-1	mg/kg	0.005	0.2	0.10	U	*NA*		0.0039	U	0.0039	U	0.0046	U	0.022	U	0.0041	U
Endosulfan I	959-98-8	mg/kg	2.4	24	0.17	U	*NA*		0.0049	U	0.0048	U	0.0057	U	0.028	U	0.0051	U
Endosulfan II	33213-65-9	mg/kg	2.4	24	0.17	U	*NA*		0.0079	U	0.0077	U	0.0092	U	0.044	U	0.0081	U
Endosulfan Sulfate	1031-07-8	mg/kg	2.4	24	0.17	U	*NA*		0.0079	U	0.0077	U	0.0092	U	0.044	U	0.0081	U
Endrin	72-20-8	mg/kg	0.014	11	0.17	U	*NA*		0.0079	U	0.0077	U	0.0092	U	0.044	U	0.0081	U
Endrin Aldehyde	7421-93-4	mg/kg	NS	NS	0.17	U	*NA*		0.0079	U	0.0077	U	0.0092	U	0.044	U	0.0081	U
Endrin Ketone	53494-70-5	mg/kg	NS	NS	0.17	U	*NA*		0.0079	U	0.0077	U	0.0092	U	0.044	U	0.0081	U
Heptachlor	76-44-8	mg/kg	0.042	2.1	0.10	U	*NA*		0.0049	U	0.0048	U	0.0057	U	0.028	U	0.0051	U
Heptachlor Epoxide	1024-57-3	mg/kg	NS	NS	0.10	U	*NA*		0.0049	U	0.0048	U	0.0057	U	0.028	U	0.0051	U
Hexachlorobenzene	118-74-1	mg/kg	0.33	1.2	0.13	U	*NA*		0.36	U	0.35	U	0.38	U	0.033	U	0.0061	U
Methoxychlor	72-43-5	mg/kg	NS	NS	1.0	U	*NA*		0.049	U	0.048	U	0.057	U	0.28	U	0.051	U
Toxaphene	8001-35-2	mg/kg	NS	NS	2.1	U	*NA*		0.098	U	0.097	U	0.11	U	0.55	U	0.10	U

Notes:
J - Estimated value.
JH - Estimated value; biased high.
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
NA - Sample not analyzed for the listed analyte.
NS - No NYSDEC standards exist for this analyte.
Shading indicates result above Restricted Use Residential SCO.
Shading indicates result above Unrestricted Use SCO.
U - Analyte was not detected at specified quantitation limit.
UJ - Estimated non-detects.
Values in **bold** indicate the analyte was detected.
* - New York State Department of Environmental Conservation, Soil Cleanup Objectives (SCOs).

Table 1D
New York State Department of Environmental Conservation
250 Water Street P-Site Site Characterization
New York, New York
Summary of Results of Analysis of Soil for Pesticides

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Table 1D
New York State Department of Environmental Conservation
250 Water Street P-Site Site Characterization
New York, New York
Summary of Results of Analysis of Soil for Pesticides

					SB111								SB112			
Sample Location:																
Sample Name:					250WATERST-SB111-SS(2-4)		250WATERST-SS-DUP-20230714		250WATERST-SB111-SS(8-10)		250WATERST-SB111-SS(22-24)		250WATERST-SB112-SS(2-4)		250WATERST-SB112-SS(8-10)	
Lab Sample ID:					23G1941-01		23G1941-08		23G1941-02		23G1941-03		23G1941-06		23G1941-07	
Sample Depth:					2-4 ft		2-4 ft		8-10 ft		22-24 ft		2-4 ft		8-10 ft	
Sample Date:					7/14/2023		7/14/2023		7/14/2023		7/14/2023		7/14/2023		7/14/2023	
			NYSDEC SCOs*				Field Dup									
Pesticides	CAS #	Unit	Unrestricted Use	Restricted Residential Use												
Alachlor	15972-60-8	mg/kg	NS	NS	0.43	U	0.11	U	0.027	U	0.12	U	0.48	U	0.023	U
Aldrin	309-00-2	mg/kg	0.005	0.097	0.11	U	0.028	U	0.0067	U	0.030	U	0.12	U	0.0057	U
alpha-BHC	319-84-6	mg/kg	0.02	0.48	0.11	U	0.028	U	0.0067	U	0.030	U	0.12	U	0.0057	U
beta-BHC	319-85-7	mg/kg	0.036	0.36	0.11	U	0.028	U	0.0067	U	0.030	U	0.12	U	0.0057	U
delta-BHC	319-86-8	mg/kg	0.04	100	0.11	U	0.028	U	0.0067	U	0.030	U	0.12	U	0.0057	U
gamma-BHC (Lindane)	58-89-9	mg/kg	0.1	1.3	0.043	U	0.011	U	0.0027	U	0.012	U	0.048	U	0.0023	U
Chlordane	57-74-9	mg/kg	NS	NS	0.43	UJ	0.11	UJ	0.027	UJ	0.12	UJ	0.48	UJ	0.023	UJ
4,4-DDD	72-54-8	mg/kg	0.0033	13	0.087	U	0.022	U	0.0054	U	0.024	U	0.096	U	0.0045	U
4,4-DDE	72-55-9	mg/kg	0.0033	8.9	0.087	U	0.022	U	0.0054	U	0.024	U	0.096	U	0.0045	U
4,4-DDT	50-29-3	mg/kg	0.0033	7.9	0.087	U	0.022	U	0.0054	U	0.024	U	0.096	U	0.0045	U
Dieldrin	60-57-1	mg/kg	0.005	0.2	0.087	U	0.022	U	0.0054	U	0.024	U	0.096	U	0.0045	U
Endosulfan I	959-98-8	mg/kg	2.4	24	0.11	U	0.028	U	0.0067	U	0.03	U	0.12	U	0.0057	U
Endosulfan II	33213-65-9	mg/kg	2.4	24	0.17	U	0.045	U	0.011	U	0.047	U	0.19	U	0.0091	U
Endosulfan Sulfate	1031-07-8	mg/kg	2.4	24	0.17	U	0.045	U	0.011	U	0.047	U	0.19	U	0.0091	U
Endrin	72-20-8	mg/kg	0.014	11	0.17	U	0.045	U	0.011	U	0.047	U	0.19	U	0.0091	U
Endrin Aldehyde	7421-93-4	mg/kg	NS	NS	0.17	U	0.045	U	0.011	U	0.047	U	0.19	U	0.0091	U
Endrin Ketone	53494-70-5	mg/kg	NS	NS	0.17	U	0.045	U	0.011	U	0.047	U	0.19	U	0.0091	U
Heptachlor	76-44-8	mg/kg	0.042	2.1	0.11	U	0.028	U	0.0067	U	0.030	U	0.12	U	0.0057	U
Heptachlor Epoxide	1024-57-3	mg/kg	NS	NS	0.11	U	0.028	U	0.0067	U	0.030	U	0.12	U	0.0057	U
Hexachlorobenzene	118-74-1	mg/kg	0.33	1.2	0.13	U	0.034	U	0.008	U	0.035	U	0.14	U	0.0068	U
Methoxychlor	72-43-5	mg/kg	NS	NS	1.1	U	0.28	U	0.067	U	0.30	U	1.2	U	0.057	U
Toxaphene	8001-35-2	mg/kg	NS	NS	2.2	U	0.56	U	0.13	U	0.59	U	2.4	U	0.11	U

Notes:
J - Estimated value.
JH - Estimated value; biased high.
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
NA - Sample not analyzed for the listed analyte.
NS - No NYSDEC standards exist for this analyte.
Shading indicates result above Restricted Use Residential SCO.
Shading indicates result above Unrestricted Use SCO.
U - Analyte was not detected at specified quantitation limit.
UJ - Estimated non-detects.
Values in **bold** indicate the analyte was detected.
* - New York State Department of Environmental Conservation, Soil Cleanup Objectives (SCOs).

Table 1E
New York State Department of Environmental Conservation
250 Water Street P-Site Site Characterization
New York, New York
Summary of Results of Analysis of Soil for Metals and General Chemistry

					SB101				SB102				SB103				SB104			
Sample Location:					SB101				SB102				SB103				SB104			
Sample Name:					250WATERST-SB101-SS(2-4)		250WATERST-SB101-SS(8-10)		250WATERST-SB102-SO-(2-4)		250WATERST-SB102-SO-(8-10)		250WATERST-SB103-SS(2-4)		250WATERST-SB103-SS(7-9)		250WATERST-SB104-SO-(2-4)		250WATERST-SB104-SO-(10-12)	
Lab Sample ID:					23G1746-01		23G1746-02		24L1652-02		24L1652-05		23G2653-01		23G2653-02		24L1652-09		24L1652-13	
Sample Depth:					2-4 ft		8-10 ft		2-4 ft		8-10 ft		2-4 ft		7-9 ft		2-4 ft		10-12 ft	
Sample Date:					7/12/2023		7/12/2023		12/17/2024		12/17/2024		7/18/2023		7/18/2023		12/17/2024		12/17/2024	
			NYSDEC SCOs*																	
Metals, total	CAS #	Unit	Unrestricted Use	Restricted Residential Use																
Aluminum	7429-90-5	mg/kg	NS	NS	**4,800**	**J**	**3,900**	**J**	**5,300**		**6,200**		**6,000**	**J**	**3,200**	**J**	**4,000**		**2,900**	
Antimony	7440-36-0	mg/kg	NS	NS	**13**	**J**	2.1	UJ	1.9	UJ	1.9	UJ	1.7	UJ	1.7	UJ	1.7	UJ	1.9	UJ
Arsenic	7440-38-2	mg/kg	13	16	**20**	**J**	**1.4**	**J**	**6.5**		**5.7**		**1.6**	**J**	**0.65**	**J**	**7.7**		**3.3**	**J**
Barium	7440-39-3	mg/kg	350	400	**490**		**47**		**140**		**170**		**39**	**J**	**38**	**J**	**21**		**14**	
Beryllium	7440-41-7	mg/kg	7.2	72	**1.6**	**J**	**0.30**	**J**	**1.6**		**0.36**		**0.39**	**J**	**0.25**	**J**	**0.13**	**J**	**0.095**	**J**
Cadmium	7440-43-9	mg/kg	2.5	4.3	**4.9**		0.42	U	0.38	U	0.39	U	0.34	UJ	0.34	UJ	0.34	U	0.39	U
Calcium	7440-70-2	mg/kg	NS	NS	**53,000**	**J**	**1,500**	**J**	**26,000**		**29,000**		**1,200**	**JH**	**1,100**	**JH**	**16,000**		**7,300**	
Chromium	7440-47-3	mg/kg	30	180	**28**	**J**	**9.7**	**J**	**14**		**14**		**16**	**J**	**7.5**	**J**	**8.4**		**5.9**	
Cobalt	7440-48-4	mg/kg	NS	NS	**15**		**4.6**		**12**		**4.4**		**5.5**		**3.3**		**1.9**		**1.9**	**J**
Copper	7440-50-8	mg/kg	50	270	**1,000**	**JH**	**16**	**JH**	**32**	**J**	**82**	**J**	**24**	**JH**	**10**	**JH**	**19**	**J**	**12**	**J**
Iron	7439-89-6	mg/kg	NS	NS	**46,000**	**J**	**8,200**	**J**	**12,000**		**12,000**		**9,500**	**J**	**6,700**	**J**	**5,100**		**4,500**	
Lead	7439-92-1	mg/kg	63	400	**1,900**	**J**	**4.8**	**J**	**250**		**330**		**24**	**J**	**3.4**	**J**	**8.7**		**6.8**	
Magnesium	7439-95-4	mg/kg	NS	NS	**4,800**		**2,800**		**3,700**		**4,300**		**2,300**	**JH**	**1,900**	**JH**	**1,500**		**1,200**	
Manganese	7439-96-5	mg/kg	1,600	2,000	**310**	**J**	**340**	**J**	**250**		**250**		**220**		**500**		**110**		**130**	
Nickel	7440-02-0	mg/kg	30	310	**66**	**J**	**36**	**J**	**31**		**19**		**36**		**18**		**5.7**		**4.7**	
Potassium	7440-09-7	mg/kg	NS	NS	**1,000**	**J**	**1,100**	**J**	**1,100**		**1,200**		**1,200**		**930**		**460**		**310**	
Selenium	7782-49-2	mg/kg	3.9	180	4.2	UJ	4.2	UJ	3.8	U	3.9	U	3.4	U	3.4	U	3.4	U	3.9	U
Silver	7440-22-4	mg/kg	2	180	**0.89**		0.42	U	0.38	UJ	0.39	UJ	0.34	UJ	0.34	UJ	0.34	UJ	0.39	UJ
Sodium	7440-23-5	mg/kg	NS	NS	**460**	**J**	**140**	**J**	**250**	**J**	**220**	**J**	**160**	**J**	**180**		**83**	**J**	190	UJ
Thallium	7440-28-0	mg/kg	NS	NS	2.1	U	2.1	U	1.9	UJ	1.9	UJ	1.7	U	1.7	U	1.7	UJ	1.9	UJ
Vanadium	7440-62-2	mg/kg	NS	NS	**45**	**J**	**11**	**J**	**14**	**J**	**17**	**J**	**15**	**J**	**10**	**J**	**9.7**	**J**	**8.1**	**J**
Zinc	7440-66-6	mg/kg	109	10,000	**2,900**	**J**	**19**	**J**	**70**	**JH**	**410**	**JH**	**21**	**J**	**13**	**J**	**23**	**JH**	**12**	**JH**
General Chemistry																				
Cyanide	57-12-5	mg/kg	27	27	**4.1**		0.54	U	0.54	UJ	0.58	UJ	0.36	U	0.44	U	0.48	UJ	0.57	UJ

Notes:
B - Analyte is found in associated laboratory blank as well as in the sample
J - Estimated value.
JH - Estimated value; biased high.
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
NA - Sample not analyzed for the listed analyte.
NS - No NYSDEC standards exist for this analyte.
Shading indicates result above Restricted Use Residential SCO.
Shading indicates result above Unrestricted Use SCO.
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UJ- Estimated non-detect.
Values in **bold** indicate the analyte was detected.
* - New York State Department of Environmental Conservation, Soil Cleanup Objectives (SCOs).

Table 1E
New York State Department of Environmental Conservation
250 Water Street P-Site Site Characterization
New York, New York
Summary of Results of Analysis of Soil for Metals and General Chemistry

					SB105				SB106						SB107			
Sample Location:																		
Sample Name:					250WATERST-SB105-SS(2-4)		250WATERST-SB105-SS(13-15)		250WATERST-SB106-SO-(2-4)		250WATERST-DUP-1-20241217		250WATERST-SB106-SO-(10-12)		250WATERST-SB107-SS(2-4)		250WATERST-SB107-SS(13-15)	
Lab Sample ID:					23G1746-03		23G1746-04		24L1652-17		24L1652-25		24L1652-21		23G2329-01		23G2329-02	
Sample Depth:					2-4 ft		13-15 ft		2-4 ft		2-4 ft		10-12 ft		2-4 ft		13-15 ft	
Sample Date:					7/12/2023		7/12/2023		12/17/2024		12/17/2024		12/17/2024		7/17/2023		7/17/2023	
			NYSDEC SCOs*								Field Dup							
Metals, total	CAS #	Unit	Unrestricted Use	Restricted Residential Use														
Aluminum	7429-90-5	mg/kg	NS	NS	**5,700**	**J**	**4,600**	**J**	**4,900**		**4,200**		**4,900**		**4,100**	**J**	**2,600**	**J**
Antimony	7440-36-0	mg/kg	NS	NS	**2.6**	**J**	**2.7**	**J**	1.8	UJ	1.6	UJ	1.8	UJ	1.9	UJ	1.7	UJ
Arsenic	7440-38-2	mg/kg	13	16	**7.1**	**J**	**2.0**	**J**	**55**		**41**		**7.2**		**1.7**	**J**	3.4	U
Barium	7440-39-3	mg/kg	350	400	**390**		**69**		**51**		**100**		**49**		**57**	**J**	**34**	**J**
Beryllium	7440-41-7	mg/kg	7.2	72	**1.7**	**J**	**0.33**	**J**	**0.30**		**0.26**		**0.27**		**0.14**	**J**	**0.057**	**J**
Cadmium	7440-43-9	mg/kg	2.5	4.3	**0.49**		0.4	U	0.35	U	0.33	U	0.36	U	**0.16**	**J**	0.34	UJ
Calcium	7440-70-2	mg/kg	NS	NS	**42,000**	**J**	**12,000**	**J**	**2,100**		**8,000**		**4,300**		**6,500**		**2,500**	
Chromium	7440-47-3	mg/kg	30	180	**19**	**J**	**11**	**J**	**9.2**		**9.6**		**11**		**9.6**	**J**	**6.4**	**J**
Cobalt	7440-48-4	mg/kg	NS	NS	**11**		**3.7**		**6.1**		**7.1**		**4.2**		**3.5**		**2.0**	
Copper	7440-50-8	mg/kg	50	270	**210**	**JH**	**13**	**JH**	**16**	**J**	**29**	**J**	**30**	**J**	**43**		**7.2**	
Iron	7439-89-6	mg/kg	NS	NS	**12,000**	**J**	**7,400**	**J**	**9,000**		**7,900**		**8,600**		**7,400**		**5,000**	
Lead	7439-92-1	mg/kg	63	400	**1,100**	**J**	**32**	**J**	**5.9**		**380**		**25**		**200**	**J**	**9.0**	**J**
Magnesium	7439-95-4	mg/kg	NS	NS	**3,400**		**2,000**		**2,800**		**2,800**		**2,800**		**2,200**	**J**	**1,700**	**J**
Manganese	7439-96-5	mg/kg	1,600	2,000	**300**	**J**	**180**	**J**	**320**		**150**		**260**		**200**	**J**	**160**	**J**
Nickel	7440-02-0	mg/kg	30	310	**40**	**J**	**26**	**J**	**21**		**12**		**15**		**15**	**J**	**8.5**	**J**
Potassium	7440-09-7	mg/kg	NS	NS	**990**	**J**	**980**	**J**	**1,100**		**1,000**		**1,100**		**1,000**	**J**	**780**	**J**
Selenium	7782-49-2	mg/kg	3.9	180	3.6	UJ	4	UJ	3.5	U	3.3	U	3.6	U	3.7	UJ	3.4	UJ
Silver	7440-22-4	mg/kg	2	180	**0.17**	**J**	0.4	U	0.35	UJ	0.31	UJ	0.36	UJ	**1.2**	**JH**	**0.49**	**JH**
Sodium	7440-23-5	mg/kg	NS	NS	**470**	**J**	**99**	**J**	**210**	**J**	**230**	**J**	**160**	**J**	**330**	**J**	**150**	**J**
Thallium	7440-28-0	mg/kg	NS	NS	1.8	U	2	U	1.8	UJ	8.2	UJ	1.8	UJ	1.9	U	1.7	U
Vanadium	7440-62-2	mg/kg	NS	NS	**23**	**J**	**14**	**J**	**12**	**J**	**13**	**J**	**12**	**J**	**10**		**7.0**	
Zinc	7440-66-6	mg/kg	109	10,000	**1,100**	**J**	**21**	**J**	**45**	**JH**	**72**	**JH**	**54**	**JH**	**89**	**J**	**11**	**J**
General Chemistry																		
Cyanide	57-12-5	mg/kg	27	27	**2.3**		**0.35**	**J**	0.51	UJ	0.52	UJ	0.53	UJ	0.51	UJ	**0.31**	**J**

Notes:
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* - New York State Department of Environmental Conservation, Soil Cleanup Objectives (SCOs).

Table 1E
New York State Department of Environmental Conservation
250 Water Street P-Site Site Characterization
New York, New York
Summary of Results of Analysis of Soil for Metals and General Chemistry

			Sample Location:		SB108				SB109								SB110	
			Sample Name:		250WATERST-SB108-SS(2-4)		250WATERST-SB108-SS(11-13)		250WATERST-SB109-SO-(2-4)		250WATERST-SS-DUP		250WATERST-SB109-SO-(10-12)		250WATERST-SB109-SO-(20-22)		250WATERST-SB110-SO-(2-4)	
			Lab Sample ID:		23G1941-04		23G1941-05		23G1822-01		23G1822-05		23G1822-02		23G1822-03		23G1822-04	
			Sample Depth:		2-4 ft		11-13 ft		2-4 ft		2-4 ft		10-12 ft		20-22 ft		2-4 ft	
			Sample Date:		7/14/2023		7/14/2023		7/13/2023		7/13/2023		7/13/2023		7/13/2023		7/13/2023	
			NYSDEC SCOs*								Field Dup							
Metals, total	CAS #	Unit	Unrestricted Use	Restricted Residential Use														
Aluminum	7429-90-5	mg/kg	NS	NS	**6,300**	**J**	**3,800**	**J**	**7,000**		**5,900**		**3,200**		**2,900**		**8,000**	
Antimony	7440-36-0	mg/kg	NS	NS	1.8	UJ	1.9	UJ	1.9	UJ	**1.0**	**J**	2.2	UJ	1.9	UJ	1.9	UJ
Arsenic	7440-38-2	mg/kg	13	16	**6.5**	**JH**	**2.6**	**JH**	**3.5**	**J**	**3.9**		**2.2**	**J**	**1.1**	**J**	**4.4**	
Barium	7440-39-3	mg/kg	350	400	**54**	**J**	**22**	**J**	**52**		**53**		**51**	**J**	**11**		**60**	**J**
Beryllium	7440-41-7	mg/kg	7.2	72	**0.072**	**J**	0.19	UJ	**0.31**		**0.30**		**0.15**	**J**	**0.20**		**0.35**	
Cadmium	7440-43-9	mg/kg	2.5	4.3	**0.19**	**J**	0.38	UJ	0.39	U	0.38	U	0.43	U	0.39	U	0.37	U
Calcium	7440-70-2	mg/kg	NS	NS	**24,000**		**2,300**	**J**	**48,000**		**72,000**		**26,000**		**830**		**57,000**	
Chromium	7440-47-3	mg/kg	30	180	**13**	**J**	**10**	**J**	**16**		**13**		**11**		**5.9**		**14**	
Cobalt	7440-48-4	mg/kg	NS	NS	**4.6**	**J**	**2.6**	**J**	**3.2**		**3.8**		**2.8**		**3.1**		**4.3**	
Copper	7440-50-8	mg/kg	50	270	**34**	**J**	**6.7**	**J**	**22**	**JH**	**22**	**JH**	**110**	**JH**	**6.8**	**JH**	**32**	**JH**
Iron	7439-89-6	mg/kg	NS	NS	**9,400**		**6,000**		**10,000**		**8,600**		**8,000**		**5,300**		**9,200**	
Lead	7439-92-1	mg/kg	63	400	**110**	**J**	**4.3**	**J**	**40**		**37**		**180**		**2.4**		**36**	
Magnesium	7439-95-4	mg/kg	NS	NS	**3,600**	**J**	**1,600**	**J**	**10,000**		**27,000**		**5,700**		**2,100**		**11,000**	
Manganese	7439-96-5	mg/kg	1,600	2,000	**230**	**J**	**48**	**J**	**170**		**210**		**210**		**110**		**210**	
Nickel	7440-02-0	mg/kg	30	310	**18**	**J**	**12**	**J**	**11**		**11**		**12**		**13**		**11**	
Potassium	7440-09-7	mg/kg	NS	NS	**1,300**	**J**	**990**	**J**	**1,200**		**1,200**		**1,200**		**780**		**930**	
Selenium	7782-49-2	mg/kg	3.9	180	3.5	UJ	3.8	UJ	3.9	U	3.8	U	4.3	U	3.9	U	3.7	U
Silver	7440-22-4	mg/kg	2	180	**1.2**	**JH**	**0.67**	**JH**	0.39	U	0.38	U	0.43	U	0.39	U	0.37	U
Sodium	7440-23-5	mg/kg	NS	NS	**280**		**460**		**360**		**350**		**240**		**160**	**J**	**330**	**J**
Thallium	7440-28-0	mg/kg	NS	NS	1.8	U	1.9	U	1.9	U	1.9	U	2.2	U	1.9	U	1.9	U
Vanadium	7440-62-2	mg/kg	NS	NS	**15**	**J**	**12**	**J**	**22**		**42**		**14**		**7.2**		**23**	
Zinc	7440-66-6	mg/kg	109	10,000	**51**		**13**		**56**	**JH**	**50**	**JH**	**37**	**JH**	**13**	**JH**	**53**	**JH**
General Chemistry																		
Cyanide	57-12-5	mg/kg	27	27	0.54	U	0.47	U	**0.37**	**J**	0.56	U	**0.81**	**J**	0.43	UJ	**0.41**	**J**

Notes:
B - Analyte is found in associated laboratory blank as well as in the sample
J - Estimated value.
JH - Estimated value; biased high.
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
NA - Sample not analyzed for the listed analyte.
NS - No NYSDEC standards exist for this analyte.
Shading indicates result above Restricted Use Residential SCO.
Shading indicates result above Unrestricted Use SCO.
U - Analyte was not detected at specified quantitation limit.
UJ- Estimated non-detect.
Values in **bold** indicate the analyte was detected.
* - New York State Department of Environmental Conservation, Soil Cleanup Objectives (SCOs).

Table 1E
New York State Department of Environmental Conservation
250 Water Street P-Site Site Characterization
New York, New York
Summary of Results of Analysis of Soil for Metals and General Chemistry

		Sample Location:		SB111								SB112				
		Sample Name:		250WATERST-SB111-SS(2-4)		250WATERST-SS-DUP-20230714		250WATERST-SB111-SS(8-10)		250WATERST-SB111-SS(22-24)		250WATERST-SB112-SS(2-4)		250WATERST-SB112-SS(8-10)		
		Lab Sample ID:		23G1941-01		23G1941-08		23G1941-02		23G1941-03		23G1941-06		23G1941-07		
		Sample Depth:		2-4 ft		2-4 ft		8-10 ft		22-24 ft		2-4 ft		8-10 ft		
		Sample Date:		7/14/2023		7/14/2023		7/14/2023		7/14/2023		7/14/2023		7/14/2023		
		NYSDEC SCOs*				Field Dup										
Metals, total	CAS #	Unit	Unrestricted Use	Restricted Residential Use												
Aluminum	7429-90-5	mg/kg	NS	NS	**4,700**	**J**	**4,800**	**J**	**2,800**	**J**	**4,000**	**J**	**6,900**	**J**	**7,000**	**J**
Antimony	7440-36-0	mg/kg	NS	NS	1.8	UJ	1.9	UJ	2.1	UJ	2	UJ	1.9	UJ	1.9	UJ
Arsenic	7440-38-2	mg/kg	13	16	**5.3**	**JH**	**4.1**	**JH**	**5.3**	**JH**	**2.3**	**JH**	**8.7**	**JH**	**3.8**	**JH**
Barium	7440-39-3	mg/kg	350	400	**37**	**J**	**44**	**J**	**400**	**J**	**33**	**J**	**62**	**J**	**37**	**J**
Beryllium	7440-41-7	mg/kg	7.2	72	0.18	UJ	0.19	UJ	**0.099**	**J**	**0.13**	**J**	**0.067**	**J**	**0.089**	**J**
Cadmium	7440-43-9	mg/kg	2.5	4.3	**0.13**	**J**	0.38	UJ	0.42	UJ	0.4	UJ	**0.97**	**J**	**0.33**	**J**
Calcium	7440-70-2	mg/kg	NS	NS	**46,000**		**5,600**	**J**	**52,000**	**J**	**870**		**23,000**		**4,100**	**J**
Chromium	7440-47-3	mg/kg	30	180	**11**	**J**	**11**	**J**	**6.1**	**J**	**10**	**J**	**14**	**J**	**14**	**J**
Cobalt	7440-48-4	mg/kg	NS	NS	**4.2**	**J**	**4.5**	**J**	**2.1**	**J**	**3.5**	**J**	**5.5**	**J**	**4.8**	**J**
Copper	7440-50-8	mg/kg	50	270	**18**	**J**	**19**	**J**	**33**	**J**	**8.2**	**J**	**51**	**J**	**14**	**J**
Iron	7439-89-6	mg/kg	NS	NS	**8,200**		**7,500**		**5,700**		**5,800**		**12,000**		**8,400**	
Lead	7439-92-1	mg/kg	63	400	**25**	**J**	**24**	**J**	**210**	**J**	**2.8**	**J**	**330**	**J**	**32**	**J**
Magnesium	7439-95-4	mg/kg	NS	NS	**4,600**	**J**	**2,700**	**J**	**1,400**	**J**	**1,600**	**J**	**3,800**	**J**	**1,800**	**J**
Manganese	7439-96-5	mg/kg	1,600	2,000	**200**	**J**	**160**	**J**	**650**	**J**	**53**	**J**	**300**	**J**	**160**	**J**
Nickel	7440-02-0	mg/kg	30	310	**22**	**J**	**18**	**J**	**11**	**J**	**13**	**J**	**21**	**J**	**19**	**J**
Potassium	7440-09-7	mg/kg	NS	NS	**760**	**J**	**1,300**	**J**	**580**	**J**	**1,100**	**J**	**1,400**	**J**	**1,100**	**J**
Selenium	7782-49-2	mg/kg	3.9	180	3.6	UJ	3.8	UJ	4.2	UJ	4	UJ	3.8	UJ	3.8	UJ
Silver	7440-22-4	mg/kg	2	180	**0.84**	**JH**	**0.68**	**JH**	**0.90**	**JH**	**0.66**	**JH**	**2.2**	**JH**	**1.2**	**JH**
Sodium	7440-23-5	mg/kg	NS	NS	**130**	**J**	**100**	**J**	**380**		**170**	**J**	**290**		**190**	
Thallium	7440-28-0	mg/kg	NS	NS	**0.91**	**J**	1.9	U	**1.2**	**J**	2	U	1.9	U	1.9	U
Vanadium	7440-62-2	mg/kg	NS	NS	**7.5**	**J**	**13**	**J**	**9.0**	**J**	**14**	**J**	**22**	**J**	**18**	**J**
Zinc	7440-66-6	mg/kg	109	10,000	**26**		**28**		**110**		**13**		**200**		**54**	
General Chemistry																
Cyanide	57-12-5	mg/kg	27	27	0.44	U	**0.51**		0.65	U	0.52	U	0.47	U	**0.51**	**J**

Notes:
B - Analyte is found in associated laboratory blank as well as in the sample
J - Estimated value.
JH - Estimated value; biased high.
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
NA - Sample not analyzed for the listed analyte.
NS - No NYSDEC standards exist for this analyte.
Shading indicates result above Restricted Use Residential SCO.
Shading indicates result above Unrestricted Use SCO.
U - Analyte was not detected at specified quantitation limit.
UJ- Estimated non-detect.
Values in **bold** indicate the analyte was detected.
* - New York State Department of Environmental Conservation, Soil Cleanup Objectives (SCOs).

Table 1G
New York State Department of Environmental Conservation
250 Water Street P-Site Site Characterization
New York, New York
Summary of Results of Analysis of Soil for Per-and Polyfluoroalkyl Substances

					SB101				SB102				SB103				SB104			
Sample Location:					SB101				SB102				SB103				SB104			
Sample Name:					250WATERST-SB101-SS(2-4)		250WATERST-SB101-SS(8-10)		250WATERST-SB102-SO-(2-4)		250WATERST-SB102-SO-(8-10)		250WATERST-SB103-SS(2-4)		250WATERST-SB103-SS(7-9)		250WATERST-SB104-SO-(2-4)		250WATERST-SB104-SO-(10-12)	
Lab Sample ID:					23G1751-01		23G1751-02		24L1652-02		24L1652-05		23G2664-01		23G2664-02		24L1652-09		24L1652-13	
Sample Depth:					2-4 ft		8-10 ft		2-4 ft		8-10 ft		2-4 ft		7-9 ft		2-4 ft		10-12 ft	
Sample Date:					7/12/2023		7/12/2023		12/17/2024		12/17/2024		7/18/2023		7/18/2023		12/17/2024		12/17/2024	
			NYSDEC SCOs*																	
Per-and Polyfluoroalkyl Substances (PFAS)	CAS #	Unit	Unrestricted Use	Restricted Residential Use																
Perfluorobutanoic Acid (PFBA)	375-22-4	µg/kg	NS	NS	**0.34**	**J**	0.81	U	0.79	UJ	0.80	UJ	0.79	U	0.78	U	0.79	UJ	0.79	UJ
Perfluoropentanoic Acid (PFPeA)	2706-90-3	µg/kg	NS	NS	**0.29**	**J**	0.41	U	0.40	UJ	0.40	UJ	**0.038**	**J**	**0.042**	**J**	0.40	UJ	0.40	UJ
Perfluorohexanoic Acid (PFHxA)	307-24-4	µg/kg	NS	NS	**0.25**		0.20	U	0.20	UJ	0.20	UJ	**0.016**	**J**	**0.043**	**J**	0.20	UJ	0.20	UJ
Perfluoroheptanoic Acid (PFHpA)	375-85-9	µg/kg	NS	NS	**0.15**	**J**	0.20	U	0.20	UJ	0.20	UJ	0.20	U	0.20	U	0.20	UJ	0.20	UJ
Perfluorooctanoic Acid (PFOA)	335-67-1	µg/kg	0.66	33	**0.83**		0.20	U	**0.072**	**J**	0.20	UJ	**0.056**	**J**	**0.11**	**J**	0.20	UJ	0.20	UJ
Perfluorononanoic Acid (PFNA)	375-95-1	µg/kg	NS	NS	0.20	U	0.20	U	0.20	UJ	0.20	UJ	0.20	U	0.20	U	0.20	UJ	0.20	UJ
Perfluorodecanoic Acid (PFDA)	335-76-2	µg/kg	NS	NS	0.20	U	0.20	U	0.20	UJ	0.20	UJ	**0.25**		0.20	U	**0.063**	**J**	0.20	UJ
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	µg/kg	NS	NS	0.20	U	0.20	U	0.20	UJ	0.20	UJ	0.20	U	0.20	U	0.20	UJ	0.20	UJ
Perfluorododecanoic Acid (PFDoA)	307-55-1	µg/kg	NS	NS	0.20	U	0.20	U	0.20	UJ	0.20	UJ	0.20	U	0.20	U	0.20	UJ	0.20	UJ
Perfluorotridecanoic Acid (PFTriA)	72629-94-8	µg/kg	NS	NS	0.20	U	0.20	U	0.20	UJ	0.20	UJ	0.20	U	0.20	U	0.20	UJ	0.20	UJ
Perfluorotetradecanoic Acid (PFTeA)	376-06-7	µg/kg	NS	NS	0.20	UJ	0.20	U	0.20	UJ	0.20	UJ	0.20	U	0.20	U	0.20	UJ	0.20	UJ
Perfluorobutanesulfonic Acid (PFBS)	375-73-5	µg/kg	NS	NS	**1.6**		0.20	U	0.20	UJ	0.20	UJ	0.20	U	0.20	U	0.20	UJ	0.20	UJ
Perfluoropentanesulfonic Acid (PFPeS)	2706-91-4	µg/kg	NS	NS	0.20	U	0.20	U	0.20	UJ	0.20	UJ	0.20	U	0.20	U	0.20	UJ	0.20	UJ
Perfluorohexanesulfonic Acid (PFHxS)	355-46-4	µg/kg	NS	NS	**0.34**		0.20	U	0.20	UJ	0.20	UJ	0.20	U	0.20	U	0.20	UJ	0.20	UJ
Perfluoroheptanesulfonic Acid (PFHpS)	375-92-8	µg/kg	NS	NS	0.20	U	0.20	U	0.20	UJ	0.20	UJ	0.20	U	0.20	U	0.20	UJ	0.20	UJ
Perfluorooctanesulfonic Acid (PFOS)	1763-23-1	µg/kg	0.88	44	**0.19**	**J**	0.20	U	**0.14**	**J**	0.20	UJ	**0.54**		**0.23**		**0.30**	**J**	0.20	UJ
Perfluorononanesulfonic Acid (PFNS)	68259-12-1	µg/kg	NS	NS	0.20	U	0.20	U	0.20	UJ	0.20	UJ	0.20	U	0.20	U	0.20	UJ	0.20	UJ
Perfluorodecanesulfonic Acid (PFDS)	335-77-3	µg/kg	NS	NS	0.20	U	0.20	U	0.20	UJ	0.20	UJ	0.20	U	0.20	U	0.20	UJ	0.20	UJ
Perfluorododecane sulfonic acid (PFDoS)	79780-39-5	µg/kg	NS	NS	0.20	U	0.20	U	0.20	UJ	0.20	UJ	0.20	U	0.20	U	0.20	UJ	0.20	UJ
4:2 Fluorotelomer Sulfonate (4:2 FTS)	757124-72-4	µg/kg	NS	NS	0.79	U	0.81	U	0.79	UJ	0.80	UJ	0.79	U	0.78	U	0.79	UJ	0.79	UJ
6:2 Fluorotelomer Sulfonate (6:2 FTS)	27619-97-2	µg/kg	NS	NS	0.79	U	0.81	U	0.79	UJ	0.80	UJ	0.79	U	0.78	U	0.79	UJ	0.79	UJ
8:2 Fluorotelomer Sulfonate (8:2 FTS)	39108-34-4	µg/kg	NS	NS	0.79	U	0.81	U	0.79	UJ	0.80	UJ	0.79	U	0.78	U	0.79	UJ	0.79	UJ
Perfluorooctane Sulfonamide (FOSA)	754-91-6	µg/kg	NS	NS	0.20	UJ	0.20	U	0.20	UJ	0.20	UJ	0.20	U	0.20	U	0.20	UJ	0.20	UJ
N-Methylperfluorooctane sulfonamide (NMeFOSA)	31506-32-8	µg/kg	NS	NS		R	0.20	U	0.20	UJ	0.20	UJ	0.20	U	0.20	U	0.20	UJ	0.20	UJ
N-Ethylperfluorooctane sulfonamide (NEtFOSA)	4151-50-2	µg/kg	NS	NS		R	0.20	U	0.20	UJ	0.20	UJ	0.20	U	0.20	U	0.20	UJ	0.20	UJ
N-MeFOSAA	2355-31-9	µg/kg	NS	NS	0.20	U	0.20	U	0.20	UJ	0.20	UJ	0.20	U	0.20	U	0.20	UJ	0.20	UJ
N-EtFOSAA	2991-50-6	µg/kg	NS	NS	0.20	U	0.20	U	0.20	UJ	0.20	UJ	0.20	U	0.20	U	0.20	UJ	0.20	UJ
N-Methyl perfluorooctane sulfonamido ethanol (NMeFOSE)	24448-09-7	µg/kg	NS	NS	2.0	UJ	2.0	U	2.0	UJ	2.0	UJ	2.0	U	2.0	U	2.0	UJ	2.0	UJ
N-Ethyl perfluorooctane sulfonamidoethanol (NEtFOSE)	1691-99-2	µg/kg	NS	NS	2.0	UJ	2.0	U	2.0	UJ	2.0	UJ	2.0	U	2.0	U	2.0	UJ	2.0	UJ
HFPO-DA (GenX)	13252-13-6	µg/kg	NS	NS	0.79	U	0.81	U	0.79	UJ	0.80	UJ	0.79	U	0.78	U	0.79	UJ	0.79	UJ
4,8-dioxa-3H-perfluorononanoic Acid (ADONA)	919005-14-4	µg/kg	NS	NS	0.79	U	0.81	U	0.79	UJ	0.80	UJ	0.79	U	0.78	U	0.79	UJ	0.79	UJ
9Cl-PF3ONS (F53B Major)	756426-58-1	µg/kg	NS	NS	0.79	U	0.81	U	0.79	UJ	0.80	UJ	0.79	U	0.78	U	0.79	UJ	0.79	UJ
11Cl-PF3OUdS (F53B Minor)	763051-92-9	µg/kg	NS	NS	0.79	U	0.81	U	0.79	UJ	0.80	UJ	0.79	U	0.78	U	0.79	UJ	0.79	UJ
3:3 Fluorotelomer carboxylic acid (3:3 FTCA)	356-02-5	µg/kg	NS	NS	2.000	U	2.0	U	0.99	UJ	0.99	UJ	2.0	U	2.0	U	0.99	UJ	0.99	UJ
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	914637-49-3	µg/kg	NS	NS	9.8	U	10	U	5.0	UJ	5.0	UJ	9.9	U	9.8	U	4.9	UJ	5.0	UJ
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	812-70-4	µg/kg	NS	NS	9.8	U	10	U	5.0	UJ	5.0	UJ	9.9	U	9.8	U	4.9	UJ	5.0	UJ
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	113507-82-7	µg/kg	NS	NS	0.39	U	0.41	U	0.40	UJ	0.40	UJ	0.40	U	0.39	U	0.40	UJ	0.40	UJ
Perfluoro-3-methoxypropanoic Acid (PFMPA)	377-73-1	µg/kg	NS	NS	0.39	U	0.41	U	0.40	UJ	0.40	UJ	0.40	U	0.39	U	0.40	UJ	0.40	UJ
Perfluoro(4-methoxybutanoic) Acid (PFMBA)	863090-89-5	µg/kg	NS	NS	0.39	U	0.41	U	0.40	UJ	0.40	UJ	0.40	U	0.39	U	0.40	UJ	0.40	UJ
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	151772-58-6	µg/kg	NS	NS	0.39	U	0.41	U	0.4	UJ	0.40	UJ	0.40	U	0.39	U	0.40	UJ	0.40	UJ

Notes:
B - Analyte is found in associated laboratory blank as well as in the sample
J - Estimated value.
NA - Sample not analyzed for the listed analyte.
NS - No NYSDEC standards exist for this analyte.
Shading indicates result above Restricted Use Residential SCO.
Shading indicates result above Unrestricted Use SCO.
TICs - Tentatively Identified Compounds.
R - Rejected data point.
U - Analyte was not detected at specified quantitation limit.
UJ - Estimated non-detect.
µg/kg - micrograms per kilogram (dry weight).
Values in **bold** indicate the analyte was detected.
* - New York State Department of Environmental Conservation, Soil Cleanup Objectives (SCOs).

Table 1G
New York State Department of Environmental Conservation
250 Water Street P-Site Site Characterization
New York, New York
Summary of Results of Analysis of Soil for Per-and Polyfluoroalkyl Substances

					SB105				**SB106**								**SB107**			
Sample Location:																				
Sample Name:					250WATERST-SB105-SS(2-4)		250WATERST-SB105-SS(13-15)		250WATERST-SB106-SO-(2-4)		250WATERST-DUP-1-20241217		250WATERST-SB106-SO-(10-12)				250WATERST-SB107-SS(2-4)		250WATERST-SB107-SS(13-15)	
Lab Sample ID:					23G1751-03		23G1751-04		24L1652-17		24L1652-25		24L1652-21				23G2331-01		23G2331-02	
Sample Depth:					2-4 ft		13-15 ft		2-4 ft		2-4 ft		10-12 ft				2-4 ft		13-15 ft	
Sample Date:					7/12/2023		7/12/2023		12/17/2024		12/17/2024		12/17/2024				7/17/2023		7/17/2023	
			NYSDEC SCOs*								Field Dup									
Per-and Polyfluoroalkyl Substances (PFAS)	CAS #	Unit	Unrestricted Use	Restricted Residential Use																
Perfluorobutanoic Acid (PFBA)	375-22-4	µg/kg	NS	NS	0.81	U	0.80	U	0.78	UJ	0.79	UJ	0.79	UJ			0.8	U	0.80	U
Perfluoropentanoic Acid (PFPeA)	2706-90-3	µg/kg	NS	NS	**0.1**	**J**	**0.029**	**J**	0.39	UJ	0.40	UJ	0.39	UJ			**0.050**	**J**	**0.03**	**J**
Perfluorohexanoic Acid (PFHxA)	307-24-4	µg/kg	NS	NS	**0.059**	**J**	0.20	U	0.19	UJ	0.20	UJ	0.20	UJ			**0.022**	**J**	0.20	U
Perfluoroheptanoic Acid (PFHpA)	375-85-9	µg/kg	NS	NS	**0.057**	**J**	0.20	U	0.19	UJ	0.20	UJ	0.20	UJ			**0.020**	**J**	0.20	U
Perfluorooctanoic Acid (PFOA)	335-67-1	µg/kg	0.66	33	**0.26**		**0.059**	**J**	**0.14**	**J**	**0.11**	**J**	**0.096**	**J**			**0.21**		0.20	U
Perfluorononanoic Acid (PFNA)	375-95-1	µg/kg	NS	NS	0.20	U	0.20	U	0.19	UJ	0.20	UJ	0.20	UJ			**0.13**	**J**	0.20	U
Perfluorodecanoic Acid (PFDA)	335-76-2	µg/kg	NS	NS	0.20	U	0.20	U	0.19	UJ	0.20	UJ	0.20	UJ			**0.020**	**J**	0.20	U
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	µg/kg	NS	NS	0.20	U	0.20	U	0.19	UJ	0.20	UJ	0.20	UJ			0.20	U	0.20	U
Perfluorododecanoic Acid (PFDoA)	307-55-1	µg/kg	NS	NS	0.20	U	0.20	U	0.19	UJ	0.20	UJ	0.20	UJ			0.20	U	0.20	U
Perfluorotridecanoic Acid (PFTriA)	72629-94-8	µg/kg	NS	NS	0.20	U	0.20	U	0.19	UJ	0.20	UJ	0.20	UJ			0.20	U	0.20	U
Perfluorotetradecanoic Acid (PFTeA)	376-06-7	µg/kg	NS	NS	0.20	U	0.20	U	0.19	UJ	0.20	UJ	0.20	UJ			0.20	U	0.20	U
Perfluorobutanesulfonic Acid (PFBS)	375-73-5	µg/kg	NS	NS	**0.28**		0.20	U	0.19	UJ	0.20	UJ	0.20	UJ			0.20	U	0.20	U
Perfluoropentanesulfonic Acid (PFPeS)	2706-91-4	µg/kg	NS	NS	**0.063**	**J**	0.20	U	0.19	UJ	0.20	UJ	0.20	UJ			0.20	U	0.20	U
Perfluorohexanesulfonic Acid (PFHxS)	355-46-4	µg/kg	NS	NS	**0.13**	**J**	0.20	U	0.19	UJ	0.20	UJ	0.20	UJ			0.20	U	0.20	U
Perfluoroheptanesulfonic Acid (PFHpS)	375-92-8	µg/kg	NS	NS	0.20	U	0.20	U	0.19	UJ	0.20	UJ	0.20	UJ			0.20	U	0.20	U
Perfluorooctanesulfonic Acid (PFOS)	1763-23-1	µg/kg	0.88	44	**0.056**	**J**	0.20	U	**0.16**	**J**	**0.14**	**J**	0.20	UJ			**1.6**		0.20	U
Perfluorononanesulfonic Acid (PFNS)	68259-12-1	µg/kg	NS	NS	0.20	U	0.20	U	0.19	UJ	0.20	UJ	0.20	UJ			0.20	U	0.20	U
Perfluorodecanesulfonic Acid (PFDS)	335-77-3	µg/kg	NS	NS	0.20	U	0.20	U	0.19	UJ	0.20	UJ	0.20	UJ			0.20	U	0.20	U
Perfluorododecane sulfonic acid (PFDoS)	79780-39-5	µg/kg	NS	NS	0.20	U	0.20	U	0.19	UJ	0.20	UJ	0.20	UJ			0.20	U	0.20	U
4:2 Fluorotelomer Sulfonate (4:2 FTS)	757124-72-4	µg/kg	NS	NS	0.81	U	0.80	U	0.78	UJ	0.79	UJ	0.79	UJ			0.80	U	0.80	U
6:2 Fluorotelomer Sulfonate (6:2 FTS)	27619-97-2	µg/kg	NS	NS	0.81	U	0.80	U	0.78	UJ	0.79	UJ	0.79	UJ			0.80	U	0.80	U
8:2 Fluorotelomer Sulfonate (8:2 FTS)	39108-34-4	µg/kg	NS	NS	0.81	U	0.80	U	0.78	UJ	0.79	UJ	0.79	UJ			0.80	U	0.80	U
Perfluorooctane Sulfonamide (FOSA)	754-91-6	µg/kg	NS	NS	0.20	U	0.20	U	0.19	UJ	0.20	UJ	0.20	UJ			0.20	U	0.20	U
N-Methylperfluorooctane sulfonamide (NMeFOSA)	31506-32-8	µg/kg	NS	NS	0.20	U	0.20	UJ	0.19	UJ	0.20	UJ	0.20	UJ			0.20	U	0.20	U
N-Ethylperfluorooctane sulfonamide (NEtFOSA)	4151-50-2	µg/kg	NS	NS	0.20	U	0.20	UJ	0.19	UJ	0.20	UJ	0.20	UJ			0.20	U	0.20	U
N-MeFOSAA	2355-31-9	µg/kg	NS	NS	0.20	U	0.20	U	0.19	UJ	0.20	UJ	0.20	UJ			0.20	U	0.20	U
N-EtFOSAA	2991-50-6	µg/kg	NS	NS	0.20	U	0.20	U	0.19	UJ	0.20	UJ	0.20	UJ			0.20	U	0.20	U
N-Methyl perfluorooctane sulfonamido ethanol (NMeFOSE)	24448-09-7	µg/kg	NS	NS	2.0	U	2.0	U	1.9	UJ	2.0	UJ	2.0	UJ			2.0	U	2.0	U
N-Ethyl perfluorooctane sulfonamidoethanol (NEtFOSE)	1691-99-2	µg/kg	NS	NS	2.0	U	2.0	U	1.9	UJ	2.0	UJ	2.0	UJ			2.0	U	2.0	U
HFPO-DA (GenX)	13252-13-6	µg/kg	NS	NS	0.81	U	0.80	U	0.78	UJ	0.79	UJ	0.79	UJ			0.80	U	0.80	U
4,8-dioxa-3H-perfluorononanoic Acid (ADONA)	919005-14-4	µg/kg	NS	NS	0.81	U	0.80	U	0.78	UJ	0.79	UJ	0.79	UJ			0.80	U	0.80	U
9Cl-PF3ONS (F53B Major)	756426-58-1	µg/kg	NS	NS	0.81	U	0.80	U	0.78	UJ	0.79	UJ	0.79	UJ			0.80	U	0.80	U
11Cl-PF3OUdS (F53B Minor)	763051-92-9	µg/kg	NS	NS	0.81	U	0.80	U	0.78	UJ	0.79	UJ	0.79	UJ			0.80	U	0.80	U
3:3 Fluorotelomer carboxylic acid (3:3 FTCA)	356-02-5	µg/kg	NS	NS	2.0	U	2.0	U	0.97	UJ	0.99	UJ	0.99	UJ			2.0	U	2.0	U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	914637-49-3	µg/kg	NS	NS	10	U	10	U	4.8	UJ	5.0	UJ	4.9	UJ			10	U	10	U
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	812-70-4	µg/kg	NS	NS	10	U	10	U	4.8	UJ	5.0	UJ	4.9	UJ			10	U	10	U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	113507-82-7	µg/kg	NS	NS	0.40	U	0.40	U	0.39	UJ	0.40	UJ	0.39	UJ			0.40	U	0.40	U
Perfluoro-3-methoxypropanoic Acid (PFMPA)	377-73-1	µg/kg	NS	NS	0.40	U	0.40	U	0.39	UJ	0.40	UJ	0.39	UJ			0.40	U	0.40	U
Perfluoro(4-methoxybutanoic) Acid (PFMBA)	863090-89-5	µg/kg	NS	NS	0.40	U	0.40	U	0.39	UJ	0.40	UJ	0.39	UJ			0.40	U	0.40	U
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	151772-58-6	µg/kg	NS	NS	0.40	U	0.40	U	0.39	UJ	0.40	UJ	0.39	UJ			0.40	U	0.40	U

Notes:
B - Analyte is found in associated laboratory blank as well as in the sample
J - Estimated value.
NA - Sample not analyzed for the listed analyte.
NS - No NYSDEC standards exist for this analyte.
Shading indicates result above Restricted Use Residential SCO.
Shading indicates result above Unrestricted Use SCO.
TICs - Tentatively Identified Compounds.
R - Rejected data point.
U - Analyte was not detected at specified quantitation limit.
UJ - Estimated non-detect.
µg/kg - micrograms per kilogram (dry weight).
Values in **bold** indicate the analyte was detected.
* - New York State Department of Environmental Conservation, Soil Cleanup Objectives (SCOs).

Table 1G
New York State Department of Environmental Conservation
250 Water Street P-Site Site Characterization
New York, New York
Summary of Results of Analysis of Soil for Per-and Polyfluoroalkyl Substances

					SB108				**SB109**								**SB110**	
Sample Location:																		
Sample Name:					250WATERST-SB108-SS(2-4)		250WATERST-SB108-SS(11-13)		250WATERST-SB109-SO-(2-4)		250WATERST-SS-DUP		250WATERST-SB109-SO-(10-12)		250WATERST-SB109-SO-(20-22)		250WATERST-SB110-SO-(2-4)	
Lab Sample ID:					23G1942-04		23G1942-05		23G1820-01		23G1820-05		23G1820-02		23G1820-03		23G1820-04	
Sample Depth:					2-4 ft		11-13 ft		2-4 ft		2-4 ft		10-12 ft		20-22 ft		2-4 ft	
Sample Date:					7/14/2023		7/14/2023		7/13/2023		7/13/2023 Field Dup		7/13/2023		7/13/2023		7/13/2023	
			NYSDEC SCOs*															
Per-and Polyfluoroalkyl Substances (PFAS)	CAS #	Unit	Unrestricted Use	Restricted Residential Use														
Perfluorobutanoic Acid (PFBA)	375-22-4	µg/kg	NS	NS	0.80	U	0.81	U	0.79	U	0.81	U	0.80	U	0.78	U	0.78	U
Perfluoropentanoic Acid (PFPeA)	2706-90-3	µg/kg	NS	NS	**0.054**	**J**	**0.035**	**J**	**0.045**	**J**	**0.043**	**J**	0.40	U	0.39	U	0.39	U
Perfluorohexanoic Acid (PFHxA)	307-24-4	µg/kg	NS	NS	**0.022**	**J**	**0.015**	**J**	**0.034**	**J**	**0.02**	**J**	**0.024**	**J**	0.19	U	0.20	U
Perfluoroheptanoic Acid (PFHpA)	375-85-9	µg/kg	NS	NS	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.19	U	0.20	U
Perfluorooctanoic Acid (PFOA)	335-67-1	µg/kg	0.66	33	**0.093**	**J**	**0.038**	**J**	**0.032**	**J**	0.20	U	0.20	U	0.19	U	0.20	U
Perfluorononanoic Acid (PFNA)	375-95-1	µg/kg	NS	NS	**0.03**	**J**	0.20	U	0.20	U	0.20	U	0.20	U	0.19	U	0.20	U
Perfluorodecanoic Acid (PFDA)	335-76-2	µg/kg	NS	NS	**0.025**	**J**	**0.029**	**J**	**0.041**	**J**	0.20	U	0.20	U	0.19	U	0.20	U
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	µg/kg	NS	NS	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.19	U	0.20	U
Perfluorododecanoic Acid (PFDoA)	307-55-1	µg/kg	NS	NS	0.20	U	0.20	U	**0.049**	**J**	**0.04**	**J**	0.20	U	0.19	U	0.20	U
Perfluorotridecanoic Acid (PFTriA)	72629-94-8	µg/kg	NS	NS	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.19	U	0.20	U
Perfluorotetradecanoic Acid (PFTeA)	376-06-7	µg/kg	NS	NS	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.19	U	0.20	U
Perfluorobutanesulfonic Acid (PFBS)	375-73-5	µg/kg	NS	NS	0.20	U	0.20	U	**0.12**	**J**	**0.033**	**J**	0.20	U	0.19	U	0.20	U
Perfluoropentanesulfonic Acid (PFPeS)	2706-91-4	µg/kg	NS	NS	0.20	U	0.20	U	**0.031**	**J**	0.20	U	0.20	U	0.19	U	0.20	U
Perfluorohexanesulfonic Acid (PFHxS)	355-46-4	µg/kg	NS	NS	0.20	U	0.20	U	**0.045**	**J**	0.20	U	0.20	U	0.19	U	0.20	U
Perfluoroheptanesulfonic Acid (PFHpS)	375-92-8	µg/kg	NS	NS	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.19	U	0.20	U
Perfluorooctanesulfonic Acid (PFOS)	1763-23-1	µg/kg	0.88	44	**0.29**		**0.46**		**0.17**	**J**	**0.082**	**J**	**0.057**	**J**	0.19	U	0.20	U
Perfluorononanesulfonic Acid (PFNS)	68259-12-1	µg/kg	NS	NS	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.19	U	0.20	U
Perfluorodecanesulfonic Acid (PFDS)	335-77-3	µg/kg	NS	NS	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.19	U	0.20	U
Perfluorododecane sulfonic acid (PFDoS)	79780-39-5	µg/kg	NS	NS	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.19	U	0.20	U
4:2 Fluorotelomer Sulfonate (4:2 FTS)	757124-72-4	µg/kg	NS	NS	0.80	U	0.81	U	0.79	U	0.81	U	0.80	U	0.78	U	0.78	U
6:2 Fluorotelomer Sulfonate (6:2 FTS)	27619-97-2	µg/kg	NS	NS	0.80	U	0.81	U	0.79	U	0.81	U	0.80	U	0.78	U	0.78	U
8:2 Fluorotelomer Sulfonate (8:2 FTS)	39108-34-4	µg/kg	NS	NS	0.80	U	0.81	U	0.79	U	0.81	U	0.80	U	0.78	U	0.78	U
Perfluorooctane Sulfonamide (FOSA)	754-91-6	µg/kg	NS	NS	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.19	U	0.20	U
N-Methylperfluorooctane sulfonamide (NMeFOSA)	31506-32-8	µg/kg	NS	NS	0.20	UJ	0.20	U	0.20	UJ	0.20	U	0.20	UJ	0.19	UJ	0.20	UJ
N-Ethylperfluorooctane sulfonamide (NEtFOSA)	4151-50-2	µg/kg	NS	NS		R	0.20	UJ	0.20	UJ	0.20	U	0.20	UJ	0.19	UJ	0.20	UJ
N-MeFOSAA	2355-31-9	µg/kg	NS	NS	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.19	U	0.20	U
N-EtFOSAA	2991-50-6	µg/kg	NS	NS	0.20	U	**0.13**	**J**	0.20	U	0.20	U	0.20	U	0.19	U	0.20	U
N-Methyl perfluorooctane sulfonamido ethanol (NMeFOSE)	24448-09-7	µg/kg	NS	NS	2.0	UJ	2.0	U	2.0	U	2.0	U	2.0	UJ	1.9	U	2.0	UJ
N-Ethyl perfluorooctane sulfonamidoethanol (NEtFOSE)	1691-99-2	µg/kg	NS	NS	2.0	UJ	2.0	U	2.0	U	2.0	U	2.0	U	1.9	U	2.0	U
HFPO-DA (GenX)	13252-13-6	µg/kg	NS	NS	0.80	U	0.81	U	0.79	U	0.81	U	0.80	U	0.78	U	0.78	U
4,8-dioxa-3H-perfluorononanoic Acid (ADONA)	919005-14-4	µg/kg	NS	NS	0.80	U	0.81	U	0.79	U	0.81	U	0.80	U	0.78	U	0.78	U
9Cl-PF3ONS (F53B Major)	756426-58-1	µg/kg	NS	NS	0.80	U	0.81	U	0.79	U	0.81	U	0.80	U	0.78	U	0.78	U
11Cl-PF3OUdS (F53B Minor)	763051-92-9	µg/kg	NS	NS	0.80	U	0.81	U	0.79	U	0.81	U	0.80	U	0.78	U	0.78	U
3:3 Fluorotelomer carboxylic acid (3:3 FTCA)	356-02-5	µg/kg	NS	NS	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	1.9	U	2.0	U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	914637-49-3	µg/kg	NS	NS	10	U	10	U	9.9	U	10	U	10	U	9.7	U	9.8	U
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	812-70-4	µg/kg	NS	NS	10	U	10	U	9.9	U	10	U	10	U	9.7	U	9.8	U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	113507-82-7	µg/kg	NS	NS	0.40	U	0.41	U	0.40	U	0.40	U	0.40	U	0.39	U	0.39	U
Perfluoro-3-methoxypropanoic Acid (PFMPA)	377-73-1	µg/kg	NS	NS	0.40	U	0.41	U	0.40	U	0.40	U	0.40	U	0.39	U	0.39	U
Perfluoro(4-methoxybutanoic) Acid (PFMBA)	863090-89-5	µg/kg	NS	NS	0.40	U	0.41	U	0.40	U	0.40	U	0.40	U	0.39	U	0.39	U
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	151772-58-6	µg/kg	NS	NS	0.40	U	0.41	U	0.40	U	0.40	U	0.40	U	0.39	U	0.39	U

Notes:
B - Analyte is found in associated laboratory blank as well as in the sample
J - Estimated value.
NA - Sample not analyzed for the listed analyte.
NS - No NYSDEC standards exist for this analyte.
Shading indicates result above Restricted Use Residential SCO.
Shading indicates result above Unrestricted Use SCO.
TICs - Tentatively Identified Compounds.
R - Rejected data point.
U - Analyte was not detected at specified quantitation limit.
UJ - Estimated non-detect.
µg/kg - micrograms per kilogram (dry weight).
Values in **bold** indicate the analyte was detected.
* - New York State Department of Environmental Conservation, Soil Cleanup Objectives (SCOs).

Table 1G
New York State Department of Environmental Conservation
250 Water Street P-Site Site Characterization
New York, New York
Summary of Results of Analysis of Soil for Per-and Polyfluoroalkyl Substances

					SB111								SB112			
Sample Location:																
Sample Name:					250WATERST-SB111-SS(2-4)		250WATERST-SS-DUP-20230714		250WATERST-SB111-SS(8-10)		250WATERST-SB111-SS(22-24)		250WATERST-SB112-SS(2-4)		250WATERST-SB112-SS(8-10)	
Lab Sample ID:					23G1942-01		23G1942-08		23G1942-02		23G1942-03		23G1942-06		23G1942-07	
Sample Depth:					2-4 ft		2-4 ft		8-10 ft		22-24 ft		2-4 ft		8-10 ft	
Sample Date:					7/14/2023		7/14/2023		7/14/2023		7/14/2023		7/14/2023		7/14/2023	
			NYSDEC SCOs*				Field Dup									
Per-and Polyfluoroalkyl Substances (PFAS)	CAS #	Unit	Unrestricted Use	Restricted Residential Use												
Perfluorobutanoic Acid (PFBA)	375-22-4	µg/kg	NS	NS	0.79	U	0.81	U	0.81	U	0.80	U	0.78	U	0.78	U
Perfluoropentanoic Acid (PFPeA)	2706-90-3	µg/kg	NS	NS	0.40	U	**0.047**	**J**	**0.044**	**J**	**0.03**	**J**	**0.048**	**J**	**0.031**	**J**
Perfluorohexanoic Acid (PFHxA)	307-24-4	µg/kg	NS	NS	0.20	U	0.20	U	0.20	U	0.20	U	**0.015**	**J**	0.20	U
Perfluoroheptanoic Acid (PFHpA)	375-85-9	µg/kg	NS	NS	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Perfluorooctanoic Acid (PFOA)	335-67-1	µg/kg	0.66	33	**0.034**	**J**	**0.036**	**J**	0.20	U	0.20	U	0.20	U	0.20	U
Perfluorononanoic Acid (PFNA)	375-95-1	µg/kg	NS	NS	**0.48**		**0.35**		**0.11**	**J**	0.20	U	0.20	U	0.20	U
Perfluorodecanoic Acid (PFDA)	335-76-2	µg/kg	NS	NS	**0.055**	**J**	**0.046**	**J**	0.20	U	0.20	U	**0.22**		**0.024**	**J**
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	µg/kg	NS	NS	**0.28**		**0.14**	**J**	0.20	U	0.20	U	**0.077**	**J**	0.20	U
Perfluorododecanoic Acid (PFDoA)	307-55-1	µg/kg	NS	NS	0.20	U	0.20	U	0.20	U	0.20	U	**0.058**	**J**	0.20	U
Perfluorotridecanoic Acid (PFTriA)	72629-94-8	µg/kg	NS	NS	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Perfluorotetradecanoic Acid (PFTeA)	376-06-7	µg/kg	NS	NS	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Perfluorobutanesulfonic Acid (PFBS)	375-73-5	µg/kg	NS	NS	0.20	U	**0.021**	**J**	0.20	U	0.20	U	0.20	U	0.20	U
Perfluoropentanesulfonic Acid (PFPeS)	2706-91-4	µg/kg	NS	NS	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Perfluorohexanesulfonic Acid (PFHxS)	355-46-4	µg/kg	NS	NS	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Perfluoroheptanesulfonic Acid (PFHpS)	375-92-8	µg/kg	NS	NS	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Perfluorooctanesulfonic Acid (PFOS)	1763-23-1	µg/kg	0.88	44	**0.19**	**J**	**0.18**	**J**	**0.13**	**J**	0.20	U	**0.13**	**J**	**0.063**	**J**
Perfluorononanesulfonic Acid (PFNS)	68259-12-1	µg/kg	NS	NS	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Perfluorodecanesulfonic Acid (PFDS)	335-77-3	µg/kg	NS	NS	0.20	U	0.20	U	0.20	U	0.20	U	**0.1**	**J**	0.20	U
Perfluorododecane sulfonic acid (PFDoS)	79780-39-5	µg/kg	NS	NS	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
4:2 Fluorotelomer Sulfonate (4:2 FTS)	757124-72-4	µg/kg	NS	NS	0.79	U	0.81	U	0.81	U	0.80	U	0.78	U	0.78	U
6:2 Fluorotelomer Sulfonate (6:2 FTS)	27619-97-2	µg/kg	NS	NS	0.79	U	0.81	U	0.81	U	0.80	U	0.78	U	0.78	U
8:2 Fluorotelomer Sulfonate (8:2 FTS)	39108-34-4	µg/kg	NS	NS	0.79	U	0.81	U	0.81	U	0.80	U	0.78	U	0.78	U
Perfluorooctane Sulfonamide (FOSA)	754-91-6	µg/kg	NS	NS	0.20	U	0.20	U	0.2	U	0.20	U	0.20	U	0.20	U
N-Methylperfluorooctane sulfonamide (NMeFOSA)	31506-32-8	µg/kg	NS	NS	0.20	UJ		R		R	0.20	UJ	0.20	UJ	0.20	U
N-Ethylperfluorooctane sulfonamide (NEtFOSA)	4151-50-2	µg/kg	NS	NS	0.20	UJ		R		R	0.20	UJ		R	0.20	U
N-MeFOSAA	2355-31-9	µg/kg	NS	NS	**0.049**	**J**	0.2	U	0.2	U	0.20	U	0.20	U	0.20	U
N-EtFOSAA	2991-50-6	µg/kg	NS	NS	**0.069**	**J**	**0.064**	**J**	**0.045**	**J**	0.20	U	0.20	U	0.20	U
N-Methyl perfluorooctane sulfonamido ethanol (NMeFOSE)	24448-09-7	µg/kg	NS	NS	2.0	UJ	2.0	UJ	2.0	UJ	2.0	U	2.0	UJ	2.0	U
N-Ethyl perfluorooctane sulfonamidoethanol (NEtFOSE)	1691-99-2	µg/kg	NS	NS	2.0	UJ	2.0	UJ		R	2.0	UJ	2.0	UJ	2.0	U
HFPO-DA (GenX)	13252-13-6	µg/kg	NS	NS	0.79	U	0.81	U	0.81	U	0.80	U	0.78	U	0.78	U
4,8-dioxa-3H-perfluorononanoic Acid (ADONA)	919005-14-4	µg/kg	NS	NS	0.79	U	0.81	U	0.81	U	0.80	U	0.78	U	0.78	U
9Cl-PF3ONS (F53B Major)	756426-58-1	µg/kg	NS	NS	0.79	U	0.81	U	0.81	U	0.80	U	0.78	U	0.78	U
11Cl-PF3OUdS (F53B Minor)	763051-92-9	µg/kg	NS	NS	0.79	U	0.81	U	0.81	U	0.80	U	0.78	U	0.78	U
3:3 Fluorotelomer carboxylic acid (3:3 FTCA)	356-02-5	µg/kg	NS	NS	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	914637-49-3	µg/kg	NS	NS	9.9	U	10	U	10	U	10	U	9.8	U	9.8	U
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	812-70-4	µg/kg	NS	NS	9.9	U	10	U	10	U	10	U	9.8	U	9.8	U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	113507-82-7	µg/kg	NS	NS	0.40	U	0.40	U	0.40	U	0.40	U	0.39	U	0.39	U
Perfluoro-3-methoxypropanoic Acid (PFMPA)	377-73-1	µg/kg	NS	NS	0.40	U	0.40	U	0.40	U	0.40	U	0.39	U	0.39	U
Perfluoro(4-methoxybutanoic) Acid (PFMBA)	863090-89-5	µg/kg	NS	NS	0.40	U	0.40	U	0.40	U	0.40	U	0.39	U	0.39	U
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	151772-58-6	µg/kg	NS	NS	0.40	U	0.40	U	0.40	U	0.40	U	0.39	U	0.39	U

Notes:
B - Analyte is found in associated laboratory blank as well as in the sample
J - Estimated value.
NA - Sample not analyzed for the listed analyte.
NS - No NYSDEC standards exist for this analyte.
Shading indicates result above Restricted Use Residential SCO.
Shading indicates result above Unrestricted Use SCO.
TICs - Tentatively Identified Compounds.
R - Rejected data point.
U - Analyte was not detected at specified quantitation limit.
UJ - Estimated non-detect.
µg/kg - micrograms per kilogram (dry weight).
Values in **bold** indicate the analyte was detected.
* - New York State Department of Environmental Conservation, Soil Cleanup Objectives (SCOs).

Table 2A
New York State Department of Environmental Conservation
250 Water Street P-Site Site Characterization
New York, New York
Summary of Results of Analysis Groundwater for Volatile Organic Compounds

			Sample Location:	MW1			MW3		MW3		MW4		
			Sample Name:	250WATERST-MW1-WG	250WATERST-MW1-WG	250WATERST-DUP-WG-20231121	250WATERST-MW2-WG	250WATERST-MW2-WG	250WATERST-MW3-WG	250WATERST-MW3-WG	250WATERST-MW4-WG	250WATERST-DUP-WG-20230802	250WATERST-MW4-WG
			Lab Sample ID:	23H0919-01	23K2925-01	23K2925-05	23H0919-02	23K2925-02	23H0919-03	23K2925-03	23H0919-04	23H0919-05	23K2925-04
			Sample Date:	8/2/2023	11/21/2023	11/21/2023	8/2/2023	11/21/2023	8/2/2023	11/21/2023	8/2/2023	8/2/2023	11/21/2023
Volatile Organic Compounds (VOCs)	CAS #	Unit	Class GA Values*			Field Dup						Field Dup	
Acetone	67-64-1	µg/L	50	50 U	50 U	50 U	**4.2 J**	50 U	50 U	50 U	50 U	50 U	50 U
Benzene	71-43-2	µg/L	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**0.56 J**	**0.48 J**	1.0 U
Bromochloromethane	74-97-5	µg/L	5	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 UJ	1.0 U
Bromodichloromethane	75-27-4	µg/L	50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromoform	75-25-2	µg/L	50	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane	74-83-9	µg/L	5	2.0 UJ	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 UJ	2.0 U	2.0 UJ	2.0 UJ	2.0 U
2-Butanone (MEK)	78-93-3	µg/L	50	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Carbon Disulfide	75-15-0	µg/L	60	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon Tetrachloride	56-23-5	µg/L	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	108-90-7	µg/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorodibromomethane	124-48-1	µg/L	50	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	75-00-3	µg/L	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chloroform	67-66-3	µg/L	7	**2.1**	**4.3**	**5.0**	**0.60 J**	**0.88 J**	2.0 U	2.0 U	2 U	2.0 U	2.0 U
Chloromethane	74-87-3	µg/L	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Cyclohexane	110-82-7	µg/L	NC	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	**29**	**27**	5.0 U
1,2-Dibromo-3-Chloropropane (DBCP)	96-12-8	µg/L	0.04	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dibromoethane	106-93-4	µg/L	0.0006	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichlorobenzene	95-50-1	µg/L	3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	541-73-1	µg/L	3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	106-46-7	µg/L	3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane (Freon 12)	75-71-8	µg/L	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,1-Dichloroethane	75-34-3	µg/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	107-06-2	µg/L	0.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethylene	75-35-4	µg/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethylene	156-59-2	µg/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethylene	156-60-5	µg/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	78-87-5	µg/L	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	10061-01-5	µg/L	0.4(a)	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,3-Dichloropropene	10061-02-6	µg/L	0.4(a)	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,4-Dioxane	123-91-1	µg/L	0.35[(1)]	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ
Ethyl Benzene	100-41-4	µg/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Hexanone (MBK)	591-78-6	µg/L	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isopropylbenzene (Cumene)	98-82-8	µg/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**7.1**	**6.8**	**0.33 J**
Methyl Acetate	79-20-9	µg/L	NC	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U

Notes:

(1) - Proposed Class GA Value for 1,4-Dioxane is in the NYSDEC Guidance Document titled "2021 Addendum to June 1998 Division of Water Technical and Operational Guidance Series (TOGS) No. 1.1.1" and in the proposed revision to TOGS 1.1.1. ("Proposed Class GA Values").

(a) - Criteria applicable to the sum of the cis and trans isomers.

* - NYSDEC Ambient Water Quality Standards and Guidance Values for Class GA Water.

J - Estimated value.

N - Indicates presumptive evidence of a compound (for organics).

NA - Sample not analyzed for the listed analyte.

NC - No NYSDEC Class GA Value exists for this analyte.

TICs- Tentatively Identified Compounds.

U - Analyte was not detected at specified quantitation limit.

UJ - Estimated non-detect.

µg/L - micrograms per liter.

Values in **bold** indicate the analyte was detected.

Values shown in bold and shaded type exceed the listed NYSDEC standards.

Table 2A
New York State Department of Environmental Conservation
250 Water Street P-Site Site Characterization
New York, New York
Summary of Results of Analysis Groundwater for Volatile Organic Compounds

			Sample Location:	MW1			MW3		MW3		MW4		
			Sample Name:	250WATERST-MW1-WG	250WATERST-MW1-WG	250WATERST-DUP-WG-20231121	250WATERST-MW2-WG	250WATERST-MW2-WG	250WATERST-MW3-WG	250WATERST-MW3-WG	250WATERST-MW4-WG	250WATERST-DUP-WG-20230802	250WATERST-MW4-WG
			Lab Sample ID:	23H0919-01	23K2925-01	23K2925-05	23H0919-02	23K2925-02	23H0919-03	23K2925-03	23H0919-04	23H0919-05	23K2925-04
			Sample Date:	8/2/2023	11/21/2023	11/21/2023	8/2/2023	11/21/2023	8/2/2023	11/21/2023	8/2/2023	8/2/2023	11/21/2023
Volatile Organic Compounds (VOCs)	CAS #	Unit	Class GA Values*			Field Dup						Field Dup	
Methyl tert-Butyl Ether (MTBE)	1634-04-4	µg/L	10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl Cyclohexane	108-87-2	µg/L	NC	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**27**	**25**	**0.27 J**
Methylene Chloride	75-09-2	µg/L	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone (MIBK)	108-10-1	µg/L	NC	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	100-42-5	µg/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	79-34-5	µg/L	5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Tetrachloroethylene	127-18-4	µg/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	108-88-3	µg/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,3-Trichlorobenzene	87-61-6	µg/L	5	5.0 UJ	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 UJ	5.0 UJ	5.0 U
1,2,4-Trichlorobenzene	120-82-1	µg/L	5	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 UJ	1.0 U
1,1,1-Trichloroethane	71-55-6	µg/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	79-00-5	µg/L	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethylene	79-01-6	µg/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane (Freon 11)	75-69-4	µg/L	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	76-13-1	µg/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl Chloride	75-01-4	µg/L	2	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Xylenes (total)	1330-20-7	µg/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
TICs													
1-Ethenyl-3-Ethylbenzene	7525-62-4	µg/L	NC	NA	NA	NA	NA	NA	NA	NA	**15 N**	**15 N**	NA

Notes:

(1) - Proposed Class GA Value for 1,4-Dioxane is in the NYSDEC Guidance Document titled "2021 Addendum to June 1998 Division of Water Technical and Operational Guidance Series (TOGS) No. 1.1.1" and in the proposed revision to TOGS 1.1.1. ("Proposed Class GA Values").

(a) - Criteria applicable to the sum of the cis and trans isomers.

* - NYSDEC Ambient Water Quality Standards and Guidance Values for Class GA Water.

J - Estimated value.

N - Indicates presumptive evidence of a compound (for organics).

NA - Sample not analyzed for the listed analyte.

NC - No NYSDEC Class GA Value exists for this analyte.

TICs- Tentatively Identified Compounds.

U - Analyte was not detected at specified quantitation limit.

UJ - Estimated non-detect.

µg/L - micrograms per liter.

Values in **bold** indicate the analyte was detected.

Values shown in bold and shaded type exceed the listed NYSDEC standards.

Table 2B
New York State Department of Environmental Conservation
250 Water Street P-Site Site Characterization
New York, New York
Summary of Results of Analysis of Groundwater for Semivolatile Organic Compounds

			Sample Location:	MW1			MW2		MW3		MW4		
			Sample Name:	250WATERST-MW1-WG	250WATERST-MW1-WG	250WATERST-DUP-WG-20231121	250WATERST-MW2-WG	250WATERST-MW2-WG	250WATERST-MW3-WG	250WATERST-MW3-WG	250WATERST-MW4-WG	250WATERST-DUP-WG-20230802	250WATERST-MW4-WG
			Lab Sample ID:	23H0919-01	23K2925-01	23K2925-05	23H0919-02	23K2925-02	23H0919-03	23K2925-03	23H0919-04	23H0919-05	23K2925-04
			Sample Date:	8/2/2023	11/21/2023	11/21/2023	8/2/2023	11/21/2023	8/2/2023	11/21/2023	8/2/2023	8/2/2023	11/21/2023
Semivolatile Organic Compounds (SVOCs)	CAS #	Unit	Class GA Values*			Field Dup						Field Dup	
Atrazine	1912-24-9	µg/L	7.5	19 U	20 U	18 U	18 U	19 U	19 U	18 U	18 U	19 U	22 U
Benzaldehyde	100-52-7	µg/L	NC	9.4 U	9.9 UJ	9.0 UJ	9.0 U	9.5 UJ	9.7 U	9.0 UJ	9.2 U	9.3 U	11 UJ
1,1'-Biphenyl	92-52-4	µg/L	5	19 U	20 U	18 U	18 U	19 U	19 U	18 U	18 U	19 U	22 U
Caprolactam	105-60-2	µg/L	NC	**5.9 J**	9.9 UJ	9.0 UJ	9.0 UJ	9.5 UJ	**10**	9.0 UJ	9.2 U	**2.6 J**	11 UJ
Acenaphthene	83-32-9	µg/L	20	4.7 U	5.0 U	4.5 U	4.5 U	4.7 U	4.9 U	4.5 U	4.6 U	4.6 U	5.6 U
Acenaphthylene	208-96-8	µg/L	NC	4.7 U	5.0 U	4.5 U	4.5 U	4.7 U	4.9 U	4.5 U	4.6 U	4.6 U	5.6 U
Acetophenone	98-86-2	µg/L	NC	9.4 U	9.9 U	9.0 U	9.0 U	9.5 U	9.7 U	9.0 U	9.2 U	9.3 U	11 U
Anthracene	120-12-7	µg/L	50	4.7 U	5.0 U	4.5 U	4.5 U	4.7 U	4.9 U	4.5 U	4.6 U	4.6 U	5.6 U
Benzo(a)anthracene	56-55-3	µg/L	0.002	4.7 U	5.0 U	4.5 U	4.5 U	4.7 U	4.9 U	4.5 U	4.6 U	4.6 U	5.6 U
Benzo(a)pyrene	50-32-8	µg/L	0	4.7 U	5.0 U	4.5 U	4.5 U	4.7 U	4.9 U	4.5 U	4.6 U	4.6 U	5.6 U
Benzo(b)fluoranthene	205-99-2	µg/L	0.002	4.7 U	5.0 U	4.5 U	4.5 U	4.7 U	4.9 U	4.5 U	4.6 U	4.6 U	5.6 U
Benzo(g,h,i)perylene	191-24-2	µg/L	NC	4.7 U	5.0 U	4.5 U	4.5 U	4.7 U	4.9 U	4.5 U	4.6 U	4.6 U	5.6 U
Benzo(k)fluoranthene	207-08-9	µg/L	0.002	4.7 U	5.0 U	4.5 U	4.5 U	4.7 U	4.9 U	4.5 U	4.6 U	4.6 U	5.6 U
Bis(2-chloroethoxy)methane	111-91-1	µg/L	5	9.4 U	9.9 U	9.0 U	9.0 U	9.5 U	9.7 U	9.0 U	9.2 U	9.3 U	11 U
Bis(2-chloroethyl)ether	111-44-4	µg/L	1	9.4 U	9.9 U	9.0 U	9.0 U	9.5 U	9.7 U	9.0 U	9.2 U	9.3 U	11 U
Bis(2-chloroisopropyl)ether	108-60-1	µg/L	5	9.4 UJ	9.9 U	9.0 U	9.0 UJ	9.5 U	9.7 UJ	9.0 U	9.2 UJ	9.3 UJ	11 U
Bis(2-ethylhexyl)phthalate	117-81-7	µg/L	5	9.4 UJ	9.9 U	9.0 U	**0.44 J**	9.5 U	9.7 UJ	9.0 U	9.2 UJ	9.3 UJ	11 U
4-Bromophenyl phenyl ether	101-55-3	µg/L	NC	9.4 U	9.9 U	9.0 U	9.0 U	9.5 U	9.7 U	9.0 U	9.2 U	9.3 U	11 U
Butylbenzylphthalate	85-68-7	µg/L	50	9.4 U	9.9 U	9.0 U	9.0 U	9.5 U	9.7 U	9.0 U	9.2 U	9.3 U	11 U
Carbazole	86-74-8	µg/L	NC	9.4 U	9.9 U	9.0 U	9.0 U	9.5 U	9.7 U	9.0 U	9.2 U	9.3 U	11 U
4-Chloroaniline	106-47-8	µg/L	5	9.4 U	9.9 U	9.0 U	9.0 U	9.5 U	9.7 U	9.0 U	9.2 U	9.3 U	11 U
4-Chloro-3-methylphenol	59-50-7	µg/L	NC	9.4 U	9.9 U	9.0 U	9.0 U	9.5 U	9.7 UJ	9.0 U		R	R 11 U
2-Chloronaphthalene	91-58-7	µg/L	10	9.4 U	9.9 U	9.0 U	9.0 U	9.5 U	9.7 U	9.0 U	9.2 U	9.3 U	11 U
2-Chlorophenol	95-57-8	µg/L	NC	9.4 UJ	9.9 U	9.0 U	9.0 UJ	9.5 U	9.7 UJ	9.0 U		R	R 11 U
4-Chlorophenylphenyl ether	7005-72-3	µg/L	NC	9.4 U	9.9 U	9.0 U	9.0 U	9.5 U	9.7 U	9.0 U	9.2 U	9.3 U	11 U
Chrysene	218-01-9	µg/L	0.002	4.7 U	5.0 U	4.5 U	4.5 U	4.7 U	4.9 U	4.5 U	4.6 U	4.6 U	5.6 U
Dibenz(a,h)anthracene	53-70-3	µg/L	NC	4.7 U	5.0 U	4.5 U	4.5 U	4.7 U	4.9 U	4.5 U	4.6 U	4.6 U	5.6 U
Dibenzofuran	132-64-9	µg/L	NC	4.7 U	5.0 U	4.5 U	4.5 U	4.7 U	4.9 U	4.5 U	4.6 U	4.6 U	5.6 U
Di-n-butylphthalate	84-74-2	µg/L	50	**25 JH**	9.9 U	9.0 U	9.0 U	9.5 U	9.7 U	9.0 U	9.2 U	9.3 U	11 U
3,3'-Dichlorobenzidine	91-94-1	µg/L	5	9.4 U	9.9 U	9.0 U	9.0 U	9.5 U	9.7 U	9.0 U	9.2 U	9.3 U	11 U
2,4-Dichlorophenol	120-83-2	µg/L	5	9.4 UJ	9.9 U	9.0 U	9.0 UJ	9.5 U	9.7 UJ	9.0 U		R	R 11 U
Diethylphthalate	84-66-2	µg/L	50	9.4 U	9.9 U	9.0 U	9.0 U	9.5 U	9.7 U	9.0 U	9.2 U	9.3 U	11 U
2,4-Dimethylphenol	105-67-9	µg/L	50	9.4 U	9.9 U	9.0 U	9.0 U	9.5 U	9.7 UJ	9.0 U		R	R 11 U
Dimethylphthalate	131-11-3	µg/L	50	9.4 U	9.9 U	9.0 U	9.0 U	9.5 U	9.7 U	9.0 U	9.2 U	9.3 U	11 U
4,6-Dinitro-2-methylphenol	534-52-1	µg/L	NC	19 UJ	20 U	18 U	18 UJ	19 U	R	18 U		R	R 22 UJ
2,4-Dinitrophenol	51-28-5	µg/L	10	9.4 UJ	9.9 U	9.0 U	9.0 UJ	9.5 U	R	9.0 U		R	R 11 UJ
2,4-Dinitrotoluene	121-14-2	µg/L	5	9.4 U	9.9 U	9.0 U	9.0 U	9.5 U	9.7 U	9.0 U	9.2 U	9.3 U	11 U
2,6-Dinitrotoluene	606-20-2	µg/L	5	9.4 U	9.9 U	9.0 U	9.0 U	9.5 U	9.7 U	9.0 U	9.2 U	9.3 U	11 U
Di-n-octylphthalate	117-84-0	µg/L	NC	9.4 U	9.9 UJ	9.0 UJ	9.0 U	9.5 UJ	9.7 U	9.0 UJ	9.2 U	9.3 U	11 UJ
Fluoranthene	206-44-0	µg/L	50	4.7 U	5.0 U	4.5 U	4.5 U	4.7 U	4.9 U	4.5 U	4.6 U	4.6 U	5.6 U
Fluorene	86-73-7	µg/L	50	4.7 U	5.0 U	4.5 U	4.5 U	4.7 U	4.9 U	4.5 U	4.6 U	4.6 U	5.6 U

Notes:

(1) - Proposed Class GA Value for 1,4-Dioxane is in the NYSDEC Guidance Document titled "2021 Addendum to June 1998 Division of Water Technical and Operational Guidance Series (TOGS) No. 1.1.1" and in the proposed revision to TOGS 1.1.1. ("Proposed Class GA Values").

(a) - Criteria applicable to the sum of the cis and trans isomers.

* - NYSDEC Ambient Water Quality Standards and Guidance Values for Class GA Water.

B- Analyte is found in the associated laboratory blank as well as in the sample.

J - Estimated value.

JH - Estimated value; biased high.

N - Indicates presumptive evidence of a compound (for organics).

NA - Sample not analyzed for listed analyte.

NC - No NYSDEC Class GA Value exists for this analyte.

R - Rejected data point.

TICs- Tentatively Identified Compounds.

U - Analyte was not detected at specified quantitation limit.

UJ - Estimated non-detect.

µg/L - micrograms per liter.

Values in **bold** indicate the analyte was detected.

Values shown in bold and shaded type exceed the listed NYSDEC standards.

Table 2B
New York State Department of Environmental Conservation
250 Water Street P-Site Site Characterization
New York, New York
Summary of Results of Analysis of Groundwater for Semivolatile Organic Compounds

			Sample Location:	MW1					MW2				MW3				MW4					
			Sample Name:	250WATERST-MW1-WG		250WATERST-MW1-WG		250WATERST-DUP-WG-20231121	250WATERST-MW2-WG		250WATERST-MW2-WG		250WATERST-MW3-WG		250WATERST-MW3-WG		250WATERST-MW4-WG		250WATERST-DUP-WG-20230802		250WATERST-MW4-WG	
			Lab Sample ID:	23H0919-01		23K2925-01		23K2925-05	23H0919-02		23K2925-02		23H0919-03		23K2925-03		23H0919-04		23H0919-05		23K2925-04	
			Sample Date:	8/2/2023		11/21/2023		11/21/2023	8/2/2023		11/21/2023		8/2/2023		11/21/2023		8/2/2023		8/2/2023		11/21/2023	
Semivolatile Organic Compounds (SVOCs)	CAS #	Unit	Class GA Values*					Field Dup											Field Dup			
Hexachlorobenzene	118-74-1	µg/L	0.04	9.4	U	9.9	U	9.0	U	9.0	U	9.5	U	9.7	U	9.0	U	9.2	U	9.3	U	11	UJ
Hexachlorobutadiene	87-68-3	µg/L	0.5	9.4	U	9.9	U	9.0	U	9.0	U	9.5	U	9.7	U	9.0	U	9.2	U	9.3	U	11	U
Hexachlorocyclopentadiene	77-47-4	µg/L	5	9.4	U	9.9	U	9.0	U	9.0	U	9.5	U	9.7	U	9.0	U	9.2	U	9.3	U	11	U
Hexachloroethane	67-72-1	µg/L	5	9.4	U	9.9	U	9.0	U	9.0	U	9.5	U	9.7	UJ	9.0	U	9.2	U	9.3	U	11	U
Indeno(1,2,3-cd)pyrene	193-39-5	µg/L	0.002	4.7	U	5.0	U	4.5	U	4.5	U	4.7	U	4.9	U	4.5	U	4.6	U	4.6	U	5.6	U
Isophorone	78-59-1	µg/L	50	9.4	U	9.9	U	9.0	U	9.0	U	9.5	U	9.7	U	9.0	U	9.2	U	9.3	U	11	U
2-Methylnaphthalene	91-57-6	µg/L	NC	4.7	U	5.0	U	4.5	U	4.5	U	4.7	U	4.9	U	4.5	U	4.6	U	4.6	U	5.6	U
o-cresol	95-48-7	µg/L	NC	9.4	U	9.9	U	9.0	U	9.0	U	9.5	U	9.7	U	9.0	U	9.2	U	9.3	U	11	U
3 & 4-Methylphenol (m,p-Cresol)	65794-96-9	µg/L	NC	9.4	U	9.9	U	9.0	U	9.0	U	9.5	U	9.7	U	9.0	U	9.2	U	9.3	U	11	U
Naphthalene	91-20-3	µg/L	10	4.7	U	5.0	U	4.5	U	4.5	U	4.7	U	4.9	U	4.5	U	4.6	U	4.6	U	5.6	U
Nitrobenzene	98-95-3	µg/L	0.4	9.4	U	9.9	U	9.0	U	9.0	U	9.5	U	9.7	U	9.0	U	9.2	U	9.3	U	11	U
2-Nitroaniline	88-74-4	µg/L	5	9.4	U	9.9	U	9.0	U	9.0	U	9.5	U	9.7	U	9.0	U	9.2	U	9.3	U	11	U
3-Nitroaniline	99-09-2	µg/L	5	9.4	U	9.9	U	9.0	U	9.0	U	9.5	U	9.7	U	9.0	U	9.2	U	9.3	U	11	U
4-Nitroaniline	100-01-6	µg/L	5	9.4	U	9.9	U	9.0	U	9.0	U	9.5	U	9.7	U	9.0	U	9.2	U	9.3	U	11	U
2-Nitrophenol	88-75-5	µg/L	NC	9.4	UJ	9.9	U	9.0	U	9.0	UJ	9.5	U	9.7	UJ	9.0	U		R		R	11	U
4-Nitrophenol	100-02-7	µg/L	NC	9.4	UJ	9.9	U	9.0	U	9.0	UJ	9.5	U	9.7	UJ	9.0	U		R		R	11	U
N-Nitrosodiphenylamine	86-30-6	µg/L	50	9.4	U	9.9	U	9.0	U	9.0	U	9.5	U	9.7	U	9.0	U	9.2	U	9.3	U	11	U
N-Nitroso-di-n-propylamine	621-64-7	µg/L	NC	9.4	U	9.9	U	9.0	U	9.0	U	9.5	U	9.7	U	9.0	U	9.2	U	9.3	U	11	U
Pentachlorophenol	87-86-5	µg/L	1	9.4	UJ	9.9	U	9.0	U	9.0	UJ	9.5	U	9.7	UJ	9.0	U		R		R	11	U
Phenanthrene	85-01-8	µg/L	50	4.7	U	5.0	U	4.5	U	4.5	U	4.7	U	4.9	U	4.5	U	4.6	U	4.6	U	5.6	U
Phenol	108-95-2	µg/L	1	**6.4**	**J**	**10**		9.0	U	9.0	U	9.5	U	9.7	U	**8.3**	**J**	**1.2**	**J**	**7.4**	**J**	11	U
Pyrene	129-00-0	µg/L	50	4.7	U	5.0	U	4.5	U	4.5	U	4.7	U	4.9	U	4.5	U	4.6	U	4.6	U	5.6	U
1,2,4,5-Tetrachlorobenzene	95-94-3	µg/L	5	9.4	U	9.9	U	9.0	U	9.0	U	9.5	U	9.7	U	9.0	U	9.2	U	9.3	U	11	U
2,4,5-Trichlorophenol	95-95-4	µg/L	NC	9.4	UJ	9.9	U	9.0	U	9.0	UJ	9.5	U	9.7	UJ	9.0	U		R		R	11	U
2,4,6-Trichlorophenol	88-06-2	µg/L	NC	9.4	UJ	9.9	U	9.0	U	9.0	UJ	9.5	U	9.7	UJ	9.0	U		R		R	11	U
1,4-Dioxane	123-91-1	µg/L	0.35[1]	0.19	U	0.21	UJ	0.21	UJ	0.20	U	0.20	UJ	**0.31**		0.19	UJ	**0.67**		0.2	U	**0.20**	**J**
TICs																							
n-Hexadecanoic Acid	57-10-3	µg/L	NC	NA		**16**	**N**	NA		NA		**16**		NA		NA		NA		NA		NA	
Octadecanoic Acid	57-11-4	µg/L	NC	NA		**21**	**N**	NA		NA		**20**	**N**	NA		NA		NA		NA		NA	

Notes:

[1] - Proposed Class GA Value for 1,4-Dioxane is in the NYSDEC Guidance Document titled "2021 Addendum to June 1998 Division of Water Technical and Operational Guidance Series (TOGS) No. 1.1.1" and in the proposed revision to TOGS 1.1.1. ("Proposed Class GA Values").

(a) - Criteria applicable to the sum of the cis and trans isomers.

* - NYSDEC Ambient Water Quality Standards and Guidance Values for Class GA Water.

B- Analyte is found in the associated laboratory blank as well as in the sample.

J - Estimated value.

JH - Estimated value; biased high.

N - Indicates presumptive evidence of a compound (for organics).

NA - Sample not analyzed for listed analyte.

NC - No NYSDEC Class GA Value exists for this analyte.

R - Rejected data point.

TICs- Tentatively Identified Compounds.

U - Analyte was not detected at specified quantitation limit.

UJ - Estimated non-detect.

µg/L - micrograms per liter.

Values in **bold** indicate the analyte was detected.

Values shown in bold and shaded type exceed the listed NYSDEC standards.

Table 2C
New York State Department of Environmental Conservation
250 Water Street P-Site Site Characterization
New York, New York
Summary of Results of Analysis of Groundwater for Polychlorinated Biphenyls

			Sample Location:	MW1			MW2		MW3		MW4		
			Sample Name:	250WATERST-MW1-WG	250WATERST-MW1-WG	250WATERST-DUP-WG-20231121	250WATERST-MW2-WG	250WATERST-MW2-WG	250WATERST-MW3-WG	250WATERST-MW3-WG	250WATERST-MW4-WG	250WATERST-DUP-WG-20230802	250WATERST-MW4-WG
			Lab Sample ID:	23H0919-01	23K2925-01	23K2925-05	23H0919-02	23K2925-02	23H0919-03	23K2925-03	23H0919-04	23H0919-05	23K2925-04
			Sample Date:	8/2/2023	11/21/2023	11/21/2023	8/2/2023	11/21/2023	8/2/2023	11/21/2023	8/2/2023	8/2/2023	11/21/2023
Polychlorinated Biphenyls (PCBs)	CAS #	Unit	Class GA Values*			Field Dup						Field Dup	
Aroclor-1016	12674-11-2	µg/L	NC	0.18 U	0.18 UJ	0.19 UJ	0.19 U	0.19 UJ	0.21 UJ	0.18 UJ	0.19 U	0.19 U	0.19 UJ
Aroclor-1221	11104-28-2	µg/L	NC	0.18 U	0.18 U	0.19 U	0.19 U	0.19 U	0.21 U	0.18 U	0.19 U	0.19 U	0.19 U
Aroclor-1232	11141-16-5	µg/L	NC	0.18 U	0.18 U	0.19 U	0.19 U	0.19 U	0.21 U	0.18 U	0.19 U	0.19 U	0.19 U
Aroclor-1242	53469-21-9	µg/L	NC	0.18 U	0.18 U	0.19 U	0.19 U	0.19 U	0.21 U	0.18 U	0.19 U	0.19 U	0.19 U
Aroclor-1248	12672-29-6	µg/L	NC	0.18 U	0.18 U	0.19 U	0.19 U	0.19 U	0.21 U	0.18 U	0.19 U	0.19 U	0.19 U
Aroclor-1254	11097-69-1	µg/L	NC	0.18 U	0.18 U	0.19 U	0.19 U	0.19 U	0.21 U	0.18 U	0.19 U	0.19 U	0.19 U
Aroclor-1260	11096-82-5	µg/L	NC	0.18 U	0.18 UJ	0.19 UJ	0.19 U	0.19 UJ	0.21 UJ	0.18 UJ	0.19 U	0.19 U	0.19 UJ
Aroclor-1262	37324-23-5	µg/L	NC	0.18 U	0.18 U	0.19 U	0.19 U	0.19 U	0.21 U	0.18 U	0.19 U	0.19 U	0.19 U
Aroclor-1268	11100-14-4	µg/L	NC	0.18 U	0.18 UJ	0.19 UJ	0.19 U	0.19 UJ	0.21 U	0.18 UJ	0.19 U	0.19 U	0.19 UJ
Total PCBs	1336-36-3	µg/L	0.09	0.18 U	0.18 U	0.19 U	0.19 U	0.19 U	0.21 U	0.18 U	0.19 U	0.19 U	0.19 U

Notes:

* - NYSDEC Ambient Water Quality Standards and Guidance Values for Class GA Water.

NC - No NYSDEC Class GA Value exists for this analyte.

U - Analyte was not detected at specified quantitation limit.

UJ - Estimated non-detect.

ug/L - micrograms per liter.

Table 2D
New York State Department of Environmental Conservation
250 Water Street P-Site Site Characterization
New York, New York
Summary of Results of Analysis of Groundwater for Pesticides

			Sample Location:	MW1			MW2		MW3		MW4		
			Sample Name:	250WATERST-MW1-WG	250WATERST-MW1-WG	250WATERST-DUP-WG-20231121	250WATERST-MW2-WG	250WATERST-MW2-WG	250WATERST-MW3-WG	250WATERST-MW3-WG	250WATERST-MW4-WG	250WATERST-DUP-WG-20230802	250WATERST-MW4-WG
			Lab Sample ID:	23H0919-01	23K2925-01	23K2925-05	23H0919-02	23K2925-02	23H0919-03	23K2925-03	23H0919-04	23H0919-05	23K2925-04
			Sample Date:	8/2/2023	11/21/2023	11/21/2023	8/2/2023	11/21/2023	8/2/2023	11/21/2023	8/2/2023	8/2/2023	11/21/2023
Pesticides	CAS #	Unit	Class GA Values*			Field Dup						Field Dup	
Alachlor	15972-60-8	µg/L	NC	0.18 UJ	0.18 U	0.19 U	0.19 UJ	0.19 U	0.21 UJ	0.18 U	0.19 UJ	0.19 UJ	0.19 U
Aldrin	309-00-2	µg/L	0	0.046 U	0.045 U	0.048 U	0.047 U	0.047 U	0.053 U	0.046 U	0.046 U	0.048 U	0.048 UJ
alpha-BHC	319-84-6	µg/L	0.01	0.046 UJ	0.045 U	0.048 U	0.047 UJ	0.047 U	0.053 UJ	0.046 U	0.046 UJ	0.048 UJ	0.048 U
beta-BHC	319-85-7	µg/L	0.04	0.046 UJ	0.045 U	0.048 U	0.047 UJ	0.047 U	0.053 UJ	0.046 U	0.046 UJ	0.048 UJ	0.048 U
delta-BHC	319-86-8	µg/L	0.04	0.046 UJ	0.045 U	0.048 U	0.047 UJ	0.047 U	0.053 UJ	0.046 U	0.046 UJ	0.048 UJ	0.048 U
gamma-BHC (Lindane)	58-89-9	µg/L	0.05	0.028 UJ	0.027 U	0.029 U	0.028 UJ	0.028 U	0.032 UJ	0.027 U	0.028 UJ	0.029 UJ	0.029 UJ
Chlordane	57-74-9	µg/L	0.05	0.18 UJ	0.18 UJ	0.19 UJ	0.19 UJ	0.19 UJ	0.21 UJ	0.18 UJ	0.19 UJ	0.19 UJ	0.19 UJ
4,4-DDD	72-54-8	µg/L	0.3	0.037 U	0.036 U	0.038 U	0.037 U	0.038 U	0.043 U	0.037 U	0.037 U	0.038 U	0.038 U
4,4-DDE	72-55-9	µg/L	0.2	0.037 U	0.036 U	0.038 U	0.037 U	0.038 U	0.043 U	0.037 U	0.037 U	0.038 U	0.038 U
4,4-DDT	50-29-3	µg/L	0.2	0.037 U	0.036 U	0.038 U	0.037 U	0.038 U	0.043 U	0.037 U	0.037 U	0.038 U	0.038 U
Dieldrin	60-57-1	µg/L	0.004	0.0018 UJ	0.0018 U	0.0019 U	0.0019 UJ	0.0019 U	0.0021 UJ	0.0018 U	0.0019 UJ	0.0019 UJ	0.0019 U
Endosulfan I	959-98-8	µg/L	NC	0.046 U	0.045 U	0.048 U	0.047 U	0.047 U	0.053 U	0.046 U	0.046 U	0.048 U	0.048 U
Endosulfan II	33213-65-9	µg/L	NC	0.073 UJ	0.072 U	0.076 U	0.075 UJ	0.075 U	0.085 UJ	0.073 U	0.074 UJ	0.076 UJ	0.076 U
Endosulfan Sulfate	1031-07-8	µg/L	NC	0.073 UJ	0.072 U	0.076 U	0.075 UJ	0.075 U	0.085 UJ	0.073 U	0.074 UJ	0.076 UJ	0.076 U
Endrin	72-20-8	µg/L	0	0.073 U	0.072 U	0.076 U	0.075 U	0.075 U	0.085 U	0.073 U	0.074 U	0.076 U	0.076 U
Endrin Aldehyde	7421-93-4	µg/L	5	0.073 U	0.072 U	0.076 U	0.075 U	0.075 U	0.085 U	0.073 U	0.074 U	0.076 U	0.076 U
Endrin Ketone	53494-70-5	µg/L	5	0.073 UJ	0.072 U	0.076 U	0.075 UJ	0.075 U	0.085 UJ	0.073 U	0.074 UJ	0.076 UJ	0.076 U
Heptachlor	76-44-8	µg/L	0.04	0.046 U	0.045 U	0.048 U	0.047 U	0.047 U	0.053 U	0.046 U	0.046 U	0.048 U	0.048 UJ
Heptachlor Epoxide	1024-57-3	µg/L	0.03	0.046 U	0.045 U	0.048 U	0.047 U	0.047 U	0.053 U	0.046 U	0.046 U	0.048 U	0.048 U
Hexachlorobenzene	118-74-1	µg/L	0.04	0.046 U	0.045 U	0.048 U	0.047 U	0.047 U	0.053 U	0.046 U	0.046 U	0.048 U	0.048 U
Methoxychlor	72-43-5	µg/L	35	0.46 U	0.45 U	0.48 U	0.47 U	0.47 U	0.53 U	0.46 U	0.46 U	0.48 U	0.48 U
Toxaphene	8001-35-2	µg/L	0.06	0.92 U	0.90 U	0.95 U	0.93 U	0.94 U	1.1 U	0.92 U	0.93 U	0.95 U	0.95 U

Notes:
* - NYSDEC Ambient Water Quality Standards and Guidance Values for Class GA Water.
NC - No NYSDEC Class GA Value exists for this analyte.
U - Analyte was not detected at specified quantitation limit.
UJ - Estimated non-detect.
µg/L - micrograms per liter.
Values in **bold** indicate the analyte was detected.

Table 2E
New York State Department of Environmental Conservation
250 Water Street P-Site Site Characterization
New York, New York
Summary of Results of Analysis of Groundwater for Metals and General Chemistry

			Sample Location:	MW1					MW2				MW3				MW4					
			Sample Name:	250WATERST-MW1-WG		250WATERST-MW1-WG		250WATERST-DUP-WG-20231121	250WATERST-MW2-WG		250WATERST-MW2-WG		250WATERST-MW3-WG		250WATERST-MW3-WG		250WATERST-MW4-WG		250WATERST-DUP-WG-20230802		250WATERST-MW4-WG	
			Lab Sample ID**:	23H0919-01/23H0887-01		23K2925-01/23K2927-01		23K2925-05	23H0919-02/23H0887-02		23K2925-02/23K2927-02		23H0919-03/23H0887-03		23K2925-03/23K2927-03		23H0919-04/23H0887-04		23H0919-05/23H0887-05		23K2925-04/23K2927-04	
			Sample Date:	8/2/2023		11/21/2023		11/21/2023	8/2/2023		11/21/2023		8/2/2023		11/21/2023		8/2/2023		8/2/2023		11/21/2023	
Metals, total	CAS #	Unit	Class GA Values*					Field Dup											Field Dup			
Aluminum	7429-90-5	mg/L	NC	**0.75**		**0.15**		**0.16**	**0.38**		**0.084**		0.05	U	**0.12**		**0.13**		**0.15**		**0.032**	**J**
Antimony	7440-36-0	mg/L	0.003	0.050	UJ	0.050	U	0.050	U	**0.12**	**J**	**0.15**		0.050	UJ	0.050	U	0.050	UJ	0.050	UJ	0.050	U
Arsenic	7440-38-2	mg/L	0.025	0.010	UJ	0.010	U	0.010	U	0.010	UJ	0.010	U	0.010	UJ	0.010	U	**0.0098**	**J**	**0.014**	**J**	0.010	U
Barium	7440-39-3	mg/L	1	**0.042**	**J**	**0.10**		**0.11**		**0.16**		**0.099**		**0.34**		**0.22**		**0.073**		**0.076**		**0.11**	
Beryllium	7440-41-7	mg/L	0.003	0.004	UJ	0.004	U	0.004	U	0.004	UJ	0.004	U	0.004	UJ	0.004	U	0.004	UJ	0.004	UJ	0.004	UJ
Cadmium	7440-43-9	mg/L	0.005	0.004	UJ	0.004	UJ	0.004	UJ	0.004	UJ	0.004	UJ	0.004	UJ	0.004	UJ	0.004	UJ	0.004	UJ	0.004	U
Calcium	7440-70-2	mg/L	NC	**27**		**48**		**49**		**90**		**81**		**75**		**41**		**58**		**59**		**96**	
Chromium	7440-47-3	mg/L	0.05	0.010	UJ	0.010	U	0.010	U	0.010	UJ	0.010	U	0.010	UJ	0.010	U	0.010	UJ	0.010	UJ	0.010	U
Cobalt	7440-48-4	mg/L	NC	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	**0.0025**	**J**	0.010	U	0.010	U	0.010	U	0.010	U
Copper	7440-50-8	mg/L	0.2	0.010	UJ	0.010	U	0.010	U	**0.013**	**J**	**0.016**		**0.0041**	**J**	0.010	U	0.010	UJ	0.010	UJ	0.010	UJ
Iron	7439-89-6	mg/L	0.3	**0.80**		**0.12**		**0.18**		**0.61**		**0.25**		0.05	U	**0.25**		**3.0**		**2.8**		**1.6**	
Lead	7439-92-1	mg/L	0.025	0.010	U	0.010	UJ	0.010	UJ	**0.0098**	**J**	0.010	UJ	0.010	U	0.010	UJ	0.010	U	0.010	U	0.010	U
Magnesium	7439-95-4	mg/L	35	**3.1**		**8.4**		**8.6**		**24**		**19**		**30**		**15**		**23**		**22**		**26**	**J**
Manganese	7439-96-5	mg/L	0.3	**0.086**	**J**	**0.012**		**0.018**		**0.58**	**J**	**0.25**		**3.5**		**1.1**		**0.55**		**0.58**	**J**	**0.83**	
Mercury	7439-97-6	mg/L	0.0007	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U
Nickel	7440-02-0	mg/L	0.1	0.010	U	0.010	U	0.010	U	**0.0098**	**J**	**0.0031**	**J**	**0.010**		**0.0076**	**J**	0.010	U	0.010	U	0.010	U
Potassium	7440-09-7	mg/L	NC	**4.0**		**4.8**		**4.8**		**18**		**15**		**29**		**22**		**17**		**18**		**24**	
Selenium	7782-49-2	mg/L	0.01	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
Silver	7440-22-4	mg/L	0.05	0.010	U	0.010	UJ	0.010	UJ	0.010	UJ	0.010	UJ	0.010	UJ	0.010	UJ	0.010	U	0.010	U	0.010	UJ
Sodium	7440-23-5	mg/L	20	**10**		**12**	**J**	**12**	**J**	**30**		**22**	**J**	**130**		**120**	**J**	**300**		**320**		**310**	**J**
Thallium	7440-28-0	mg/L	0.0005	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
Vanadium	7440-62-2	mg/L	NC	**0.0099**	**J**	0.010	U	**0.0072**	**J**	0.010	UJ	**0.0072**	**J**	0.010	UJ	0.010	U	0.010	UJ	0.010	UJ	0.010	U
Zinc	7440-66-6	mg/L	2	**0.0043**	**J**	0.010	U	0.010	U	**0.05**	**J**	**0.02**		0.010	UJ	0.010	U	0.010	UJ	0.010	UJ	0.010	U

Notes:

* - NYSDEC Ambient Water Quality Standards and Guidance Values for Class GA Water.

B- Analyte is found in the associated laboratory blank as well as in the sample.

J - Estimated value.

JH - Estimated value; biased high.

mg/L - milligrams per liter.

NA - Sample not analyzed for the listed analyte.

NC - No NYSDEC Class GA Value exists for this analyte.

U - Analyte was not detected at specified quantitation limit.

UJ - Estimated non-detect.

Values in **bold** indicate the analyte was detected.

Values shown in bold and shaded type exceed the listed NYSDEC standards.

** - Lab Sample ID for other/TSS analysis; otherwise the Lab sample ID applies to all listed analyses.

Table 2E
New York State Department of Environmental Conservation
250 Water Street P-Site Site Characterization
New York, New York
Summary of Results of Analysis of Groundwater for Metals and General Chemistry

			Sample Location:	MW1					MW2				MW3				MW4					
			Sample Name:	250WATERST-MW1-WG		250WATERST-MW1-WG		250WATERST-DUP-WG-20231121	250WATERST-MW2-WG		250WATERST-MW2-WG		250WATERST-MW3-WG		250WATERST-MW3-WG		250WATERST-MW4-WG		250WATERST-DUP-WG-20230802		250WATERST-MW4-WG	
			Lab Sample ID**:	23H0919-01/23H0887-01		23K2925-01/23K2927-01		23K2925-05	23H0919-02/23H0887-02		23K2925-02/23K2927-02		23H0919-03/23H0887-03		23K2925-03/23K2927-03		23H0919-04/23H0887-04		23H0919-05/23H0887-05		23K2925-04/23K2927-04	
			Sample Date:	8/2/2023		11/21/2023		11/21/2023	8/2/2023		11/21/2023		8/2/2023		11/21/2023		8/2/2023		8/2/2023		11/21/2023	
Metals, filtered	CAS #	Unit	Class GA Values*					Field Dup											Field Dup			
Aluminum	7429-90-5	mg/L	NC	0.050	UJ	0.050	U	0.050	U	0.050	UJ	0.050	U	0.050	UJ	0.050	U	0.050	UJ	0.050	UJ	0.050	U
Antimony	7440-36-0	mg/L	0.003	0.050	U	0.050	U	0.050	U	**0.098**		**0.14**		0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
Arsenic	7440-38-2	mg/L	0.025	0.010	UJ	0.010	U	0.010	U	0.01	UJ	0.010	U	0.010	UJ	0.010	U	**0.013**	**J**	**0.014**	**J**	0.010	U
Barium	7440-39-3	mg/L	1	**0.030**	**J**	**0.11**		**0.10**		**0.15**		**0.11**		**0.33**		**0.23**		**0.073**		**0.074**		**0.11**	
Beryllium	7440-41-7	mg/L	0.003	0.004	UJ	0.004	U	0.004	U	0.004	UJ	0.004	U	0.004	UJ	0.004	U	0.004	UJ	0.004	UJ	0.004	U
Cadmium	7440-43-9	mg/L	0.005	0.004	UJ	0.004	U	0.004	U	0.004	UJ	0.004	U	0.004	UJ	0.004	U	0.004	UJ	0.004	UJ	0.004	U
Calcium	7440-70-2	mg/L	NC	**28**	**J**	**48**		**45**		**97**	**J**	**85**		**79**	**J**	**42**		**60**	**J**	**62**	**J**	**93**	
Chromium	7440-47-3	mg/L	0.05	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U
Cobalt	7440-48-4	mg/L	NC	0.010	UJ	0.010	U	0.010	U	0.010	UJ	**0.0017**	**J**	0.010	UJ	**0.0019**	**J**	0.010	UJ	0.010	UJ	0.010	U
Copper	7440-50-8	mg/L	0.2	0.010	UJ	0.010	U	0.010	U	0.010	UJ	**0.0084**	**J**	0.010	UJ	0.010	U	0.010	UJ	0.010	UJ	0.010	U
Iron	7439-89-6	mg/L	0.3	0.050	UJ	0.050	U	0.050	U	**0.13**	**J**	**0.031**	**J**	0.050	UJ	0.050	U	**3.5**	**J**	**3.5**	**J**	**1.4**	
Lead	7439-92-1	mg/L	0.025	0.010	UJ	0.010	U	0.010	U	0.010	UJ	0.010	U	0.010	UJ	0.010	U	0.01	UJ	0.01	UJ	0.010	U
Magnesium	7439-95-4	mg/L	35	**2.8**		**8.1**	**JH**	**8.1**	**JH**	**25**		**19**	**JH**	**31**		**14**	**JH**	**23**		**23**		**25**	**JH**
Manganese	7439-96-5	mg/L	0.3	0.010	U	0.010	U	0.010	U	**0.62**		**0.25**		**3.5**	**J**	**0.97**		**0.55**	**J**	**0.55**		**0.8**	
Mercury	7439-97-6	mg/L	0.0007	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U
Nickel	7440-02-0	mg/L	0.1	0.010	UJ	0.010	U	0.010	U	0.010	UJ	**0.0045**	**J**	**0.010**	**J**	**0.0085**	**J**	0.010	UJ	0.010	U	0.010	U
Potassium	7440-09-7	mg/L	NC	**3.7**		**4.6**		**4.7**		**17**		**15**		**26**		**21**		**16**		**16**		**22**	
Selenium	7782-49-2	mg/L	0.01	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
Silver	7440-22-4	mg/L	0.05	0.010	UJ	0.010	U	0.010	U	0.010	UJ	0.010	U	0.010	UJ	0.010	U	0.010	UJ	0.010	UJ	0.010	U
Sodium	7440-23-5	mg/L	20	**9.1**	**J**	**13**		**12**		**31**	**J**	**23**		**130**	**J**	**120**		**310**	**J**	**340**	**J**	**310**	
Thallium	7440-28-0	mg/L	0.0005	0.050	UJ	0.050	U	0.050	U	0.050	UJ	0.050	U	0.050	UJ	0.050	U	0.050	UJ	0.050	UJ	0.050	U
Vanadium	7440-62-2	mg/L	NC	**0.0081**	**J**	0.010	U	0.010	U	0.050	**J**	0.01	U	**0.0049**	**J**	0.01	U	**0.0064**	**J**	**0.0070**	**J**	**0.0075**	**J**
Zinc	7440-66-6	mg/L	2	**0.0070**	**J**	0.010	U	0.010	U	**0.048**	**J**	**0.016**		0.010	UJ	0.010	U	0.010	UJ	0.010	UJ	0.010	U
General Chemistry																							
Total Suspended Solids (TSS)	TSS	mg/L	NC	10	U	10	U	10	U	10	U	10	U	10	U	**10**		**16**		**26**		**26**	
Cyanide, total	57-12-5	mg/L	0.2	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U
Cyanide, dissolved	57-12-5	mg/L	0.2	NA		0.010	U	0.010	U	NA		0.010	U	NA		0.010	U	NA		NA		0.010	U

Notes:

* - NYSDEC Ambient Water Quality Standards and Guidance Values for Class GA Water.

B- Analyte is found in the associated laboratory blank as well as in the sample.

J - Estimated value.

JH - Estimated value; biased high.

mg/L - milligrams per liter.

NA - Sample not analyzed for the listed analyte.

NC - No NYSDEC Class GA Value exists for this analyte.

U - Analyte was not detected at specified quantitation limit.

UJ - Estimated non-detect.

Values in **bold** indicate the analyte was detected.

Values shown in bold and shaded type exceed the listed NYSDEC standards.

** - Lab Sample ID for other/TSS analysis; otherwise the Lab sample ID applies to all listed analyses.

Table 2F
New York State Department of Environmental Conservation
250 Water Street P-Site Site Characterization
New York, New York
Summary of Results of Analysis of Groundwater for Per- and Polyfluoroalkyl Substances

			Sample Location:	MW1						MW2				MW3				MW4					
			Sample Name:	250WATERST-MW1-WG		250WATERST-MW1-WG		250WATERST-DUP-WG-20231121		250WATERST-MW2-WG		250WATERST-MW2-WG		250WATERST-MW3-WG		250WATERST-MW3-WG		250WATERST-MW-4-WG		250WATERST-DUP-WG-20230802		250WATERST-MW4-WG	
			Lab Sample ID:	23H0887-01		23K2927-01		23K2927-05		23H0887-02		23K2927-02		23H0887-03		23K2927-03		23H0887-04		23H0887-05		23K2927-04	
			Sample Date:	8/2/2023		11/21/2023		11/21/2023		8/2/2023		11/21/2023		8/2/2023		11/21/2023		8/2/2023		8/2/2023		11/21/2023	
Per- and Polyfluoroalkyl Substances (PFAS)	CAS #	Unit	Guidance Value*					Field Dup												Field Dup			
Perfluorobutanoic Acid (PFBA)	375-22-4	ng/L	NC	**4.1**	**J**	**6.4**	**J**	**6.0**	**J**	**9.5**	**J**	**14**	**J**	**25**		**35**	**J**	**13**		**14**		**16**	**J**
Perfluoropentanoic Acid (PFPeA)	2706-90-3	ng/L	NC	**2.8**		**5.3**	**J**	**5.2**	**J**	**12**		**25**	**J**	**27**		**66**	**J**	**11**		**11**		**24**	**J**
Perfluorohexanoic Acid (PFHxA)	307-24-4	ng/L	NC	**2.4**		**5.3**	**J**	**5.6**	**J**	**12**		**17**	**J**	**24**		**42**	**J**	**11**		**11**		**21**	**J**
Perfluoroheptanoic Acid (PFHpA)	375-85-9	ng/L	NC	**2.8**		**9.9**	**J**	**9.9**	**J**	**9.5**		**14**	**J**	**2.8**		**7.8**	**J**	**8.6**		**8.8**		**8.6**	**J**
Perfluorooctanoic Acid (PFOA)	335-67-1	ng/L	6.7	**19**		**150**	**J**	**140**	**J**	**110**		**220**	**J**	**24**		**22**	**J**	**50**		**49**		**38**	**J**
Perfluorononanoic Acid (PFNA)	375-95-1	ng/L	NC	**0.62**	**J**	**1.1**	**J**	**1.1**	**J**	**1.8**		**5.6**	**J**	**6.3**		**6.0**	**J**	**30**		**30**		**10**	**J**
Perfluorodecanoic Acid (PFDA)	335-76-2	ng/L	NC	**0.34**	**J**	**0.26**	**J**	0.96	U	1.0	U	**0.91**	**J**	**0.93**	**J**	**1.8**	**J**	**1.4**		**1.3**		**1.2**	**J**
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	ng/L	NC	0.94	U	0.92	UJ	0.96	UJ	1.0	U	0.90	UJ	0.99	U	0.96	UJ	**3.2**		**3.4**		0.97	UJ
Perfluorododecanoic Acid (PFDoA)	307-55-1	ng/L	NC	0.94	U	0.92	UJ	0.96	UJ	1.0	U	0.90	UJ	0.99	U	0.96	UJ	0.96	U	0.95	U	0.97	UJ
Perfluorotridecanoic Acid (PFTriA)	72629-94-8	ng/L	NC	0.94	U	0.92	UJ	0.96	UJ	1.0	U	0.90	UJ	0.99	U	0.96	UJ	0.96	U	0.95	U	0.97	UJ
Perfluorotetradecanoic Acid (PFTeA)	376-06-7	ng/L	NC	0.94	U	0.92	UJ	0.96	UJ	1.0	U	0.9	UJ	0.99	U	0.96	UJ	0.96	U	0.95	U	0.97	UJ
Perfluorobutanesulfonic Acid (PFBS)	375-73-5	ng/L	NC	**3.7**		**6.2**	**J**	**6.0**	**J**	**29**		**59**	**J**	**9.1**		**11**	**J**	**6.9**		**7.3**		**6.6**	**J**
Perfluoropentanesulfonic Acid (PFPeS)	2706-91-4	ng/L	NC	**0.23**	**J**	0.92	UJ	0.96	UJ	1.0	U	0.90	UJ	**0.50**	**J**	0.96	UJ	**0.96**	**J**	**0.81**	**J**	0.97	UJ
Perfluorohexanesulfonic Acid (PFHxS)	355-46-4	ng/L	NC	**2.9**		**4.9**	**J**	**5.0**	**J**	**7.1**		**14**	**J**	**3.6**		**3.8**	**J**	**5.4**		**6.2**		**3.5**	**J**
Perfluoroheptanesulfonic Acid (PFHpS)	375-92-8	ng/L	NC	0.94	U	**0.93**	**J**	**0.97**	**J**	1.0	U	**1.5**	**J**	**0.56**	**J**	0.96	UJ	0.96	U	0.95	U	0.97	UJ
Perfluorooctanesulfonic Acid (PFOS)	1763-23-1	ng/L	2.7	**6.7**	**JH**	**29**	**J**	**26**	**J**	**14**	**JH**	**34**	**J**	**36**	**JH**	**66**	**J**	**52**	**JH**	**52**	**JH**	**31**	**J**
Perfluorononanesulfonic Acid (PFNS)	68259-12-1	ng/L	NC	0.94	U	0.92	UJ	0.96	UJ	1.0	U	0.90	UJ	0.99	U	0.96	UJ	0.96	U	0.95	U	0.97	UJ
Perfluorodecanesulfonic Acid (PFDS)	335-77-3	ng/L	NC	0.94	U	0.92	UJ	0.96	UJ	1.0	U	0.90	UJ	0.99	U	0.96	UJ	0.96	U	0.95	U	0.97	UJ
Perfluorododecane sulfonic acid (PFDoS)	79780-39-5	ng/L	NC	0.94	U	0.92	UJ	0.96	UJ	1.0	U	0.90	UJ	0.99	U	0.96	UJ	0.96	U	0.95	U	0.97	UJ
4:2 Fluorotelomer Sulfonate (4:2 FTS)	757124-72-4	ng/L	NC	3.7	U	3.7	U	3.8	U	4.0	U	3.6	U	3.9	U	3.9	U	3.9	U	3.8	U	3.9	U
6:2 Fluorotelomer Sulfonate (6:2 FTS)	27619-97-2	ng/L	NC	3.7	U	3.7	U	3.8	U	4.0	U	3.6	U	3.9	U	3.9	U	3.9	U	3.8	U	3.9	U
8:2 Fluorotelomer Sulfonate (8:2 FTS)	39108-34-4	ng/L	NC	3.7	U	3.7	U	3.8	U	4.0	U	3.6	U	3.9	U	3.9	U	3.9	U	3.8	U	3.9	U
Perfluorooctane Sulfonamide (FOSA)	754-91-6	ng/L	NC	**0.36**	**J**	**0.76**	**J**	**0.69**	**J**	1.0	U	0.90	UJ	**3.4**		**4.9**	**J**	**22**		**22**		**3.4**	**J**
N-Methylperfluorooctane sulfonamide (NMeFOSA)	31506-32-8	ng/L	NC	0.94	U	0.92	UJ	0.96	UJ	1.0	U	0.90	UJ	0.99	U	0.96	UJ	0.96	U	0.95	U	0.97	UJ
N-Ethylperfluorooctane sulfonamide (NEtFOSA)	4151-50-2	ng/L	NC	0.94	U	0.92	UJ	0.96	UJ	1.0	U	0.90	UJ	0.99	U	0.96	UJ	0.96	U	0.95	U	0.97	UJ
N-MeFOSAA	2355-31-9	ng/L	NC	0.94	U	0.92	UJ	0.96	UJ	1.0	U	0.90	UJ	0.99	U	0.96	UJ	0.96	U	0.95	U	0.97	UJ
N-EtFOSAA	2991-50-6	ng/L	NC	**0.27**	**J**	0.92	U	0.96	U	1.0	U	0.90	U	**2.4**		**3.0**		**2.5**		**2.3**		**2.8**	
N-Methyl perfluorooctane sulfonamido ethanol (NMeFOSE)	24448-09-7	ng/L	NC	9.4	U	9.2	U	9.6	U	10	U	9.0	U	9.9	U	9.6	U	9.6	U	9.5	U	9.7	U
N-Ethyl perfluorooctane sulfonamidoethanol (NEtFOSE)	1691-99-2	ng/L	NC	9.4	U	9.2	UJ	9.6	UJ	10	U	9.0	UJ	9.9	U	9.6	UJ	9.6	U	9.5	U	9.7	UJ
HFPO-DA (GenX)	13252-13-6	ng/L	NC	3.7	U	3.7	UJ	3.8	UJ	4.0	U	3.6	UJ	3.9	U	3.9	UJ	3.9	U	3.8	U	**2.2**	**J**
4,8-dioxa-3H-perfluorononanoic Acid (ADONA)	919005-14-4	ng/L	NC	3.7	U	3.7	UJ	3.8	UJ	4.0	U	3.6	UJ	3.9	U	3.9	UJ	3.9	U	3.8	U	3.9	UJ
9Cl-PF3ONS (F53B Major)	756426-58-1	ng/L	NC	3.7	U	3.7	UJ	3.8	UJ	4.0	U	3.6	UJ	3.9	U	3.9	UJ	3.9	U	3.8	U	3.9	UJ
11Cl-PF3OUdS (F53B Minor)	763051-92-9	ng/L	NC	3.7	U	3.7	UJ	3.8	UJ	4.0	U	3.6	UJ	3.9	U	3.9	UJ	3.9	U	3.8	U	3.9	UJ
3:3 Fluorotelomer carboxylic acid (3:3 FTCA)	356-02-5	ng/L	NC	9.4	U	9.2	UJ	9.6	UJ	10	U	9.0	UJ	9.9	U	9.6	UJ	9.6	U	9.5	U	9.7	UJ
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	914637-49-3	ng/L	NC	47	U	46	UJ	48	UJ	50	U	45	UJ	49	U	48	UJ	48	U	47	U	48	UJ
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	812-70-4	ng/L	NC	47	U	46	UJ	48	UJ	50	U	45	UJ	49	U	48	UJ	48	U	47	U	48	UJ
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	113507-82-7	ng/L	NC	1.9	U	1.8	UJ	1.9	UJ	2.0	U	1.8	UJ	2.0	U	1.9	UJ	1.9	U	1.9	U	1.9	UJ
Perfluoro-3-methoxypropanoic Acid (PFMPA)	377-73-1	ng/L	NC	1.9	U	1.8	UJ	1.9	UJ	2.0	U	1.8	UJ	2.0	U	1.9	UJ	1.9	U	1.9	U	1.9	UJ
Perfluoro(4-methoxybutanoic) Acid (PFMBA)	863090-89-5	ng/L	NC	1.9	U	1.8	UJ	1.9	UJ	2.0	U	1.8	UJ	2.0	U	1.9	UJ	1.9	U	1.9	U	1.9	UJ
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	151772-58-6	ng/L	NC	1.9	U	1.8	UJ	1.9	UJ	2.0	U	1.8	UJ	2.0	U	1.9	UJ	1.9	U	1.9	U	1.9	UJ

Notes:

ng/L - nanograms per liter.

J - Estimated value.

JH -

NC - No NYSDEC Guidance Value exists for this analyte.

U - Analyte was not detected at specified quantitation limit.

UJ - Estimated non-detect.

Values in **bold** indicate the analyte was detected.

Values shown in bold and shaded type exceed the listed NYSDEC standards.

* - Guidelines for Sampling and Analysis of PFAS NYSDEC Part 375 Remedial Programs, April 2023.

Table 3
New York State Department of Environmental Conservation
250 Water Street P-Site Site Characterization
New York, New York
Summary of Results of Analysis of Soil Vapor and Ambient Air

			AA1		AA2		AA3		AA4		SV1		SV2		SV3		SV4		SV5		SV6	
			250WATERST-AA1-AS		250WATERST-AA2-AS		250WATERST-AA3-AS		250WATERST-AA4-AS		250WATERST-SV1-AS		250WATERST-SV2-AS		250WATERST-SV3-AS		250WATERST-SV4-AS		250WATERST-SV5-AS		250WATERST-SV6-AS	
			23G2052-01		23G2052-02		23G2052-03		23G2052-04		23G2605-01/23G2802-01		23G2604-04/23G2800-04		L2474376-01		23G2604-01/23G2059-01/23G2800-01		23G2604-03/23G2800-03		23G2604-02/23G2800-02	
			7/13/2023		7/13/2023		7/13/2023		7/13/2023		7/18/2023		7/17/2023		12/17/2024		7/13/2023		7/17/2023		7/14/2023	
Analysis	Analyte	Unit																				
Volatile Organic Compounds (VOCs)																						
	Acetone	µg/m³	**25**		**19**		**18**		**20**		**55**	**J**	**250**	**J**	*NA*		**100**	**J**	**45**	**J**	**280**	**J**
	Benzene	µg/m³	**0.66**		**0.48**		**0.50**		**0.55**		**3.3**		**4.1**		**2.92**		**7.2**		**1.1**		**660**	
	Benzyl Chloride	µg/m³	0.72	U	0.72	U	0.72	U	0.72	U	0.52	U	0.52	U	0.518	U	0.52	U	0.52	U	0.52	U
	Bromodichloromethane	µg/m³	0.23	U	0.23	U	0.23	U	0.23	U	**0.19**	**J**	0.67	U	0.134	U	0.67	U	0.67	U	0.67	U
	Bromoform	µg/m³	0.36	U	0.36	U	0.36	U	0.36	U	1	U	1	U	0.207	U	1	U	1	U	1	U
	Bromomethane	µg/m³	0.14	U	**0.18**		0.14	U	0.14	U	0.39	U	**0.24**	**J**	0.082	U	0.39	U	0.39	U	0.39	U
	1,3-Butadiene	µg/m³	**0.29**		**0.15**		**0.15**		**0.19**		0.22	UJ	0.22	UJ	*NA*		0.22	UJ	0.22	UJ	0.22	UJ
	2-Butanone (MEK)	µg/m³	**5.6**		**2.5**	**J**	**2.3**	**J**	**2.7**	**J**	**13**		**23**		**102**		**21**		**7.3**	**J**	**68**	
	Carbon disulfide	µg/m³	**1.2**		1.1	U	1.1	U	1.1	U	**2.3**	**J**	**5.4**		*NA*		**4.2**		**3.5**		**280**	
	Carbon tetrachloride	µg/m³	**0.52**		**0.54**		**0.56**		**0.51**		**0.19**	**J**	**0.31**	**J**	**0.434**		**0.42**	**J**	**0.31**	**J**	**5.2**	
	Chlorobenzene	µg/m³	0.16	U	0.16	U	0.16	U	0.16	U	**0.36**	**J**	**0.89**		0.461	U	**0.54**		**0.29**	**J**	0.46	U
	Chloroethane	µg/m³	**0.16**		**0.083**	**J**	**0.10**		**0.10**		0.26	UJ	**0.28**	**J**	0.264	U	0.26	UJ	0.26	UJ	**0.65**	**J**
	Chloroform	µg/m³	**0.25**		**0.25**		**0.23**		**0.32**		**5.9**		**12**		**0.859**		**0.95**		**1.8**		**44**	
	Chloromethane	µg/m³	**1.4**		**1.2**		**1.2**		**1.5**		**0.23**	**J**	**4.4**		**0.985**		**1.0**		**0.34**	**J**	**5.1**	
	Cyclohexane	µg/m³	**0.17**		**0.14**		**0.14**		**0.21**		**3.5**		**1.7**		**1.17**		**4.4**		**1.5**		**52**	
	Dibromochloromethane	µg/m³	0.3	U	0.3	U	0.3	U	0.3	U	0.85	U	0.85	U	0.17	U	0.85	U	0.85	U	0.85	U
	1,2-Dibromoethane	µg/m³	0.27	U	0.27	U	0.27	U	0.27	U	**0.26**	**J**	**0.26**	**J**	0.154	U	**0.28**	**J**	0.77	U	**0.32**	**J**
	1,2-Dichlorobenzene	µg/m³	0.21	U	0.21	U	0.21	U	0.21	U	0.6	U	0.6	U	0.12	U	0.6	U	0.6	U	0.6	U
	1,3-Dichlorobenzene	µg/m³	0.21	U	0.21	U	0.21	U	0.21	U	0.6	U	**14**		0.12	U	**9.3**		0.6	U	0.6	U
	1,4-Dichlorobenzene	µg/m³	**0.096**	**J**	0.21	U	**0.096**	**J**	0.21	U	0.6	U	**0.28**	**J**	0.12	U	**0.24**	**J**	0.6	U	0.6	U
	Dichlorodifluoromethane	µg/m³	**3.5**	**J**	**3.3**	**J**	**3.8**	**J**	**3.3**	**J**	**1.5**		**1.8**		**2.97**		**1.3**		**1.5**		**2.1**	
	1,1-Dichloroethane	µg/m³	0.14	U	0.14	U	0.14	U	0.14	U	0.4	U	0.4	U	0.081	U	**0.31**	**J**	0.4	U	0.4	U
	1,2-Dichloroethane	µg/m³	**0.062**	**J**	**0.059**	**J**	0.14	U	0.14	U	0.4	U	0.4	U	**0.085**		0.4	U	0.4	U	0.4	U
	1,1-Dichloroethene	µg/m³	0.14	U	0.14	U	0.14	U	0.14	U	0.4	U	0.4	U	0.079	U	0.4	U	0.4	U	0.4	U
	cis-1,2-Dichloroethene	µg/m³	0.14	U	0.14	U	0.14	U	0.14	U	0.4	U	0.4	U	0.079	U	0.4	U	**0.18**	**J**	**0.40**	
	trans-1,2-Dichloroethene	µg/m³	**0.088**	**J**	**0.053**	**J**	0.14	U	**0.055**	**J**	0.4	U	0.4	U	0.079	U	**0.29**	**J**	0.4	U	0.4	U
	1,2-Dichloropropane	µg/m³	**0.045**	**J**	0.16	U	0.16	U	0.16	U	0.46	U	0.46	U	0.092	U	0.46	U	0.46	U	0.46	U
	cis-1,3-Dichloropropene	µg/m³	0.16	U	0.16	U	0.16	U	0.16	U	0.45	U	0.45	U	0.091	U	0.45	U	0.45	U	0.45	U
	trans-1,3-Dichloropropene	µg/m³	0.16	U	0.16	U	0.16	U	0.16	U	0.45	U	0.45	U	0.091	U	0.45	U	0.45	U	0.45	U
	1,2-Dichlorotetrafluoroethane (Freon-114)	µg/m³	**0.15**	**J**	**0.14**	**J**	**0.13**	**J**	**0.16**	**J**	0.7	U	0.7	U	0.349	UJ	0.7	U	0.7	U	0.7	U
	1,4-Dioxane	µg/m³	1.3	U	1.3	U	1.3	U	1.3	U	3.6	U	3.6	U	0.36	U	3.6	U	3.6	U	3.6	U
	Ethanol	µg/m³	**29**	**J**	**22**	**J**	**28**	**J**	**23**	**J**	**9.6**	**J**	**810**	**E**	**10.1**	**J**	**870**	**J**	**8.4**	**J**	**22**	**J**
	Ethyl acetate	µg/m³	**1.2**	**J**	**0.54**	**J**	**0.74**	**J**	**2.6**		3.6	U	**6.6**		*NA*		**5.4**		3.6	U	3.6	U

Notes:
E - Value reported over verified calibration range.
J - Estimated value.
NA - Not analyzed
U - Analyte was not detected at specified quantitation limit.
UJ - Estimated non-detect.
µg - micrograms.
µg/m3 - micrograms per cubic meter.

Values in **bold** indicate the analyte was detected.

Table 3
New York State Department of Environmental Conservation
250 Water Street P-Site Site Characterization
New York, New York
Summary of Results of Analysis of Soil Vapor and Ambient Air

			AA1		AA2		AA3		AA4		SV1		SV2		SV3		SV4		SV5		SV6	
			250WATERST-AA1-AS		250WATERST-AA2-AS		250WATERST-AA3-AS		250WATERST-AA4-AS		250WATERST-SV1-AS		250WATERST-SV2-AS		250WATERST-SV3-AS		250WATERST-SV4-AS		250WATERST-SV5-AS		250WATERST-SV6-AS	
			23G2052-01		23G2052-02		23G2052-03		23G2052-04		23G2605-01/23G2802-01		23G2604-04/23G2800-04		L2474376-01		23G2604-01/23G2059-01/23G2800-01		23G2604-03/23G2800-03		23G2604-02/23G2800-02	
			7/13/2023		7/13/2023		7/13/2023		7/13/2023		7/18/2023		7/17/2023		12/17/2024		7/13/2023		7/17/2023		7/14/2023	
Analysis	Analyte	Unit																				
Volatile Organic Compounds (VOCs)																						
	Ethylbenzene	µg/m³	**0.30**		**0.24**		**0.27**		**0.30**		**2.1**		**1.1**		**21.8**		**16**		**5.3**		**26**	
	p-Ethyltoluene	µg/m³	**0.086**	**J**	**0.075**	**J**	0.17	U	0.17	U	**1.6**		**0.56**		*NA*		**2.7**		**3.9**		**13**	
	Heptane	µg/m³	**0.32**		**0.24**		**0.24**		**0.34**		**0.80**		**1.7**		**6.72**		**4.0**		**1.9**		**50**	
	Hexachlorobutadiene	µg/m³	0.37	U	0.37	U	0.37	U	0.37	U	1.1	U	1.1	U	0.533	U	1.1	U	1.1	U	1.1	U
	n-Hexane	µg/m³	4.9	U	4.9	U	4.9	U	4.9	U	14	U	14	U	**3.67**		**5.4**	**J**	14	U	**83**	
	2-Hexanone	µg/m³	**0.46**	**J**	**0.21**	**J**	**0.27**	**J**	**0.18**	**J**	**0.77**		**1.9**		*NA*		**2.0**		**1.5**		0.41	U
	Isopropanol	µg/m³	**3.4**	**J**	**2.4**	**J**	**2.5**	**J**	**4.2**		9.8	UJ	**13**	**J**	*NA*		**130**	**J**	9.8	UJ	**4.9**	**J**
	Methyl tert-butyl ether	µg/m³	0.13	U	0.13	U	0.13	U	0.13	U	0.36	U	0.36	U	0.721	U	0.36	U	0.36	U	0.36	U
	Methylene chloride	µg/m³	**0.50**	**J**	**0.51**	**J**	**0.50**	**J**	**0.51**	**J**	3.5	U	3.5	U	1.74	U	**0.94**	**J**	3.5	U	**1.2**	**J**
	4-Methyl-2-pentanone	µg/m³	**0.31**		0.14	U	**0.19**		0.14	U	**0.43**		**2.4**		**3.61**		**2.6**		**1.1**		0.41	U
	Naphthalene	µg/m³	**0.34**	**J**	0.18	UJ	**0.13**	**J**	**0.15**	**J**	**4.4**	**J**	**6.2**	**J**	**2.72**		**3.5**	**J**	**7.7**	**J**	**3.4**	**J**
	Propylene	µg/m³	**2.7**		**1.8**	**J**	2.4	U	**2.2**	**J**	6.9	U	**41**		*NA*		**13**		6.9	U	**1,100**	
	Styrene	µg/m³	**0.12**	**J**	0.15	U	0.15	U	**0.080**	**J**	**0.37**	**J**	**0.48**		**2.52**		**7.7**		**1.1**		**2.5**	
	Tert-Butyl Alcohol	µg/m³	*NA*		*NA*		*NA*		*NA*		*NA*		*NA*		**36.4**		*NA*		*NA*		*NA*	
	1,1,2,2-Tetrachloroethane	µg/m³	0.24	U	0.24	U	0.24	U	0.24	U	0.69	U	0.69	U	**0.35**		0.69	U	0.69	U	0.69	U
	Tetrachloroethene	µg/m³	**0.24**		**0.20**	**J**	**0.25**		**0.42**		**14**		**3.1**		**602**	**E**	**5.7**		**52**		**86**	
	Tetrahydrofuran	µg/m³	**0.44**	**J**	1	U	1	U	1	U	2.9	U	**4.6**		*NA*		**34**		2.9	U	**0.84**	**J**
	Toluene	µg/m³	**1.9**		**1.2**		**1.2**		**1.6**		**3.4**		**12**		**58**		**91**		**7.2**		**120**	
	1,2,4-Trichlorobenzene	µg/m³	0.26	U	0.26	U	0.26	U	0.26	U	0.74	U	0.74	U	0.371	U	0.74	U	0.74	U	0.74	U
	1,1,1-Trichloroethane	µg/m³	0.19	U	0.19	U	0.19	U	0.19	U	0.55	U	0.55	U	0.109	U	0.55	U	0.55	U	0.55	U
	1,1,2-Trichloroethane	µg/m³	0.19	U	0.19	U	0.19	U	0.19	U	0.55	U	0.55	U	0.109	U	0.55	U	0.55	U	0.55	U
	2,2,4-Trimethylpentane	µg/m³	*NA*		*NA*		*NA*		*NA*		*NA*		*NA*		**2.28**		*NA*		*NA*		*NA*	
	Trichloroethene	µg/m³	0.19	U	0.19	U	0.19	U	0.19	U	**1.3**		0.54	U	**2.4**		**0.25**	**J**	**0.37**	**J**	**0.47**	**J**
	Trichlorofluoromethane	µg/m³	**1.6**		**1.6**		**1.7**		**1.5**		**1.1**	**J**	**2.7**		**1.52**		**0.89**	**J**	**1.1**	**J**	**2.6**	
	1,1,2-Trichloro- 1,2,2-trifluoroethane (Freon-113)	µg/m³	**0.68**	**J**	**0.63**	**J**	**0.64**	**J**	**0.58**	**J**	**0.49**	**J**	**0.49**	**J**	**0.644**		**0.41**	**J**	**0.43**	**J**	**0.44**	**J**
	1,2,4-Trimethylbenzene	µg/m³	**0.43**		**0.27**		**0.30**		**0.34**		**12**		**4.7**		**36.7**		**15**		**29**		**42**	
	1,3,5-Trimethylbenzene	µg/m³	**0.12**	**J**	0.17	U	0.17	U	**0.093**	**J**	**2.9**		**0.82**		**6.78**	**J**	**3.3**		**7.2**		**12**	
	Vinyl acetate	µg/m³	**8.1**		**2.8**		**2.9**		**3.2**		**5.1**	**J**	**26**		*NA*		**13**		**4.5**	**J**	7	U
	Vinyl chloride	µg/m³	0.089	U	0.089	U	0.089	U	0.089	U	0.26	U	**0.25**	**J**	0.051	U	0.26	U	0.26	U	**0.19**	**J**
	m,p-Xylene	µg/m³	**0.89**		**0.70**		**0.74**		**0.88**		**10**		**4.0**		**86.9**		**36**		**28**		**68**	
	o-Xylene	µg/m³	**0.49**		**0.30**		**0.32**		**0.42**		**6.3**		**1.9**		**35.7**		**15**		**14**		**31**	
Metals																						
	Mercury	total µg	*NA*		*NA*		*NA*		*NA*		0.010	U	0.010	U	0.020	U	0.010	U	0.010	U	0.010	U

Notes:
E - Value reported over verified calibration range.
J - Estimated value.
NA - Not analyzed
U - Analyte was not detected at specified quantitation limit.
UJ - Estimated non-detect.
µg - micrograms.
µg/m3 - micrograms per cubic meter.
Values in **bold** indicate the analyte was detected.

APPENDIX A
GEOPHYSICAL ENGINEERING SURVEY REPORTS

GEOPHYSICAL ENGINEERING SURVEY REPORT

Commercial Site
250 Water Street,
New York, New York 10038

NOVA PROJECT NUMBER:
23-3228

DATED:
July 18, 2023

PREPARED FOR:

1430 Broadway, 10th Floor
New York, New York 10018
www.trccompanies.com

PREPARED BY:

NOVA
GEOPHYSICAL
ENGINEERING
Subsurface Mapping Solutions
56-01 Marathon Parkway # 765
Douglaston, New York 11362
347-556-7787 (PHONE)
718-261-1527(FAX)
www.nova-gsi.com

NOVA GEOPHYSICAL SERVICES

SUBSURFACE MAPPING SOLUTIONS
56-01 Marathon Parkway #765, Douglaston, New York 11362
Ph. 347-556-7787 Fax. 718-261-1527
www.novagsi.com

July 18, 2023

Michael Kensell, IG
Project Scientist
TRC
1430 Broadway, 10th Floor
New York, New York 10018
P: 646.437.7728 | E: MKensell@trccompanies.com

Re: Geophysical Engineering Survey (GES) Report
Commercial Site
250 Water Street,
New York, New York 10038

Dear Mr. Kensell,

Nova Geophysical Services (NOVA) is pleased to provide the findings of the geophysical engineering survey (GES) at the above referenced project site: 462 1st Avenue, New York, New York (the "Site").

INTRODUCTION TO GEOPHYSICAL ENGINEERING SURVEY (GES)

NOVA performed a geophysical engineering survey (GES) consisting of a Ground Penetrating Radar (GPR) and Electromagnetic (EM) survey at the site. The purpose of this survey is to locate and identify utilities, underground storage tanks and other substructures that maybe located at the proposed boring areas on July 10th, 2023.

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

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

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

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

GEOPHYSICAL METHODS

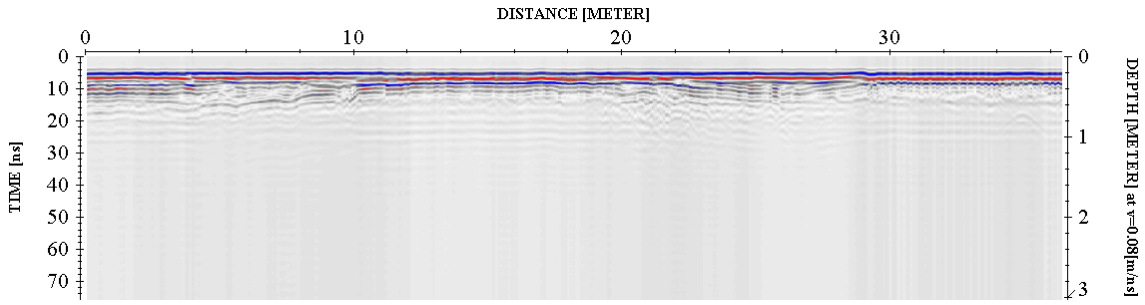
The project site was screened using GPR to search the specified area and inspected for reflections, which could be indicative of substructures and utilities within the subsurface. An EM utility locator was used to determine the locations of utilities within the survey area.

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

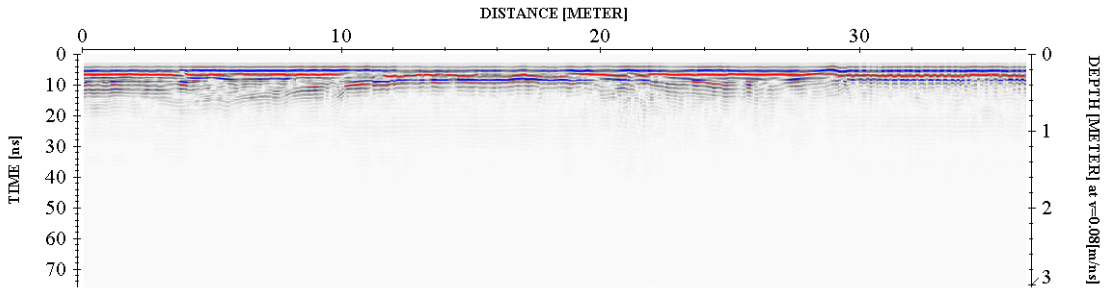
DATA PROCESSING

In order to improve the quality of the results and to better identify anomalies NOVA processed the collected data. The processing work flow is briefly described in this section.

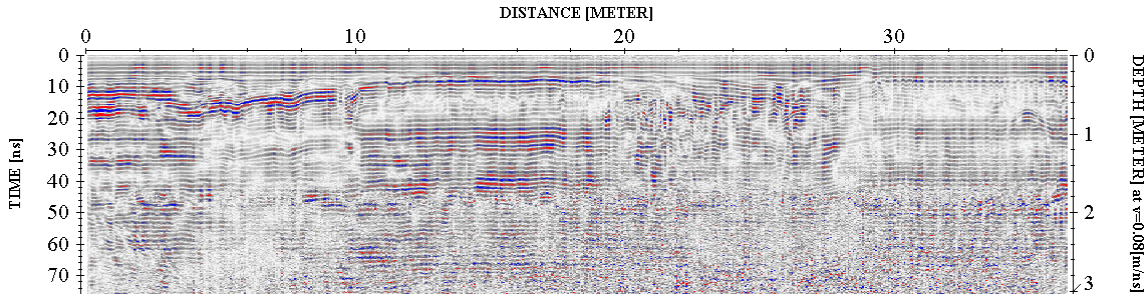
Step 1. Import Raw RAMAC data to standard processing format



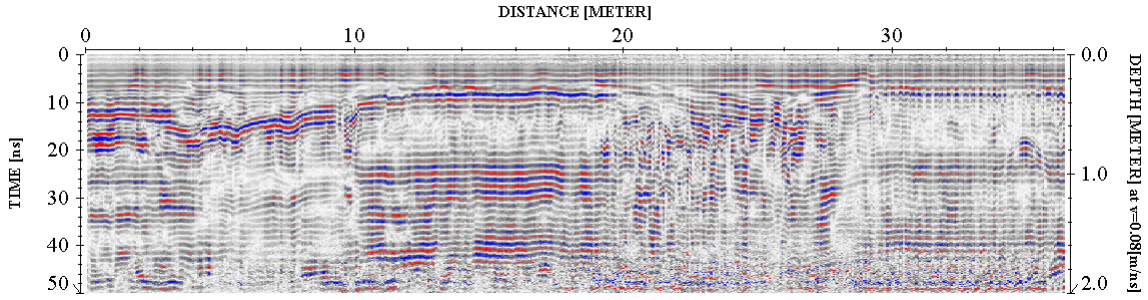
Step 2. Remove instrument noise *(dewow)*



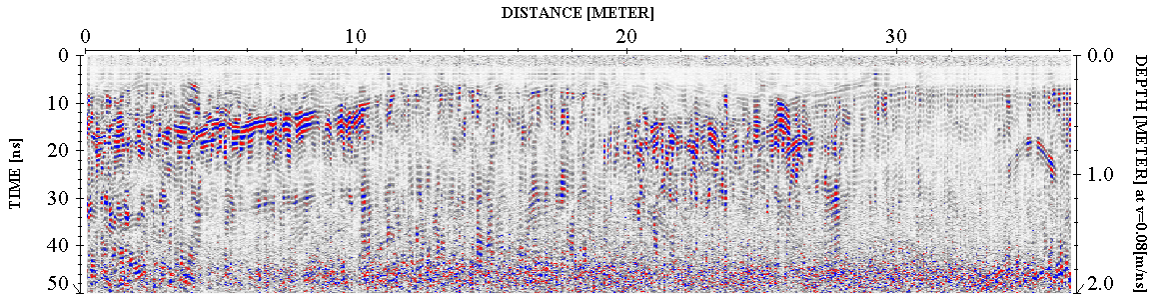
Step 3. Correct for attenuation losses *(energy decay function)*



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



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



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

PHYSICAL SETTINGS

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

Weather: Clear

Temperature: 85° F

Surface: Concrete, Gravel, Asphalt

Survey Parameters: A ground penetrating radar (GPR) grid scan was conducted within the survey areas as shown in the survey plan. The line spacing of the grid survey was approximately 2'. Additional GPR data was collected over features of interest. A utility locator was used in conjunction with GPR throughout the survey areas.

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

RESULTS

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

- Anomalies resembling potential subsurface utilities (such as electric, sewer, water, telecom, steam and gas) were identified within the surveyed areas. Anomalies resembling potential subsurface utilities were identified but could not be connected to known utilities. The approximate locations are shown in the survey plan.
- The GES did not identify any large geophysical anomalies resembling a potential underground storage tank (UST) at the surveyed areas.
- NOVA cleared and marked all proposed boring locations during the onsite mark out.

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

Sincerely,

NOVA Geophysical Services

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

Project Manager

Attachments:

Location Map

Survey Plan

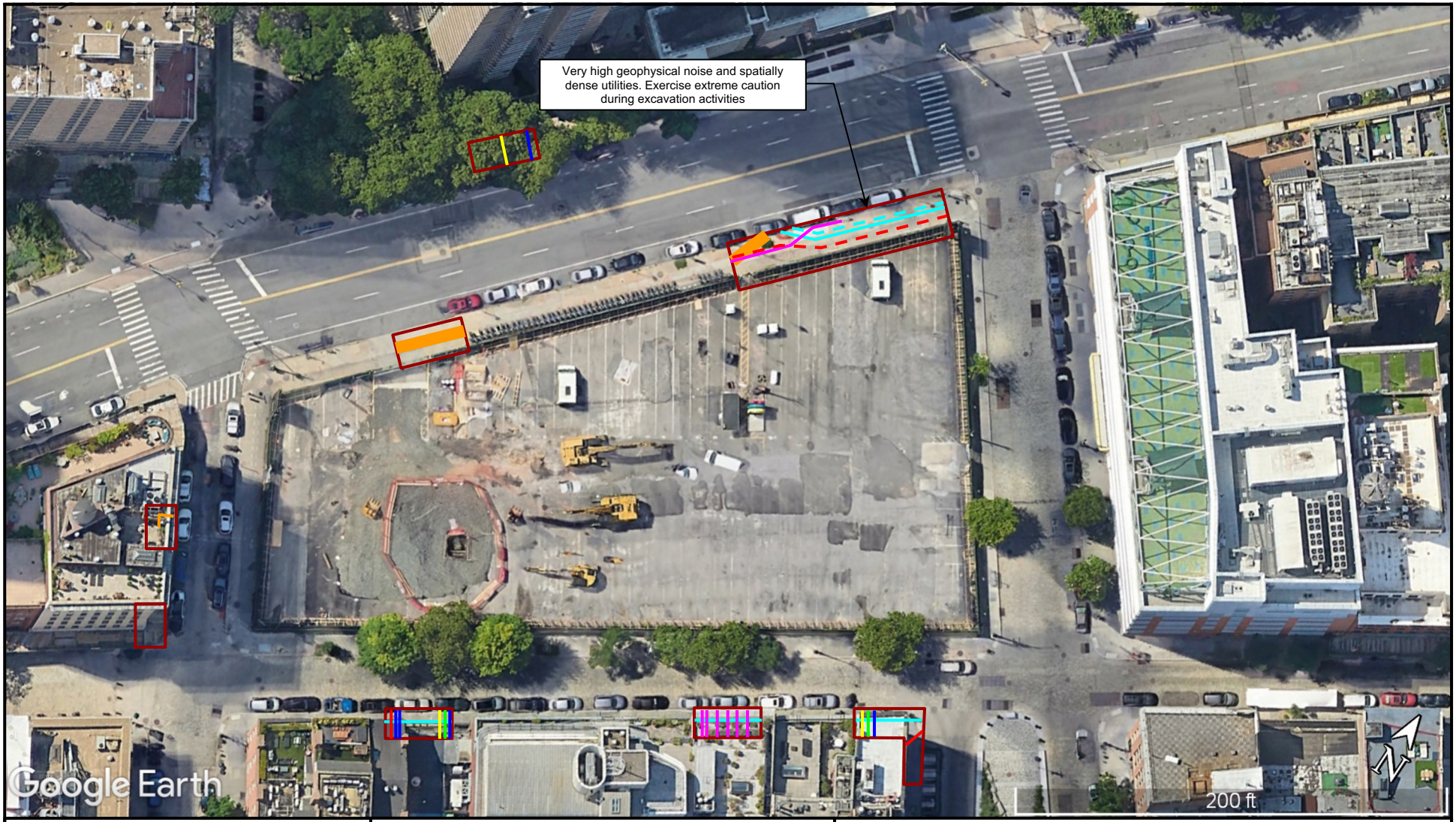
Geophysical Images

NOVA
Geophysical Services
Subsurface Mapping Solutions
56-01 Marathon Parkway, # 765
Douglaston, New York 11362
Phone (347) 556-7787 * Fax (718) 261-1527
www.novagsi.com

Location Map

SITE:	**Commercial Site** 250 Water Street, New York, New York 10038
CLIENT:	TRC
DATE:	July 10th, 2023
AUTH:	Chris Steinley

LEGEND



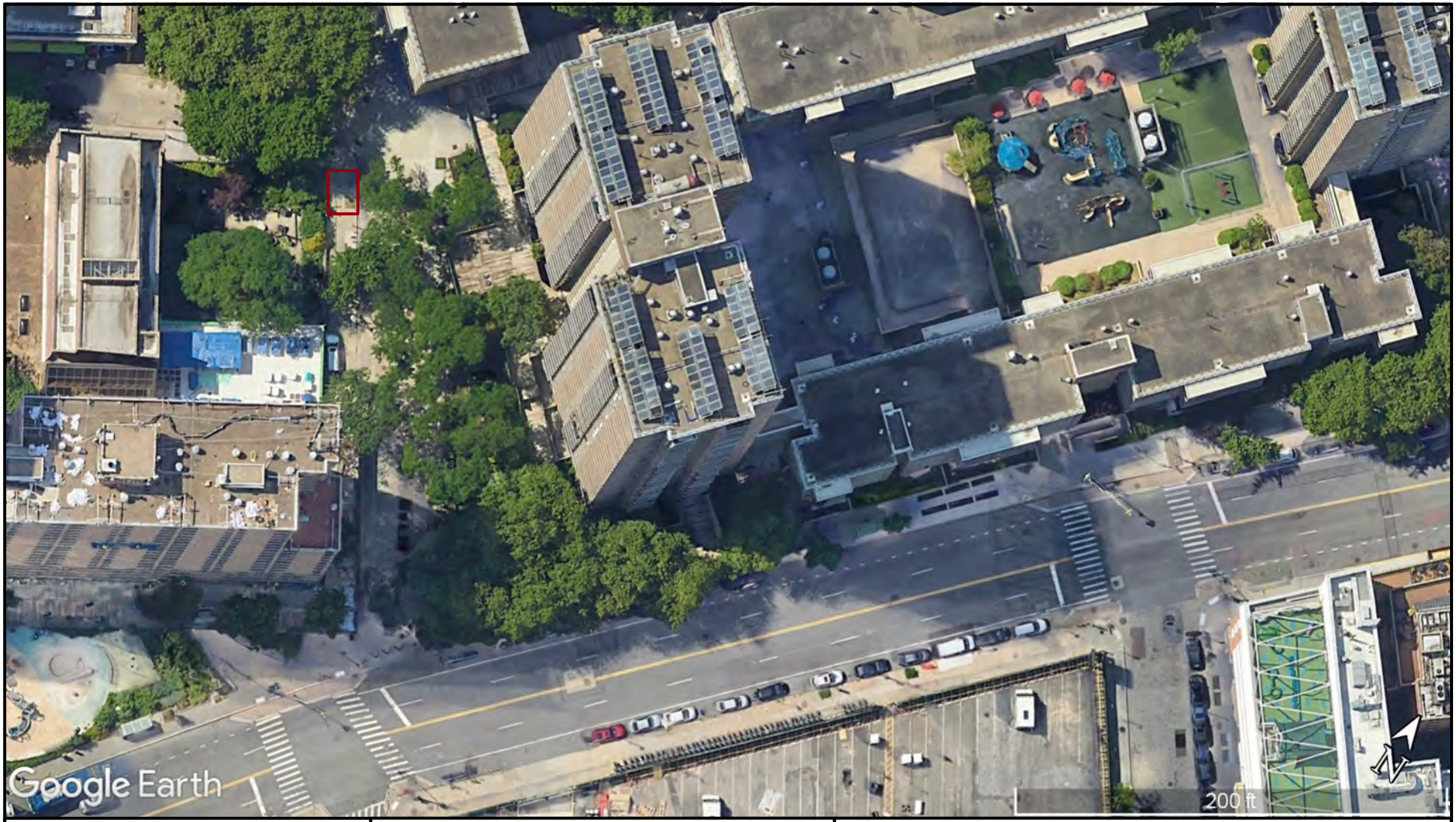
NOVA
Geophysical Services
Subsurface Mapping Solutions
56-01 Marathon Parkway, # 765
Douglaston, New York 11362
Phone (347) 556-7787 * Fax (718) 261-1527
www.novagsi.com

SURVEY PLAN

SITE:	**Commercial Site** 250 Water Street, New York, New York 10038
CLIENT:	TRC
DATE:	July 10th, 2023
AUTH:	Chris Steinley

LEGEND

- Survey Area
- Electric
- Sewer
- Telecom
- Steam
- Unknown
- Water



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SURVEY PLAN

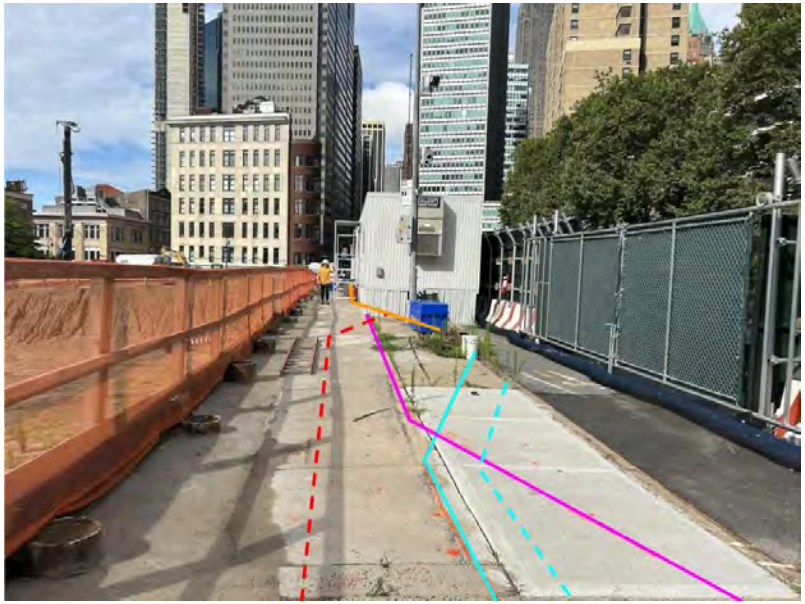
SITE:	**Commercial Site** 250 Water Street, New York, New York 10038
CLIENT:	TRC
DATE:	July 10th, 2023
AUTH:	Chris Steinley

LEGEND

- Survey Area
- Electric
- Sewer
- Telecom
- Steam
- Unknown

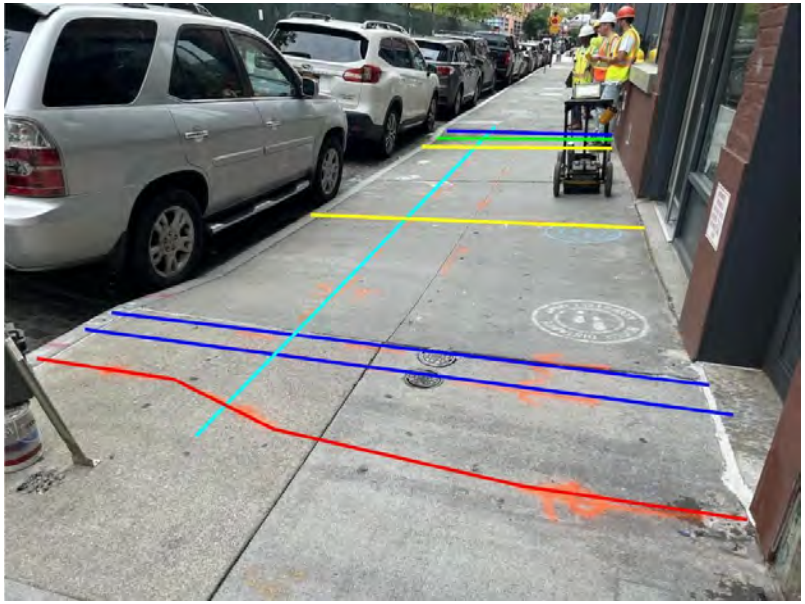
GEOPHYSICAL IMAGES

Commercial Site
250 Water Street,
New York, New York 10038
July 10th, 2023



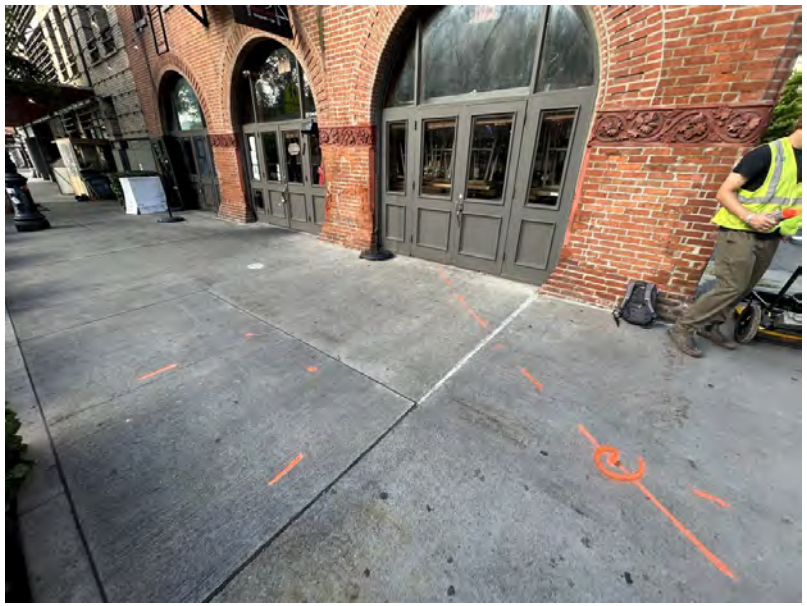
GEOPHYSICAL IMAGES

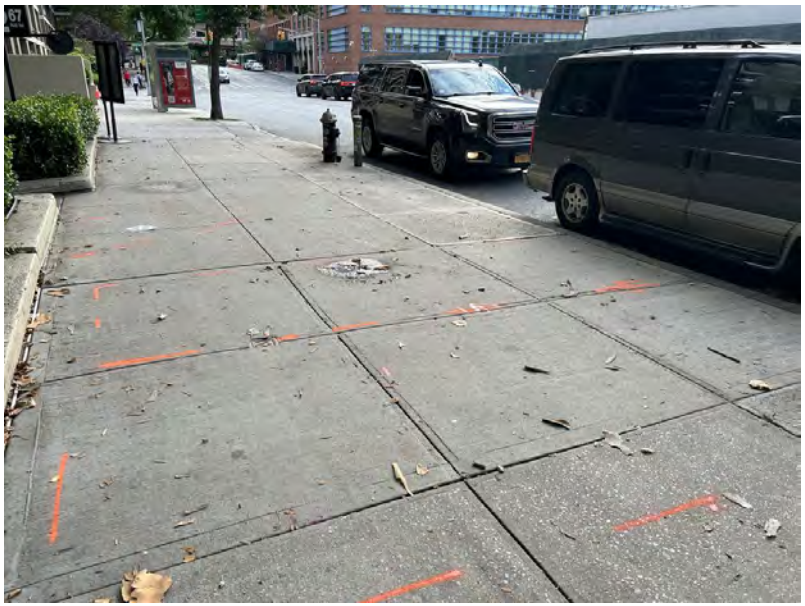
Commercial Site
250 Water Street,
New York, New York 10038
July 10th, 2023

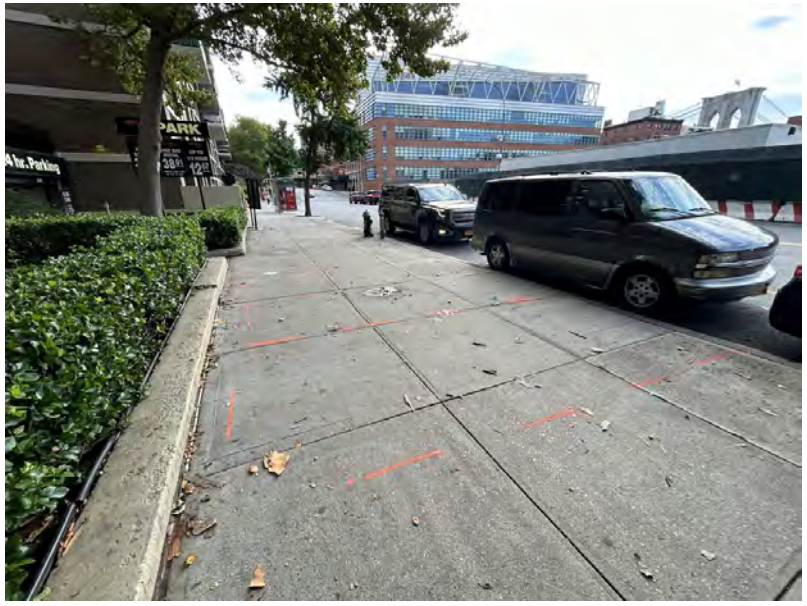


GEOPHYSICAL IMAGES

Commercial Site
250 Water Street,
New York, New York 10038
July 10th, 2023

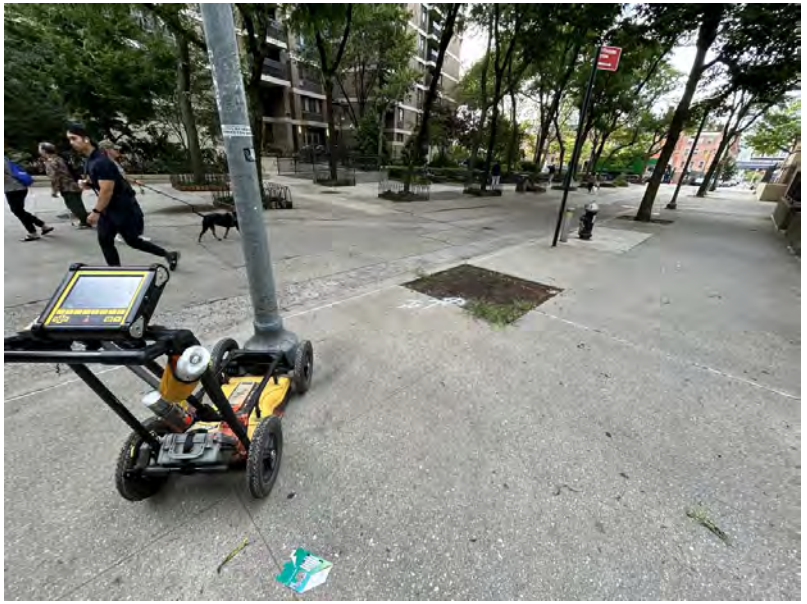






GEOPHYSICAL IMAGES

Commercial Site
250 Water Street,
New York, New York 10038
July 10th, 2023



GEOPHYSICAL IMAGES

Commercial Site
250 Water Street,
New York, New York 10038
July 10th, 2023

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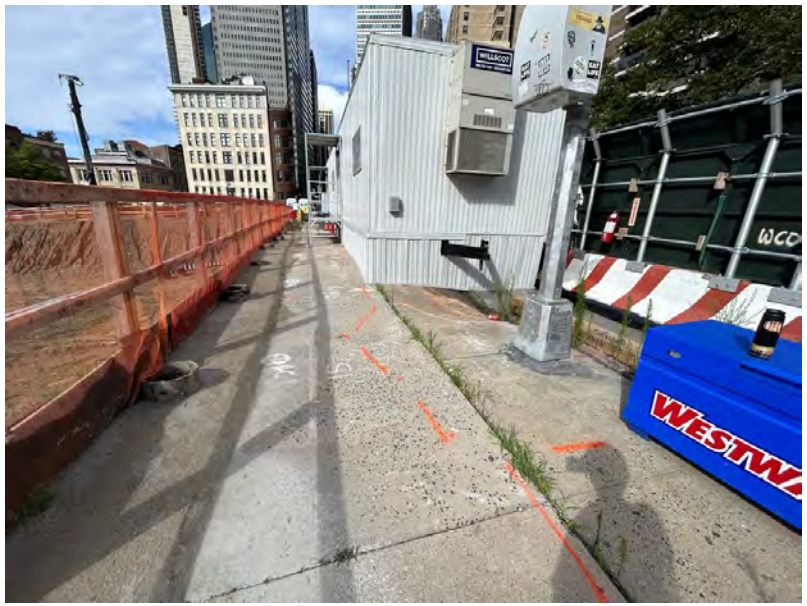
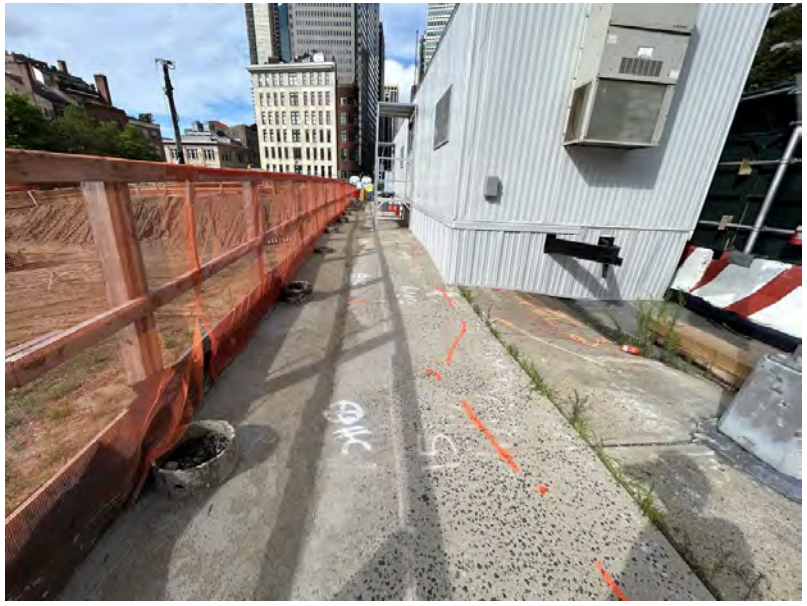
July 10th, 2023





GEOPHYSICAL IMAGES

Commercial Site
250 Water Street,
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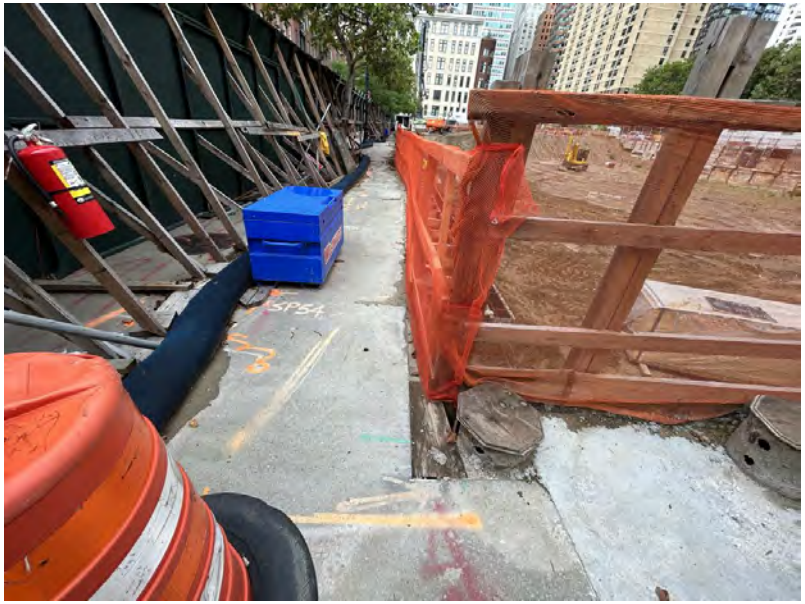
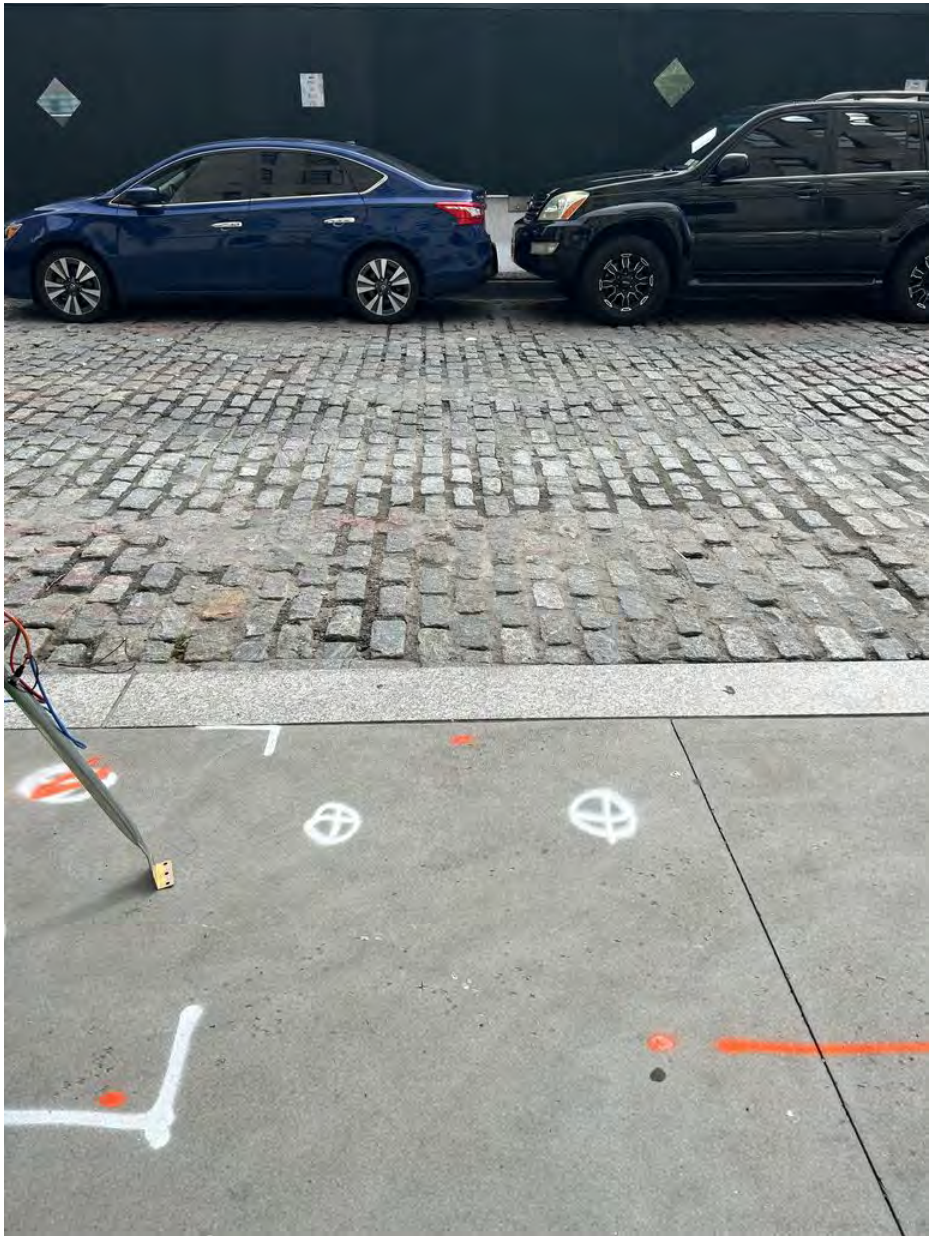
July 10th, 2023



GEOPHYSICAL IMAGES

Commercial Site
250 Water Street,
New York, New York 10038
July 10th, 2023



GEOPHYSICAL IMAGES

Commercial Site
250 Water Street,
New York, New York 10038
July 10th, 2023

GEOPHYSICAL IMAGES

Commercial Site
250 Water Street,
New York, New York 10038
July 10th, 2023

GEOPHYSICAL ENGINEERING SURVEY REPORT

250 Water Street,
New York, NY 10038

NOVA PROJECT NUMBER:
24-4451

DATED:
December 18th, 2024

PREPARED FOR:

1407 Broadway Suite 3301, New York, NY 10018
trccompanies.com

PREPARED BY:

NOVA
GEOPHYSICAL
ENGINEERING
Subsurface Mapping Solutions
56-01 Marathon Parkway # 765
Douglaston, New York 11362
347-556-7787 (PHONE)
718-261-1527(FAX)
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NOVA GEOPHYSICAL SERVICES

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

December 18, 2024

Michael Kensell, IG
Project Scientist
TRC
1430 Broadway, 10th Floor
New York, New York 10018
P: 646.437.7728 | E: MKensell@trccompanies.com

Re: Geophysical Engineering Survey (GES) Report
250 Water Street,
New York, New York 10038

Dear Mr. Kensell;

Nova Geophysical Services (NOVA) is pleased to provide the findings of the geophysical engineering survey (GES) at the above referenced project site: 250 Water Street, New York, NY (the "Site").

INTRODUCTION TO GEOPHYSICAL ENGINEERING SURVEY (GES)

NOVA performed a geophysical engineering survey (GES) consisting of a Ground Penetrating Radar (GPR) and Electromagnetic (EM) survey at the site. The purpose of this survey is to locate and identify utilities, underground storage tanks and other substructures at the project site on December 17th, 2024.

The equipment selected for this investigation was a GSSI UtilityScan 350 MHz ground penetrating radar (GPR) with a shielded antenna Sensors and Software Noggin 250 MHz GPR with a shielded antenna and a RadioDetection RD7100 Electromagnetic utility locator. A GPR system consists of a radar control unit, control cable, and transducer (antenna). The control unit transmits a trigger pulse at a normal repetition

rate of 250/350 MHz. The trigger pulse is sent to the transmitter electronics in the transducer via the control cable. The transmitter electronics amplify the trigger pulse into bipolar pulses that are radiated to the surface. The transformed pulses vary in shape and frequency according to the transducer used. In the subsurface, variations of the signal occur at boundaries where there is a dielectric contrast (void, steel, soil type, etc.). Signal reflections travel back to the control unit and are represented as color graphic images for interpolation.

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

GEOPHYSICAL METHODS

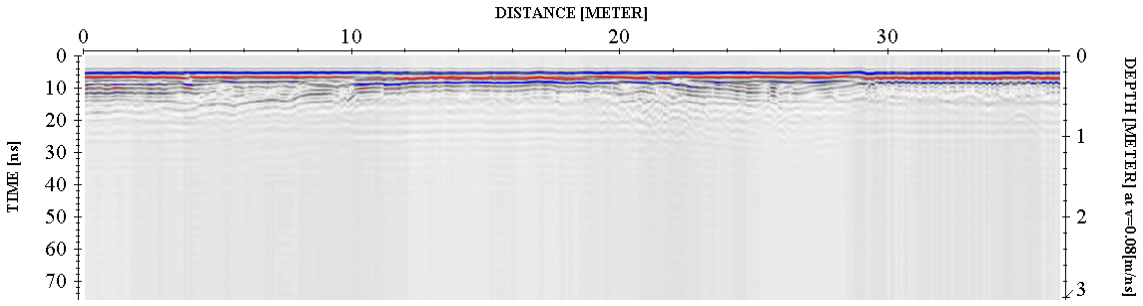
The project site was screened using GPR to search the specified area and inspected for reflections, which could be indicative of substructures and utilities within the subsurface. An EM utility locator was used to help determine the locations of utilities within the survey area.

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

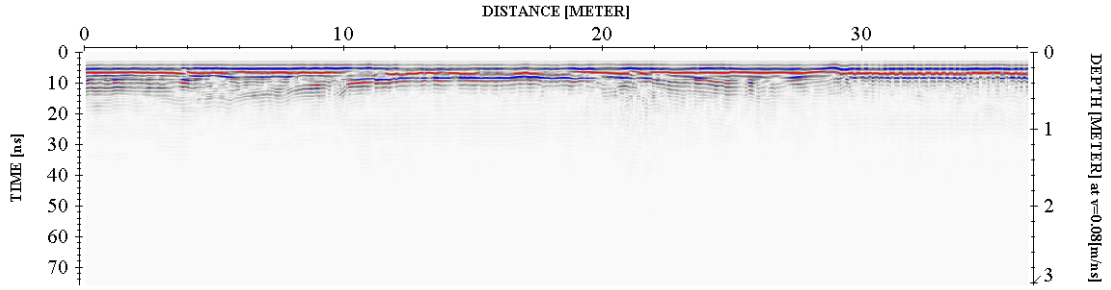
DATA PROCESSING

In order to improve the quality of the results and to better identify anomalies NOVA processed the collected data. The processing work flow is briefly described in this section.

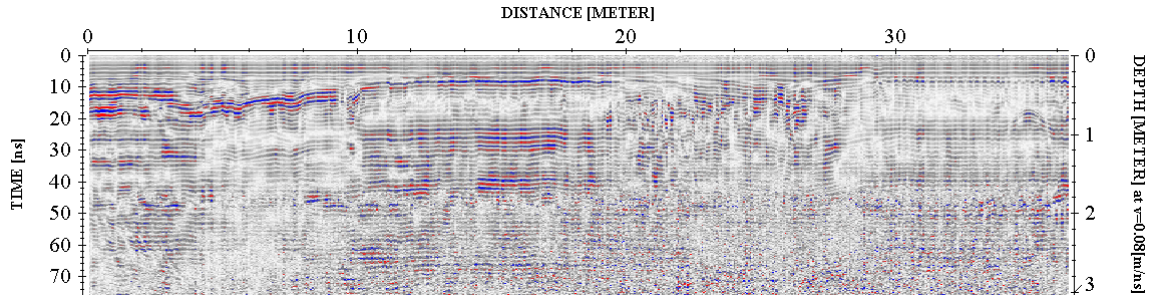
Step 1. Import Raw RAMAC data to standard processing format



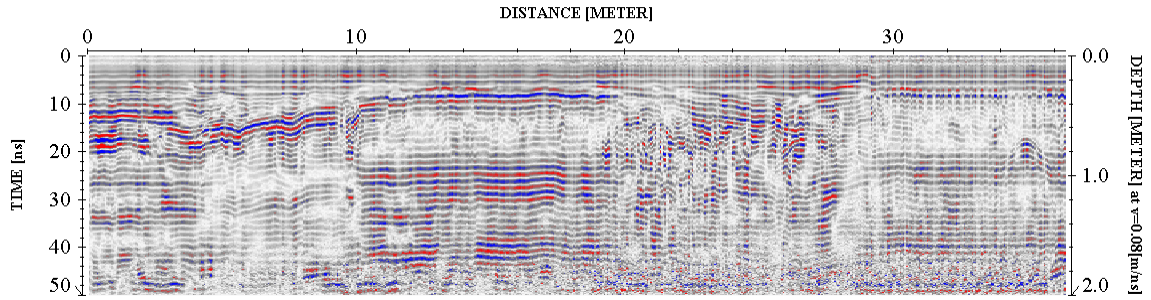
Step 2. Remove instrument noise *(dewow)*



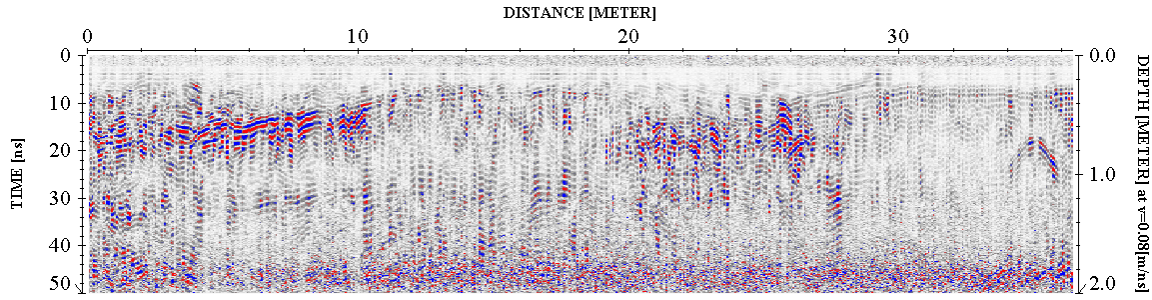
Step 3. Correct for attenuation losses *(energy decay function)*



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



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



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

PHYSICAL SETTINGS

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

Weather: Cloudy

Temperature: 48° F

Surface: Concrete/ Pavement/

Survey Parameters: A GPR grid scan was conducted within the survey areas as shown on the survey plan. The approximate line spacing of the grid survey was approximately 5'. Additional GPR data was collected over features of interest.

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

RESULTS

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

- Anomalies resembling potential subsurface utilities (such as electric, communication, and steam) were identified within the survey area. The approximate locations are shown in the survey plan.
- NOVA marked all identified utilities on-site.
- The GES did not identify any geophysical anomalies resembling potential underground storage tanks at the surveyed areas.
- NOVA cleared all proposed drilling locations and adjusted them as needed.

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

Sincerely,

NOVA Geophysical Services

Levent Eskicakit, P.G., E.P.
Project Manager

Attachments:

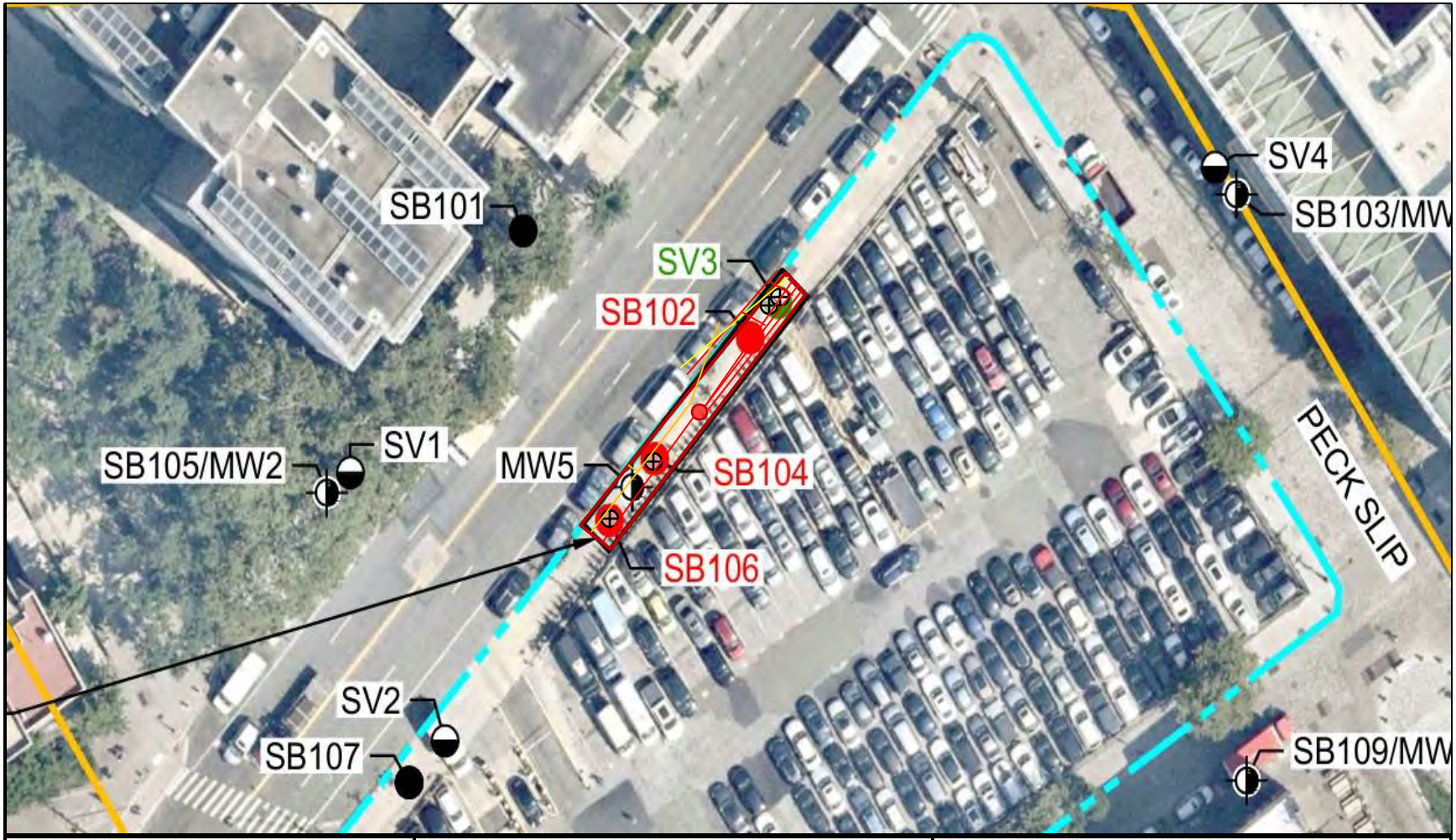
Location Map
Survey Plan
Geophysical Images

NOVA
Geophysical Services
Subsurface Mapping Solutions
56-01 Marathon Parkway, # 765
Douglaston, New York 11362
Phone (347) 556-7787 * Fax (718) 261-1527
www.novagsi.com

Location Map

SITE:	**Commercial Site** 250 Water Street, New York, New York 10038
CLIENT:	TRC
DATE:	DECEMBER 17th, 2024
AUTH:	Jason Staunton

LEGEND



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Douglaston, New York 11362
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SURVEY PLAN

SITE:	I 250 Water St, New York, NY 10038
CLIENT:	TRC
DATE:	December 17th, 2024
AUTH:	Jason Staunton

Legend

- Survey Area
- Proposed Boring Location
- Electric
- Steam
- Communication
- Electric cover

GEOPHYSICAL IMAGES

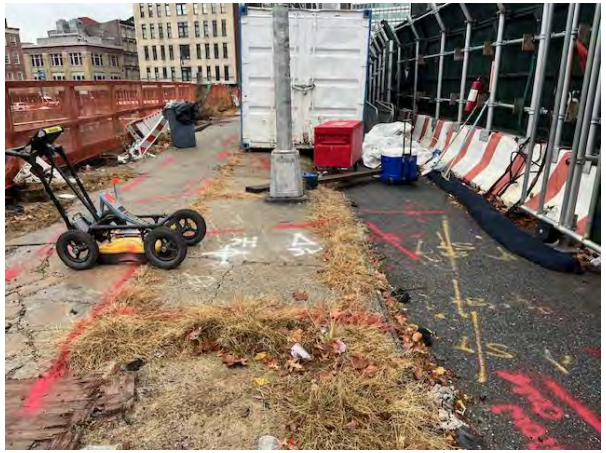
250 Water Street
New York, NY 10038
December 17th, 2024

GEOPHYSICAL IMAGES

250 Water Street
New York, NY 10038
December 17th, 2024

GEOPHYSICAL IMAGES

250 Water Street
New York, NY 10038
December 17th, 2024



GEOPHYSICAL IMAGES

250 Water Street
New York, NY 10038
December 17th, 2024

GEOPHYSICAL IMAGES

250 Water Street
New York, NY 10038
December 17th, 2024

APPENDIX B
SOIL BORING LOGS

SOIL BORING/WELL COMPLETION WITH NOTES_2 - TRC_WINDSOR_STD.GDT - 4/21/25
\\CLIFTONPARK-VFP\CLIFTONPARK\ECR\PROJECTS\NYSDEC\D009812\WORK ASSIGNMENTS\D009812-26 250 WATER STREET - P-SITE\FIELD WORK IMPLEMENTATION\FIELD DOCUMENTS\SOIL BORING LOGS\GINT LOGS\SOIL BORINGS MK-UPDATED.GPJ

BORING NUMBER: **SB101**

PROJECT INFORMATION		BORING INFORMATION			
Project Name:	250 Water Street P-Site Site Characterization	Boring Depth:	25	Hole Diameter:	2"
Project Location:	250 Water Street, New York, NY	Date Started:	7/12/23	Date Completed:	7/12/23
Project Number:	472223.0000.0000	Coordinate System:	Long Island State Plane - NAD83		
Client:	NYSDEC	North:	197406.13	East:	983387.89
Logged By:	Michael Kensell	Vertical Datum:	NAVD88	Ground Elevation:	18.19
Checked By:	Lindsay O'Hara				

DRILLING INFORMATION		GROUND WATER OBSERVATIONS			
Drilling Contractor:	AARCO	MEASUREMENT	▽ At Time of Drilling	▼ At End of Drilling	▽ After Drilling
Driller(s):	Jose Galarza	DATE	7/12/2023		
Drilling Method:	Direct-Push	DEPTH (ft.bgs.)	10		
Equipment/Model:	Geoprobe 7822DT	REFERENCE	Ground Surface	Ground Surface	Ground Surface
Sampler:	4' MACROCORE	STABILIZATION	N/A		

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	MATERIAL DESCRIPTION	◆ VOC SCREENING RESULTS (ppm)
						0 ' - 0.4 ' CONCRETE.	20 40 60 80
	SB101-(2-4)		4.0	2.8		0.4 ' - 5.5 ' Dark brown medium to fine SAND, some wood, asphalt, and concrete (FILL), NO / NS (dry).	
5			4.0	3.4		5.5 ' - 10.6 ' (SW) Reddish brown medium to fine SAND, some fine gravel, some coarse sand, NO / NS (dry to wet).	
10	SB101-(8-10)		4.0	3.8		10.6 ' - 15.2 ' (SP) Reddish brown to brown fine SAND, some medium sand, trace fine gravel, NO / NS (wet).	▽
15			4.0	3.9		15.2 ' - 25 ' (SP) Brown silty fine SAND, trace medium sand, NO / NS (wet).	
20			4.0	3.9			
			4.0	3.9			
25			1.0	0.8			
						Bottom of borehole at 25.0 feet.	
30							

Notes: bgs = below ground surface, NO = No odor, SO = some odor, MO = moderate odor, NS = no staining, tr = trace, s = some; f = fine, m = medium, c = coarse.

SOIL BORING/WELL COMPLETION WITH NOTES_2 - TRC_WINDSOR_STD.GDT - 4/21/25
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BORING NUMBER: **SB102**

PROJECT INFORMATION		BORING INFORMATION			
Project Name:	250 Water Street P-Site Site Characterization	Boring Depth:	14	Hole Diameter:	2"
Project Location:	250 Water Street, New York, NY	Date Started:	12/17/24	Date Completed:	12/17/24
Project Number:	472223.0000.0000	Coordinate System:	Long Island State Plane - NAD83		
Client:	NYSDEC	North:	197409.57	East:	983493.36
Logged By:	Michael Kensell	Vertical Datum:	NAVD88	Ground Elevation:	18.73
Checked By:	Lindsay O'Hara				

DRILLING INFORMATION	
Drilling Contractor:	AARCO
Driller(s):	Rudy Gonzalez
Drilling Method:	Direct-Push
Equipment/Model:	Geoprobe 7822DT
Sampler:	5' MACROCORE

GROUND WATER OBSERVATIONS			
MEASUREMENT	▽ At Time of Drilling	▼ At End of Drilling	▼ After Drilling
DATE	12/17/2024		
DEPTH (ft.bgs.)	10		
REFERENCE	Ground Surface	Ground Surface	Ground Surface
STABILIZATION	N/A		

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	MATERIAL DESCRIPTION	◆ VOC SCREENING RESULTS (ppm)
						0 '- 0.4 ' CONCRETE.	20 40 60 80
5	SB102-(0-2), SB102-(2-4)		5.0	2.7		0.4 '- 14 ' Dark brown to black gravelly SAND, some brick, ceramic, asphalt, and concrete (FILL), NO / NS, (dry to wet).	
10	SB102-(4-6), SB102-(6-8), SB102-(8-10)		5.0	3.2			
	SB102-(10-12), SB102-(12-14)		4.0	3.1			
15						Bottom of borehole at 14.0 feet.	
20							
25							
30							

Notes: bgs = below ground surface, NO = No odor, SO = some odor, MO = moderate odor, NS = no staining, tr = trace, s = some; f = fine, m = medium, c = coarse.

BORING NUMBER: **SB103**
Page 1 of 1

PROJECT INFORMATION		BORING INFORMATION			
Project Name:	250 Water Street P-Site Site Characterization	Boring Depth:	25	Hole Diameter:	2"
Project Location:	250 Water Street, New York, NY	Date Started:	7/11/23	Date Completed:	7/11/23
Project Number:	472223.0000.0000	Coordinate System:	Long Island State Plane - NAD83		
Client:	NYSDEC	North:	197438.36	East:	983654.52
Logged By:	Michael Kensell	Vertical Datum:	NAVD88	Ground Elevation:	10.06
Checked By:	Lindsay O'Hara				

DRILLING INFORMATION	
Drilling Contractor:	AARCO
Driller(s):	Jose Galarza
Drilling Method:	Direct-Push
Equipment/Model:	Geoprobe 7822DT
Sampler:	5' MACROCORE

GROUND WATER OBSERVATIONS			
MEASUREMENT	▽ At Time of Drilling	▼ At End of Drilling	▼ After Drilling
DATE	7/11/2023		
DEPTH (ft.bgs.)	9		
REFERENCE	Ground Surface	Ground Surface	Ground Surface
STABILIZATION	N/A		

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	MATERIAL DESCRIPTION	◆VOC SCREENING RESULTS (ppm) 20 40 60 80
5	SB103-(2-4)		5.0	2.9		0 '- 0.3 ' CONCRETE. 0.3 '- 8 ' Dark brown fine SAND, some medium sand, some fine gravel, trace brick and asphalt (FILL), NO / NS (dry).	
10	SB103-(7-9)		5.0	4.2		8 '- 10 ' (SP) Light brown fine SAND, some medium sand, trace fine gravel, NO / NS (moist). ▽ 10 '- 11.5 ' (SP) Reddish brown fine SAND, some silt, trace fine gravel, NO / NS (wet).	
15			5.0	4.5		11.5 '- 18.9 ' (SP-SM) Reddish brown to brown silty fine SAND, trace medium sand and fine gravel, NO / NS (wet).	
20			5.0	4.2		18.9 '- 23.9 ' (SP-SM) Light brown to brown silty fine SAND, NO / NS (wet).	
25			5.0	4.4		23.9 '- 25 ' (SW) Dark brown medium to coarse SAND, some fine gravel, NO / NS (wet).	
30						Bottom of borehole at 25.0 feet.	

Notes: bgs = below ground surface, NO = No odor, SO = some odor, MO = moderate odor, NS = no staining, tr = trace, s = some; f = fine, m = medium, c = coarse.

SOIL BORING/WELL COMPLETION WITH NOTES_2 - TRC_WINDSOR_STD.GDT - 4/21/25
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SOIL BORING/WELL COMPLETION WITH NOTES_2 - TRC_WINDSOR_STD.GDT - 4/21/25
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BORING NUMBER: **SB104**

PROJECT INFORMATION		BORING INFORMATION			
Project Name:	250 Water Street P-Site Site Characterization	Boring Depth:	25	Hole Diameter:	2"
Project Location:	250 Water Street, New York, NY	Date Started:	12/17/24	Date Completed:	12/17/24
Project Number:	472223.0000.0000	Coordinate System:	Long Island State Plane - NAD83		
Client:	NYSDEC	North:	197368.98	East:	983458.44
Logged By:	Michael Kensell	Vertical Datum:	NAVD88	Ground Elevation:	19.01
Checked By:	Lindsay O'Hara				

DRILLING INFORMATION	
Drilling Contractor:	AARCO
Driller(s):	Rudy Gonzalez
Drilling Method:	Direct-Push
Equipment/Model:	Geoprobe 7822DT
Sampler:	5' MACROCORE

GROUND WATER OBSERVATIONS			
MEASUREMENT	▽ At Time of Drilling	▼ At End of Drilling	▽ After Drilling
DATE	12/17/2024		
DEPTH (ft.bgs.)	12		
REFERENCE	Ground Surface	Ground Surface	Ground Surface
STABILIZATION	N/A		

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	MATERIAL DESCRIPTION	◆ VOC SCREENING RESULTS (ppm)
						0 ' - 0.4 ' CONCRETE.	20 40 60 80
5	SB104-(0-2), SB104-(2-4)		5.0	2.7		0.4 ' - 8.5 ' Yellowish brown coarse to fine SAND, some gravel, brick, asphalt, concrete (FILL), NO / NS (dry).	
10	SB104-(4-6), SB104-(6-8), SB104-(8-10)		5.0	4.0		8.5 ' - 11.3 ' (SW) Reddish brown medium to fine SAND, some coarse sand, gravel, and silt, NO / NS (dry to moist).	
15	SB104-(10-12), SB104-(12-14)		5.0	4.3		11.3 ' - 22.3 ' (SP) Reddish brown to grey fine SAND, some medium sand, lenses of silty clay, NO / NS (moist to wet).	
20	SB104-(14-16)		5.0	4.7			
25			5.0	4.7		22.3 ' - 25 ' (SP-SM) Yellowish brown silty fine SAND, some medium sand and clay, NO / NS (wet).	
30						Bottom of borehole at 25.0 feet.	

Notes: bgs = below ground surface, NO = No odor, SO = some odor, MO = moderate odor, NS = no staining, tr = trace, s = some; f = fine, m = medium, c = coarse.

SOIL BORING/WELL COMPLETION WITH NOTES_2 - TRC_WINDSOR_STD.GDT - 4/21/25
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TRC

BORING NUMBER: **SB105**

PROJECT INFORMATION		BORING INFORMATION			
Project Name:	250 Water Street P-Site Site Characterization	Boring Depth:	25	Hole Diameter:	2"
Project Location:	250 Water Street, New York, NY	Date Started:	7/12/23	Date Completed:	7/12/23
Project Number:	472223.0000.0000	Coordinate System:	Long Island State Plane - NAD83		
Client:	NYSDEC	North:	197349.18	East:	983337.56
Logged By:	Michael Kensell	Vertical Datum:	NAVD88	Ground Elevation:	16.59
Checked By:	Lindsay O'Hara				

DRILLING INFORMATION	
Drilling Contractor:	AARCO
Driller(s):	Jose Galarza
Drilling Method:	Direct-Push
Equipment/Model:	Geoprobe 7822DT
Sampler:	5' MACROCORE

GROUND WATER OBSERVATIONS			
MEASUREMENT	▽ At Time of Drilling	▼ At End of Drilling	▽ After Drilling
DATE	7/12/2023		
DEPTH (ft.bgs.)	15		
REFERENCE	Ground Surface	Ground Surface	Ground Surface
STABILIZATION	N/A		

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	MATERIAL DESCRIPTION	◆ VOC SCREENING RESULTS (ppm)
						0 ' - 0.3 ' CONCRETE.	20 40 60 80
	SB105-(2-4)		5.0	3.0		0.3 ' - 10 ' Dark brown fine SAND, some brick, asphalt, and concrete (FILL), NO / NS (dry).	
5							
			5.0	2.8			
10						10 ' - 16.8 ' Brown fine SAND, some brick, asphalt, and concrete, trace wood (FILL), NO / NS (moist to wet).	
	SB105-(13-15)		5.0	2.5			
15							
			5.0	3.3		16.8 ' - 18.5 ' (SW) Greyish brown medium to fine SAND, some coarse sand and fine gravel, NO / NS (wet).	
20						18.5 ' - 25 ' (SP) Light brown fine SAND, some fine gravel, NO / NS (wet).	
			5.0	4.8			
25							
						Bottom of borehole at 25.0 feet.	
30							

Notes: bgs = below ground surface, NO = No odor, SO = some odor, MO = moderate odor, NS = no staining, tr = trace, s = some; f = fine, m = medium, c = coarse.

SOIL BORING/WELL COMPLETION WITH NOTES_2 - TRC_WINDSOR_STD.GDT - 4/21/25
\\CLIFTONPARK-VFP\CLIFTONPARK\ECR\PROJECTS\NYSDEC\D009812\WORK ASSIGNMENTS\D009812-26 250 WATER STREET - P-SITE\FIELD WORK IMPLEMENTATION\FIELD DOCUMENTS\SOIL BORING LOGS\GINT LOGS\SOIL BORINGS MK-UPDATED.GP

TRC

BORING NUMBER: **SB106**

PROJECT INFORMATION		BORING INFORMATION			
Project Name:	250 Water Street P-Site Site Characterization	Boring Depth:	25	Hole Diameter:	2"
Project Location:	250 Water Street, New York, NY	Date Started:	12/17/24	Date Completed:	12/17/24
Project Number:	472223.0000.0000	Coordinate System:	Long Island State Plane - NAD83		
Client:	NYSDEC	North:	197360.37	East:	983451.5
Logged By:	Michael Kensell	Vertical Datum:	NAVD88	Ground Elevation:	19.1
Checked By:	Lindsay O'Hara				

DRILLING INFORMATION		GROUND WATER OBSERVATIONS			
Drilling Contractor:	AARCO	MEASUREMENT	▽ At Time of Drilling	▼ At End of Drilling	▽ After Drilling
Driller(s):	Rudy Gonzalez	DATE	12/17/2024		
Drilling Method:	Direct-Push	DEPTH (ft.bgs.)	12		
Equipment/Model:	Geoprobe 7822DT	REFERENCE	Ground Surface	Ground Surface	Ground Surface
Sampler:	5' MACROCORE	STABILIZATION	N/A		

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	MATERIAL DESCRIPTION	◆VOC SCREENING RESULTS (ppm) 20 40 60 80
5	SB106-(0-2), SB106-(2-4)		5.0	3.3		0 ' - 0.5 ' CONCRETE. 0.5 ' - 7.3 ' Dark brown to yellowish brown medium to coarse SAND, some brick, wood, concrete, and asphalt (FILL), NO / NS, (dry).	
10	SB106-(4-6), SB106-(6-8), SB106-(8-10)		5.0	3.3		7.3 ' - 16.5 ' (SP) Reddish brown medium to fine SAND, some coarse sand and gravel, lenses of silty clay, NO / NS, (dry to wet).	
15	SB106-(10-12), SB106-(12-14)		5.0	3.5			
20	SB106-(14-16)		5.0	4.2		16.5 ' - 25 ' (SW) Reddish brown to brown coarse to fine SAND, some gravel and silt, NO / NS, (wet).	
25			5.0	4.3			
30						Bottom of borehole at 25.0 feet.	

Notes: bgs = below ground surface, NO = No odor, SO = some odor, MO = moderate odor, NS = no staining, tr = trace, s = some; f = fine, m = medium, c = coarse.

SOIL BORING/WELL COMPLETION WITH NOTES_2 - TRC_WINDSOR_STD.GDT - 4/21/25
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BORING NUMBER: **SB107**

PROJECT INFORMATION		BORING INFORMATION			
Project Name:	250 Water Street P-Site Site Characterization	Boring Depth:	25	Hole Diameter:	2"
Project Location:	250 Water Street, New York, NY	Date Started:	7/17/23	Date Completed:	7/17/23
Project Number:	472223.0000.0000	Coordinate System:	Long Island State Plane - NAD83		
Client:	NYSDEC	North:	197253.89	East:	983356.07
Logged By:	Michael Kensell	Vertical Datum:	NAVD88	Ground Elevation:	17.09
Checked By:	Lindsay O'Hara				

DRILLING INFORMATION		GROUND WATER OBSERVATIONS			
Drilling Contractor:	AARCO	MEASUREMENT	▽ At Time of Drilling	▼ At End of Drilling	▽ After Drilling
Driller(s):	Jose Galarza	DATE	7/17/2023		
Drilling Method:	Direct-Push	DEPTH (ft.bgs.)	15		
Equipment/Model:	Geoprobe 7822DT	REFERENCE	Ground Surface	Ground Surface	Ground Surface
Sampler:	5' MACROCORE	STABILIZATION	N/A		

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	MATERIAL DESCRIPTION	◆ VOC SCREENING RESULTS (ppm) 20 40 60 80
						0 '- 0.3 ' CONCRETE.	
	SB107-(2-4)		5.0	2.4		0.4 '- 9 ' Brown medium to fine SAND, some fine gravel, brick, ceramic, asphalt, and concrete (FILL), NO / NS, (dry).	
5							
			5.0	2.5			
10						9 '- 13.8 ' (SP) Light brown to greyish brown medium to fine SAND, some coarse sand, some fine gravel, NO / NS (dry).	
	SB107-(13-15)		5.0	3.0			
15						13.8 '- 15 ' (SP) Brown fine SAND, some medium sand, trace fine gravel, NO / NS (moist). ▽	
			5.0	3.2		15 '- 22.2 ' (SP) Brown fine SAND, some coarse to medium sand and fine gravel, NO / NS (wet).	
20							
			5.0	3.0		22.2 '- 25 ' (SP) Brown fine SAND, some medium sand, trace silt, NO / NS (wet).	
25							
						Bottom of borehole at 25.0 feet.	
30							

Notes: bgs = below ground surface, NO = No odor, SO = some odor, MO = moderate odor, NS = no staining, tr = trace, s = some; f = fine, m = medium, c = coarse.

SOIL BORING/WELL COMPLETION WITH NOTES_2 - TRC_WINDSOR_STD.GDT - 4/21/25
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TRC

BORING NUMBER: **SB108**

PROJECT INFORMATION		BORING INFORMATION			
Project Name:	250 Water Street P-Site Site Characterization	Boring Depth:	25	Hole Diameter:	2"
Project Location:	250 Water Street, New York, NY	Date Started:	7/14/23	Date Completed:	7/14/23
Project Number:	472223.0000.0000	Coordinate System:	Long Island State Plane - NAD83		
Client:	NYSDEC	North:	197157.52	East:	983340.78
Logged By:	Michael Kensell	Vertical Datum:	NAVD88	Ground Elevation:	11.48
Checked By:	Lindsay O'Hara				

DRILLING INFORMATION	
Drilling Contractor:	AARCO
Driller(s):	Jose Galarza
Drilling Method:	Direct-Push
Equipment/Model:	Geoprobe 7822DT
Sampler:	5' MACROCORE

GROUND WATER OBSERVATIONS			
MEASUREMENT	▽ At Time of Drilling	▼ At End of Drilling	▽ After Drilling
DATE	7/14/2023		
DEPTH (ft.bgs.)	13		
REFERENCE	Ground Surface	Ground Surface	Ground Surface
STABILIZATION	N/A		

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	MATERIAL DESCRIPTION	◆ VOC SCREENING RESULTS (ppm)
						0 ' - 0.5 ' CONCRETE.	20 40 60 80
5	SB108-(2-4)		5.0	2.0		0.5 ' - 6 ' Brown medium to fine SAND, some fine gravel, brick, and concrete (FILL), NO / NS (dry).	
10			5.0	3.0		6 ' - 13.6 ' Brown fine SAND, some medium sand, fine gravel, and brick, trace asphalt and glass (FILL), NO / NS (moist to wet).	
15	SB108-(11-13)		5.0	3.3		13.6 ' - 14.4 ' (SP) Reddish brown medium to fine SAND, some coarse sand, trace fine gravel, NO / NS (wet).	
20			5.0	4.0		14.4 ' - 17.7 ' (SP) Grey coarse to medium SAND, some fine gravel, trace fine sand, NO / NS (wet).	
25			5.0	4.8		17.7 ' - 23.5 ' (SP) Reddish brown fine SAND, some medium sand and fine gravel, NO / NS (wet).	
						23.5 ' - 25 ' (SP-SM) Grey fine SAND, some silt, some clay, trace medium sand, NO / NS (wet).	
30						Bottom of borehole at 25.0 feet.	

Notes: bgs = below ground surface, NO = No odor, SO = some odor, MO = moderate odor, NS = no staining, tr = trace, s = some; f = fine, m = medium, c = coarse.

BORING NUMBER: **SB109**
Page 1 of 1

PROJECT INFORMATION		BORING INFORMATION			
Project Name:	250 Water Street P-Site Site Characterization	Boring Depth:	25	Hole Diameter:	2"
Project Location:	250 Water Street, New York, NY	Date Started:	7/13/23	Date Completed:	7/13/23
Project Number:	472223.0000.0000	Coordinate System:	Long Island State Plane - NAD83		
Client:	NYSDEC	North:	197263.51	East:	983658.04
Logged By:	Michael Kensell	Vertical Datum:	NAVD88	Ground Elevation:	5.75
Checked By:	Lindsay O'Hara				

DRILLING INFORMATION	
Drilling Contractor:	AARCO
Driller(s):	Jose Galarza
Drilling Method:	Direct-Push
Equipment/Model:	Geoprobe 7822DT
Sampler:	5' MACROCORE

GROUND WATER OBSERVATIONS			
MEASUREMENT	▽ At Time of Drilling	▼ At End of Drilling	▼ After Drilling
DATE	7/13/2023		
DEPTH (ft.bgs.)	12		
REFERENCE	Ground Surface	Ground Surface	Ground Surface
STABILIZATION	N/A		

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	MATERIAL DESCRIPTION
	SB109-(2-4)		5.0	2.6		0 ' - 0.3 ' CONCRETE. 0.4 ' - 10 ' Dark brown medium to fine SAND, Some fine gravel, brick, asphalt, and concrete, trace glass and wood (FILL), strong odor / staining (dry).
5						
			5.0	1.0		
10						
	SB109-(10-12)		5.0	3.8		10 ' - 13 ' Dark brown medium to fine SAND, some silt and brick, trace fine gravel (FILL), strong odor / staining (moist to wet).
15						13 ' - 15.9 ' (SM) Dark brown fine SAND, some silt, trace clay, peat, slight odor / staining (wet).
			5.0	4.8		15.9 ' - 20 ' (SP) Dark brown to black fine SAND, some silt, trace medium sand, slight odor / staining (wet).
20						
	SB109-(20-22)		5.0	3.0		20 ' - 25 ' (SP) Greyish to reddish brown fine SAND, some silt, trace medium sand, NO / NS (wet).
25						
30						Bottom of borehole at 25.0 feet.

◆ VOC SCREENING RESULTS (ppm)
3000 6000 9000 12000

Notes: bgs = below ground surface, NO = No odor, SO = some odor, MO = moderate odor, NS = no staining, tr = trace, s = some; f = fine, m = medium, c = coarse.

SOIL BORING/WELL COMPLETION WITH NOTES_2 - TRC_WINDSOR_STD.GDT - 4/21/25
\\CLIFTONPARK-VFP\CLIFTONPARK\ECR\PROJECTS\NYSDEC\D009812\WORK ASSIGNMENTS\D009812-26 250 WATER STREET - P-SITE\FIELD WORK IMPLEMENTATION\FIELD DOCUMENTS\SOIL BORING LOGS\GINT LOGS\SOIL BORINGS MK-UPDATED.GP

SOIL BORING/WELL COMPLETION WITH NOTES_2 - TRC_WINDSOR_STD.GDT - 4/21/25
\\CLIFTONPARK-VFPCLIFTONPARK\ECR\PROJECTS\NYSDEC\D009812\WORK ASSIGNMENTS\D009812-26 250 WATER STREET - P-SITE\FIELD WORK IMPLEMENTATION\FIELD DOCUMENTS\SOIL BORING LOGS\GINT LOGS\SOIL BORINGS MK-UPDATED.GPJ

BORING NUMBER: **SB110**

PROJECT INFORMATION		BORING INFORMATION			
Project Name:	250 Water Street P-Site Site Characterization	Boring Depth:	5	Hole Diameter:	2"
Project Location:	250 Water Street, New York, NY	Date Started:	7/13/23	Date Completed:	7/13/23
Project Number:	472223.0000.0000	Coordinate System:	Long Island State Plane - NAD83		
Client:	NYSDEC	North:	197234.14	East:	983615.83
Logged By:	Michael Kensell	Vertical Datum:	NAVD88	Ground Elevation:	9.9
Checked By:	Lindsay O'Hara				

DRILLING INFORMATION	
Drilling Contractor:	AARCO
Driller(s):	Jose Galarza
Drilling Method:	Direct-Push
Equipment/Model:	Geoprobe 7822DT
Sampler:	5' MACROCORE

GROUND WATER OBSERVATIONS			
MEASUREMENT	▽ At Time of Drilling	▼ At End of Drilling	▼ After Drilling
DATE			
DEPTH (ft.bgs.)	Not Observed		
REFERENCE	Ground Surface	Ground Surface	Ground Surface
STABILIZATION			

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	MATERIAL DESCRIPTION	◆ VOC SCREENING RESULTS (ppm)
							20 40 60 80
5	SB110-(2-4)		5.0	4.0		0 '- 0.3 ' CONCRETE. 0.3 '- 5 ' Brown fine SAND, some medium sand, brick, and concrete (FILL), NO / NS (dry).	
						Bottom of borehole at 5.0 feet.	
10							
15							
20							
25							
30							

Notes: bgs = below ground surface, NO = No odor, SO = some odor, MO = moderate odor, NS = no staining, tr = trace, s = some; f = fine, m = medium, c = coarse.

SOIL BORING/WELL COMPLETION WITH NOTES_2 - TRC_WINDSOR_STD.GDT - 4/21/25
\\CLIFTONPARK-VFP\CLIFTONPARK\ECR\PROJECTS\NYSDEC\D009812\WORK ASSIGNMENTS\D009812-26 250 WATER STREET - P-SITE\FIELD WORK IMPLEMENTATION\FIELD DOCUMENTS\SOIL BORING LOGS\GINT LOGS\SOIL BORINGS MK-UPDATED.GPJ

TRC

BORING NUMBER: **SB111**

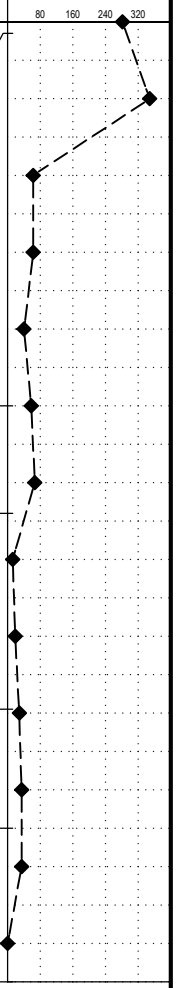
PROJECT INFORMATION		BORING INFORMATION			
Project Name:	250 Water Street P-Site Site Characterization	Boring Depth:	25	Hole Diameter:	2"
Project Location:	250 Water Street, New York, NY	Date Started:	7/14/23	Date Completed:	7/14/23
Project Number:	472223.0000.0000	Coordinate System:	Long Island State Plane - NAD83		
Client:	NYSDEC	North:	197154.18	East:	983495.74
Logged By:	Michael Kensell	Vertical Datum:	NAVD88	Ground Elevation:	10.4
Checked By:	Lindsay O'Hara				

DRILLING INFORMATION	
Drilling Contractor:	AARCO
Driller(s):	Jose Galarza
Drilling Method:	Direct-Push
Equipment/Model:	Geoprobe 7822DT
Sampler:	5' MACROCORE

GROUND WATER OBSERVATIONS			
MEASUREMENT	▽ At Time of Drilling	▼ At End of Drilling	▽ After Drilling
DATE	7/14/2023		
DEPTH (ft.bgs.)	10		
REFERENCE	Ground Surface	Ground Surface	Ground Surface
STABILIZATION	N/A		

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	MATERIAL DESCRIPTION
	SB111-(2-4)		5.0	3.1		0 '- 0.3 ' CONCRETE. 0.3 '- 10 ' Dark brown medium to fine SAND, some coarse sand, brick, and asphalt (FILL), moderate odor / staining (dry to moist).
5						
	SB111-(8-10)		5.0	2.1		
10						10 '- 12.8 ' (SP) Grey to dark brown fine SAND, some medium sand and silt, trace fine gravel, moderate odor / staining (wet).
			5.0	3.6		12.8 '- 17.9 ' (SM) Grey to greyish brown fine SAND, some silt, trace clay, peat, NO / staining (wet).
15						
			5.0	4.0		17.9 '- 21 ' (SM) Grey silty fine SAND, trace clay, NO / staining (wet).
20						
	SB111-(22-24)		5.0	4.8		21 '- 25 ' (SP) Reddish brown to greyish fine SAND, trace medium sand, NO / NS (wet).
25						
						Bottom of borehole at 25.0 feet.
30						

◆ VOC SCREENING RESULTS (ppm)



Notes: bgs = below ground surface, NO = No odor, SO = some odor, MO = moderate odor, NS = no staining, tr = trace, s = some; f = fine, m = medium, c = coarse.

SOIL BORING/WELL COMPLETION WITH NOTES_2 - TRC_WINDSOR_STD.GDT - 4/21/25
\\CLIFTONPARK-VFP\CLIFTONPARK\IECR\PROJECTS\NYSDEC\D009812\WORK ASSIGNMENTS\D009812-26 250 WATER STREET - P-SITE\FIELD WORK IMPLEMENTATION\FIELD DOCUMENTS\SOIL BORING LOGS\GINT LOGS\SOIL BORINGS MK-UPDATED.GPJ

BORING NUMBER: **SB112**

PROJECT INFORMATION		BORING INFORMATION			
Project Name:	250 Water Street P-Site Site Characterization	Boring Depth:	20	Hole Diameter:	2"
Project Location:	250 Water Street, New York, NY	Date Started:	7/14/23	Date Completed:	7/14/23
Project Number:	472223.0000.0000	Coordinate System:	Long Island State Plane - NAD83		
Client:	NYSDEC	North:	197112.93	East:	983362.21
Logged By:	Michael Kensell	Vertical Datum:	NAVD88	Ground Elevation:	9.75
Checked By:	Lindsay O'Hara				

DRILLING INFORMATION	
Drilling Contractor:	AARCO
Driller(s):	Jose Galarza
Drilling Method:	Direct-Push
Equipment/Model:	Geoprobe 7822DT
Sampler:	5' MACROCORE

GROUND WATER OBSERVATIONS			
MEASUREMENT	▽ At Time of Drilling	▼ At End of Drilling	▽ After Drilling
DATE	7/14/2024		
DEPTH (ft.bgs.)	10		
REFERENCE	Ground Surface	Ground Surface	Ground Surface
STABILIZATION	N/A		

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	MATERIAL DESCRIPTION	◆ VOC SCREENING RESULTS (ppm)
						0 '- 0.4 ' CONCRETE.	20 40 60 80
5	SB112-(2-4)		5.0	2.5		0.4 '- 10 ' Dark brown to brown medium to fine SAND, some fine gravel, brick, asphalt, and concrete (FILL), NO / NS (dry).	
10	SB112-(8-10)		5.0	2.5			
15			5.0	5.0		10 '- 16 ' (SP) Reddish brown to grey fine SAND, some medium sand and silt, NO / NS (moist to wet).	
20			5.0	4.8		16 '- 18.1 ' (SP-SM) Grey silty fine SAND, trace fine gravel, NO / NS (wet).	
						18.1 '- 20 ' (SP) Reddish brown fine SAND, some medium sand, NO / NS (wet).	
25						Bottom of borehole at 20.0 feet.	
30							

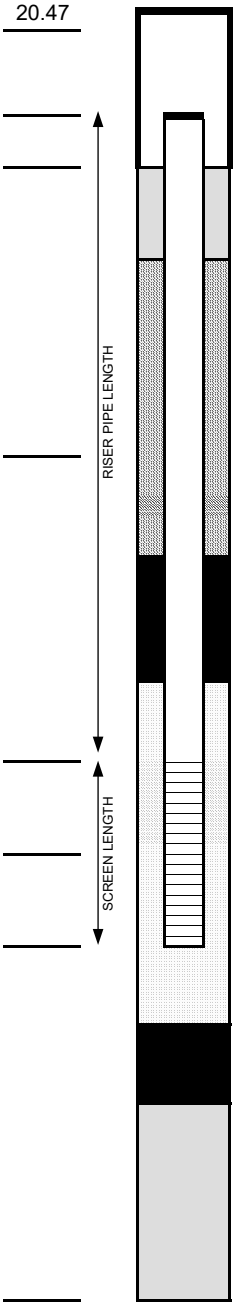
Notes: bgs = below ground surface, NO = No odor, SO = some odor, MO = moderate odor, NS = no staining, tr = trace, s = some; f = fine, m = medium, c = coarse.

APPENDIX C
WELL CONSTRUCTION LOGS

WELL CONSTRUCTION DIAGRAM (FLUSH-MOUNT)

PROJ. NAME: 250 Water Street P-Site			WELL ID: **MW1**
PROJ. NO: 472223	DATE INSTALLED: 7/13/2023	INSTALLED BY: Jose Galarza (AARCO)	CHECKED BY: Lindsay O'Hara

ELEVATION (BENCHMARK: USGS)	DEPTH /HEIGHT RELATIVE TO GROUND SURFACE (FEET)
20.47	0.0 GROUND SURFACE
	4" TOP OF CASING
	SURFACE SEAL MATERIAL
	N/A
	N/A SURFACE SEAL
	GROUT/BACKFILL MATERIAL
	SAND (NO. 02)
	6' SAND
	BENTONITE SEAL MATERIAL
	BENTONITE PELLETS
	8' BENTONITE SEAL
	10' TOP OF SCREEN
	CHOCKER SAND (NO. 00)
	FILTER PACK MATERIAL
	SAND (NO. 02)
	BOTTOM OF SCREEN
	25' BOTTOM OF FILTER PACK
	N/A BENTONITE PLUG
	BACKFILL MATERIAL
	25' HOLE BOTTOM



NOTES:

CASING AND SCREEN DETAILS

TYPE OF RISER: 2-INCH PVC

PIPE SCHEDULE: 40

PIPE JOINTS: THREADED O-RINGS

SCREEN TYPE: 2-INCH PVC

SCR. SLOT SIZE: 0.01-INCH

BOREHOLE DIAMETER: 4 IN. FROM 0 TO 25 FT.
____ IN. FROM ____ TO ____ FT.

SURF. CASING DIAMETER: 2 IN. FROM 0 TO 25 FT.
____ IN. FROM ____ TO ____ FT.

WELL DEVELOPMENT

DEVELOPMENT METHOD: SURGE AND PUMP

TIME DEVELOPING: 0.5 HOURS

WATER REMOVED: 30 GALLONS

WATER ADDED: 0 GALLONS

WATER CLARITY BEFORE / AFTER DEVELOPMENT

CLARITY BEFORE: TURBID

COLOR BEFORE: BROWN

CLARITY AFTER: VERY GOOD

COLOR AFTER: CLEAR

ODOR (IF PRESENT): NO ODOR

WATER LEVEL SUMMARY

MEASUREMENT (FEET)			DATE	TIME
DTB BEFORE DEVELOPING:	SEE WELL DEVELOPMENT LOG			
DTB AFTER DEVELOPING:				
SWL BEFORE DEVELOPING:	N/A	T/PVC		
SWL AFTER DEVELOPING:	N/A	T/PVC		
OTHER SWL:	N/A	T/PVC		
OTHER SWL:	N/A	T/PVC		

PROTECTIVE CASING DETAILS

PERMANENT, LEGIBLE WELL LABEL ADDED? ☐ YES ☑ NO

PROTECTIVE COVER AND LOCK INSTALLED? ☑ YES ☐ NO

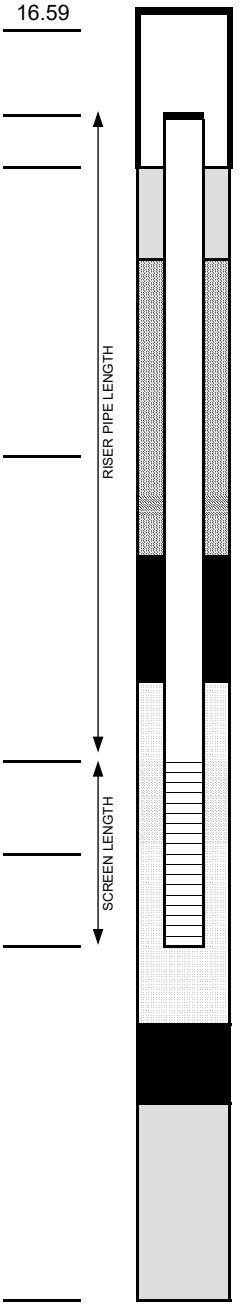
LOCK KEY NUMBER: N/A

REVISED 11/2013

WELL CONSTRUCTION DIAGRAM (FLUSH-MOUNT)

PROJ. NAME: 250 Water Street P-Site			WELL ID: **MW2**
PROJ. NO: 472223	DATE INSTALLED: 7/12/2023	INSTALLED BY: Jose Galarza (AARCO)	CHECKED BY: Lindsay O'Hara

ELEVATION (BENCHMARK: USGS)	DEPTH /HEIGHT RELATIVE TO GROUND SURFACE (FEET)
16.59	0.0 GROUND SURFACE
	5" TOP OF CASING
	SURFACE SEAL MATERIAL
	N/A
	N/A SURFACE SEAL
	GROUT/BACKFILL MATERIAL
	SAND (NO. 02)
	6' SAND
	BENTONITE SEAL MATERIAL
	BENTONITE PELLETS
	8' BENTONITE SEAL
	10' TOP OF SCREEN
	CHOCKER SAND (NO. 00)
	FILTER PACK MATERIAL
	SAND (NO. 02)
	BOTTOM OF SCREEN
	25' BOTTOM OF FILTER PACK
	N/A BENTONITE PLUG
	BACKFILL MATERIAL
	25' HOLE BOTTOM



NOTES:

CASING AND SCREEN DETAILS

TYPE OF RISER: 2-INCH PVC

PIPE SCHEDULE: 40

PIPE JOINTS: THREADED O-RINGS

SCREEN TYPE: 2-INCH PVC

SCR. SLOT SIZE: 0.01-INCH

BOREHOLE DIAMETER: 4 IN. FROM 0 TO 25 FT.
____ IN. FROM ____ TO ____ FT.

SURF. CASING DIAMETER: 2 IN. FROM 0 TO 25 FT.
____ IN. FROM ____ TO ____ FT.

WELL DEVELOPMENT

DEVELOPMENT METHOD: SURGE AND PUMP

TIME DEVELOPING: 0.5 HOURS

WATER REMOVED: 40 GALLONS

WATER ADDED: 0 GALLONS

WATER CLARITY BEFORE / AFTER DEVELOPMENT

CLARITY BEFORE: TURBID

COLOR BEFORE: DARK BROWN

CLARITY AFTER: VERY GOOD

COLOR AFTER: CLEAR

ODOR (IF PRESENT): NO ODOR

WATER LEVEL SUMMARY

MEASUREMENT (FEET)			DATE	TIME
DTB BEFORE DEVELOPING:	SEE WELL DEVELOPMENT LOG			
DTB AFTER DEVELOPING:				
SWL BEFORE DEVELOPING:	N/A	T/PVC		
SWL AFTER DEVELOPING:	N/A	T/PVC		
OTHER SWL:	N/A	T/PVC		
OTHER SWL:	N/A	T/PVC		

PROTECTIVE CASING DETAILS

PERMANENT, LEGIBLE WELL LABEL ADDED? ☐ YES ☑ NO

PROTECTIVE COVER AND LOCK INSTALLED? ☑ YES ☐ NO

LOCK KEY NUMBER: N/A

WELL CONSTRUCTION DIAGRAM (FLUSH-MOUNT)

PROJ. NAME: 250 Water Street P-Site			WELL ID: **MW3**
PROJ. NO: 472223	DATE INSTALLED: 7/11/2023	INSTALLED BY: Jose Galarza (AARCO)	CHECKED BY: Lindsay O'Hara

ELEVATION (BENCHMARK: USGS)	DEPTH /HEIGHT RELATIVE TO GROUND SURFACE (FEET)
10.06	0.0 GROUND SURFACE
	4" TOP OF CASING
	SURFACE SEAL MATERIAL
	N/A
	N/A SURFACE SEAL
	GROUT/BACKFILL MATERIAL
	SAND (NO. 02)
	2' SAND
	BENTONITE SEAL MATERIAL
	BENTONITE PELLETS
	4' BENTONITE SEAL
	5' TOP OF SCREEN
	CHOCKER SAND (NO. 00)
	FILTER PACK MATERIAL
	SAND (NO. 02)
	20' BOTTOM OF SCREEN
	20' BOTTOM OF FILTER PACK
	21' BENTONITE PLUG
	BACKFILL MATERIAL
	25' HOLE BOTTOM

RISER PIPE LENGTH

SCREEN LENGTH

NOTES:

CASING AND SCREEN DETAILS

TYPE OF RISER: 2-INCH PVC

PIPE SCHEDULE: 40

PIPE JOINTS: THREADED O-RINGS

SCREEN TYPE: 2-INCH PVC

SCR. SLOT SIZE: 0.01-INCH

BOREHOLE DIAMETER: 4 IN. FROM 0 TO 20 FT.
____ IN. FROM ____ TO ____ FT.

SURF. CASING DIAMETER: 2 IN. FROM 0 TO 20 FT.
____ IN. FROM ____ TO ____ FT.

WELL DEVELOPMENT

DEVELOPMENT METHOD: SURGE AND PUMP

TIME DEVELOPING: 0.75 HOURS

WATER REMOVED: 35 GALLONS

WATER ADDED: 0 GALLONS

WATER CLARITY BEFORE / AFTER DEVELOPMENT

CLARITY BEFORE: TURBID

COLOR BEFORE: LIGHT BROWN

CLARITY AFTER: VERY GOOD

COLOR AFTER: CLEAR

ODOR (IF PRESENT): NO ODOR

WATER LEVEL SUMMARY

MEASUREMENT (FEET)			DATE	TIME
DTB BEFORE DEVELOPING:	SEE WELL DEVELOPMENT LOG			
DTB AFTER DEVELOPING:				
SWL BEFORE DEVELOPING:	N/A	T/PVC		
SWL AFTER DEVELOPING:	N/A	T/PVC		
OTHER SWL:	N/A	T/PVC		
OTHER SWL:	N/A	T/PVC		

PROTECTIVE CASING DETAILS

PERMANENT, LEGIBLE WELL LABEL ADDED? ☐ YES ☑ NO

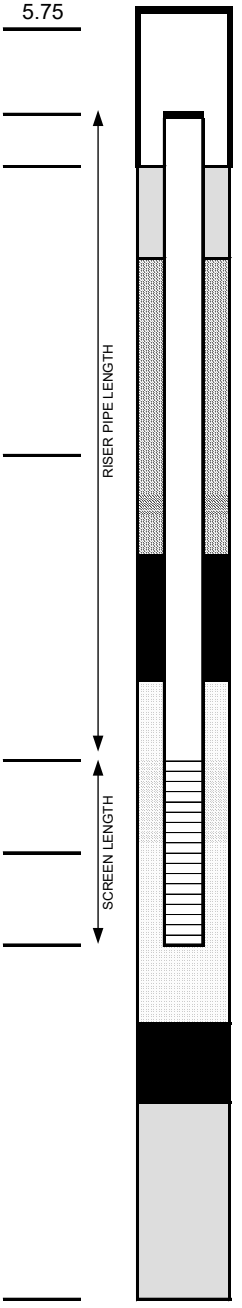
PROTECTIVE COVER AND LOCK INSTALLED? ☑ YES ☐ NO

LOCK KEY NUMBER: N/A

WELL CONSTRUCTION DIAGRAM (FLUSH-MOUNT)

PROJ. NAME: 250 Water Street P-Site			WELL ID: **MW4**
PROJ. NO: 472223	DATE INSTALLED: 7/13/2023	INSTALLED BY: Jose Galarza (AARCO)	CHECKED BY: Lindsay O'Hara

ELEVATION (BENCHMARK: USGS)	DEPTH /HEIGHT RELATIVE TO GROUND SURFACE (FEET)
5.75	0.0 GROUND SURFACE
	3' TOP OF CASING
	SURFACE SEAL MATERIAL: N/A
	N/A SURFACE SEAL
	GROUT/BACKFILL MATERIAL: SAND (NO. 02)
	3' SAND
	BENTONITE SEAL MATERIAL: BENTONITE PELLETS
	5' BENTONITE SEAL
	7' TOP OF SCREEN
	CHOCKER SAND (NO. 00)
	FILTER PACK MATERIAL: SAND (NO. 02)
	22' BOTTOM OF SCREEN
	22' BOTTOM OF FILTER PACK
	23' BENTONITE PLUG
	BACKFILL MATERIAL
	25' HOLE BOTTOM



NOTES:

CASING AND SCREEN DETAILS

TYPE OF RISER: 2-INCH PVC

PIPE SCHEDULE: 40

PIPE JOINTS: THREADED O-RINGS

SCREEN TYPE: 2-INCH PVC

SCR. SLOT SIZE: 0.01-INCH

BOREHOLE DIAMETER: 4 IN. FROM 0 TO 22 FT.
____ IN. FROM ____ TO ____ FT.

SURF. CASING DIAMETER: 2 IN. FROM 0 TO 22 FT.
____ IN. FROM ____ TO ____ FT.

WELL DEVELOPMENT

DEVELOPMENT METHOD: SURGE AND PUMP

TIME DEVELOPING: 0.75 HOURS

WATER REMOVED: 50 GALLONS

WATER ADDED: 0 GALLONS

WATER CLARITY BEFORE / AFTER DEVELOPMENT

CLARITY BEFORE: TURBID

COLOR BEFORE: DARK BROWN

CLARITY AFTER: HAZY

COLOR AFTER: CLEAR

ODOR (IF PRESENT): STRONG ODOR

WATER LEVEL SUMMARY

MEASUREMENT (FEET)			DATE	TIME
DTB BEFORE DEVELOPING:	SEE WELL DEVELOPMENT LOG			
DTB AFTER DEVELOPING:				
SWL BEFORE DEVELOPING:	N/A	T/PVC		
SWL AFTER DEVELOPING:	N/A	T/PVC		
OTHER SWL:	N/A	T/PVC		
OTHER SWL:	N/A	T/PVC		

PROTECTIVE CASING DETAILS

PERMANENT, LEGIBLE WELL LABEL ADDED? ☐ YES ☑ NO

PROTECTIVE COVER AND LOCK INSTALLED? ☑ YES ☐ NO

LOCK KEY NUMBER: N/A

REVISED 11/2013

APPENDIX D
MONITORING WELL DEVELOPMENT AND GROUNDWATER SAMPLING LOGS

Monitoring Well Development Log

WELL NUMBER	WELL INFORMATION					Date: 7/15/2023
MW1	Well Diameter (inches)	Total Depth[1] (ft)	Depth to Water (ft btoc)	Depth to Product (ft btoc)	PID (ppm)	Personnel: MK
PERMIT NUMBER (if applicable)						Site Name: 250 Water St P-Site
						Site Location: 250 Water St, New York, NY
	2	25	17.91	ND	0	Job Number: 472223

PURGING INFORMATION							WATER QUALITY METER CALIBRATION READINGS		
Pump/Bailer Type			Whale Pump				Temp:	pH: **3.98**	Cond: **4.50**
Tubing Type/Bailer Capacity			HDPE				D.O.: **8.54**	ORP:	Turbidity: **2.8**
Pump Intake Depth (ft btoc)	Purge Start Time	Purge Stop Time	Flow Rate (ml/min)	Vol. of Water in Well(gal)	Vol. of Water Purged (gal)	2 in. Well 0.16 gal/ft 4 in. Well 0.65 gal/ft 6 in. Well 1.5 gal/ft	Depth the Water (ft btoc): 17.91		
24'	845	915	3,000	1.3186	25 GAL		Rental Meter Name: Horiba		
							Rental Meter Serial No.: 48906		

PURGING PARAMETERS (measurements are to be taken approximately every 5 minutes)

	Criteria:	<0.3 ft	± 3%	± 0.1 su	± 3%	± 10%	± 10 mv	± 10%[2]	
Time	Flow Rate (ml/min)	Depth to Water (ft)	Temp (°C)	pH (su)	Cond (mS/cm)	D.O. (mg/L)	ORP (mv)	Turbidity (NTU)	Water Conditions/Comments
846	3000	17.91	26.95	10.17	0.258	1.47	64	967	Dark Brown/ N/O
848	3000	17.81	23.1	9.89	0.226	1.53	57	419	
850	3000	17.99	27.12	9.71	0.218	1.61	49	336	
852	3000	17.98	27.14	9.52	0.205	1.54	29	160	
854	3000	18.41	23.14	9.39	0.201	1.53	23	103	
856	3000	18.63	23.15	9.33	0.199	1.49	13	63.21	
858	3000	18.88	23.16	9.2	0.195	1.42	6	52	
900	3000	19	23.16	9.11	0.193	1.47	2	47.1	
902	3000	19.21	23.17	9.04	0.193	1.49	5	43.1	
904	3000	19.21	23.18	8.88	0.193	1.46	13	33.2	
906	3000	19.21	23.18	8.78	0.194	1.45	18	25.1	Clear/ Slight odor
908	3000	19.21	23.18	8.75	0.195	1.45	22	24	
910	3000	19.21	23.18	8.72	0.195	1.46	23	22.1	

[1] Use a

[2] For values greater than 10.

Note: Indicator parameters have stabilized when 3 consecutive readings taken every 5 min are within criteria listed above.

btoc = below top of casing

Monitoring Well Development Log

WELL NUMBER	WELL INFORMATION					Date: 7/18/2023
MW2	Well Diameter (inches)	Total Depth[1] (ft)	Depth to Water (ft btoc)	Depth to Product (ft btoc)	PID (ppm)	Personnel: MK
PERMIT NUMBER (if applicable)						Site Name: 250 Water St P-Site
						Site Location: 250 Water St, New York, NY
	2	25.6	15.81	ND	0	Job Number: 472223

PURGING INFORMATION							WATER QUALITY METER CALIBRATION READINGS		
Pump/Bailer Type			Whale Pump				Temp:	pH: **3.99**	Cond: **4.50**
Tubing Type/Bailer Capacity			HDPE				D.O.: **8.54**	ORP:	Turbidity: **2.8**
Pump Intake Depth (ft btoc)	Purge Start Time	Purge Stop Time	Flow Rate (ml/min)	Vol. of Water in Well(gal)	Vol. of Water Purged (gal)	2 in. Well 0.16 gal/ft 4 in. Well 0.65 gal/ft 6 in. Well 1.5 gal/ft	Depth the Water (ft btoc): 15.81		
24'	815	840	3,000	1.81			Rental Meter Name: Horiba U-52		
							Rental Meter Serial No.: 48906		

PURGING PARAMETERS (measurements are to be taken approximately every 5 minutes)

	Criteria:	<0.3 ft	± 3%	± 0.1 su	± 3%	± 10%	± 10 mv	± 10%[2]	
Time	Flow Rate (ml/min)	Depth to Water (ft)	Temp (°C)	pH (su)	Cond (mS/cm)	D.O. (mg/L)	ORP (mv)	Turbidity (NTU)	Water Conditions/Comments
822			25.65	7.25	1.11	0.91	53	541	Dark Brown/ N/O
824			25.62	7.28	1.14	0.97	49	>1000	
826			25.64	7.25	1.15	0.88	48	200	
828			25.63	7.25	1.18	0.65	51	0	
830			25.74	7.26	1.2	0.45	55	0	
832			25.83	7.29	1.19	0.29	58	0	Clear
836			25.97	7.34	1.11	0	68	0	
838			25.92	7.34	1.08	0	69	0	

[1] Use a

[2] For values greater than 10.

Note: Indicator parameters have stabilized when 3 consecutive readings taken every 5 min are within criteria listed above.

btoc = below top of casing

Monitoring Well Development Log

WELL NUMBER	WELL INFORMATION					Date: 7/13/2023
MW3	Well Diameter (inches)	Total Depth[1] (ft)	Depth to Water (ft btoc)	Depth to Product (ft btoc)	PID (ppm)	Personnel: MK
PERMIT NUMBER (if applicable)						Site Name: 250 Water St P-Site
						Site Location: 250 Water St, New York, NY
	2	20'	10.93	ND	0	Job Number: 472223

PURGING INFORMATION							WATER QUALITY METER CALIBRATION READINGS		
Pump/Bailer Type			Whale Pump				Temp:	pH: **4.00**	Cond: **4.48**
Tubing Type/Bailer Capacity			HDPE				D.O.: **8.76**	ORP:	Turbidity: **2.7**
Pump Intake Depth (ft btoc)	Purge Start Time	Purge Stop Time	Flow Rate (ml/min)	Vol. of Water in Well(gal)	Vol. of Water Purged (gal)	2 in. Well 0.16 gal/ft 4 in. Well 0.65 gal/ft 6 in. Well 1.5 gal/ft	Depth the Water (ft btoc):		
18	710	755	3000	1.5gal	35 gal		Rental Meter Name: Horiba		
							Rental Meter Serial No.:		

PURGING PARAMETERS (measurements are to be taken approximately every 5 minutes)

	Criteria:	<0.3 ft	± 3%	± 0.1 su	± 3%	± 10%	± 10 mv	± 10%[2]	
Time	Flow Rate (ml/min)	Depth to Water (ft)	Temp (°C)	pH (su)	Cond (mS/cm)	D.O. (mg/L)	ORP (mv)	Turbidity (NTU)	Water Conditions/Comments
710	3000		21.26	8.08	2.28	0.67	64	741	Light brown/ N/O
715	3000		24.06	7.97	2.19	0.84	107	664	
720	3000		22.13	7.63	2.22	0.11	44	531	
725	3000		22.01	7.48	2.03	0	123	288	
730	3000		21.39	7.41	2	0	138	204	
735	3000		21.48	7.42	2.08	0	132	236	
740	3000		21.41	7.42	2.06	0	130	102	
745	3000		21.37	7.42	2.14	0	130	33.4	Clear / N/O
750	3000		21.32	7.43	2	0	133	31.2	
755	3000		21.3	7.42	2.03	0	139	32.8	

[1] Use a

[2] For values greater than 10.

Note: Indicator parameters have stabilized when 3 consecutive readings taken every 5 min are within criteria listed above.

btoc = below top of casing

Monitoring Well Development Log

WELL NUMBER	WELL INFORMATION					Date: 7/18/2023
MW4						Personnel: MK
PERMIT NUMBER (if applicable)	Well Diameter (inches)	Total Depth[1] (ft)	Depth to Water (ft btoc)	Depth to Product (ft btoc)	PID (ppm)	Site Name: 250 Water St P-Site
						Site Location: 250 Water St, New York, NY
	2	24.18	7.81	ND	15.6	Job Number: 472223

PURGING INFORMATION							WATER QUALITY METER CALIBRATION READINGS		
Pump/Bailer Type			Whale Pump				Temp:	pH: 4.00	Cond: 4.48
Tubing Type/Bailer Capacity			HDPE				D.O.: 8.78	ORP:	Turbidity: 0.0
Pump Intake Depth (ft btoc)	Purge Start Time	Purge Stop Time	Flow Rate (ml/min)	Vol. of Water in Well(gal)	Vol. of Water Purged (gal)	2 in. Well 0.16 gal/ft 4 in. Well 0.65 gal/ft 6 in. Well 1.5 gal/ft	Depth the Water (ft btoc):		
24'	715	750	5,000	2.76	50gal		Rental Meter Name:		
							Rental Meter Serial No.:		

PURGING PARAMETERS (measurements are to be taken approximately every 5 minutes)									
	Criteria:	<0.3 ft	± 3%	± 0.1 su	± 3%	± 10%	± 10 mv	± 10%[2]	
Time	Flow Rate (ml/min)	Depth to Water (ft)	Temp (°C)	pH (su)	Cond (mS/cm)	D.O. (mg/L)	ORP (mv)	Turbidity (NTU)	Water Conditions/Comments
716	5000	7.81	24.37	9.03	2.77	0.91	80	>1000	Dark Brown/ Strong Odor
718	5000		25.62	8.67	2.78	0.87	109	>1000	Sheen on, Purged water
720	5000		21.12	8.41	2.51	0.77	125	799	
724	5000		21.44	8.63	2.91	0.51	143	850	
726	5000		21.43	6.62	2.55	0.23	157	437	
728	5000		21.22	6.43	2.42	0.19	142	221	
732	5000		21.21	6.41	2.09	0.19	138	106	
734	5000		21.24	6.32	2.56	0.19	131	94.6	
738	5000		21.28	6.34	2.04	0.17	92	58.7	
740	5000		21.24	6.33	2.01	0.16	88	40.6	
744	5000		21.26	6.31	2.18	0.16	81	41.3	Slightly Hazy/ Strong Odor
748	5000	8.42	21.25	6.33	2.03	0.16	84	41.8	

[1] Use a

[2] For values greater than 10.

Note: Indicator parameters have stabilized when 3 consecutive readings taken every 5 min are within criteria listed above.

btoc = below top of casing

GROUNDWATER SAMPLE LOG

PROJECT NAME:	250 Water Street Site Characterization	PREPARED		CHECKED	
PROJECT NUMBER:	472223	BY: M. Kensell	DATE: 8/2/2023	BY: LO	DATE: 8/2/2023

SAMPLE ID: MW-1 WELL DIAMETER: X 2" 4" 6" OTHER

WELL MATERIAL: X **PVC** SS IRON GALVANIZED STEEL OTHER

SAMPLE TYPE: X **GW** WW SW DI LEACHATE OTHER

PURGING	TIME: 1130	DATE: **8/2/2023**	SAMPLE	TIME: 1200	DATE: 8/2

PURGE METHOD: **Surging and Pumping** PUMP **Solinst 410 Peristaltic Pump**

BAILER **N/A**

DEPTH TO WATER: 19.85' T/ PVC

DEPTH TO BOTTOM: 25.00' T/ PVC

PUMP INTAKE DEPT 24.00' T/ PVC

FLOW-THRU CELL VOLUME _____ LITERS

WELL VOLUME: 0.84 GALLONS

VOLUME REMOVED: 3.5 GALLONS

COLOR: Light Brown ODOR: N/O

TURBIDITY

NONE SLIGHT X MODERATE VERY

DISPOSAL METHOD: GROUND X DRUM OTHER

PH: 9.25 SU CONDUCTIVITY: 0.218 umhos/cm

ORP: 104 mV DO: 6.53 mg/L

TURBIDITY: 46.2 NTU

NONE X SLIGHT MODERATE VERY

TEMPERATURE: 27.54 °C OTHER: _____

COLOR: Clear ODOR: N/O

FILTRATE (0.45 um) X YES NO

FILTRATE COLOR: Clear FILTRATE ODOR: N/O

QC SAMPLE: MS/MSD DUP- _____

COMMENTS: **Field Filtered and Unfiltered samples collected for Total Cyanide and TAL Metals: PID 0.0 ppm**

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (mS/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL)
1130	200	9.15	0.262	90	6.53	838	26.82	19.85	INITIAL
1135	200	9.24	0.245	89	5.98	463	26.95	19.86	
1140	200	9.27	0.236	89	5.56	162	27.00	19.91	
1145	200	9.25	0.231	92	5.06	172	27.08	19.94	
1150	200	9.25	0.227	93	4.73	130	27.21	19.96	
1155	200	9.27	0.225	93	4.30	60.3	27.39	19.94	
1200	200	9.24	0.222	97	3.89	62.3	27.46	19.94	
1205	200	9.26	0.219	97	3.62	48.2	27.53	19.94	
1210	200	9.25	0.218	104	3.55	46.2	27.54	19.91	

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: +/- 3% ORP: +/- **10** D.O.: +/- **10 %** TURB: +/- **10 %** or </= **5** TEMP.: +/- **10%**

SAMPLE ID: **250WATERST-MW-1-WG**

BOTTLES FILLED PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED		NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	
2	40 mL	VOA	E	Y	X N	1	250 mL	PLASTIC	D	Y	X N
1	250 mL	PLASTIC	B	X Y	N	1	1 L	AMBER	A	Y	X N
1	250 mL	PLASTIC	B	Y	X N	6	100 mL	AMBER	A	Y	X N
1	250 mL	PLASTIC	D	X Y	N	2	250 mL	PLASTIC	A	Y	X N

GROUNDWATER SAMPLE LOG

PROJECT NAME:	250 Water Street Site Characterization	PREPARED		CHECKED	
PROJECT NUMBER:	472223	BY: M. Kensell	DATE: 8/2/2023	BY: LO	DATE: 8/2/2023

SAMPLE ID: MW-2 WELL DIAMETER: **X** 2" 4" 6" OTHER

WELL MATERIAL: **X PVC** SS IRON GALVANIZED STEEL OTHER

SAMPLE TYPE: **X GW** WW SW DI LEACHATE OTHER

PURGING	TIME: 1005	DATE: **8/1/2023**	SAMPLE	TIME: 1030	DATE: 8/2/2023

PURGE METHOD: **Surging and Pumping** PUMP **Solinst 410 Peristaltic Pump** BAILER **N/A**

PH: 7.49 SU CONDUCTIVITY: 0.824 umhos/cm

ORP: 26 mV DO: 3.68 mg/L

DEPTH TO WATER: 16.09' T/ PVC

DEPTH TO BOTTOM: 25.06' T/ PVC

PUMP INTAKE DEPT 20.00' T/ PVC

FLOW-THRU CELL VOLUME _____ LITERS

TURBIDITY: 8.2 NTU

X NONE SLIGHT MODERATE VERY

TEMPERATURE: 26.75 °C OTHER: _____

WELL VOLUME: 1.46 GALLONS COLOR: Clear ODOR: N/O

VOLUME REMOVED: 2.00 GALLONS FILTRATE (0.45 um) **X** YES NO

COLOR: Light Brown ODOR: N/O FILTRATE COLOR: Clear FILTRATE ODOR: N/O

TURBIDITY

NONE SLIGHT MODERATE VERY

QC SAMPLE: MS/MSD DUP- _____

DISPOSAL METHOD: GROUND **X** DRUM OTHER

COMMENTS: **Field Filtered and Unfiltered samples collected for Total Cyanide and TAL Metals: PID 0.0 ppm**

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (mS/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL)
1005	200	7.26	1.05	11	6.79	303	26.59	16.09	INITIAL
1010	200	7.37	1.04	6	5.96	374	26.62	16.09	
1015	200	7.39	1.03	13	5.56	330	26.67	16.09	
1020	200	7.41	1.00	23	4.81	87.0	26.67	16.09	
1025	200	7.44	0.979	23	4.52	72.8	26.68	16.09	
1030	200	7.45	0.951	25	4.24	45.4	26.74	16.09	
1035	200	7.46	0.916	26	3.98	29.5	26.75	16.09	
1040	200	7.48	0.882	27	3.73	16.4	26.74	16.09	
1045	200	7.49	0.824	26	3.68	8.2	26.75	16.09	

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: +/- 3% ORP: +/- **10** D.O.: +/- **10 %** TURB: +/- **10 %** or </= **5** TEMP.: +/- **10%**

SAMPLE ID: **250WATERST-MW-2-WG**

BOTTLES FILLED PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED		NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	
2	40 mL	VOA	E	Y	**X** N	1	250 mL	PLASTIC	D	Y	**X** N
1	250 mL	PLASTIC	B	**X** Y	N	1	1 L	AMBER	A	Y	**X** N
1	250 mL	PLASTIC	B	Y	**X** N	6	100 mL	AMBER	A	Y	**X** N
1	250 mL	PLASTIC	D	**X** Y	N	2	250 mL	PLASTIC	A	Y	**X** N

GROUNDWATER SAMPLE LOG

PROJECT NAME:	250 Water Street Site Characterization	PREPARED		CHECKED	
PROJECT NUMBER:	472223	BY: M. Kensell	DATE: 8/2/2023	BY: LO	DATE: 8/2/2023

SAMPLE ID: MW-3 WELL DIAMETER: X 2" 4" 6" OTHER

WELL MATERIAL: X **PVC** SS IRON GALVANIZED STEEL OTHER

SAMPLE TYPE: X GW WW SW DI LEACHATE OTHER

PURGING	TIME: 0615	DATE: **8/2/2023**	SAMPLE	TIME: 0715	DATE: **8/2/2023**

PURGE METHOD: **Surging and Pumping** PUMP **Solinst 410 Peristaltic Pump**

BAILER **N/A**

DEPTH TO WATER: 10.21' T/ PVC

DEPTH TO BOTTOM: 22.11' T/ PVC

PUMP INTAKE DEPT 20.00' T/ PVC

FLOW-THRU CELL VOLUME 8 LITERS

WELL VOLUME: 1.94 GALLONS

VOLUME REMOVED: 2.00 GALLONS

COLOR: Light Brown ODOR: N/O

TURBIDITY

NONE SLIGHT X MODERATE VERY

DISPOSAL METHOD: GROUND X DRUM OTHER

PH: 7.17 SU CONDUCTIVITY: 1.29 umhos/cm

ORP: 225 mV DO: 0.00 mg/L

TURBIDITY: 10.8 NTU

X NONE SLIGHT MODERATE VERY

TEMPERATURE: 20.75 °C OTHER:

COLOR: Clear ODOR: N/O

FILTRATE (0.45 um) X YES NO

FILTRATE COLOR: Clear FILTRATE ODOR: N/O

QC SAMPLE: X **MS/MSD** DUP-

COMMENTS: **Field Filtered and Unfiltered samples collected for Total Cyanide and TAL Metals: PID 0.0 ppm**

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (mS/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL)
0630	200	6.82	1.29	202	0.00	98.5	21.08	10.21	INITIAL
0635	200	6.99	1.29	268	0.00	90.6	20.97	10.31	
0640	200	7.11	1.29	248	0.00	46.7	20.85	10.34	
0645	200	7.14	1.29	244	0.00	29.3	20.81	10.30	
0650	200	7.15	1.29	239	0.00	21.0	20.75	10.29	
0655	200	7.16	1.29	229	0.00	15.2	20.75	10.29	
0700	200	7.17	1.29	225	0.00	10.8	20.75	10.29	

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: +/- 3% ORP: +/- **10** D.O.: +/- **10 %** TURB: +/- **10 %** or </= **5** TEMP.: +/- **10%**

SAMPLE ID: **250WATERST-MW-3-WG/ MS / MSD**

BOTTLES FILLED PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED		NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	
2	40 mL	VOA	E	Y	X N	1	250 mL	PLASTIC	D	Y	X N
1	250 mL	PLASTIC	B	X Y	N	1	1 L	AMBER	A	Y	X N
1	250 mL	PLASTIC	B	Y	X N	6	100 mL	AMBER	A	Y	X N
1	250 mL	PLASTIC	D	X Y	N	2	250 mL	PLASTIC	A	Y	X N

GROUNDWATER SAMPLE LOG

PROJECT NAME:	250 Water Street Site Characterization	PREPARED		CHECKED	
PROJECT NUMBER:	472223	BY: M. Kensell	DATE: 8/2/2023	BY: LO	DATE: 8/2/2023

SAMPLE ID: MW-4 WELL DIAMETER: X 2" 4" 6" OTHER

WELL MATERIAL: X **PVC** SS IRON GALVANIZED STEEL OTHER

SAMPLE TYPE: X **GW** WW SW DI LEACHATE OTHER

PURGING	TIME: 0830	DATE: **8/2/2023**	SAMPLE	TIME: 0910	DATE: **8/2/2023**

PURGE METHOD: **Surging and Pumping** PUMP **Solinst 410 Peristaltic Pump** BAILER **N/A**

DEPTH TO WATER: 6.81' T/ PVC

DEPTH TO BOTTOM: 23.04' T/ PVC

PUMP INTAKE DEPT 20.00' T/ PVC

FLOW-THRU CELL VOLUME 12 LITERS

WELL VOLUME: 2.65 GALLONS

VOLUME REMOVED: 3.00 GALLONS

COLOR: Light Brown ODOR: Strong Odor

TURBIDITY

NONE SLIGHT MODERATE X VERY

DISPOSAL METHOD: GROUND X DRUM OTHER

PH: 7.03 SU CONDUCTIVITY: 2.02 umhos/cm

ORP: 139 mV DO: 0.18 mg/L

TURBIDITY: 14.7 NTU

NONE X SLIGHT MODERATE VERY

TEMPERATURE: 26.70 °C OTHER:

COLOR: Clear ODOR: Strong Odor

FILTRATE (0.45 um) X YES NO

FILTRATE COLOR: Clear FILTRATE ODOR: Strong Odor

QC SAMPLE: MS/MSD X **DUP- 20230802**

COMMENTS: **Field Filtered and Unfiltered samples collected for Total Cyanide and TAL Metals: PID 6.7 ppm**

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (mS/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL)
0830	200	6.93	1.98	121	2.07	1000	26.77	6.94	INITIAL
0835	200	7.07	2.06	143	0.55	840	27.73		
0840	200	7.07	2.05	146	0.50	298	27.47		
0845	200	7.06	2.04	144	0.42	113	27.18		
0850	200	7.05	2.03	143	0.35	64.8	27.04		
0855	200	7.04	2.03	141	0.29	36.4	26.95		
0900	200	7.03	2.02	140	0.24	21.2	26.79		
0905	200	7.03	2.02	139	0.18	14.7	26.70		

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: +/- 3% ORP: +/- **10** D.O.: +/- **10 %** TURB: +/- **10 %** or </= **5** TEMP.: +/- **10%**

SAMPLE ID: **250WATERST-MW-4-WG**

BOTTLES FILLED PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED		NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	
2	40 mL	VOA	E	Y	X N	1	250 mL	PLASTIC	D	Y	X N
1	250 mL	PLASTIC	B	X Y	N	1	1 L	AMBER	A	Y	X N
1	250 mL	PLASTIC	B	Y	X N	6	100 mL	AMBER	A	Y	X N
1	250 mL	PLASTIC	D	X Y	N	2	250 mL	PLASTIC	A	Y	X N

GROUNDWATER SAMPLE LOG

PROJECT NAME:	250 Water Street Site Characterization	PREPARED		CHECKED	
PROJECT NUMBER:	472223	BY: M. Kensell	DATE: 11/21/2023	BY: LO	DATE: 11/21/2023

SAMPLE ID: MW-1 WELL DIAMETER: X 2" 4" 6" OTHER

WELL MATERIAL: X **PVC** SS IRON GALVANIZED STEEL OTHER

SAMPLE TYPE: X **GW** WW SW DI LEACHATE OTHER

PURGING	TIME: 1245	DATE: **11/21/2023**	SAMPLE	TIME: 1315	DATE: 11/21/2023

PURGE METHOD: **Surging and Pumping** PUMP **Solinst 410 Peristaltic Pump** BAILER **N/A**

DEPTH TO WATER: 19.56' T/ PVC
DEPTH TO BOTTOM: 24.96' T/ PVC
PUMP INTAKE DEPT 23.00' T/ PVC
FLOW-THRU CELL VOLUME _____ LITERS
WELL VOLUME: 0.86 GALLONS
VOLUME REMOVED: 2 GALLONS
COLOR: Light brown ODOR: N/O

TURBIDITY
NONE SLIGHT X MODERATE VERY

DISPOSAL METHOD: GROUND X DRUM OTHER

PH: 7.92 SU CONDUCTIVITY: 0.384 umhos/cm
ORP: 112 mV DO: 4.70 mg/L
TURBIDITY: 6.1 NTU
NONE X SLIGHT MODERATE VERY
TEMPERATURE: 22.84 °C OTHER: N/O
COLOR: Clear ODOR: N/O
FILTRATE (0.45 um) X YES NO
FILTRATE COLOR: Clear FILTRATE ODOR: N/O
QC SAMPLE: MS/MSD X **DUP- 20231121**
COMMENTS: **Field Filtered and Unfiltered samples collected for Total Cyanide and TAL Metals: PID 0.0 ppm**

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (mS/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL)
1245	150	7.73	0.409	115	4.56	800	21.22	19.56	INITIAL
1250	150	7.69	0.395	116	5.32	542	23.13	19.59	1 L
1255	150	7.65	0.393	115	5.19	322	23.37	19.78	2 L
1300	150	7.87	0.389	110	4.84	20.5	23.79	19.84	3 L
1305	150	7.91	0.386	111	4.78	11.9	23.84	19.80	4 L
1310	150	7.92	0.383	112	4.74	6.4	23.86	19.91	5 L
1315	150	7.92	0.384	112	4.70	6.1	23.84	19.71	6 L

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: +/- 3% ORP: +/- **10** D.O.: +/- **10 %** TURB: +/- **10 %** or </= **5** TEMP.: +/- **10%**

SAMPLE ID: **250WATERST-MW-1-WG-20231121**

BOTTLES FILLED PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED		NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	
2	40 mL	VOA	E	Y	X N	1	250 mL	PLASTIC	D	Y	X N
1	250 mL	PLASTIC	B	X Y	N	1	1 L	AMBER	A	Y	X N
1	250 mL	PLASTIC	B	Y	X N	6	100 mL	AMBER	A	Y	X N
1	250 mL	PLASTIC	D	X Y	N	2	250 mL	PLASTIC	A	Y	X N

GROUNDWATER SAMPLE LOG

PROJECT NAME:	250 Water Street Site Characterization	PREPARED		CHECKED	
PROJECT NUMBER:	472223	BY: M. Kensell	DATE: 11/21/2023	BY: LO	DATE: 11/21/2023

SAMPLE ID: MW-2 WELL DIAMETER: X 2" 4" 6" OTHER

WELL MATERIAL: X **PVC** SS IRON GALVANIZED STEEL OTHER

SAMPLE TYPE: X **GW** WW SW DI LEACHATE OTHER

PURGING	TIME: 1130	DATE: **11/21/2023**	SAMPLE	TIME: 1200	DATE: 11/21/2023

PURGE METHOD: **Surging and Pumping** PUMP **Solinst 410 Peristaltic Pump** BAILER **N/A**

DEPTH TO WATER: 15.67' T/ PVC
DEPTH TO BOTTOM: 24.99' T/ PVC
PUMP INTAKE DEPT 20.00' T/ PVC
FLOW-THRU CELL VOLUME _____ LITERS
WELL VOLUME: 1.49 GALLONS
VOLUME REMOVED: 3 GALLONS
COLOR: Slightly Hazy (light brown) ODOR: N/O

TURBIDITY
NONE X SLIGHT MODERATE VERY

DISPOSAL METHOD: GROUND X DRUM OTHER

PH: 8.22 SU CONDUCTIVITY: 0.659 umhos/cm
ORP: 19 mV DO: 5.49 mg/L
TURBIDITY: 0.0 NTU
X NONE SLIGHT MODERATE VERY
TEMPERATURE: 21.88 °C OTHER: _____
COLOR: Clear ODOR: N/O
FILTRATE (0.45 um) X YES NO
FILTRATE COLOR: Clear FILTRATE ODOR: N/O
QC SAMPLE: MS/MSD DUP- _____
COMMENTS: **Field Filtered and Unfiltered samples collected for Total Cyanide and TAL Metals: PID 0.0 ppm**

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (mS/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL)
1130	150	8.12	0.692	21	6.16	135	19.34	15.67	INITIAL
1135	150	8.22	0.660	16	6.76	71.0	21.63	15.67	1 L
1140	150	8.22	0.659	17	6.54	46.2	21.64	15.67	2 L
1145	150	8.21	0.661	17	6.10	28.9	21.89	15.69	3 L
1150	150	8.21	0.661	17	5.52	14.4	21.88	15.70	4 L
1155	150	8.22	0.660	18	5.50	3.4	21.88	15.65	5 L
1200	150	8.22	0.659	19	5.49	0.0	21.88	15.67	6 L

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: +/- 3% ORP: +/- **10** D.O.: +/- **10 %** TURB: +/- **10 %** or </= **5** TEMP.: +/- **10%**

SAMPLE ID: **250WATERST-MW-2-WG-20231121**

BOTTLES FILLED PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED		NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	
2	40 mL	VOA	E	Y	X N	1	250 mL	PLASTIC	D	Y	X N
1	250 mL	PLASTIC	B	X Y	N	1	1 L	AMBER	A	Y	X N
1	250 mL	PLASTIC	B	Y	X N	6	100 mL	AMBER	A	Y	X N
1	250 mL	PLASTIC	D	X Y	N	2	250 mL	PLASTIC	A	Y	X N

GROUNDWATER SAMPLE LOG

PROJECT NAME:	250 Water Street Site Characterization	PREPARED		CHECKED	
PROJECT NUMBER:	472223	BY: M. Kensell	DATE: 11/21/2023	BY: LO	DATE: ########

SAMPLE ID: MW-3 WELL DIAMETER: **X** 2" 4" 6" OTHER

WELL MATERIAL: **X PVC** SS IRON GALVANIZED STEEL OTHER

SAMPLE TYPE: **X GW** WW SW DI LEACHATE OTHER

PURGING	TIME: 1020	DATE: **11/21/2023**	SAMPLE	TIME: 1100	DATE: 11/21/2023

PURGE METHOD: **Surging and Pumping** PUMP **Solinst 410 Peristaltic Pump** BAILER **N/A**

DEPTH TO WATER: 10.62' T/ PVC
DEPTH TO BOTTOM: 22.17' T/ PVC
PUMP INTAKE DEPT 19.00' T/ PVC
FLOW-THRU CELL VOLUME _____ LITERS
WELL VOLUME: 1.85 GALLONS
VOLUME REMOVED: 2.5 GALLONS
COLOR: Clear ODOR: N/O

TURBIDITY
X NONE SLIGHT MODERATE VERY

DISPOSAL METHOD: GROUND **X** DRUM OTHER

PH: 7.98 SU CONDUCTIVITY: 0.909 umhos/cm
ORP: -6 mV DO: 0.19 mg/L
TURBIDITY: 0.0 NTU
X NONE SLIGHT MODERATE VERY
TEMPERATURE: 17.81 °C OTHER: _____
COLOR: Clear ODOR: N/O
FILTRATE (0.45 um) **X** YES NO
FILTRATE COLOR: Clear FILTRATE ODOR: N/O
QC SAMPLE: MS/MSD DUP- _____
COMMENTS: **Field Filtered and Unfiltered samples collected for Total Cyanide and TAL Metals: PID 0.0 ppm**

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (mS/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL)
1020	150	7.91	0.921	-16	0.7	50.4	17.11	10.62	INITIAL
1025	150	7.93	0.914	-14	0.52	40.3	17.07	10.62	1 L
1030	150	7.96	0.912	-12	0.34	28.9	17.51	10.62	2 L
1035	150	8.01	0.911	-11	0.29	20.2	17.72	10.62	3 L
1040	150	7.98	0.909	-8	0.24	3.2	17.85	10.62	4 L
1045	150	7.98	0.909	-6	0.20	0.0	17.81	10.62	5 L
1050	150	7.98	0.909	-6	0.19	0.0	17.81	10.62	6 L

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: +/- 3% ORP: +/- **10** D.O.: +/- **10 %** TURB: +/- **10 %** or </= **5** TEMP.: +/- **10%**

SAMPLE ID: **250WATERST-MW-3-WG-20231121**

BOTTLES FILLED PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED		NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	
2	40 mL	VOA	E	Y	**X** N	1	250 mL	PLASTIC	D	Y	**X** N
1	250 mL	PLASTIC	B	**X** Y	N	1	1 L	AMBER	A	Y	**X** N
1	250 mL	PLASTIC	B	Y	**X** N	6	100 mL	AMBER	A	Y	**X** N
1	250 mL	PLASTIC	D	**X** Y	N	2	250 mL	PLASTIC	A	Y	**X** N

GROUNDWATER SAMPLE LOG

PROJECT NAME:	250 Water Street Site Characterization	PREPARED		CHECKED	
PROJECT NUMBER:	472223	BY: M. Kensell	DATE: 11/21/2023	BY: LO	DATE: 11/21/2023

SAMPLE ID: MW-4 WELL DIAMETER: X 2" 4" 6" OTHER

WELL MATERIAL: X **PVC** SS IRON GALVANIZED STEEL OTHER

SAMPLE TYPE: X **GW** WW SW DI LEACHATE OTHER

PURGING	TIME: 0800	DATE: **11/21/2023**	SAMPLE	TIME: 0840	DATE: **11/21/2023**

PURGE METHOD: **Surging and Pumping** PUMP **Solinst 410 Peristaltic Pump** BAILER **N/A**

DEPTH TO WATER: 6.90' T/ PVC

DEPTH TO BOTTOM: 19.41' T/ PVC

PUMP INTAKE DEPT 16.00' T/ PVC

FLOW-THRU CELL VOLUME _____ LITERS

WELL VOLUME: 2 GALLONS

VOLUME REMOVED: 3 GALLONS

COLOR: Clear ODOR: Slight

TURBIDITY

X NONE SLIGHT MODERATE VERY

DISPOSAL METHOD: GROUND X DRUM OTHER

PH: 6.95 SU CONDUCTIVITY: 2.08 umhos/cm

ORP: -78 mV DO: 0.22 mg/L

TURBIDITY: 0 NTU

X NONE SLIGHT MODERATE VERY

TEMPERATURE: 25.81 °C OTHER: _____

COLOR: _____ ODOR: _____

FILTRATE (0.45 um) YES NO

FILTRATE COLOR: Clear FILTRATE ODOR: None

QC SAMPLE: X **MS/MSD** DUP- _____

COMMENTS: **Field Filtered and Unfiltered samples collected for Total Cyanide and TAL Metals. PID 2.8 ppm.**

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (mS/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL)
0800	150	6.38	2.08	-29	0.5	100	25.37	6.9	INITIAL
0805	150	6.42	2.07	-39	0.35	106	25.99	6.9	1 L
0810	150	6.44	2.07	-43	0.36	84.9	25.93	6.96	2 L
0815	150	6.84	2.09	-68	0.32	24.1	26.08	7.04	3 L
0820	150	6.89	2.09	-71	0.26	16.3	25.87	6.99	4 L
0825	150	6.92	2.09	-75	0.24	10	25.82	6.95	5 L
0830	150	6.94	2.10	-76	0.24	0.0	25.81	6.91	6 L
0835	150	6.95	2.09	-77	0.23	0.0	25.80	6.91	7 L
0840	150	6.95	2.08	-78	0.22	0.0	25.81	6.91	8 L

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: +/- 3% ORP: +/- **10** D.O.: +/- **10 %** TURB: +/- **10 %** or </= **5** TEMP.: +/- **10%**

SAMPLE ID: **250WATERST-MW-4-WG-20231121**

BOTTLES FILLED PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED		NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	
2	40 mL	VOA	E	Y	X N	1	250 mL	PLASTIC	D	Y	X N
1	250 mL	PLASTIC	B	X Y	N	1	1 L	AMBER	A	Y	X N
1	250 mL	PLASTIC	B	Y	X N	6	100 mL	AMBER	A	Y	X N
1	250 mL	PLASTIC	D	X Y	N	2	250 mL	PLASTIC	A	Y	X N

APPENDIX E
AIR / VAPOR SAMPLE LOGS

AIR / VAPOR SAMPLE LOG

PROJECT NAME:	250 Water St P-Site	PREPARED		CHECKED	
PROJECT NUMBER:	472223	BY: MK DATE: 7/18/2024		BY: LO DATE:	7/18/2023

SAMPLE INFORMATION

SAMPLE TYPE:	X COMPOSITE GRAB	**SAMPLE ID:**	250WATERST-SV1-AS
SAMPLE MEDIA	AMBIENT AIR X SOIL VAPOR SYSTEM PERFORMANCE OTHER	LOCATION: SV1 250 Water Street, New York, NY	LOCATION COORDINATES: N: 197,349.88 E: 983,338.11
SAMPLE DURATION (MIN):	120	SAMPLE HEIGHT / (DEPTH):	8 ft
SAMPLE CONTAINER TYPE:	X SUMMA CANISTER (6L) TEDLAR BAG		X SORBENT TUBE

SUMMA CANISTER		**SORBENT TUBE**	
SAMPLE START TIME:	0815		
SAMPLE END TIME:	1015	**SAMPLE START TIME:**	0815
REGULATOR SERIAL NUMBER:	4405		
CANISTER SERIAL NUMBER:	BC2179	**SAMPLE END TIME:**	1015
INITIAL PID READING (PPM):	0.0		
FINAL PID READING (PPM):	0.0	**TOTAL SAMPLE TIME (MIN):**	120
FLOW RATE(L/MIN):	0.05		
INITIAL FIELD VACUUM (HG):	-29.7	**FLOW RATE (L/MIN):**	0.20
FINAL FIELD VACUUM (HG):	-6.1		
TOTAL SAMPLE TIME (MIN):	120	**VOLUME OF SAMPLE IN SORBENT TUBE (L):**	24.0

NOTES AND OBSERVATIONS

MOTORIZED VEHICLE STORAGE :	**N/A**
MOTORIZED VEHICLE TRAFFIC:	**Minimal**
OPERATIONS (e.g., painting, oil recovery):	**N/A**
CLEANERS / SOLVENTS IN USE:	**N/A**
MATERIAL STORAGE (e.g., paint, gasoline):	**N/A**
NOTICEABLE ODORS:	**No Odors**
AUDIBLE OR NEARBY HVAC OPERATION:	**N/A**
OTHER:	**Helium Test PASS**

ADDITIONAL COMMENTS:

AIR / VAPOR SAMPLE LOG

PROJECT NAME:	250 Water St P-Site	PREPARED		CHECKED	
PROJECT NUMBER:	472223	BY: MK DATE: 7/17/2023		BY: LO DATE:	7/17/2023

SAMPLE INFORMATION

SAMPLE TYPE:	X COMPOSITE GRAB	**SAMPLE ID:**	250WATERST-SV2-AS
SAMPLE MEDIA	AMBIENT AIR X SOIL VAPOR SYSTEM PERFORMANCE OTHER	LOCATION: SV2 250 Water Street, New York, NY	LOCATION COORDINATES: N: 197,255.51 E: 983,357.68
SAMPLE DURATION (MIN):	120	SAMPLE HEIGHT / (DEPTH):	8 ft
SAMPLE CONTAINER TYPE:	X SUMMA CANISTER (6L) TEDLAR BAG	X SORBENT TUBE	

SUMMA CANISTER		**SORBENT TUBE**	
SAMPLE START TIME:	1245		
SAMPLE END TIME:	1445	**SAMPLE START TIME:**	1030
REGULATOR SERIAL NUMBER:	4426		
CANISTER SERIAL NUMBER:	BC1165	**SAMPLE END TIME:**	1230
INITIAL PID READING (PPM):	0.0		
FINAL PID READING (PPM):	0.0	**TOTAL SAMPLE TIME (MIN):**	120
FLOW RATE(L/MIN):	0.05		
INITIAL FIELD VACUUM (HG):	-29.0	**FLOW RATE (L/MIN):**	0.20
FINAL FIELD VACUUM (HG):	-3.2		
TOTAL SAMPLE TIME (MIN):	120	**VOLUME OF SAMPLE IN SORBENT TUBE (L):**	24.0

NOTES AND OBSERVATIONS

MOTORIZED VEHICLE STORAGE :	**N/A**
MOTORIZED VEHICLE TRAFFIC:	**Minimal**
OPERATIONS (e.g., painting, oil recovery):	**N/A**
CLEANERS / SOLVENTS IN USE:	**N/A**
MATERIAL STORAGE (e.g., paint, gasoline):	**N/A**
NOTICEABLE ODORS:	**No Odors**
AUDIBLE OR NEARBY HVAC OPERATION:	**N/A**
OTHER:	**Helium Test PASS**

ADDITIONAL COMMENTS:

AIR / VAPOR SAMPLE LOG

PROJECT NAME:	250 Water St P-Site	PREPARED		CHECKED	
PROJECT NUMBER:	472223	BY: MK/ES DATE: 7/13/2023		BY LO DATE:	7/13/2023

SAMPLE INFORMATION

SAMPLE TYPE:	X COMPOSITE GRAB	**SAMPLE ID:**	250WATERST-SV4-AS
SAMPLE MEDIA	AMBIENT AIR X SOIL VAPOR SYSTEM PERFORMANCE OTHER	LOCATION: SV4 250 Water Street, New York, NY	LOCATION COORDINATES: N: 197,436.56 E: 983,656.97
SAMPLE DURATION (MIN):	120	SAMPLE HEIGHT / (DEPTH):	8 ft
SAMPLE CONTAINER TYPE:	X SUMMA CANISTER (6L) TEDLAR BAG		X SORBENT TUBE

SUMMA CANISTER		**SORBENT TUBE**	
SAMPLE START TIME:	0815		
SAMPLE END TIME:	1015	**SAMPLE START TIME:**	1030
REGULATOR SERIAL NUMBER:	4409		
CANISTER SERIAL NUMBER:	BC1047	**SAMPLE END TIME:**	1230
INITIAL PID READING (PPM):	0.0		
FINAL PID READING (PPM):	0.00	**TOTAL SAMPLE TIME (MIN):**	120
FLOW RATE(L/MIN):	0.05		
INITIAL FIELD VACUUM (HG):	-29.5	**FLOW RATE (L/MIN):**	0.20
FINAL FIELD VACUUM (HG):	-7.0		
TOTAL SAMPLE TIME (MIN):	120	**VOLUME OF SAMPLE IN SORBENT TUBE (L):**	24.0

NOTES AND OBSERVATIONS

MOTORIZED VEHICLE STORAGE :	**N/A**
MOTORIZED VEHICLE TRAFFIC:	**Minimal**
OPERATIONS (e.g., painting, oil recovery):	**N/A**
CLEANERS / SOLVENTS IN USE:	**N/A**
MATERIAL STORAGE (e.g., paint, gasoline):	**N/A**
NOTICEABLE ODORS:	**No Odors**
AUDIBLE OR NEARBY HVAC OPERATION:	**N/A**
OTHER:	**Helium Test PASS**

ADDITIONAL COMMENTS:

AIR / VAPOR SAMPLE LOG

PROJECT NAME:	250 Water St P-Site	PREPARED		CHECKED	
PROJECT NUMBER:	472223	BY: MK DATE: 12/17/2024		BY: LO DATE:	12/17/2024

SAMPLE INFORMATION

SAMPLE TYPE:	X COMPOSITE GRAB	**SAMPLE ID:**	250WATERST-SV3-AS
SAMPLE MEDIA	AMBIENT AIR X SOIL VAPOR SYSTEM PERFORMANCE OTHER	LOCATION: SV3 250 Water Street, New York, NY	LOCATION COORDINATES: N: 197,410.94 E: 983,495.18
SAMPLE DURATION (MIN):	120	SAMPLE HEIGHT / (DEPTH):	8ft
SAMPLE CONTAINER TYPE:	X SUMMA CANISTER (6L) TEDLAR BAG	X SORBENT TUBE	

SUMMA CANISTER		**SORBENT TUBE**	
SAMPLE START TIME:	1315		
SAMPLE END TIME:	1515	**SAMPLE START TIME:**	1315
REGULATOR SERIAL NUMBER:	0647		
CANISTER SERIAL NUMBER:	608	**SAMPLE END TIME:**	1515
INITIAL PID READING (PPM):	1.6		
FINAL PID READING (PPM):	0.0	**TOTAL SAMPLE TIME (MIN):**	120
FLOW RATE(L/MIN):	0.05		
INITIAL FIELD VACUUM (HG):	-29.5	**FLOW RATE (L/MIN):**	0.20
FINAL FIELD VACUUM (HG):	-3.7		
TOTAL SAMPLE TIME (MIN):	120	**VOLUME OF SAMPLE IN SORBENT TUBE (L):**	23.3

NOTES AND OBSERVATIONS

MOTORIZED VEHICLE STORAGE :	**N/A**
MOTORIZED VEHICLE TRAFFIC:	**Minimal**
OPERATIONS (e.g., painting, oil recovery):	**N/A**
CLEANERS / SOLVENTS IN USE:	**N/A**
MATERIAL STORAGE (e.g., paint, gasoline):	**N/A**
NOTICEABLE ODORS:	**No Odors**
AUDIBLE OR NEARBY HVAC OPERATION:	**N/A**
OTHER:	**Helium Test PASS**

ADDITIONAL COMMENTS:

AIR / VAPOR SAMPLE LOG

PROJECT NAME:	250 Water St P-Site	PREPARED		CHECKED	
PROJECT NUMBER:	472223	BY: MK/MW DATE: 7/17/2023		BY: LO DATE:	7/17/2023

SAMPLE INFORMATION

SAMPLE TYPE:	X COMPOSITE GRAB	**SAMPLE ID:**	250WATERST-SV5-AS
SAMPLE MEDIA	AMBIENT AIR X SOIL VAPOR SYSTEM PERFORMANCE OTHER	LOCATION: SV5 250 Water Street, New York, NY	LOCATION COORDINATES: N: 197,155.23 E: 983,342.01
SAMPLE DURATION (MIN):	120	SAMPLE HEIGHT / (DEPTH):	8 ft
SAMPLE CONTAINER TYPE:	X SUMMA CANISTER (6L) TEDLAR BAG	X SORBENT TUBE	

SUMMA CANISTER		**SORBENT TUBE**	
SAMPLE START TIME:	1035		
SAMPLE END TIME:	1235	**SAMPLE START TIME:**	1035
REGULATOR SERIAL NUMBER:	4403		
CANISTER SERIAL NUMBER:	BC2180	**SAMPLE END TIME:**	1235
INITIAL PID READING (PPM):	0.0		
FINAL PID READING (PPM):	0.0	**TOTAL SAMPLE TIME (MIN):**	120
FLOW RATE(L/MIN):	0.05		
INITIAL FIELD VACUUM (HG):	-29.2	**FLOW RATE (L/MIN):**	0.20
FINAL FIELD VACUUM (HG):	-4.0		
TOTAL SAMPLE TIME (MIN):	120	**VOLUME OF SAMPLE IN SORBENT TUBE (L):**	24.0

NOTES AND OBSERVATIONS

MOTORIZED VEHICLE STORAGE :	**N/A**
MOTORIZED VEHICLE TRAFFIC:	**Minimal**
OPERATIONS (e.g., painting, oil recovery):	**N/A**
CLEANERS / SOLVENTS IN USE:	**N/A**
MATERIAL STORAGE (e.g., paint, gasoline):	**N/A**
NOTICEABLE ODORS:	**No Odors**
AUDIBLE OR NEARBY HVAC OPERATION:	**N/A**
OTHER:	**Helium Test PASS**

ADDITIONAL COMMENTS:

AIR / VAPOR SAMPLE LOG

PROJECT NAME:	250 Water St P-Site	PREPARED		CHECKED	
PROJECT NUMBER:	472223	BY: MK DATE: 7/14/2023		BY: LO DATE:	7/14/2023

SAMPLE INFORMATION

SAMPLE TYPE:	X COMPOSITE GRAB	**SAMPLE ID:**	250WATERST-SV6-AS
SAMPLE MEDIA	AMBIENT AIR X SOIL VAPOR SYSTEM PERFORMANCE OTHER	LOCATION: SV6 250 Water Street, New York, NY	LOCATION COORDINATES: N: 197,154.46 E: 983,495.76
SAMPLE DURATION (MIN):	120	SAMPLE HEIGHT / (DEPTH):	8 ft
SAMPLE CONTAINER TYPE:	X SUMMA CANISTER (6L) TEDLAR BAG	X SORBENT TUBE	

SUMMA CANISTER		**SORBENT TUBE**	
SAMPLE START TIME:	1015		
SAMPLE END TIME:	1215	**SAMPLE START TIME:**	1015
REGULATOR SERIAL NUMBER:	4417		
CANISTER SERIAL NUMBER:	BC1043	**SAMPLE END TIME:**	1215
INITIAL PID READING (PPM):	0.0		
FINAL PID READING (PPM):	0.0	**TOTAL SAMPLE TIME (MIN):**	120
FLOW RATE(L/MIN):	0.05		
INITIAL FIELD VACUUM (HG):	-29.1	**FLOW RATE (L/MIN):**	0.20
FINAL FIELD VACUUM (HG):	-4.0		
TOTAL SAMPLE TIME (MIN):	120	**VOLUME OF SAMPLE IN SORBENT TUBE (L):**	24.0

NOTES AND OBSERVATIONS

MOTORIZED VEHICLE STORAGE :	N/A
MOTORIZED VEHICLE TRAFFIC:	Minimal
OPERATIONS (e.g., painting, oil recovery):	N/A
CLEANERS / SOLVENTS IN USE:	N/A
MATERIAL STORAGE (e.g., paint, gasoline):	N/A
NOTICEABLE ODORS:	No Odors
AUDIBLE OR NEARBY HVAC OPERATION:	N/A
OTHER:	Helium Test PASS

ADDITIONAL COMMENTS:

AIR / VAPOR SAMPLE LOG

PROJECT NAME:	250 Water St P-Site	PREPARED			CHECKED		
PROJECT NUMBER:	472223	BY: MK	DATE:	7/13/2023	BY: LO	DATE:	7/13/2023

SAMPLE INFORMATION

SAMPLE TYPE:	X COMPOSITE	GRAB	**SAMPLE ID:**	250WATERST-AA1-AS
SAMPLE MEDIA	X AMBIENT AIR	SOIL VAPOR	LOCATION: AA1	LOCATION COORDINATES:
	SYSTEM PERFORMANCE		250 Water Street, New York, NY	N: N/A
	OTHER			E: N/A
SAMPLE DURATION (MIN):	120		SAMPLE HEIGHT / (DEPTH):	N/A
SAMPLE CONTAINER TYPE:	X SUMMA CANISTER (6L)	TEDLAR BAG		SORBENT TUBE

SUMMA CANISTER		**SORBENT TUBE**	
SAMPLE START TIME:	0845		
SAMPLE END TIME:	1045	**SAMPLE START TIME:**	N/A
REGULATOR SERIAL NUMBER:	4412		
CANISTER SERIAL NUMBER:	BC1273	**SAMPLE END TIME:**	N/A
INITIAL PID READING (PPM):	0.0		
FINAL PID READING (PPM):	0.0	**TOTAL SAMPLE TIME (MIN):**	N/A
FLOW RATE(L/MIN):	0.05		
INITIAL FIELD VACUUM (HG):	-29.5	**FLOW RATE (L/MIN):**	N/A
FINAL FIELD VACUUM (HG):	-11.0		
TOTAL SAMPLE TIME (MIN):	120	**VOLUME OF SAMPLE IN SORBENT TUBE (L):**	N/A

NOTES AND OBSERVATIONS

MOTORIZED VEHICLE STORAGE :	**N/A**
MOTORIZED VEHICLE TRAFFIC:	**Minimal**
OPERATIONS (e.g., painting, oil recovery):	**N/A**
CLEANERS / SOLVENTS IN USE:	**N/A**
MATERIAL STORAGE (e.g., paint, gasoline):	**N/A**
NOTICEABLE ODORS:	**No Odors**
AUDIBLE OR NEARBY HVAC OPERATION:	**N/A**
OTHER:	**Helium Test PASS**

ADDITIONAL COMMENTS:

AIR / VAPOR SAMPLE LOG

PROJECT NAME:	250 Water St P-Site	PREPARED			CHECKED		
PROJECT NUMBER:	472223	BY:	MK	DATE: 7/13/2023	BY:	LO	DATE: 7/13/2023

SAMPLE INFORMATION

SAMPLE TYPE:	X COMPOSITE	GRAB	**SAMPLE ID:**	250WATERST-AA2-AS
SAMPLE MEDIA	X AMBIENT AIR	SOIL VAPOR	LOCATION: AA2	LOCATION COORDINATES:
	SYSTEM PERFORMANCE		250 Water Street, New York, NY	N: N/A
	OTHER			E: N/A
SAMPLE DURATION (MIN):	120		SAMPLE HEIGHT / (DEPTH):	N/A
SAMPLE CONTAINER TYPE:	X SUMMA CANISTER (6L)	TEDLAR BAG		SORBENT TUBE

SUMMA CANISTER		**SORBENT TUBE**	
SAMPLE START TIME:	0850		
SAMPLE END TIME:	1050	**SAMPLE START TIME:**	N/A
REGULATOR SERIAL NUMBER:	4409		
CANISTER SERIAL NUMBER:	BC1998	**SAMPLE END TIME:**	N/A
INITIAL PID READING (PPM):	0.0		
FINAL PID READING (PPM):	0.0	**TOTAL SAMPLE TIME (MIN):**	N/A
FLOW RATE(L/MIN):	0.05		
INITIAL FIELD VACUUM (HG):	-30.0	**FLOW RATE (L/MIN):**	N/A
FINAL FIELD VACUUM (HG):	-4.0		
TOTAL SAMPLE TIME (MIN):	120	**VOLUME OF SAMPLE IN SORBENT TUBE (L):**	N/A

NOTES AND OBSERVATIONS

MOTORIZED VEHICLE STORAGE :	**N/A**
MOTORIZED VEHICLE TRAFFIC:	**Minimal**
OPERATIONS (e.g., painting, oil recovery):	**N/A**
CLEANERS / SOLVENTS IN USE:	**N/A**
MATERIAL STORAGE (e.g., paint, gasoline):	**N/A**
NOTICEABLE ODORS:	**No Odors**
AUDIBLE OR NEARBY HVAC OPERATION:	**N/A**
OTHER:	**Helium Test PASS**

ADDITIONAL COMMENTS:

AIR / VAPOR SAMPLE LOG

PROJECT NAME:	250 Water St P-Site	PREPARED			CHECKED		
PROJECT NUMBER:	472223	BY:	MK	DATE: 7/13/2023	BY:	LO	DATE: 7/13/2023

SAMPLE INFORMATION

SAMPLE TYPE:	X COMPOSITE	GRAB	**SAMPLE ID:**	250WATERST-AA3-AS
SAMPLE MEDIA	X AMBIENT AIR	SOIL VAPOR	LOCATION: AA3	LOCATION COORDINATES:
	SYSTEM PERFORMANCE		250 Water Street, New York, NY	N: N/A
	OTHER			E: N/A
SAMPLE DURATION (MIN):	120		SAMPLE HEIGHT / (DEPTH):	N/A
SAMPLE CONTAINER TYPE:	X SUMMA CANISTER (6L)	TEDLAR BAG		SORBENT TUBE

SUMMA CANISTER		**SORBENT TUBE**	
SAMPLE START TIME:	0855		
SAMPLE END TIME:	1055	**SAMPLE START TIME:**	N/A
REGULATOR SERIAL NUMBER:	4420		
CANISTER SERIAL NUMBER:	BC2039	**SAMPLE END TIME:**	N/A
INITIAL PID READING (PPM):	0.0		
FINAL PID READING (PPM):	0.0	**TOTAL SAMPLE TIME (MIN):**	N/A
FLOW RATE(L/MIN):	0.05		
INITIAL FIELD VACUUM (HG):	-30.0	**FLOW RATE (L/MIN):**	N/A
FINAL FIELD VACUUM (HG):	-5.0		
TOTAL SAMPLE TIME (MIN):	120	**VOLUME OF SAMPLE IN SORBENT TUBE (L):**	N/A

NOTES AND OBSERVATIONS

MOTORIZED VEHICLE STORAGE :	**N/A**
MOTORIZED VEHICLE TRAFFIC:	**Minimal**
OPERATIONS (e.g., painting, oil recovery):	**N/A**
CLEANERS / SOLVENTS IN USE:	**N/A**
MATERIAL STORAGE (e.g., paint, gasoline):	**N/A**
NOTICEABLE ODORS:	**No Odors**
AUDIBLE OR NEARBY HVAC OPERATION:	**N/A**
OTHER:	**Helium Test PASS**

ADDITIONAL COMMENTS:

AIR / VAPOR SAMPLE LOG

PROJECT NAME:	250 Water St P-Site	PREPARED			CHECKED		
PROJECT NUMBER:	472223	BY:	MK	DATE: 7/13/2023	BY:	LO	DATE: 7/13/2023

SAMPLE INFORMATION

SAMPLE TYPE:	X COMPOSITE	GRAB	**SAMPLE ID:**	250WATERST-AA4-AS
SAMPLE MEDIA	X AMBIENT AIR	SOIL VAPOR	LOCATION: AA4	LOCATION COORDINATES:
	SYSTEM PERFORMANCE		250 Water Street, New York, NY	N: N/A
	OTHER			E: N/A
SAMPLE DURATION (MIN):	120		SAMPLE HEIGHT / (DEPTH):	N/A
SAMPLE CONTAINER TYPE:	X SUMMA CANISTER (6L)	TEDLAR BAG		SORBENT TUBE

SUMMA CANISTER		**SORBENT TUBE**	
SAMPLE START TIME:	0900		
SAMPLE END TIME:	1100	**SAMPLE START TIME:**	N/A
REGULATOR SERIAL NUMBER:	4400		
CANISTER SERIAL NUMBER:	BC1745	**SAMPLE END TIME:**	N/A
INITIAL PID READING (PPM):	0.0		
FINAL PID READING (PPM):	0.0	**TOTAL SAMPLE TIME (MIN):**	N/A
FLOW RATE(L/MIN):	0.05		
INITIAL FIELD VACUUM (HG):	-30.0	**FLOW RATE (L/MIN):**	N/A
FINAL FIELD VACUUM (HG):	-4.0		
TOTAL SAMPLE TIME (MIN):	120	**VOLUME OF SAMPLE IN SORBENT TUBE (L):**	N/A

NOTES AND OBSERVATIONS

MOTORIZED VEHICLE STORAGE :	**N/A**
MOTORIZED VEHICLE TRAFFIC:	**Minimal**
OPERATIONS (e.g., painting, oil recovery):	**N/A**
CLEANERS / SOLVENTS IN USE:	**N/A**
MATERIAL STORAGE (e.g., paint, gasoline):	**N/A**
NOTICEABLE ODORS:	**No Odors**
AUDIBLE OR NEARBY HVAC OPERATION:	**N/A**
OTHER:	**Helium Test PASS**

ADDITIONAL COMMENTS:

APPENDIX F
INVESTIGATION DERIVED WASTE DISPOSAL MANIFESTS

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	NYP000262915	1	631-608-8810	020560241 JJK

GENERATOR

5. Generator's Name and Mailing Address
NYSDEC
625 Broadway, Albany, NY 12233-7016
Generator's Phone: 518-402-9116

Generator's Site Address (if different than mailing address)
250 Water Street - Offsite / P-site
New York, NY 10038

6. Transporter 1 Company Name
Brookside Environmental, Inc.
U.S. EPA ID Number
NYR000081661

7. Transporter 2 Company Name
Veolia ES Technical Solutions
U.S. EPA ID Number
NJD080631369

8. Designated Facility Name and Site Address
Veolia ES Technical Solutions
1 Eden Lane, Flanders, New Jersey 07836
Facility's Phone: 973-347-7111
U.S. EPA ID Number
NJD980536593

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. NA3077 Hazardous Waste Solid, n.o.s, 9, PG III (~~D008~~ TM, Lead)	001	DM	500	P	D008	B TM	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1) Soil with Lead
Approval # 1171708
10 day
received 8/31/23

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Michael Kensell
Signature:
Month 8 Day 23 Year 23

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Oscar Parada
Signature:
Month 8 Day 23 Year 23

Transporter 2 Printed/Typed Name: Joshua Stewart
Signature:
Month 8 Day 30 Year 23

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Teresa Mannerberg
Signature:
Month 08 Day 31 Year 23

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

VEOLIA ENVIRONMENTAL SERVICES

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM PHASE IV

Generator Name: NYSDEC EPA ID # NYP000262915 Manifest Tracking No. 020560241

1. If waste is a wastewater (see 40 CFR 268.2) place "w" next to the applicable code(s) Profile # _____

2. CODES WITH SUBCATEGORIES (place appropriate letter from section 8 before each code that applies) (See 40 CFR 268 for details)

___ D001 Hi-TOC
___ D001 Except Hi-TOC
___ D003 Reactive Cyanide
___ D003 Reactive Sulfide
___ D003 Explosive
___ D003 Water Reactives
___ D003 Unexp Ord. Emg
___ D003 Other Reactives
___ D006 Batteries

___ D008 Lead acid batteries
___ D009 Organic Hg > 260ppm
___ D009 Inorg. Hg > 260
___ D009 Hg < 260
___ F025 Light ends
___ F025 Spent filter
___ K006 Hydrated
___ K006 Anhydrous
___ K069 Calcium Sulfate

___ K069 Not Calcium Sulfate
___ K071 Rmerc Res.
___ K071 Not Rmerc Res.
___ K106 Lo Rmerc Res.
___ K106 Not Rmerc Res.
___ K106 > 260 ppm Hg
___ P047 Salts
___ P047 Nonsalts
___ P065 Lo Inc. Res.

___ P065 Lo RMERC Res.
___ P065 Not Inc./RMERC Res.
___ P065 Hi Inc./RMERC Res.
___ P092 Lo Inc. Res.
___ P092 Lo RMERC Res.
___ P092 Not Inc/RMERC Res.
___ P092 Hi Inc//RMERC Res.
___ U151 Lo RMERC Res.
___ U151 Lo Not RMERC Res.

___ U151 Hi Hg
___ U240 2, 4 D
___ U240 2, 4 esters & Salts

The subcategory for D018-D043 waste is "treated in nonCWA/nonSDWA facility" unless the following box is checked: ☐ "treated in CWA/SDWA facility"

3. COMMON CODES (Place appropriate letter from section 8 before each code that applies)

___D002	___P012	___P030	___P051	A P098	___P105	___P205	___F006	___F007	___F008	___F009	___F010	___F011	___F012	___F019	___F039
___D004	___D005	___D006	___D007	___D008	___D009	___D010	___D011	___D012	___D013	___D014	___D015	___D016	___D017	___D018	___D019
___D020	___D021	___D022	___D023	___D024	___D025	___D026	___D027	___D028	___D029	___D030	___D031	___D032	___D033	___D034	___D035
___D036	___D037	___D038	___D039	___D040	___D041	___D042	___D043	___F001	___F002	___F003	___F004	___F005	___U002	___U003	___U008
___U007	___U044	___U061	___U072	___U080	___U108	___U117	___U122	___U123	___U136	___U154	___U188	___U213	___U220	___U226	___U279
															___K061

ADDITIONAL CODES (Enter all codes not identified above which are associated with waste)

4. USEPA HAZARDOUS WASTE CODE(S)	5. TREATMENT STANDARDS FOR NON-PHASE II STATES (INDICATE THE APPLICABLE TREATMENT STANDARD 268.41, 268.43 OR SPECIFIED TECHNOLOGY BELOW)	6. HOW MUST THE WASTE BE MANAGED? ENTER THE LETTER FROM BELOW
D008	5.0 mg/L	A

To identify F039, or UHCs managed in non-CWA, use the "F039/Underlying Hazardous Constituents Form" provided and check here: ☐
If no UHCs are present upon generation check here: ☐ Check here if disposal facility will check for all UHCs ☐ (i.e. no UHC form required)
To list additional EPA waste code(s), use the supplemental sheet and check here: ☐ In lieu of supplemental sheet you may use multiple copies of this form.

7. SOLVENT CONSTITUENTS (F001 - F005) Check here if disposal facility will check for all spent solvents ___

___ Acetone	___ Benzene	___ n-Butyl alcohol	___ Carbon disulfide
___ Carbon Tetrachloride	___ Chlorobenzene	___ O-Cresol	___ Cresols (m&p)
___ Cyclohexanone	___ o-Dichlorobenzene	___ 2-Ethoxyethanol	___ Ethyl acetate
___ Ethyl benzene	___ Ethyl ether	___ Isobutanol	___ Methanol
___ Methylene chloride	___ Methyl ethyl ketone	___ Methyl isobutyl ketone	___ Nitrobenzene
___ 2-Nitropropane	___ Pyridine	___ Tetrachloroethylene	___ Toluene
___ 1,1,1 Trichloroethane	___ 1, 1, 2-Trichloroethane	___ 1, 1, 2-Trichloro, 1, 2, 2-trifluoroethane	___ Trichloroethylene
___ Trichloromonofluoromethane	___ Xylenes		

8. (States authorized by EPA to manage the LDR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your certification will be deemed to refer to those state citations instead of the 40 CFR citations.)

A. or ✓ RESTRICTED WASTE REQUIRES TREATMENT
This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268.40.
☐ For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR 268.45."

B.1 RESTRICTED WASTE TREATMENT TO PERFORMANCE STANDARDS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the treatment standards specified in 40 CFR 268.40 without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment."

B.2 (CERTIFICATION REMOVED BY PHASE IV)

B.3 GOOD FAITH AND ANALYTICAL CERTIFICATION - FOR INCINERATED ORGANICS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by combustion units as specified in 268.42, Table 1. I have been unable to detect the nonwastewater organic constituents, despite having used best good faith efforts to analyze for such constituents. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.4 DECHARACTERIZED WASTE REQUIRES TREATMENT FOR UNDERLYING HAZARDOUS CONSTITUENTS
"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet universal treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

C. RESTRICTED WASTE SUBJECT TO A VARIANCE
This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of prohibition in column 5 above.
☐ For hazardous debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR 268.45."

D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT
"I certify under penalty of law that I have personally examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D. I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment."

E. WASTE NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS
This waste is a newly identified waste that is not currently subject to any 40 CFR Part 268 restrictions.

I hereby certify that all information in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature _____ Date 8/23/23

Title Agent for the NYSDEC

PHONE: 631.608.8810
FAX: 631.608.8811

BROOKSIDE ENVIRONMENTAL
www.brooksideweb.com

Transporter Permit #1A-644
EPA ID #NYR000081661
BIC # 2935

NON-HAZARDOUS MANIFEST

1. Customer's US EPA ID NO. NYP000262915
~~Document No.~~
2. Page 1 of 1

3. Generator Site Address and Mailing Address NYSDEC
625 Broadway, Albany, NY 12233-7016
4. Phone 518-402-9116

A. Document Number BEI82323-3
B. State ID 250 Water Street New York, NY 10038
C. State Transporter's ID NY-1A-644
D. Transporter's Phone 631-608-8810

5. Transporter 1 Company Name Brookside Environmental
6. US EPA ID Number NYR000081661
7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
Veolia ES Technical Solutions
1 Eden Lane
Flanders, New Jersey 07836
10. US EPA ID Number NJD980536593
G. State Facility's ID
H. Facility's Phone 973-347-7111

11. US DOT Description (Including Proper Shipping Name)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	L. Waste No.
a. Non-Hazardous Waste Water, n.o.s. NON-RCRA/NON-DOT Hazardous	5	DM	220	G	IDRL™
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
a) Well Development Water
Approval #1171663

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
10 day
renewal 8/31/23

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed / Type Name	Signature	DATE Month	Day	Year
Michael Kensell		8	28	23

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed / Type Name	Signature	DATE Month	Day	Year
Oscar Parada		8	28	23

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed / Type Name	Signature	DATE Month	Day	Year
Joshua Stewart		8	30	23

1) H141

19. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted.

~~Printed / Typed~~ Name	Signature	DATE Month	Day	Year
Teresa Mannerberg	Teresa Mannerberg	8	31	23

10 DAY
RECEIVED 12-07-22

PHONE: 631.608.8810
FAX: 631.608.8811

BROOKSIDE ENVIRONMENTAL
www.brooksideweb.com

Transporter Permit #1A-644
EPA ID #NYR000081661
BIC # 2935

5

NON-HAZARDOUS MANIFEST

1. Customer's US EPA ID NO: NYP000262915
Document No: ———
2 Page 1 of: 1

3 Generator Site Address and Mailing Address: NYSDEC
625 Broadway, Albany, NY 12233-7016
4 Phone:

A Document Number: BEI112723-1
B State ID: 250 Water Street New York, New York
C State Transporter's ID: NY-1A-644
D Transporter's Phone: 631-608-8810
E State Transporter's ID:
F Transporter's Phone:
G State Facility's ID:
H Facility's Phone: 973-347-7111

5. Transporter 1 Company Name: Brookside Environmental
6 US EPA ID Number: NYR000081661
7. Transporter 2 Company Name: Veolia ES Technical Solutions
8. US EPA ID Number: NJD080631369
9 Designated Facility Name and Site Address: Veolia ES Technical Solutions
1 Eden Lane
Flanders, New Jersey 07836
10 US EPA ID Number: NJD980536593

11. US DOT Description (including Proper Shipping Name)	12 Containers No	Type	13 Total Quantity	14 Unit Wt/Vol	L Waste No
a ~~Non-Hazardous Waste Water, NOS,~~ NON-RCRA/Non-DOT ~~Hazardous~~	001	DM	50	G	ID72, L
b REGULATED LIQUID (ST)					
c					
d					

J Additional Descriptions for Materials Listed Above: 1) Well Development Water
1 X 55 GAL DRUM
Approval # 1171663

K Handling Codes for Wastes Listed Above:

15 Special Handling Instructions and Additional Information:

16 GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations

Printed / Type Name: Sean O'Leary
Signature: Sean O'Leary
DATE: Month 11 Day 27 Year 23

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed / Type Name: Richard W. Taylor
Signature: Richard W. Taylor
DATE: Month 11 Day 27 Year 23

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed / Type Name: Joshua Stewart
Signature:
DATE: Month 12 Day 06 Year 23

HILL

19. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted.

Printed / Typed Name: DEANA TARSIE
Signature:
DATE: Month 12 Day 8 Year 22

APPENDIX G
DATA USABILITY SUMMARY REPORTS (DUSRs)

Data Usability Summary Report

Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

250 Water St., Manhattan, NY
Pace/Con-Test Analytical Laboratory SDG#23G1746
December 4, 2023
Revised January 19, 2024
Sampling date: 7/12/2023

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package(revised January 19, 2024) for TRC Engineers, Inc., project located at 250 Water St., Manhattan, NY, SDG#23G1746 submitted to Vali-Data of WNY, LLC on October 10, 2023. This DUSR has been prepared in general compliance with USEPA National Functional Guidelines(NFG) and NYSDEC Analytical Services Protocols. The laboratory performed the analyses using USEPA method Volatile Organics (8260D), Semi-Volatile Organics (8270E), Pesticide (8081B), PCB (8082A), Inorganics/Mercury (6010D, 7471B) and in accordance with wet chemistry methods.

ID	Sample ID	Laboratory ID
1	250WATERST-SB101-SS(2-4)	23G1746-01
2	250WATERST-SB101-SS(8-10)	23G1746-02
3	250WATERST-SB105-SS(2-4)	23G1746-03
4	250WATERST-SB105-SS(13-15)	23G1746-04

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Internal Standard (IS) Area Performance
-Surrogate Spike Recoveries
-Method Blank
-Field Duplicate Sample Precision
-Laboratory Control Samples
-MS/MSD
-Compound Quantitation
-Initial Calibration
-Continuing Calibration
-GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Laboratory Control Samples, Initial Calibration and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met except the %Rec of Bromomethane was outside QC limits, high in the laboratory control samples and should be qualified as estimated. This target analyte was not detected in the associated samples, so no further action is required.

MS/MSD
No MS/MSD was acquired.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met except a target analyte was outside QC limit in the initial calibration and/or the initial calibration verification and should be qualified as estimated in the associated samples, blanks and spikes.

ICal/ICV ID	Target Analyte	%D/RRF	Qualifier	Associated Sample
ICal/ICV GCMSVOA7	1,4-Dioxane	RRF	UJ/J	B345981, 1-4
ICal/ICV GCMSVOA7	Bromodichloromethane	RRF	UJ/J	B345981, 1-4
ICal/ICV GCMSVOA7	1,1,2-Trichloroethane	RRF	UJ/J	B345981, 1-4
ICV GCMSVOA7	Acetone	46.1	UJ/J	B345981, 1-4
ICV GCMSVOA7	Carbon disulfide	35.4	UJ/J	B345981, 1-4
ICV GCMSVOA7	1,1-Dichloroethene	22.6	UJ/J	B345981, 1-4

CONTINUING CALIBRATION

All criteria were met except several target analytes were outside QC limits in the continuing calibrations and should be qualified as estimated in the associated samples, blanks and spikes.

Ccal ID	Target Analyte	%D/RRF	Qualifier	Associated Sample
S090483-CCV1	1,4-Dioxane	RRF	UJ/J	B345981, 1-4
S090483-CCV1	Bromodichloromethane	RRF	UJ/J	B345981, 1-4
S090483-CCV1	1,1,2-Trichloroethane	RRF	UJ/J	B345981, 1-4
S090483-CCV1	Bromomethane	53.1	UJ/J	B345981, 1-4

GC/MS PERFORMANCE CHECK

All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Surrogate Spike Recoveries, Initial Calibration and Continuing Calibration.

Samples: DUSR ID#1, #1RE and #3 were diluted due to high target analyte concentrations.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of 2,4,6-Tribromophenol was outside QC limits, low in DUSR ID#1. The following target analytes should be qualified as estimated in this sample.

2,4,6-Trichlorophenol	2,4-Dinitrophenol	4,6-Dinitro-2-methylphenol
2,4,5-Trichlorophenol	4-Nitrophenol	Pentachlorophenol

Due to dilution, surrogates were not recorded for DUSR ID#1RE.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
No MS/MSD was acquired.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met except the %D of a couple of target analytes were outside QC limits in the initial calibrations. These target analytes should be qualified as estimated in the associated blanks, samples and spikes.

Ical instrument ID	Target Analyte	RRF/%RSD	Qualifier	Associated Sample
GCMSSV3	Benzaldehyde	-55.0	UJ/J	B347054
GCMSSV3	4-Chloroaniline	-40.5	UJ/J	B347054

Alternate forms of regression were performed on some target analytes, with acceptable results except where noted above.

CONTINUING CALIBRATION
All criteria were met except several target analytes were outside QC limits in the continuing calibrations and should be qualified as estimated in the associated samples, blanks and spikes.

CCal ID	Target Analyte	RRF/%D	Qualifier	Associated Sample
S091135-CCV1	2,4-Dinitrotoluene	26.8	UJ	1-4
S091135-CCV1	Hexachlorocyclopentadiene	-70.7	UJ	1-4
S091135-CCV1	Indeno(1,2,3-cd)pyrene	27.9	UJ	1-4
S091135-CCV1	2-Nitroaniline	25.9	UJ	1-4
S091135-CCV1	Nitrobenzene	21.3	UJ	1-4
S091151-CCV1	Bis(2-Chloroisopropyl)ether	-26.8	UJ/J	B347054
S091151-CCV1	Bis(2chloroethyl)ether	-25.1	UJ/J	B347054

Some target analytes were outside laboratory QC limits but within NFG QC limits, so no further action is required.

GC/MS PERFORMANCE CHECK
All criteria were met.

PESTICIDES

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries

- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Initial Calibration, Compound Quantitation and Continuing Calibration.

Samples: DUSR ID#1 and #3 were diluted due to high target analyte concentrations.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
No MS/MSD was acquired.

COMPOUND QUANTITATION
All criteria were met except the RPD between the columns of a couple of target analytes was outside QC limits in the samples and should be qualified as estimated.

Target Analyte	Qualifer	Associated Sample
4,4'-DDE	J	1, 3
4,4'-DDT	J	1

INITIAL CALIBRATION
All criteria were met except a target analyte was outside QC limits in the initial calibration verification and should be qualified as estimated in the associated samples, blanks and spikes.

ICal/ICV ID	Target Analyte	Column	%D	Qualifier	Associated Sample
ICV ECD6	Chlordane p2	1	30.4	UJ	B346416-BLK1, 1-4
ICV ECD6	Chlordane p1-5	2	various	UJ	B346416-BLK1

CONTINUING CALIBRATION
All criteria were met except a target analyte was outside QC limits in the continuing calibration and should be qualified as estimated in the associated samples, blanks and spikes.

Ccal ID	Target Analyte	Column	%D	Qualifier	Associated Sample
S092170-CCV1	Hexachlorobenzene	2	25.5	J	B348522, 3MS/MSD

Some target analytes were outside laboratory QC limits but within NFG limits, so no further action is required.

PCB

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Initial Calibration.

Samples: DUSR ID#1-#3 were diluted due to high target analyte concentrations.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
No MS/MSD was acquired.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met except several target analytes were outside QC limits in the initial calibration verification and should be qualified as estimated in the associated samples, blanks and spikes.

ICV Instrument ID	Target Analyte	Column	%D	Qualifier	Associated Sample
ECD10	Aroclor 1262 p2	1	-20.8	UJ	B346413-BLK1, 1-3
ECD10	Aroclor 1268 p4	1	40.4	UJ	B346413-BLK1, 1-3
ECD10	Aroclor 1268 p4	2	39.5	UJ	B346413-BLK1

CONTINUING CALIBRATION
All criteria were met.

METALS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Blanks
-Laboratory Control Sample
-MS/MSD/Duplicate
-Field Duplicate
-Serial Dilution
-Compound Quantitation
-Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Blanks and Calibration.

Samples: DUSR ID#1 and #3 were diluted due to high target analyte concentrations.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All criteria were met.

BLANKS
All criteria were met except several target analytes were detected in the blanks and should be qualified in the associated samples in which they were detected.

Blank ID	Target Analyte	Concentration	Qualifier	Associated Sample
B346388	Cu	.34mg/kg	JH	1-4
S090911-CCB2	Cu	.019mg/L	JH	1-4
S090911-CCB3	Cu	.015mg/L	JH	1-4

LABORATORY CONTROL SAMPLE
All criteria were met.

MS/MSD/DUPLICATE
No MS/MSD/Duplicate was acquired.

FIELD DUPLICATE
No field duplicate was acquired.

SERIAL DILUTION
No serial dilution was performed.

COMPOUND QUANTITATION
All criteria were met.

CALIBRATION
All criteria were met except the %Rec of several target analytes was outside QC limits in the Low-Concentration Calibration Verification. These target analytes should be qualified as estimated in the associated samples, blanks and spikes.

Calibration ID	Target Analyte	%D or %Rec	Qualifier	Associated Sample
S090894-CCV1	Al	10.4	UJ/J	B346388, 1-4
S090894-CCV1	Sb	-10.3	UJ/J	B346388, 1-4
S090894-CCV1	Ca	12.9	UJ/J	B346388, 1-4
S090894-CCV1	Cr	17.9	UJ/J	B346388, 1-4
S090894-CCV1	Fe	15.2	UJ/J	B346388, 1-4
S090894-CCV1	Pb	14.7	UJ/J	B346388, 1-4
S090894-CCV1	Mn	14.8	UJ/J	B346388, 1-4
S090894-CCV1	K	13.2	UJ/J	B346388, 1-4
S090894-CCV1	Se	12.0	UJ/J	B346388, 3, 4
S090894-CCV1	Na	15.2	UJ/J	B346388, 1-4
S090894-CCV1	V	17.7	UJ/J	B346388, 1-4

Calibration ID	Target Analyte	%D or %Rec	Qualifier	Associated Sample
S090894-CCV2	Be	14.1	UJ/J	B346388, 1-4
S090894-CCV3	Cu	15.9	UJ/J	B346388, 1-4
S090894-CCV3	Ni	14.6	UJ/J	B346388, 1-4
S090894-CCV4	As	18.1	UJ/J	B346388, 1-4
S091220-CCV1	Zn	18.3	UJ/J	B346388, 1-4

GENERAL CHEMISTRY

The following items/criteria were reviewed for this analytical suite:

- Cyanide
- %Solids

The items listed above were technically in compliance with the method and SOP criteria with any exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below.

CYANIDE
All criteria were met except the %Rec of B346292-BS1 and the RPD between B346292-BS1 and B346292-BSD1 were outside QC limits and should be qualified as estimated. Cyanide should be qualified as estimated in the samples.

%SOLIDS
All criteria were met.

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

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SW-846 8081B

Qualifications:

DL-03

Elevated reporting limit due to matrix.

Analyte & Samples(s) Qualified:

23G1746-01[250WATERST-SB101-SS(2-4)], 23G1746-03[250WATERST-SB105-SS(2-4)]

P-01

Result was confirmed using a dissimilar column. Relative percent difference between the two results was >40%. In accordance with the method, the higher result was reported.

Analyte & Samples(s) Qualified:

4,4'-DDT
23G1746-01[250WATERST-SB101-SS(2-4)]

P-02

Sample RPD between primary and confirmatory analysis exceeded 40%. Per EPA method 8000, the lower value was reported due to obvious chromatographic interference on the column with the higher result.

Analyte & Samples(s) Qualified:

4,4'-DDE
23G1746-01[250WATERST-SB101-SS(2-4)]

P-04

Due to continuing calibration non-conformance on the confirmatory detector, the lower of two results was reported.

Analyte & Samples(s) Qualified:

4,4'-DDT
23G1746-03[250WATERST-SB105-SS(2-4)]

S-01

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

Analyte & Samples(s) Qualified:

Decachlorobiphenyl
23G1746-01[250WATERST-SB101-SS(2-4)]

Decachlorobiphenyl [2C]
23G1746-01[250WATERST-SB101-SS(2-4)]

Tetrachloro-m-xylene
23G1746-01[250WATERST-SB101-SS(2-4)]

Tetrachloro-m-xylene [2C]
23G1746-01[250WATERST-SB101-SS(2-4)]

V-24

Continuing calibration verification (CCV) was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.

Analyte & Samples(s) Qualified:

4,4'-DDT
23G1746-01[250WATERST-SB101-SS(2-4)]

SW-846 8260D

Qualifications:

L-02

Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.

Analyte & Samples(s) Qualified:

Bromomethane
B345981-BS1, B345981-BSD1

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

Bromomethane
B345981-BS1, B345981-BSD1, S090483-CCV1

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V-35

Initial calibration verification (ICV) did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

Acetone
B345981-BS1, B345981-BSD1, S090483-CCV1

SW-846 8270E

Qualifications:

RL-12

Elevated reporting limit due to matrix interference.

Analyte & Samples(s) Qualified:

23G1746-01[250WATERST-SB101-SS(2-4)]

1,4-Dioxane
23G1746-01[250WATERST-SB101-SS(2-4)]

S-01

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

Analyte & Samples(s) Qualified:

2,4,6-Tribromophenol
23G1746-01RE1[250WATERST-SB101-SS(2-4)]

2-Fluorobiphenyl
23G1746-01RE1[250WATERST-SB101-SS(2-4)]

2-Fluorophenol
23G1746-01RE1[250WATERST-SB101-SS(2-4)]

Nitrobenzene-d5
23G1746-01RE1[250WATERST-SB101-SS(2-4)]

Phenol-d6
23G1746-01RE1[250WATERST-SB101-SS(2-4)]

p-Terphenyl-d14
23G1746-01RE1[250WATERST-SB101-SS(2-4)]

S-07

One associated surrogate standard recovery is outside of control limits but the other(s) is/are within limits. All recoveries are > 10%.

Analyte & Samples(s) Qualified:

2,4,6-Tribromophenol
23G1746-01[250WATERST-SB101-SS(2-4)]

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol
23G1746-01[250WATERST-SB101-SS(2-4)], 23G1746-02[250WATERST-SB101-SS(8-10)], 23G1746-03[250WATERST-SB105-SS(2-4)], 23G1746-04[250WATERST-SB105-SS(13-15)], B347054-BS1, S091135-CCV1

Bis(2-chloroethyl)ether
B347054-BLK1, B347054-BS1, B347054-BSD1, S091151-CCV1

Bis(2-chloroisopropyl)ether
B347054-BLK1, B347054-BS1, B347054-BSD1, S091151-CCV1

Hexachlorocyclopentadiene
23G1746-01[250WATERST-SB101-SS(2-4)], 23G1746-02[250WATERST-SB101-SS(8-10)], 23G1746-03[250WATERST-SB105-SS(2-4)], 23G1746-04[250WATERST-SB105-SS(13-15)], B347054-BLK1, B347054-BS1, B347054-BSD1, S091135-CCV1, S091151-CCV1, S091309-CCV1

Pentachlorophenol
23G1746-01[250WATERST-SB101-SS(2-4)], 23G1746-02[250WATERST-SB101-SS(8-10)], 23G1746-03[250WATERST-SB105-SS(2-4)], 23G1746-04[250WATERST-SB105-SS(13-15)], B347054-BS1, S091135-CCV1, S091309-CCV1

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V-06

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

Analyte & Samples(s) Qualified:

2,4-Dinitrotoluene
23G1746-01[250WATERST-SB101-SS(2-4)], 23G1746-02[250WATERST-SB101-SS(8-10)], 23G1746-03[250WATERST-SB105-SS(2-4)], 23G1746-04[250WATERST-SB105-SS(13-15)], B347054-BS1, S091135-CCV1, S091309-CCV1
2-Nitroaniline
23G1746-01[250WATERST-SB101-SS(2-4)], 23G1746-02[250WATERST-SB101-SS(8-10)], 23G1746-03[250WATERST-SB105-SS(2-4)], 23G1746-04[250WATERST-SB105-SS(13-15)], B347054-BS1, S091135-CCV1, S091309-CCV1
3,3-Dichlorobenzidine
B347054-BLK1, B347054-BS1, B347054-BSD1, S091151-CCV1
4-Nitrophenol
23G1746-01[250WATERST-SB101-SS(2-4)], 23G1746-02[250WATERST-SB101-SS(8-10)], 23G1746-03[250WATERST-SB105-SS(2-4)], 23G1746-04[250WATERST-SB105-SS(13-15)], B347054-BS1, S091135-CCV1, S091309-CCV1
Indeno(1,2,3-cd)pyrene
23G1746-01[250WATERST-SB101-SS(2-4)], 23G1746-02[250WATERST-SB101-SS(8-10)], 23G1746-03[250WATERST-SB105-SS(2-4)], 23G1746-04[250WATERST-SB105-SS(13-15)], B347054-BS1, B347054-BSD1, S091135-CCV1, S091151-CCV1
Nitrobenzene
23G1746-01[250WATERST-SB101-SS(2-4)], 23G1746-02[250WATERST-SB101-SS(8-10)], 23G1746-03[250WATERST-SB105-SS(2-4)], 23G1746-04[250WATERST-SB105-SS(13-15)], B347054-BS1, S091135-CCV1, S091309-CCV1
N-Nitrosodi-n-propylamine
S091309-CCV1

SW-846 9014

Qualifications:

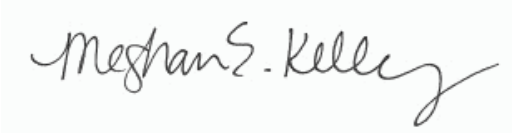
L-07A

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD outside of control limits. Reduced precision anticipated for any reported result for this compound.

Analyte & Samples(s) Qualified:

Cyanide
B346292-BS1, B346292-BSD1

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Meghan E. Kelley
Reporting Specialist

con-test
A Pace Analytical® Laboratory

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Project Location: 250 Water St., Manhattan, NY Sample Description: Work Order: 23G1746

Date Received: 7/13/2023

Field Sample #: 250WATERST-SB101-SS(2-4) Sampled: 7/12/2023 07:45

Sample ID: 23G1746-01

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.039	0.18	0.016	mg/Kg dry	1	J	SW-846 8260D	7/14/23	7/14/23 8:02	MFF
Benzene	ND	0.0035	0.0010	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:02	MFF
Bromochloromethane	ND	0.0035	0.0014	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:02	MFF
Bromodichloromethane	ND	0.0035	0.00093	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:02	MFF
Bromoform	ND	0.0035	0.0011	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:02	MFF
Bromomethane	ND	0.018	0.0031	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:02	MFF
2-Butanone (MEK)	ND	0.071	0.011	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:02	MFF
Carbon Disulfide	ND	0.071	0.014	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:02	MFF
Carbon Tetrachloride	ND	0.0035	0.0014	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:02	MFF
Chlorobenzene	ND	0.0035	0.0010	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:02	MFF
Chlorodibromomethane	ND	0.0018	0.0011	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:02	MFF
Chloroethane	ND	0.035	0.0020	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:02	MFF
Chloroform	0.0015	0.0071	0.0011	mg/Kg dry	1	J	SW-846 8260D	7/14/23	7/14/23 8:02	MFF
Chloromethane	0.0045	0.018	0.0018	mg/Kg dry	1	J	SW-846 8260D	7/14/23	7/14/23 8:02	MFF
Cyclohexane	ND	0.018	0.0072	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:02	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0035	0.0014	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:02	MFF
1,2-Dibromoethane (EDB)	ND	0.0018	0.0014	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:02	MFF
1,2-Dichlorobenzene	ND	0.0035	0.00094	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:02	MFF
1,3-Dichlorobenzene	ND	0.0035	0.00098	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:02	MFF
1,4-Dichlorobenzene	ND	0.0035	0.0011	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:02	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.035	0.0018	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:02	MFF
1,1-Dichloroethane	ND	0.0035	0.0012	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:02	MFF
1,2-Dichloroethane	ND	0.0035	0.0012	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:02	MFF
1,1-Dichloroethylene	ND	0.0071	0.0015	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:02	MFF
cis-1,2-Dichloroethylene	ND	0.0035	0.0011	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:02	MFF
trans-1,2-Dichloroethylene	ND	0.0035	0.0013	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:02	MFF
1,2-Dichloropropane	ND	0.0035	0.0011	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:02	MFF
cis-1,3-Dichloropropene	ND	0.0018	0.0010	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:02	MFF
trans-1,3-Dichloropropene	ND	0.0018	0.0011	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:02	MFF
1,4-Dioxane	ND	0.18	0.081	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:02	MFF
Ethylbenzene	ND	0.0035	0.0011	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:02	MFF
2-Hexanone (MBK)	ND	0.035	0.0089	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:02	MFF
Isopropylbenzene (Cumene)	ND	0.0035	0.0011	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:02	MFF
Methyl Acetate	ND	0.0035	0.0025	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:02	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0071	0.0012	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:02	MFF
Methyl Cyclohexane	ND	0.0071	0.0014	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:02	MFF
Methylene Chloride	ND	0.035	0.0017	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:02	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.035	0.0078	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:02	MFF
Styrene	ND	0.0035	0.00088	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:02	MFF
1,1,2,2-Tetrachloroethane	ND	0.0018	0.00098	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:02	MFF
Tetrachloroethylene	ND	0.0035	0.0015	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:02	MFF
Toluene	ND	0.0035	0.0012	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:02	MFF
1,2,3-Trichlorobenzene	ND	0.0035	0.0010	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:02	MFF
1,2,4-Trichlorobenzene	ND	0.0035	0.0011	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:02	MFF

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Project Location: 250 Water St., Manhattan, NY Sample Description: Work Order: 23G1746

Date Received: 7/13/2023

Field Sample #: 250WATERST-SB101-SS(2-4) Sampled: 7/12/2023 07:45

Sample ID: 23G1746-01

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	0.0035	0.0014	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:02	MFF
1,1,2-Trichloroethane	ND	0.0035	0.00095	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:02	MFF
Trichloroethylene	ND	0.0035	0.0014	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:02	MFF
Trichlorofluoromethane (Freon 11)	ND	0.018	0.0013	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:02	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.018	0.0015	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:02	MFF
Vinyl Chloride	ND	0.018	0.0013	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:02	MFF
Xylenes (total)	ND	0.0035	0.0035	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:02	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	110	70-130		7/14/23 8:02
Toluene-d8	96.0	70-130		7/14/23 8:02
4-Bromofluorobenzene	101	70-130		7/14/23 8:02

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Project Location: 250 Water St., Manhattan, NY Sample Description: Work Order: 23G1746

Date Received: 7/13/2023

Field Sample #: 250WATERST-SB101-SS(2-4) Sampled: 7/12/2023 07:45

Sample ID: 23G1746-01

Sample Matrix: Soil

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	mg/Kg dry			1			SW-846 8260D	7/14/23	7/14/23 8:02	MFF

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Project Location: 250 Water St., Manhattan, NY Sample Description: Work Order: 23G1746

Date Received: 7/13/2023

Field Sample #: 250WATERST-SB101-SS(2-4) Sampled: 7/12/2023 07:45

Sample ID: 23G1746-01

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	3.4	0.24	mg/Kg dry	4		SW-846 8270E	7/26/23	7/27/23 17:47	AR2
Benzaldehyde	0.26	1.7	0.17	mg/Kg dry	4	J	SW-846 8270E	7/26/23	7/27/23 17:47	AR2
Biphenyl	0.79	3.4	0.27	mg/Kg dry	4	J	SW-846 8270E	7/26/23	7/27/23 17:47	AR2
Caprolactam	ND	1.7	0.25	mg/Kg dry	4		SW-846 8270E	7/26/23	7/27/23 17:47	AR2
Acenaphthene	6.7	0.87	0.33	mg/Kg dry	4		SW-846 8270E	7/26/23	7/27/23 17:47	AR2
Acenaphthylene	1.9	0.87	0.34	mg/Kg dry	4		SW-846 8270E	7/26/23	7/27/23 17:47	AR2
Acetophenone	ND	1.7	0.34	mg/Kg dry	4		SW-846 8270E	7/26/23	7/27/23 17:47	AR2
Anthracene	13	0.87	0.33	mg/Kg dry	4		SW-846 8270E	7/26/23	7/27/23 17:47	AR2
Benzo(a)anthracene	37	8.7	3.1	mg/Kg dry	40		SW-846 8270E	7/26/23	7/27/23 23:01	AR2
Benzo(a)pyrene	35	8.7	2.9	mg/Kg dry	40		SW-846 8270E	7/26/23	7/27/23 23:01	AR2
Benzo(b)fluoranthene	47	8.7	2.9	mg/Kg dry	40		SW-846 8270E	7/26/23	7/27/23 23:01	AR2
Benzo(g,h,i)perylene	18	0.87	0.36	mg/Kg dry	4		SW-846 8270E	7/26/23	7/27/23 17:47	AR2
Benzo(k)fluoranthene	16	0.87	0.31	mg/Kg dry	4		SW-846 8270E	7/26/23	7/27/23 17:47	AR2
Bis(2-chloroethoxy)methane	ND	1.7	0.34	mg/Kg dry	4		SW-846 8270E	7/26/23	7/27/23 17:47	AR2
Bis(2-chloroethyl)ether	ND	1.7	0.36	mg/Kg dry	4		SW-846 8270E	7/26/23	7/27/23 17:47	AR2
Bis(2-chloroisopropyl)ether	ND	1.7	0.73	mg/Kg dry	4		SW-846 8270E	7/26/23	7/27/23 17:47	AR2
Bis(2-Ethylhexyl)phthalate	ND	1.7	0.35	mg/Kg dry	4		SW-846 8270E	7/26/23	7/27/23 17:47	AR2
4-Bromophenylphenylether	ND	1.7	0.36	mg/Kg dry	4		SW-846 8270E	7/26/23	7/27/23 17:47	AR2
Butylbenzylphthalate	ND	1.7	0.33	mg/Kg dry	4		SW-846 8270E	7/26/23	7/27/23 17:47	AR2
Carbazole	6.6	0.87	0.34	mg/Kg dry	4		SW-846 8270E	7/26/23	7/27/23 17:47	AR2
4-Chloroaniline	ND	3.4	0.31	mg/Kg dry	4		SW-846 8270E	7/26/23	7/27/23 17:47	AR2
4-Chloro-3-methylphenol	ND	3.4	0.34	mg/Kg dry	4		SW-846 8270E	7/26/23	7/27/23 17:47	AR2
2-Chloronaphthalene	ND	1.7	0.31	mg/Kg dry	4		SW-846 8270E	7/26/23	7/27/23 17:47	AR2
2-Chlorophenol	ND	1.7	0.35	mg/Kg dry	4		SW-846 8270E	7/26/23	7/27/23 17:47	AR2
4-Chlorophenylphenylether	ND	1.7	0.34	mg/Kg dry	4		SW-846 8270E	7/26/23	7/27/23 17:47	AR2
Chrysene	36	8.7	3.1	mg/Kg dry	40		SW-846 8270E	7/26/23	7/27/23 23:01	AR2
Dibenz(a,h)anthracene	4.4	0.87	0.33	mg/Kg dry	4		SW-846 8270E	7/26/23	7/27/23 17:47	AR2
Dibenzofuran	4.4	1.7	0.34	mg/Kg dry	4		SW-846 8270E	7/26/23	7/27/23 17:47	AR2
Di-n-butylphthalate	ND	1.7	0.32	mg/Kg dry	4		SW-846 8270E	7/26/23	7/27/23 17:47	AR2
3,3-Dichlorobenzidine	ND	0.87	0.23	mg/Kg dry	4		SW-846 8270E	7/26/23	7/27/23 17:47	AR2
2,4-Dichlorophenol	ND	1.7	0.33	mg/Kg dry	4		SW-846 8270E	7/26/23	7/27/23 17:47	AR2
Diethylphthalate	ND	1.7	0.34	mg/Kg dry	4		SW-846 8270E	7/26/23	7/27/23 17:47	AR2
2,4-Dimethylphenol	ND	1.7	0.45	mg/Kg dry	4		SW-846 8270E	7/26/23	7/27/23 17:47	AR2
Dimethylphthalate	ND	1.7	0.36	mg/Kg dry	4		SW-846 8270E	7/26/23	7/27/23 17:47	AR2
4,6-Dinitro-2-methylphenol	ND	1.7	1.4	mg/Kg dry	4		SW-846 8270E	7/26/23	7/27/23 17:47	AR2
2,4-Dinitrophenol	ND	3.4	1.5	mg/Kg dry	4	V-05	SW-846 8270E	7/26/23	7/27/23 17:47	AR2
2,4-Dinitrotoluene	ND	1.7	0.35	mg/Kg dry	4	V-06	SW-846 8270E	7/26/23	7/27/23 17:47	AR2
2,6-Dinitrotoluene	ND	1.7	0.39	mg/Kg dry	4		SW-846 8270E	7/26/23	7/27/23 17:47	AR2
Di-n-octylphthalate	ND	1.7	0.34	mg/Kg dry	4		SW-846 8270E	7/26/23	7/27/23 17:47	AR2
Fluoranthene	90	8.7	3.1	mg/Kg dry	40		SW-846 8270E	7/26/23	7/27/23 23:01	AR2
Fluorene	5.9	0.87	0.34	mg/Kg dry	4		SW-846 8270E	7/26/23	7/27/23 17:47	AR2
Hexachlorobenzene	ND	1.7	0.36	mg/Kg dry	4		SW-846 8270E	7/26/23	7/27/23 17:47	AR2
Hexachlorobutadiene	ND	1.7	0.35	mg/Kg dry	4		SW-846 8270E	7/26/23	7/27/23 17:47	AR2
Hexachlorocyclopentadiene	ND	1.7	1.1	mg/Kg dry	4	V-05	SW-846 8270E	7/26/23	7/27/23 17:47	AR2

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Project Location: 250 Water St., Manhattan, NY Sample Description: Work Order: 23G1746

Date Received: 7/13/2023

Field Sample #: 250WATERST-SB101-SS(2-4) Sampled: 7/12/2023 07:45

Sample ID: 23G1746-01

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	1.7	0.34	mg/Kg dry	4		SW-846 8270E	7/26/23	7/27/23 17:47	AR2
Indeno(1,2,3-cd)pyrene	19	0.87	0.38	mg/Kg dry	4	V-06	SW-846 8270E	7/26/23	7/27/23 17:47	AR2
Isophorone	ND	1.7	0.35	mg/Kg dry	4		SW-846 8270E	7/26/23	7/27/23 17:47	AR2
2-Methylnaphthalene	3.0	0.87	0.34	mg/Kg dry	4		SW-846 8270E	7/26/23	7/27/23 17:47	AR2
2-Methylphenol	ND	1.7	0.34	mg/Kg dry	4		SW-846 8270E	7/26/23	7/27/23 17:47	AR2
3/4-Methylphenol	ND	1.7	0.38	mg/Kg dry	4		SW-846 8270E	7/26/23	7/27/23 17:47	AR2
Naphthalene	7.3	0.87	0.35	mg/Kg dry	4		SW-846 8270E	7/26/23	7/27/23 17:47	AR2
2-Nitroaniline	ND	1.7	0.35	mg/Kg dry	4	V-06	SW-846 8270E	7/26/23	7/27/23 17:47	AR2
3-Nitroaniline	ND	1.7	0.41	mg/Kg dry	4		SW-846 8270E	7/26/23	7/27/23 17:47	AR2
4-Nitroaniline	ND	1.7	0.29	mg/Kg dry	4		SW-846 8270E	7/26/23	7/27/23 17:47	AR2
Nitrobenzene	ND	1.7	0.37	mg/Kg dry	4	V-06	SW-846 8270E	7/26/23	7/27/23 17:47	AR2
2-Nitrophenol	ND	1.7	0.36	mg/Kg dry	4		SW-846 8270E	7/26/23	7/27/23 17:47	AR2
4-Nitrophenol	ND	3.4	0.72	mg/Kg dry	4	V-06	SW-846 8270E	7/26/23	7/27/23 17:47	AR2
N-Nitrosodiphenylamine/Diphenylamine	ND	1.7	0.35	mg/Kg dry	4		SW-846 8270E	7/26/23	7/27/23 17:47	AR2
N-Nitrosodi-n-propylamine	ND	1.7	0.38	mg/Kg dry	4		SW-846 8270E	7/26/23	7/27/23 17:47	AR2
Pentachlorophenol	ND	1.7	0.78	mg/Kg dry	4	V-05	SW-846 8270E	7/26/23	7/27/23 17:47	AR2
Phenanthrene	81	8.7	3.4	mg/Kg dry	40		SW-846 8270E	7/26/23	7/27/23 23:01	AR2
Phenol	ND	1.7	0.40	mg/Kg dry	4		SW-846 8270E	7/26/23	7/27/23 17:47	AR2
Pyrene	83	8.7	3.5	mg/Kg dry	40		SW-846 8270E	7/26/23	7/27/23 23:01	AR2
1,2,4,5-Tetrachlorobenzene	ND	1.7	0.36	mg/Kg dry	4		SW-846 8270E	7/26/23	7/27/23 17:47	AR2
2,4,5-Trichlorophenol	ND	1.7	0.34	mg/Kg dry	4		SW-846 8270E	7/26/23	7/27/23 17:47	AR2
2,4,6-Trichlorophenol	ND	1.7	0.33	mg/Kg dry	4		SW-846 8270E	7/26/23	7/27/23 17:47	AR2

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
2-Fluorophenol	47.8		30-130		7/27/23 17:47
2-Fluorophenol		*	30-130	S-01	7/27/23 23:01
Phenol-d6	54.9		30-130		7/27/23 17:47
Phenol-d6		*	30-130	S-01	7/27/23 23:01
Nitrobenzene-d5	63.9		30-130		7/27/23 17:47
Nitrobenzene-d5		*	30-130	S-01	7/27/23 23:01
2-Fluorobiphenyl	54.5		30-130		7/27/23 17:47
2-Fluorobiphenyl		*	30-130	S-01	7/27/23 23:01
2,4,6-Tribromophenol	**22.6**	*	30-130	S-07	7/27/23 17:47
2,4,6-Tribromophenol		*	30-130	S-01	7/27/23 23:01
p-Terphenyl-d14	58.8		30-130		7/27/23 17:47
p-Terphenyl-d14		*	30-130	S-01	7/27/23 23:01

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Project Location: 250 Water St., Manhattan, NY Sample Description: Work Order: 23G1746

Date Received: 7/13/2023

Field Sample #: 250WATERST-SB101-SS(2-4) Sampled: 7/12/2023 07:45

Sample ID: 23G1746-01

Sample Matrix: Soil

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.63	0.26	mg/Kg dry	10	RL-12	SW-846 8270E	7/19/23	7/25/23 20:48	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,4-Dioxane-d8	39.0	15-110							7/25/23 20:48

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Project Location: 250 Water St., Manhattan, NY Sample Description: Work Order: 23G1746

Date Received: 7/13/2023

Field Sample #: 250WATERST-SB101-SS(2-4) Sampled: 7/12/2023 07:45

Sample ID: 23G1746-01

Sample Matrix: Soil

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
(1-Cyclopentenyl)ferrocene	1.4	mg/Kg dry	330855	10.701	1	012260-67-2	80	SW-846 8270E	7/26/23	7/27/23 17:47	AR2
11H-Benzo[a]fluoren-11-one	0.30	mg/Kg dry	680565	8.099	1	000479-79-8	97	SW-846 8270E	7/26/23	7/27/23 17:47	AR2
11H-Benzo[b]fluorene	0.33	mg/Kg dry	750331	7.37	1	000243-17-4	90	SW-846 8270E	7/26/23	7/27/23 17:47	AR2
1H-Cyclopropa[l]phenanthren...	0.20	mg/Kg dry	1029100	6.413	1	000949-41-7	98	SW-846 8270E	7/26/23	7/27/23 17:47	AR2
7H-Benz[de]anthracen-7-one	0.28	mg/Kg dry	635166	8.394	1	000082-05-3	87	SW-846 8270E	7/26/23	7/27/23 17:47	AR2
Benzo[e]pyrene	4.3	mg/Kg dry	1044150	11.043	1	000192-97-2	98	SW-846 8270E	7/26/23	7/27/23 17:47	AR2
Dibenzofuran, 4-methyl-	0.53	mg/Kg dry	142727	5.569	1	007320-53-8	86	SW-846 8270E	7/26/23	7/27/23 17:47	AR2
Fluoranthene, 2-methyl-	0.22	mg/Kg dry	487205	7.745	1	033543-31-6	89	SW-846 8270E	7/26/23	7/27/23 17:47	AR2
Naphthalene, 1,4-dimethyl-	0.41	mg/Kg dry	110897	4.988	1	000571-58-4	95	SW-846 8270E	7/26/23	7/27/23 17:47	AR2
Naphthalene, 1,6-dimethyl-	0.47	mg/Kg dry	125795	4.87	1	000575-43-9	96	SW-846 8270E	7/26/23	7/27/23 17:47	AR2
Naphthalene, 2,7-dimethyl-	0.69	mg/Kg dry	187024	4.914	1	000582-16-1	96	SW-846 8270E	7/26/23	7/27/23 17:47	AR2
Perylene	1.7	mg/Kg dry	414255	11.319	1	000198-55-0	90	SW-846 8270E	7/26/23	7/27/23 17:47	AR2
Phosphine imide, P,P,P-trip...	0.61	mg/Kg dry	1384700	8.776	1	002240-47-3	93	SW-846 8270E	7/26/23	7/27/23 17:47	AR2
Pyrene, 1-methyl-	0.27	mg/Kg dry	607648	7.602	1	002381-21-7	94	SW-846 8270E	7/26/23	7/27/23 17:47	AR2
Pyrene, 2-methyl-	0.21	mg/Kg dry	469359	7.463	1	003442-78-2	86	SW-846 8270E	7/26/23	7/27/23 17:47	AR2
Tentatively Identified Compounds	0.0	mg/Kg dry			1	NA		SW-846 8270E	7/26/23	7/27/23 17:47	AR2

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Project Location: 250 Water St., Manhattan, NY Sample Description: Work Order: 23G1746

Date Received: 7/13/2023

Field Sample #: 250WATERST-SB101-SS(2-4) Sampled: 7/12/2023 07:45

Sample ID: 23G1746-01

Sample Matrix: Soil

Sample Flags: DL-03

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [1]	ND	1.2	0.37	mg/Kg dry	50		SW-846 8081B	7/19/23	7/21/23 21:37	TG
Aldrin [1]	ND	0.31	0.030	mg/Kg dry	50		SW-846 8081B	7/19/23	7/21/23 21:37	TG
alpha-BHC [1]	ND	0.31	0.17	mg/Kg dry	50		SW-846 8081B	7/19/23	7/21/23 21:37	TG
beta-BHC [1]	ND	0.31	0.14	mg/Kg dry	50		SW-846 8081B	7/19/23	7/21/23 21:37	TG
delta-BHC [1]	ND	0.31	0.20	mg/Kg dry	50		SW-846 8081B	7/19/23	7/21/23 21:37	TG
gamma-BHC (Lindane) [1]	ND	0.12	0.026	mg/Kg dry	50		SW-846 8081B	7/19/23	7/21/23 21:37	TG
Chlordane [1]	ND	1.2	0.43	mg/Kg dry	50		SW-846 8081B	7/19/23	7/21/23 21:37	TG
4,4'-DDD [1]	ND	0.25	0.027	mg/Kg dry	50		SW-846 8081B	7/19/23	7/21/23 21:37	TG
4,4'-DDE [1]	0.11	0.25	0.029	mg/Kg dry	50	J, P-02	SW-846 8081B	7/19/23	7/21/23 21:37	TG
4,4'-DDT [1]	0.18	0.25	0.026	mg/Kg dry	50	J, P-01, V-24	SW-846 8081B	7/19/23	7/21/23 21:37	TG
Dieldrin [1]	ND	0.25	0.024	mg/Kg dry	50		SW-846 8081B	7/19/23	7/21/23 21:37	TG
Endosulfan I [1]	ND	0.31	0.15	mg/Kg dry	50		SW-846 8081B	7/19/23	7/21/23 21:37	TG
Endosulfan II [1]	ND	0.49	0.15	mg/Kg dry	50		SW-846 8081B	7/19/23	7/21/23 21:37	TG
Endosulfan sulfate [1]	ND	0.49	0.15	mg/Kg dry	50		SW-846 8081B	7/19/23	7/21/23 21:37	TG
Endrin [1]	ND	0.49	0.15	mg/Kg dry	50		SW-846 8081B	7/19/23	7/21/23 21:37	TG
Endrin aldehyde [1]	ND	0.49	0.30	mg/Kg dry	50		SW-846 8081B	7/19/23	7/22/23 3:01	TG
Endrin ketone [1]	ND	0.49	0.14	mg/Kg dry	50		SW-846 8081B	7/19/23	7/21/23 21:37	TG
Heptachlor [1]	ND	0.31	0.030	mg/Kg dry	50		SW-846 8081B	7/19/23	7/21/23 21:37	TG
Heptachlor epoxide [1]	ND	0.31	0.028	mg/Kg dry	50		SW-846 8081B	7/19/23	7/21/23 21:37	TG
Hexachlorobenzene [1]	ND	0.37	0.21	mg/Kg dry	50		SW-846 8081B	7/19/23	7/21/23 21:37	TG
Methoxychlor [1]	ND	3.1	0.38	mg/Kg dry	50		SW-846 8081B	7/19/23	7/21/23 21:37	TG
Toxaphene [1]	ND	6.1	3.0	mg/Kg dry	50		SW-846 8081B	7/19/23	7/21/23 21:37	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	7/21/23 21:37
Decachlorobiphenyl [2]	*	30-150	S-01	7/21/23 21:37
Tetrachloro-m-xylene [1]	*	30-150	S-01	7/21/23 21:37
Tetrachloro-m-xylene [2]	*	30-150	S-01	7/21/23 21:37

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Project Location: 250 Water St., Manhattan, NY Sample Description: Work Order: 23G1746

Date Received: 7/13/2023

Field Sample #: 250WATERST-SB101-SS(2-4) Sampled: 7/12/2023 07:45

Sample ID: 23G1746-01

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	0.025	mg/Kg dry	4		SW-846 8082A	7/19/23	7/21/23 13:19	SFM
Aroclor-1221 [1]	ND	0.098	0.053	mg/Kg dry	4		SW-846 8082A	7/19/23	7/21/23 13:19	SFM
Aroclor-1232 [1]	ND	0.098	0.032	mg/Kg dry	4		SW-846 8082A	7/19/23	7/21/23 13:19	SFM
Aroclor-1242 [1]	ND	0.098	0.030	mg/Kg dry	4		SW-846 8082A	7/19/23	7/21/23 13:19	SFM
Aroclor-1248 [1]	ND	0.098	0.025	mg/Kg dry	4		SW-846 8082A	7/19/23	7/21/23 13:19	SFM
Aroclor-1254 [1]	ND	0.098	0.030	mg/Kg dry	4		SW-846 8082A	7/19/23	7/21/23 13:19	SFM
Aroclor-1260 [1]	ND	0.098	0.026	mg/Kg dry	4		SW-846 8082A	7/19/23	7/21/23 13:19	SFM
Aroclor-1262 [1]	ND	0.098	0.029	mg/Kg dry	4		SW-846 8082A	7/19/23	7/21/23 13:19	SFM
Aroclor-1268 [1]	ND	0.098	0.033	mg/Kg dry	4		SW-846 8082A	7/19/23	7/21/23 13:19	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	92.2	30-150		7/21/23 13:19
Decachlorobiphenyl [2]	139	30-150		7/21/23 13:19
Tetrachloro-m-xylene [1]	81.2	30-150		7/21/23 13:19
Tetrachloro-m-xylene [2]	78.1	30-150		7/21/23 13:19

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Project Location: 250 Water St., Manhattan, NY Sample Description: Work Order: 23G1746

Date Received: 7/13/2023

Field Sample #: 250WATERST-SB101-SS(2-4) Sampled: 7/12/2023 07:45

Sample ID: 23G1746-01

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	4800	21	15	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:37	HNN
Antimony	13	2.1	0.43	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:37	HNN
Arsenic	20	4.2	0.70	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:37	HNN
Barium	490	2.1	0.32	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:37	HNN
Beryllium	1.6	0.21	0.062	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:37	HNN
Cadmium	4.9	0.42	0.14	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:37	HNN
Calcium	53000	210	37	mg/Kg dry	10		SW-846 6010D	7/19/23	7/29/23 21:27	MJH
Chromium	28	0.83	0.31	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:37	HNN
Cobalt	15	2.1	0.30	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:37	HNN
Copper	1000	0.83	0.18	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:37	HNN
Iron	46000	210	130	mg/Kg dry	10		SW-846 6010D	7/19/23	7/29/23 21:27	MJH
Lead	1900	0.62	0.34	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:37	HNN
Magnesium	4800	21	3.2	mg/Kg dry	1		SW-846 6010D	7/19/23	7/29/23 19:58	MJH
Manganese	310	0.42	0.22	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:37	HNN
Mercury	6.0	0.33	0.14	mg/Kg dry	10		SW-846 7471B	7/26/23	7/27/23 15:01	AAJ
Nickel	66	0.83	0.34	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:37	HNN
Potassium	1000	210	38	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:37	HNN
Selenium	ND	4.2	0.89	mg/Kg dry	1		SW-846 6010D	7/19/23	7/29/23 19:58	MJH
Silver	0.89	0.42	0.14	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:37	HNN
Sodium	460	210	37	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:37	HNN
Thallium	ND	2.1	0.73	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:37	HNN
Vanadium	45	0.83	0.26	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:37	HNN
Zinc	2900	0.83	0.29	mg/Kg dry	1		SW-846 6010D	7/19/23	7/29/23 19:58	MJH

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Project Location: 250 Water St., Manhattan, NY Sample Description: Work Order: 23G1746

Date Received: 7/13/2023

Field Sample #: 250WATERST-SB101-SS(2-4) Sampled: 7/12/2023 07:45

Sample ID: 23G1746-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	78.3			% Wt	1		SM 2540G	7/14/23	7/14/23 8:22	ATP
Cyanide	4.1	0.51	0.36	mg/Kg dry	1		SW-846 9014	7/18/23	7/20/23 5:54	MMH

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Project Location: 250 Water St., Manhattan, NY Sample Description: Work Order: 23G1746

Date Received: 7/13/2023

Field Sample #: 250WATERST-SB101-SS(8-10) Sampled: 7/12/2023 08:00

Sample ID: 23G1746-02

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.074	0.0067	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:27	MFF
Benzene	ND	0.0015	0.00043	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:27	MFF
Bromochloromethane	ND	0.0015	0.00058	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:27	MFF
Bromodichloromethane	ND	0.0015	0.00039	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:27	MFF
Bromoform	ND	0.0015	0.00045	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:27	MFF
Bromomethane	ND	0.0074	0.0013	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:27	MFF
2-Butanone (MEK)	ND	0.030	0.0047	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:27	MFF
Carbon Disulfide	ND	0.030	0.0060	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:27	MFF
Carbon Tetrachloride	ND	0.0015	0.00059	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:27	MFF
Chlorobenzene	ND	0.0015	0.00042	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:27	MFF
Chlorodibromomethane	ND	0.00074	0.00047	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:27	MFF
Chloroethane	ND	0.015	0.00082	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:27	MFF
Chloroform	0.00095	0.0030	0.00047	mg/Kg dry	1	J	SW-846 8260D	7/14/23	7/14/23 8:27	MFF
Chloromethane	ND	0.0074	0.00074	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:27	MFF
Cyclohexane	ND	0.0074	0.0030	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:27	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0015	0.00059	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:27	MFF
1,2-Dibromoethane (EDB)	ND	0.00074	0.00057	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:27	MFF
1,2-Dichlorobenzene	ND	0.0015	0.00039	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:27	MFF
1,3-Dichlorobenzene	ND	0.0015	0.00041	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:27	MFF
1,4-Dichlorobenzene	ND	0.0015	0.00045	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:27	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.015	0.00077	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:27	MFF
1,1-Dichloroethane	ND	0.0015	0.00051	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:27	MFF
1,2-Dichloroethane	ND	0.0015	0.00050	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:27	MFF
1,1-Dichloroethylene	ND	0.0030	0.00061	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:27	MFF
cis-1,2-Dichloroethylene	ND	0.0015	0.00047	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:27	MFF
trans-1,2-Dichloroethylene	ND	0.0015	0.00054	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:27	MFF
1,2-Dichloropropane	ND	0.0015	0.00046	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:27	MFF
cis-1,3-Dichloropropene	ND	0.00074	0.00042	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:27	MFF
trans-1,3-Dichloropropene	ND	0.00074	0.00045	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:27	MFF
1,4-Dioxane	ND	0.074	0.034	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:27	MFF
Ethylbenzene	ND	0.0015	0.00044	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:27	MFF
2-Hexanone (MBK)	ND	0.015	0.0037	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:27	MFF
Isopropylbenzene (Cumene)	ND	0.0015	0.00046	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:27	MFF
Methyl Acetate	ND	0.0015	0.0011	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:27	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0030	0.00050	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:27	MFF
Methyl Cyclohexane	ND	0.0030	0.00058	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:27	MFF
Methylene Chloride	ND	0.015	0.00071	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:27	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.015	0.0033	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:27	MFF
Styrene	ND	0.0015	0.00037	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:27	MFF
1,1,2,2-Tetrachloroethane	ND	0.00074	0.00041	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:27	MFF
Tetrachloroethylene	ND	0.0015	0.00063	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:27	MFF
Toluene	ND	0.0015	0.00050	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:27	MFF
1,2,3-Trichlorobenzene	ND	0.0015	0.00042	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:27	MFF
1,2,4-Trichlorobenzene	ND	0.0015	0.00045	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:27	MFF

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Project Location: 250 Water St., Manhattan, NY Sample Description: Work Order: 23G1746

Date Received: 7/13/2023

Field Sample #: 250WATERST-SB101-SS(8-10) Sampled: 7/12/2023 08:00

Sample ID: 23G1746-02

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	0.0015	0.00057	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:27	MFF
1,1,2-Trichloroethane	ND	0.0015	0.00040	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:27	MFF
Trichloroethylene	ND	0.0015	0.00060	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:27	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0074	0.00056	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:27	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0074	0.00064	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:27	MFF
Vinyl Chloride	ND	0.0074	0.00055	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:27	MFF
Xylenes (total)	ND	0.0015	0.0015	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:27	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	111	70-130		7/14/23 8:27
Toluene-d8	99.0	70-130		7/14/23 8:27
4-Bromofluorobenzene	102	70-130		7/14/23 8:27

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Project Location: 250 Water St., Manhattan, NY Sample Description: Work Order: 23G1746

Date Received: 7/13/2023

Field Sample #: 250WATERST-SB101-SS(8-10) Sampled: 7/12/2023 08:00

Sample ID: 23G1746-02

Sample Matrix: Soil

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	mg/Kg dry			1			SW-846 8260D	7/14/23	7/14/23 8:27	MFF

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Project Location: 250 Water St., Manhattan, NY Sample Description: Work Order: 23G1746

Date Received: 7/13/2023

Field Sample #: 250WATERST-SB101-SS(8-10) Sampled: 7/12/2023 08:00

Sample ID: 23G1746-02

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	0.87	0.060	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:13	AR2
Benzaldehyde	ND	0.44	0.042	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:13	AR2
Biphenyl	ND	0.87	0.069	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:13	AR2
Caprolactam	ND	0.44	0.063	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:13	AR2
Acenaphthene	ND	0.22	0.084	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:13	AR2
Acenaphthylene	ND	0.22	0.086	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:13	AR2
Acetophenone	ND	0.44	0.086	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:13	AR2
Anthracene	ND	0.22	0.085	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:13	AR2
Benzo(a)anthracene	ND	0.22	0.079	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:13	AR2
Benzo(a)pyrene	ND	0.22	0.073	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:13	AR2
Benzo(b)fluoranthene	ND	0.22	0.074	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:13	AR2
Benzo(g,h,i)perylene	ND	0.22	0.092	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:13	AR2
Benzo(k)fluoranthene	ND	0.22	0.079	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:13	AR2
Bis(2-chloroethoxy)methane	ND	0.44	0.086	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:13	AR2
Bis(2-chloroethyl)ether	ND	0.44	0.092	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:13	AR2
Bis(2-chloroisopropyl)ether	ND	0.44	0.18	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:13	AR2
Bis(2-Ethylhexyl)phthalate	ND	0.44	0.090	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:13	AR2
4-Bromophenylphenylether	ND	0.44	0.091	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:13	AR2
Butylbenzylphthalate	ND	0.44	0.083	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:13	AR2
Carbazole	ND	0.22	0.085	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:13	AR2
4-Chloroaniline	ND	0.85	0.078	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:13	AR2
4-Chloro-3-methylphenol	ND	0.85	0.087	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:13	AR2
2-Chloronaphthalene	ND	0.44	0.078	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:13	AR2
2-Chlorophenol	ND	0.44	0.089	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:13	AR2
4-Chlorophenylphenylether	ND	0.44	0.085	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:13	AR2
Chrysene	ND	0.22	0.079	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:13	AR2
Dibenz(a,h)anthracene	ND	0.22	0.085	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:13	AR2
Dibenzofuran	ND	0.44	0.086	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:13	AR2
Di-n-butylphthalate	ND	0.44	0.080	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:13	AR2
3,3-Dichlorobenzidine	ND	0.22	0.058	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:13	AR2
2,4-Dichlorophenol	ND	0.44	0.085	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:13	AR2
Diethylphthalate	ND	0.44	0.085	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:13	AR2
2,4-Dimethylphenol	ND	0.44	0.11	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:13	AR2
Dimethylphthalate	ND	0.44	0.090	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:13	AR2
4,6-Dinitro-2-methylphenol	ND	0.44	0.36	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:13	AR2
2,4-Dinitrophenol	ND	0.85	0.38	mg/Kg dry	1	V-05	SW-846 8270E	7/26/23	7/27/23 18:13	AR2
2,4-Dinitrotoluene	ND	0.44	0.088	mg/Kg dry	1	V-06	SW-846 8270E	7/26/23	7/27/23 18:13	AR2
2,6-Dinitrotoluene	ND	0.44	0.099	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:13	AR2
Di-n-octylphthalate	ND	0.44	0.087	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:13	AR2
Fluoranthene	ND	0.22	0.078	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:13	AR2
Fluorene	ND	0.22	0.086	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:13	AR2
Hexachlorobenzene	ND	0.44	0.091	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:13	AR2
Hexachlorobutadiene	ND	0.44	0.089	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:13	AR2
Hexachlorocyclopentadiene	ND	0.44	0.28	mg/Kg dry	1	V-05	SW-846 8270E	7/26/23	7/27/23 18:13	AR2

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Project Location: 250 Water St., Manhattan, NY Sample Description: Work Order: 23G1746

Date Received: 7/13/2023

Field Sample #: 250WATERST-SB101-SS(8-10) Sampled: 7/12/2023 08:00

Sample ID: 23G1746-02

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	0.44	0.086	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:13	AR2
Indeno(1,2,3-cd)pyrene	ND	0.22	0.096	mg/Kg dry	1	V-06	SW-846 8270E	7/26/23	7/27/23 18:13	AR2
Isophorone	ND	0.44	0.090	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:13	AR2
2-Methylnaphthalene	ND	0.22	0.086	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:13	AR2
2-Methylphenol	ND	0.44	0.087	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:13	AR2
3/4-Methylphenol	ND	0.44	0.096	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:13	AR2
Naphthalene	ND	0.22	0.088	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:13	AR2
2-Nitroaniline	ND	0.44	0.087	mg/Kg dry	1	V-06	SW-846 8270E	7/26/23	7/27/23 18:13	AR2
3-Nitroaniline	ND	0.44	0.10	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:13	AR2
4-Nitroaniline	ND	0.44	0.074	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:13	AR2
Nitrobenzene	ND	0.44	0.095	mg/Kg dry	1	V-06	SW-846 8270E	7/26/23	7/27/23 18:13	AR2
2-Nitrophenol	ND	0.44	0.091	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:13	AR2
4-Nitrophenol	ND	0.85	0.18	mg/Kg dry	1	V-06	SW-846 8270E	7/26/23	7/27/23 18:13	AR2
N-Nitrosodiphenylamine/Diphenylamine	ND	0.44	0.088	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:13	AR2
N-Nitrosodi-n-propylamine	ND	0.44	0.095	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:13	AR2
Pentachlorophenol	ND	0.44	0.20	mg/Kg dry	1	V-05	SW-846 8270E	7/26/23	7/27/23 18:13	AR2
Phenanthrene	ND	0.22	0.086	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:13	AR2
Phenol	ND	0.44	0.10	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:13	AR2
Pyrene	ND	0.22	0.088	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:13	AR2
1,2,4,5-Tetrachlorobenzene	ND	0.44	0.090	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:13	AR2
2,4,5-Trichlorophenol	ND	0.44	0.085	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:13	AR2
2,4,6-Trichlorophenol	ND	0.44	0.084	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:13	AR2

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	74.5	30-130		7/27/23 18:13
Phenol-d6	84.2	30-130		7/27/23 18:13
Nitrobenzene-d5	90.8	30-130		7/27/23 18:13
2-Fluorobiphenyl	87.1	30-130		7/27/23 18:13
2,4,6-Tribromophenol	69.3	30-130		7/27/23 18:13
p-Terphenyl-d14	90.5	30-130		7/27/23 18:13

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Project Location: 250 Water St., Manhattan, NY Sample Description: Work Order: 23G1746

Date Received: 7/13/2023

Field Sample #: 250WATERST-SB101-SS(8-10) Sampled: 7/12/2023 08:00

Sample ID: 23G1746-02

Sample Matrix: Soil

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.064	0.026	mg/Kg dry	1		SW-846 8270E	7/19/23	7/25/23 22:26	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,4-Dioxane-d8	65.6	15-110		7/25/23 22:26

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Project Location: 250 Water St., Manhattan, NY Sample Description: Work Order: 23G1746

Date Received: 7/13/2023

Field Sample #: 250WATERST-SB101-SS(8-10) Sampled: 7/12/2023 08:00

Sample ID: 23G1746-02

Sample Matrix: Soil

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
3-Penten-2-one, 4-methyl-	2.0	mg/Kg dry	536217	2.265	1	000141-79-7	94	SW-846 8270E	7/26/23	7/27/23 18:13	AR2
Decane, 5,6-dimethyl-	0.26	mg/Kg dry	70173	2.554	1	001636-43-7	83	SW-846 8270E	7/26/23	7/27/23 18:13	AR2
Furan, 2,5-dimethyl-	1.1	mg/Kg dry	283202	1.778	1	000625-86-5	87	SW-846 8270E	7/26/23	7/27/23 18:13	AR2
Heptane, 2,5-dimethyl-	0.20	mg/Kg dry	54264	2.448	1	002216-30-0	90	SW-846 8270E	7/26/23	7/27/23 18:13	AR2
Phosphine imide, P,P,P-trip...	1.3	mg/Kg dry	608148	8.764	1	002240-47-3	90	SW-846 8270E	7/26/23	7/27/23 18:13	AR2
Tentatively Identified Compounds	0.0	mg/Kg dry			1	NA		SW-846 8270E	7/26/23	7/27/23 18:13	AR2

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Project Location: 250 Water St., Manhattan, NY Sample Description: Work Order: 23G1746

Date Received: 7/13/2023

Field Sample #: 250WATERST-SB101-SS(8-10) Sampled: 7/12/2023 08:00

Sample ID: 23G1746-02

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [1]	ND	0.024	0.0071	mg/Kg dry	1		SW-846 8081B	7/19/23	7/21/23 22:04	TG
Aldrin [1]	ND	0.0060	0.00059	mg/Kg dry	1		SW-846 8081B	7/19/23	7/21/23 22:04	TG
alpha-BHC [1]	ND	0.0060	0.0032	mg/Kg dry	1		SW-846 8081B	7/19/23	7/21/23 22:04	TG
beta-BHC [1]	ND	0.0060	0.0027	mg/Kg dry	1		SW-846 8081B	7/19/23	7/21/23 22:04	TG
delta-BHC [1]	ND	0.0060	0.0040	mg/Kg dry	1		SW-846 8081B	7/19/23	7/21/23 22:04	TG
gamma-BHC (Lindane) [1]	ND	0.0024	0.00051	mg/Kg dry	1		SW-846 8081B	7/19/23	7/21/23 22:04	TG
Chlordane [1]	ND	0.024	0.0084	mg/Kg dry	1		SW-846 8081B	7/19/23	7/21/23 22:04	TG
4,4'-DDD [1]	ND	0.0048	0.00053	mg/Kg dry	1		SW-846 8081B	7/19/23	7/21/23 22:04	TG
4,4'-DDE [1]	ND	0.0048	0.00056	mg/Kg dry	1		SW-846 8081B	7/19/23	7/21/23 22:04	TG
4,4'-DDT [1]	ND	0.0048	0.00051	mg/Kg dry	1		SW-846 8081B	7/19/23	7/21/23 22:04	TG
Dieldrin [1]	ND	0.0048	0.00047	mg/Kg dry	1		SW-846 8081B	7/19/23	7/21/23 22:04	TG
Endosulfan I [1]	ND	0.0060	0.0029	mg/Kg dry	1		SW-846 8081B	7/19/23	7/21/23 22:04	TG
Endosulfan II [1]	ND	0.0096	0.0029	mg/Kg dry	1		SW-846 8081B	7/19/23	7/21/23 22:04	TG
Endosulfan sulfate [1]	ND	0.0096	0.0030	mg/Kg dry	1		SW-846 8081B	7/19/23	7/21/23 22:04	TG
Endrin [1]	ND	0.0096	0.0030	mg/Kg dry	1		SW-846 8081B	7/19/23	7/21/23 22:04	TG
Endrin aldehyde [1]	ND	0.0096	0.0059	mg/Kg dry	1		SW-846 8081B	7/19/23	7/22/23 3:28	TG
Endrin ketone [1]	ND	0.0096	0.0028	mg/Kg dry	1		SW-846 8081B	7/19/23	7/21/23 22:04	TG
Heptachlor [1]	ND	0.0060	0.00058	mg/Kg dry	1		SW-846 8081B	7/19/23	7/21/23 22:04	TG
Heptachlor epoxide [1]	ND	0.0060	0.00054	mg/Kg dry	1		SW-846 8081B	7/19/23	7/21/23 22:04	TG
Hexachlorobenzene [1]	ND	0.0072	0.0040	mg/Kg dry	1		SW-846 8081B	7/19/23	7/21/23 22:04	TG
Methoxychlor [1]	ND	0.060	0.0074	mg/Kg dry	1		SW-846 8081B	7/19/23	7/21/23 22:04	TG
Toxaphene [1]	ND	0.12	0.058	mg/Kg dry	1		SW-846 8081B	7/19/23	7/21/23 22:04	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.9	30-150		7/21/23 22:04
Decachlorobiphenyl [2]	88.1	30-150		7/21/23 22:04
Tetrachloro-m-xylene [1]	85.5	30-150		7/21/23 22:04
Tetrachloro-m-xylene [2]	92.5	30-150		7/21/23 22:04

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Project Location: 250 Water St., Manhattan, NY Sample Description: Work Order: 23G1746

Date Received: 7/13/2023

Field Sample #: 250WATERST-SB101-SS(8-10) Sampled: 7/12/2023 08:00

Sample ID: 23G1746-02

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.096	0.025	mg/Kg dry	4		SW-846 8082A	7/19/23	7/21/23 13:36	SFM
Aroclor-1221 [1]	ND	0.096	0.051	mg/Kg dry	4		SW-846 8082A	7/19/23	7/21/23 13:36	SFM
Aroclor-1232 [1]	ND	0.096	0.031	mg/Kg dry	4		SW-846 8082A	7/19/23	7/21/23 13:36	SFM
Aroclor-1242 [1]	ND	0.096	0.029	mg/Kg dry	4		SW-846 8082A	7/19/23	7/21/23 13:36	SFM
Aroclor-1248 [1]	ND	0.096	0.024	mg/Kg dry	4		SW-846 8082A	7/19/23	7/21/23 13:36	SFM
Aroclor-1254 [1]	ND	0.096	0.029	mg/Kg dry	4		SW-846 8082A	7/19/23	7/21/23 13:36	SFM
Aroclor-1260 [1]	ND	0.096	0.026	mg/Kg dry	4		SW-846 8082A	7/19/23	7/21/23 13:36	SFM
Aroclor-1262 [1]	ND	0.096	0.029	mg/Kg dry	4		SW-846 8082A	7/19/23	7/21/23 13:36	SFM
Aroclor-1268 [1]	ND	0.096	0.032	mg/Kg dry	4		SW-846 8082A	7/19/23	7/21/23 13:36	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	95.8	30-150		7/21/23 13:36
Decachlorobiphenyl [2]	92.6	30-150		7/21/23 13:36
Tetrachloro-m-xylene [1]	93.7	30-150		7/21/23 13:36
Tetrachloro-m-xylene [2]	96.0	30-150		7/21/23 13:36

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Project Location: 250 Water St., Manhattan, NY Sample Description: Work Order: 23G1746

Date Received: 7/13/2023

Field Sample #: 250WATERST-SB101-SS(8-10) Sampled: 7/12/2023 08:00

Sample ID: 23G1746-02

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	3900	21	15	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:44	HNN
Antimony	ND	2.1	0.44	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:44	HNN
Arsenic	1.4	4.2	0.71	mg/Kg dry	1	J	SW-846 6010D	7/19/23	7/24/23 18:44	HNN
Barium	47	2.1	0.32	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:44	HNN
Beryllium	0.30	0.21	0.063	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:44	HNN
Cadmium	ND	0.42	0.14	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:44	HNN
Calcium	1500	21	3.8	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:44	HNN
Chromium	9.7	0.85	0.31	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:44	HNN
Cobalt	4.6	2.1	0.31	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:44	HNN
Copper	16	0.85	0.19	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:44	HNN
Iron	8200	21	14	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:44	HNN
Lead	4.8	0.63	0.35	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:44	HNN
Magnesium	2800	21	3.3	mg/Kg dry	1		SW-846 6010D	7/19/23	7/29/23 20:05	MJH
Manganese	340	0.42	0.23	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:44	HNN
Mercury	0.038	0.032	0.014	mg/Kg dry	1		SW-846 7471B	7/26/23	7/27/23 13:38	AAJ
Nickel	36	0.85	0.34	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:44	HNN
Potassium	1100	210	39	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:44	HNN
Selenium	ND	4.2	0.90	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:44	HNN
Silver	ND	0.42	0.14	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:44	HNN
Sodium	140	210	38	mg/Kg dry	1	J	SW-846 6010D	7/19/23	7/24/23 18:44	HNN
Thallium	ND	2.1	0.74	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:44	HNN
Vanadium	11	0.85	0.27	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:44	HNN
Zinc	19	0.85	0.29	mg/Kg dry	1		SW-846 6010D	7/19/23	7/29/23 20:05	MJH

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Project Location: 250 Water St., Manhattan, NY Sample Description: Work Order: 23G1746

Date Received: 7/13/2023

Field Sample #: 250WATERST-SB101-SS(8-10) Sampled: 7/12/2023 08:00

Sample ID: 23G1746-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	77.3			% Wt	1		SM 2540G	7/14/23	7/14/23 8:22	ATP
Cyanide	ND	0.54	0.39	mg/Kg dry	1		SW-846 9014	7/18/23	7/20/23 5:54	MMH

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Project Location: 250 Water St., Manhattan, NY Sample Description: Work Order: 23G1746

Date Received: 7/13/2023

Field Sample #: 250WATERST-SB105-SS(2-4) Sampled: 7/12/2023 09:25

Sample ID: 23G1746-03

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.011	0.12	0.011	mg/Kg dry	1	J	SW-846 8260D	7/14/23	7/14/23 8:52	MFF
Benzene	ND	0.0023	0.00068	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:52	MFF
Bromochloromethane	ND	0.0023	0.00091	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:52	MFF
Bromodichloromethane	ND	0.0023	0.00061	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:52	MFF
Bromoform	ND	0.0023	0.00071	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:52	MFF
Bromomethane	ND	0.012	0.0020	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:52	MFF
2-Butanone (MEK)	ND	0.047	0.0073	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:52	MFF
Carbon Disulfide	ND	0.047	0.0093	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:52	MFF
Carbon Tetrachloride	ND	0.0023	0.00092	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:52	MFF
Chlorobenzene	ND	0.0023	0.00065	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:52	MFF
Chlorodibromomethane	ND	0.0012	0.00074	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:52	MFF
Chloroethane	ND	0.023	0.0013	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:52	MFF
Chloroform	ND	0.0047	0.00073	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:52	MFF
Chloromethane	ND	0.012	0.0012	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:52	MFF
Cyclohexane	ND	0.012	0.0047	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:52	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0023	0.00092	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:52	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	0.00089	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:52	MFF
1,2-Dichlorobenzene	ND	0.0023	0.00062	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:52	MFF
1,3-Dichlorobenzene	ND	0.0023	0.00064	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:52	MFF
1,4-Dichlorobenzene	ND	0.0023	0.00070	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:52	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.023	0.0012	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:52	MFF
1,1-Dichloroethane	ND	0.0023	0.00080	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:52	MFF
1,2-Dichloroethane	ND	0.0023	0.00078	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:52	MFF
1,1-Dichloroethylene	ND	0.0047	0.00095	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:52	MFF
cis-1,2-Dichloroethylene	ND	0.0023	0.00074	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:52	MFF
trans-1,2-Dichloroethylene	ND	0.0023	0.00085	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:52	MFF
1,2-Dichloropropane	ND	0.0023	0.00072	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:52	MFF
cis-1,3-Dichloropropene	ND	0.0012	0.00065	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:52	MFF
trans-1,3-Dichloropropene	ND	0.0012	0.00071	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:52	MFF
1,4-Dioxane	ND	0.12	0.053	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:52	MFF
Ethylbenzene	ND	0.0023	0.00069	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:52	MFF
2-Hexanone (MBK)	ND	0.023	0.0058	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:52	MFF
Isopropylbenzene (Cumene)	ND	0.0023	0.00072	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:52	MFF
Methyl Acetate	ND	0.0023	0.0017	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:52	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0047	0.00078	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:52	MFF
Methyl Cyclohexane	ND	0.0047	0.00090	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:52	MFF
Methylene Chloride	0.0013	0.023	0.0011	mg/Kg dry	1	J	SW-846 8260D	7/14/23	7/14/23 8:52	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.023	0.0051	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:52	MFF
Styrene	ND	0.0023	0.00057	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:52	MFF
1,1,2,2-Tetrachloroethane	ND	0.0012	0.00064	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:52	MFF
Tetrachloroethylene	ND	0.0023	0.00098	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:52	MFF
Toluene	ND	0.0023	0.00079	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:52	MFF
1,2,3-Trichlorobenzene	ND	0.0023	0.00066	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:52	MFF
1,2,4-Trichlorobenzene	ND	0.0023	0.00070	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:52	MFF

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Project Location: 250 Water St., Manhattan, NY Sample Description: Work Order: 23G1746

Date Received: 7/13/2023

Field Sample #: 250WATERST-SB105-SS(2-4) Sampled: 7/12/2023 09:25

Sample ID: 23G1746-03

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	0.0023	0.00089	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:52	MFF
1,1,2-Trichloroethane	ND	0.0023	0.00062	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:52	MFF
Trichloroethylene	ND	0.0023	0.00094	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:52	MFF
Trichlorofluoromethane (Freon 11)	ND	0.012	0.00087	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:52	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.012	0.0010	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:52	MFF
Vinyl Chloride	ND	0.012	0.00086	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:52	MFF
Xylenes (total)	ND	0.0023	0.0023	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 8:52	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	110	70-130		7/14/23 8:52
Toluene-d8	100	70-130		7/14/23 8:52
4-Bromofluorobenzene	98.9	70-130		7/14/23 8:52

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Project Location: 250 Water St., Manhattan, NY Sample Description: Work Order: 23G1746

Date Received: 7/13/2023

Field Sample #: 250WATERST-SB105-SS(2-4) Sampled: 7/12/2023 09:25

Sample ID: 23G1746-03

Sample Matrix: Soil

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	mg/Kg dry			1			SW-846 8260D	7/14/23	7/14/23 8:52	MFF

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Project Location: 250 Water St., Manhattan, NY Sample Description: Work Order: 23G1746

Date Received: 7/13/2023

Field Sample #: 250WATERST-SB105-SS(2-4) Sampled: 7/12/2023 09:25

Sample ID: 23G1746-03

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	0.74	0.052	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:37	AR2
Benzaldehyde	ND	0.38	0.036	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:37	AR2
Biphenyl	ND	0.74	0.059	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:37	AR2
Caprolactam	ND	0.38	0.054	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:37	AR2
Acenaphthene	0.54	0.19	0.072	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:37	AR2
Acenaphthylene	0.46	0.19	0.074	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:37	AR2
Acetophenone	ND	0.38	0.074	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:37	AR2
Anthracene	1.5	0.19	0.073	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:37	AR2
Benzo(a)anthracene	5.8	0.94	0.34	mg/Kg dry	5		SW-846 8270E	7/26/23	7/29/23 15:29	AR2
Benzo(a)pyrene	5.7	0.94	0.31	mg/Kg dry	5		SW-846 8270E	7/26/23	7/29/23 15:29	AR2
Benzo(b)fluoranthene	7.8	0.94	0.32	mg/Kg dry	5		SW-846 8270E	7/26/23	7/29/23 15:29	AR2
Benzo(g,h,i)perylene	3.2	0.19	0.079	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:37	AR2
Benzo(k)fluoranthene	2.5	0.19	0.068	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:37	AR2
Bis(2-chloroethoxy)methane	ND	0.38	0.074	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:37	AR2
Bis(2-chloroethyl)ether	ND	0.38	0.079	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:37	AR2
Bis(2-chloroisopropyl)ether	ND	0.38	0.16	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:37	AR2
Bis(2-Ethylhexyl)phthalate	ND	0.38	0.077	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:37	AR2
4-Bromophenylphenylether	ND	0.38	0.078	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:37	AR2
Butylbenzylphthalate	ND	0.38	0.071	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:37	AR2
Carbazole	0.64	0.19	0.073	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:37	AR2
4-Chloroaniline	ND	0.73	0.067	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:37	AR2
4-Chloro-3-methylphenol	ND	0.73	0.074	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:37	AR2
2-Chloronaphthalene	ND	0.38	0.067	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:37	AR2
2-Chlorophenol	ND	0.38	0.076	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:37	AR2
4-Chlorophenylphenylether	ND	0.38	0.073	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:37	AR2
Chrysene	5.6	0.94	0.34	mg/Kg dry	5		SW-846 8270E	7/26/23	7/29/23 15:29	AR2
Dibenz(a,h)anthracene	0.86	0.19	0.073	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:37	AR2
Dibenzofuran	0.30	0.38	0.074	mg/Kg dry	1	J	SW-846 8270E	7/26/23	7/27/23 18:37	AR2
Di-n-butylphthalate	ND	0.38	0.069	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:37	AR2
3,3-Dichlorobenzidine	ND	0.19	0.050	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:37	AR2
2,4-Dichlorophenol	ND	0.38	0.073	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:37	AR2
Diethylphthalate	ND	0.38	0.073	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:37	AR2
2,4-Dimethylphenol	ND	0.38	0.098	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:37	AR2
Dimethylphthalate	ND	0.38	0.077	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:37	AR2
4,6-Dinitro-2-methylphenol	ND	0.38	0.31	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:37	AR2
2,4-Dinitrophenol	ND	0.73	0.33	mg/Kg dry	1	V-05	SW-846 8270E	7/26/23	7/27/23 18:37	AR2
2,4-Dinitrotoluene	ND	0.38	0.075	mg/Kg dry	1	V-06	SW-846 8270E	7/26/23	7/27/23 18:37	AR2
2,6-Dinitrotoluene	ND	0.38	0.085	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:37	AR2
Di-n-octylphthalate	ND	0.38	0.075	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:37	AR2
Fluoranthene	12	0.94	0.34	mg/Kg dry	5		SW-846 8270E	7/26/23	7/29/23 15:29	AR2
Fluorene	0.48	0.19	0.073	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:37	AR2
Hexachlorobenzene	ND	0.38	0.078	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:37	AR2
Hexachlorobutadiene	ND	0.38	0.076	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:37	AR2
Hexachlorocyclopentadiene	ND	0.38	0.24	mg/Kg dry	1	V-05	SW-846 8270E	7/26/23	7/27/23 18:37	AR2

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Project Location: 250 Water St., Manhattan, NY Sample Description: Work Order: 23G1746

Date Received: 7/13/2023

Field Sample #: 250WATERST-SB105-SS(2-4) Sampled: 7/12/2023 09:25

Sample ID: 23G1746-03

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	0.38	0.074	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:37	AR2
Indeno(1,2,3-cd)pyrene	3.2	0.19	0.082	mg/Kg dry	1	V-06	SW-846 8270E	7/26/23	7/27/23 18:37	AR2
Isophorone	ND	0.38	0.077	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:37	AR2
2-Methylnaphthalene	0.18	0.19	0.074	mg/Kg dry	1	J	SW-846 8270E	7/26/23	7/27/23 18:37	AR2
2-Methylphenol	ND	0.38	0.075	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:37	AR2
3/4-Methylphenol	ND	0.38	0.082	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:37	AR2
Naphthalene	0.36	0.19	0.075	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:37	AR2
2-Nitroaniline	ND	0.38	0.075	mg/Kg dry	1	V-06	SW-846 8270E	7/26/23	7/27/23 18:37	AR2
3-Nitroaniline	ND	0.38	0.089	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:37	AR2
4-Nitroaniline	ND	0.38	0.064	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:37	AR2
Nitrobenzene	ND	0.38	0.081	mg/Kg dry	1	V-06	SW-846 8270E	7/26/23	7/27/23 18:37	AR2
2-Nitrophenol	ND	0.38	0.078	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:37	AR2
4-Nitrophenol	ND	0.73	0.16	mg/Kg dry	1	V-06	SW-846 8270E	7/26/23	7/27/23 18:37	AR2
N-Nitrosodiphenylamine/Diphenylamine	ND	0.38	0.076	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:37	AR2
N-Nitrosodi-n-propylamine	ND	0.38	0.082	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:37	AR2
Pentachlorophenol	ND	0.38	0.17	mg/Kg dry	1	V-05	SW-846 8270E	7/26/23	7/27/23 18:37	AR2
Phenanthrene	8.2	0.94	0.37	mg/Kg dry	5		SW-846 8270E	7/26/23	7/29/23 15:29	AR2
Phenol	ND	0.38	0.088	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:37	AR2
Pyrene	9.8	0.94	0.38	mg/Kg dry	5		SW-846 8270E	7/26/23	7/29/23 15:29	AR2
1,2,4,5-Tetrachlorobenzene	ND	0.38	0.077	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:37	AR2
2,4,5-Trichlorophenol	ND	0.38	0.073	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:37	AR2
2,4,6-Trichlorophenol	ND	0.38	0.072	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 18:37	AR2

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	68.0	30-130		7/27/23 18:37
2-Fluorophenol	82.1	30-130		7/29/23 15:29
Phenol-d6	77.9	30-130		7/27/23 18:37
Phenol-d6	91.2	30-130		7/29/23 15:29
Nitrobenzene-d5	87.5	30-130		7/27/23 18:37
Nitrobenzene-d5	105	30-130		7/29/23 15:29
2-Fluorobiphenyl	79.6	30-130		7/27/23 18:37
2-Fluorobiphenyl	104	30-130		7/29/23 15:29
2,4,6-Tribromophenol	62.0	30-130		7/27/23 18:37
2,4,6-Tribromophenol	69.1	30-130		7/29/23 15:29
p-Terphenyl-d14	92.1	30-130		7/27/23 18:37
p-Terphenyl-d14	86.6	30-130		7/29/23 15:29

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Project Location: 250 Water St., Manhattan, NY Sample Description: Work Order: 23G1746

Date Received: 7/13/2023

Field Sample #: 250WATERST-SB105-SS(2-4) Sampled: 7/12/2023 09:25

Sample ID: 23G1746-03

Sample Matrix: Soil

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.054	0.022	mg/Kg dry	1		SW-846 8270E	7/19/23	7/26/23 10:15	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,4-Dioxane-d8	50.7	15-110		7/26/23 10:15

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Project Location: 250 Water St., Manhattan, NY Sample Description: Work Order: 23G1746

Date Received: 7/13/2023

Field Sample #: 250WATERST-SB105-SS(2-4) Sampled: 7/12/2023 09:25

Sample ID: 23G1746-03

Sample Matrix: Soil

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
11H-Benzo[a]fluoren-11-one	0.22	mg/Kg dry	545406	8.099	1	000479-79-8	95	SW-846 8270E	7/26/23	7/27/23 18:37	AR2
11H-Benzo[b]fluorene	0.25	mg/Kg dry	606324	7.373	1	000243-17-4	91	SW-846 8270E	7/26/23	7/27/23 18:37	AR2
2-Pentanone, 4-hydroxy-4-me...	0.51	mg/Kg dry	144232	2.485	1	000123-42-2	64	SW-846 8270E	7/26/23	7/27/23 18:37	AR2
3-Penten-2-one, 4-methyl-	1.8	mg/Kg dry	512569	2.265	1	000141-79-7	91	SW-846 8270E	7/26/23	7/27/23 18:37	AR2
7H-Benz[de]anthracen-7-one	0.18	mg/Kg dry	449410	8.391	1	000082-05-3	91	SW-846 8270E	7/26/23	7/27/23 18:37	AR2
Benz[e]acephenanthrylene	1.3	mg/Kg dry	281976	10.695	1	000205-99-2	91	SW-846 8270E	7/26/23	7/27/23 18:37	AR2
Benzo[e]pyrene	4.6	mg/Kg dry	979597	11.039	1	000192-97-2	98	SW-846 8270E	7/26/23	7/27/23 18:37	AR2
Dibenzofuran, 4-methyl-	0.20	mg/Kg dry	83618	5.569	1	007320-53-8	91	SW-846 8270E	7/26/23	7/27/23 18:37	AR2
Furan, 2,5-dimethyl-	0.64	mg/Kg dry	179748	1.774	1	000625-86-5	91	SW-846 8270E	7/26/23	7/27/23 18:37	AR2
Heptane, 2,3-dimethyl-	0.25	mg/Kg dry	70450	2.554	1	003074-71-3	81	SW-846 8270E	7/26/23	7/27/23 18:37	AR2
Naphthalene, 2,7-dimethyl-	0.25	mg/Kg dry	102456	4.917	1	000582-16-1	97	SW-846 8270E	7/26/23	7/27/23 18:37	AR2
Perylene	1.7	mg/Kg dry	359947	11.316	1	000198-55-0	89	SW-846 8270E	7/26/23	7/27/23 18:37	AR2
Phenanthrene, 1-methyl-	0.22	mg/Kg dry	567085	6.394	1	000832-69-9	96	SW-846 8270E	7/26/23	7/27/23 18:37	AR2
Phenanthrene, 2-methyl-	0.23	mg/Kg dry	597654	6.413	1	002531-84-2	93	SW-846 8270E	7/26/23	7/27/23 18:37	AR2
Pyrene, 2-methyl-	0.24	mg/Kg dry	581227	7.602	1	003442-78-2	93	SW-846 8270E	7/26/23	7/27/23 18:37	AR2
Tentatively Identified Compounds	0.0	mg/Kg dry			1	NA		SW-846 8270E	7/26/23	7/27/23 18:37	AR2

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Project Location: 250 Water St., Manhattan, NY Sample Description: Work Order: 23G1746

Date Received: 7/13/2023

Field Sample #: 250WATERST-SB105-SS(2-4) Sampled: 7/12/2023 09:25

Sample ID: 23G1746-03

Sample Matrix: Soil

Sample Flags: DL-03

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [1]	ND	0.42	0.12	mg/Kg dry	20		SW-846 8081B	7/19/23	7/21/23 22:31	TG
Aldrin [1]	ND	0.10	0.010	mg/Kg dry	20		SW-846 8081B	7/19/23	7/21/23 22:31	TG
alpha-BHC [1]	ND	0.10	0.057	mg/Kg dry	20		SW-846 8081B	7/19/23	7/21/23 22:31	TG
beta-BHC [1]	ND	0.10	0.047	mg/Kg dry	20		SW-846 8081B	7/19/23	7/21/23 22:31	TG
delta-BHC [1]	ND	0.10	0.069	mg/Kg dry	20		SW-846 8081B	7/19/23	7/21/23 22:31	TG
gamma-BHC (Lindane) [1]	ND	0.042	0.0089	mg/Kg dry	20		SW-846 8081B	7/19/23	7/21/23 22:31	TG
Chlordane [1]	ND	0.42	0.15	mg/Kg dry	20		SW-846 8081B	7/19/23	7/21/23 22:31	TG
4,4'-DDD [1]	0.035	0.084	0.0093	mg/Kg dry	20	J	SW-846 8081B	7/19/23	7/21/23 22:31	TG
4,4'-DDE [2]	0.090	0.084	0.0079	mg/Kg dry	20		SW-846 8081B	7/19/23	7/21/23 22:31	TG
4,4'-DDT [1]	0.097	0.084	0.0089	mg/Kg dry	20	P-04	SW-846 8081B	7/19/23	7/21/23 22:31	TG
Dieldrin [1]	ND	0.084	0.0081	mg/Kg dry	20		SW-846 8081B	7/19/23	7/21/23 22:31	TG
Endosulfan I [1]	ND	0.10	0.051	mg/Kg dry	20		SW-846 8081B	7/19/23	7/21/23 22:31	TG
Endosulfan II [1]	ND	0.17	0.051	mg/Kg dry	20		SW-846 8081B	7/19/23	7/21/23 22:31	TG
Endosulfan sulfate [1]	ND	0.17	0.052	mg/Kg dry	20		SW-846 8081B	7/19/23	7/21/23 22:31	TG
Endrin [1]	ND	0.17	0.052	mg/Kg dry	20		SW-846 8081B	7/19/23	7/21/23 22:31	TG
Endrin aldehyde [1]	ND	0.17	0.10	mg/Kg dry	20		SW-846 8081B	7/19/23	7/22/23 3:55	TG
Endrin ketone [1]	ND	0.17	0.048	mg/Kg dry	20		SW-846 8081B	7/19/23	7/21/23 22:31	TG
Heptachlor [1]	ND	0.10	0.010	mg/Kg dry	20		SW-846 8081B	7/19/23	7/21/23 22:31	TG
Heptachlor epoxide [1]	ND	0.10	0.0094	mg/Kg dry	20		SW-846 8081B	7/19/23	7/21/23 22:31	TG
Hexachlorobenzene [1]	ND	0.13	0.070	mg/Kg dry	20		SW-846 8081B	7/19/23	7/21/23 22:31	TG
Methoxychlor [1]	ND	1.0	0.13	mg/Kg dry	20		SW-846 8081B	7/19/23	7/21/23 22:31	TG
Toxaphene [1]	ND	2.1	1.0	mg/Kg dry	20		SW-846 8081B	7/19/23	7/21/23 22:31	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	108	30-150		7/21/23 22:31
Decachlorobiphenyl [2]	99.2	30-150		7/21/23 22:31
Tetrachloro-m-xylene [1]	105	30-150		7/21/23 22:31
Tetrachloro-m-xylene [2]	99.8	30-150		7/21/23 22:31

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Project Location: 250 Water St., Manhattan, NY Sample Description: Work Order: 23G1746

Date Received: 7/13/2023

Field Sample #: 250WATERST-SB105-SS(2-4) Sampled: 7/12/2023 09:25

Sample ID: 23G1746-03

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.084	0.022	mg/Kg dry	4		SW-846 8082A	7/19/23	7/21/23 13:53	SFM
Aroclor-1221 [1]	ND	0.084	0.045	mg/Kg dry	4		SW-846 8082A	7/19/23	7/21/23 13:53	SFM
Aroclor-1232 [1]	ND	0.084	0.027	mg/Kg dry	4		SW-846 8082A	7/19/23	7/21/23 13:53	SFM
Aroclor-1242 [1]	ND	0.084	0.025	mg/Kg dry	4		SW-846 8082A	7/19/23	7/21/23 13:53	SFM
Aroclor-1248 [1]	ND	0.084	0.021	mg/Kg dry	4		SW-846 8082A	7/19/23	7/21/23 13:53	SFM
Aroclor-1254 [1]	ND	0.084	0.025	mg/Kg dry	4		SW-846 8082A	7/19/23	7/21/23 13:53	SFM
Aroclor-1260 [1]	0.027	0.084	0.022	mg/Kg dry	4	J	SW-846 8082A	7/19/23	7/21/23 13:53	SFM
Aroclor-1262 [1]	ND	0.084	0.025	mg/Kg dry	4		SW-846 8082A	7/19/23	7/21/23 13:53	SFM
Aroclor-1268 [1]	ND	0.084	0.028	mg/Kg dry	4		SW-846 8082A	7/19/23	7/21/23 13:53	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	91.8	30-150		7/21/23 13:53
Decachlorobiphenyl [2]	98.0	30-150		7/21/23 13:53
Tetrachloro-m-xylene [1]	91.9	30-150		7/21/23 13:53
Tetrachloro-m-xylene [2]	93.6	30-150		7/21/23 13:53

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Project Location: 250 Water St., Manhattan, NY Sample Description: Work Order: 23G1746

Date Received: 7/13/2023

Field Sample #: 250WATERST-SB105-SS(2-4) Sampled: 7/12/2023 09:25

Sample ID: 23G1746-03

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	5700	18	13	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:50	HNN
Antimony	2.6	1.8	0.37	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:50	HNN
Arsenic	7.1	3.6	0.61	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:50	HNN
Barium	390	1.8	0.28	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:50	HNN
Beryllium	1.7	0.18	0.053	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:50	HNN
Cadmium	0.49	0.36	0.12	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:50	HNN
Calcium	42000	180	32	mg/Kg dry	10		SW-846 6010D	7/19/23	7/29/23 21:41	MJH
Chromium	19	0.72	0.27	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:50	HNN
Cobalt	11	1.8	0.26	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:50	HNN
Copper	210	0.72	0.16	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:50	HNN
Iron	12000	18	12	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:50	HNN
Lead	1100	0.54	0.30	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:50	HNN
Magnesium	3400	18	2.8	mg/Kg dry	1		SW-846 6010D	7/19/23	7/29/23 20:12	MJH
Manganese	300	0.36	0.19	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:50	HNN
Mercury	1.4	0.055	0.024	mg/Kg dry	2		SW-846 7471B	7/26/23	7/27/23 15:03	AAJ
Nickel	40	0.72	0.29	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:50	HNN
Potassium	990	180	33	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:50	HNN
Selenium	ND	3.6	0.77	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:50	HNN
Silver	0.17	0.36	0.12	mg/Kg dry	1	J	SW-846 6010D	7/19/23	7/24/23 18:50	HNN
Sodium	470	180	32	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:50	HNN
Thallium	ND	1.8	0.63	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:50	HNN
Vanadium	23	0.72	0.23	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:50	HNN
Zinc	1100	0.72	0.25	mg/Kg dry	1		SW-846 6010D	7/19/23	7/29/23 20:12	MJH

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Project Location: 250 Water St., Manhattan, NY Sample Description: Work Order: 23G1746

Date Received: 7/13/2023

Field Sample #: 250WATERST-SB105-SS(2-4) Sampled: 7/12/2023 09:25

Sample ID: 23G1746-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.1			% Wt	1		SM 2540G	7/14/23	7/14/23 8:22	ATP
Cyanide	2.3	0.54	0.39	mg/Kg dry	1		SW-846 9014	7/18/23	7/20/23 5:54	MMH

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Project Location: 250 Water St., Manhattan, NY Sample Description: Work Order: 23G1746

Date Received: 7/13/2023

Field Sample #: 250WATERST-SB105-SS(13-15) Sampled: 7/12/2023 10:15

Sample ID: 23G1746-04

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.022	0.11	0.0098	mg/Kg dry	1	J	SW-846 8260D	7/14/23	7/14/23 9:18	MFF
Benzene	ND	0.0022	0.00063	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 9:18	MFF
Bromochloromethane	ND	0.0022	0.00085	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 9:18	MFF
Bromodichloromethane	ND	0.0022	0.00057	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 9:18	MFF
Bromoform	ND	0.0022	0.00066	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 9:18	MFF
Bromomethane	ND	0.011	0.0019	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 9:18	MFF
2-Butanone (MEK)	ND	0.043	0.0068	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 9:18	MFF
Carbon Disulfide	0.0087	0.043	0.0087	mg/Kg dry	1	J	SW-846 8260D	7/14/23	7/14/23 9:18	MFF
Carbon Tetrachloride	ND	0.0022	0.00085	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 9:18	MFF
Chlorobenzene	ND	0.0022	0.00061	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 9:18	MFF
Chlorodibromomethane	ND	0.0011	0.00069	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 9:18	MFF
Chloroethane	ND	0.022	0.0012	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 9:18	MFF
Chloroform	ND	0.0043	0.00068	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 9:18	MFF
Chloromethane	ND	0.011	0.0011	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 9:18	MFF
Cyclohexane	ND	0.011	0.0044	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 9:18	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0022	0.00086	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 9:18	MFF
1,2-Dibromoethane (EDB)	ND	0.0011	0.00083	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 9:18	MFF
1,2-Dichlorobenzene	ND	0.0022	0.00058	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 9:18	MFF
1,3-Dichlorobenzene	ND	0.0022	0.00060	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 9:18	MFF
1,4-Dichlorobenzene	ND	0.0022	0.00066	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 9:18	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.022	0.0011	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 9:18	MFF
1,1-Dichloroethane	ND	0.0022	0.00075	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 9:18	MFF
1,2-Dichloroethane	ND	0.0022	0.00073	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 9:18	MFF
1,1-Dichloroethylene	ND	0.0043	0.00089	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 9:18	MFF
cis-1,2-Dichloroethylene	ND	0.0022	0.00069	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 9:18	MFF
trans-1,2-Dichloroethylene	ND	0.0022	0.00079	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 9:18	MFF
1,2-Dichloropropane	ND	0.0022	0.00067	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 9:18	MFF
cis-1,3-Dichloropropene	ND	0.0011	0.00061	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 9:18	MFF
trans-1,3-Dichloropropene	ND	0.0011	0.00066	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 9:18	MFF
1,4-Dioxane	ND	0.11	0.049	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 9:18	MFF
Ethylbenzene	ND	0.0022	0.00065	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 9:18	MFF
2-Hexanone (MBK)	ND	0.022	0.0055	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 9:18	MFF
Isopropylbenzene (Cumene)	ND	0.0022	0.00068	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 9:18	MFF
Methyl Acetate	ND	0.0022	0.0016	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 9:18	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0043	0.00073	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 9:18	MFF
Methyl Cyclohexane	ND	0.0043	0.00084	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 9:18	MFF
Methylene Chloride	ND	0.022	0.0010	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 9:18	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.022	0.0048	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 9:18	MFF
Styrene	ND	0.0022	0.00054	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 9:18	MFF
1,1,2,2-Tetrachloroethane	ND	0.0011	0.00060	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 9:18	MFF
Tetrachloroethylene	ND	0.0022	0.00091	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 9:18	MFF
Toluene	ND	0.0022	0.00074	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 9:18	MFF
1,2,3-Trichlorobenzene	ND	0.0022	0.00061	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 9:18	MFF
1,2,4-Trichlorobenzene	ND	0.0022	0.00066	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 9:18	MFF

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Project Location: 250 Water St., Manhattan, NY Sample Description: Work Order: 23G1746

Date Received: 7/13/2023

Field Sample #: 250WATERST-SB105-SS(13-15) Sampled: 7/12/2023 10:15

Sample ID: 23G1746-04

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	0.0022	0.00083	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 9:18	MFF
1,1,2-Trichloroethane	ND	0.0022	0.00058	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 9:18	MFF
Trichloroethylene	ND	0.0022	0.00087	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 9:18	MFF
Trichlorofluoromethane (Freon 11)	ND	0.011	0.00081	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 9:18	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.011	0.00093	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 9:18	MFF
Vinyl Chloride	ND	0.011	0.00080	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 9:18	MFF
Xylenes (total)	ND	0.0022	0.0022	mg/Kg dry	1		SW-846 8260D	7/14/23	7/14/23 9:18	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	113	70-130		7/14/23 9:18
Toluene-d8	99.6	70-130		7/14/23 9:18
4-Bromofluorobenzene	97.9	70-130		7/14/23 9:18

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Project Location: 250 Water St., Manhattan, NY Sample Description: Work Order: 23G1746

Date Received: 7/13/2023

Field Sample #: 250WATERST-SB105-SS(13-15) Sampled: 7/12/2023 10:15

Sample ID: 23G1746-04

Sample Matrix: Soil

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
3-Butenoic acid	0.0067	mg/Kg dry	494962	1.216	1	000625-38-7	74	SW-846 8260D	7/14/23	7/14/23 9:18	MFF
No TICs Found	0.0	mg/Kg dry			1			SW-846 8260D	7/14/23	7/14/23 9:18	MFF

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Project Location: 250 Water St., Manhattan, NY Sample Description: Work Order: 23G1746

Date Received: 7/13/2023

Field Sample #: 250WATERST-SB105-SS(13-15) Sampled: 7/12/2023 10:15

Sample ID: 23G1746-04

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	0.82	0.057	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 19:02	AR2
Benzaldehyde	ND	0.41	0.040	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 19:02	AR2
Biphenyl	ND	0.82	0.065	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 19:02	AR2
Caprolactam	ND	0.41	0.059	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 19:02	AR2
Acenaphthene	ND	0.21	0.079	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 19:02	AR2
Acenaphthylene	ND	0.21	0.081	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 19:02	AR2
Acetophenone	ND	0.41	0.081	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 19:02	AR2
Anthracene	ND	0.21	0.080	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 19:02	AR2
Benzo(a)anthracene	ND	0.21	0.074	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 19:02	AR2
Benzo(a)pyrene	ND	0.21	0.068	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 19:02	AR2
Benzo(b)fluoranthene	ND	0.21	0.070	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 19:02	AR2
Benzo(g,h,i)perylene	ND	0.21	0.086	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 19:02	AR2
Benzo(k)fluoranthene	ND	0.21	0.074	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 19:02	AR2
Bis(2-chloroethoxy)methane	ND	0.41	0.081	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 19:02	AR2
Bis(2-chloroethyl)ether	ND	0.41	0.087	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 19:02	AR2
Bis(2-chloroisopropyl)ether	ND	0.41	0.17	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 19:02	AR2
Bis(2-Ethylhexyl)phthalate	ND	0.41	0.084	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 19:02	AR2
4-Bromophenylphenylether	ND	0.41	0.085	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 19:02	AR2
Butylbenzylphthalate	ND	0.41	0.078	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 19:02	AR2
Carbazole	ND	0.21	0.080	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 19:02	AR2
4-Chloroaniline	ND	0.80	0.073	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 19:02	AR2
4-Chloro-3-methylphenol	ND	0.80	0.082	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 19:02	AR2
2-Chloronaphthalene	ND	0.41	0.073	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 19:02	AR2
2-Chlorophenol	ND	0.41	0.083	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 19:02	AR2
4-Chlorophenylphenylether	ND	0.41	0.080	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 19:02	AR2
Chrysene	ND	0.21	0.075	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 19:02	AR2
Dibenz(a,h)anthracene	ND	0.21	0.080	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 19:02	AR2
Dibenzofuran	ND	0.41	0.081	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 19:02	AR2
Di-n-butylphthalate	ND	0.41	0.075	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 19:02	AR2
3,3-Dichlorobenzidine	ND	0.21	0.054	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 19:02	AR2
2,4-Dichlorophenol	ND	0.41	0.080	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 19:02	AR2
Diethylphthalate	ND	0.41	0.080	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 19:02	AR2
2,4-Dimethylphenol	ND	0.41	0.11	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 19:02	AR2
Dimethylphthalate	ND	0.41	0.085	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 19:02	AR2
4,6-Dinitro-2-methylphenol	ND	0.41	0.34	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 19:02	AR2
2,4-Dinitrophenol	ND	0.80	0.36	mg/Kg dry	1	V-05	SW-846 8270E	7/26/23	7/27/23 19:02	AR2
2,4-Dinitrotoluene	ND	0.41	0.082	mg/Kg dry	1	V-06	SW-846 8270E	7/26/23	7/27/23 19:02	AR2
2,6-Dinitrotoluene	ND	0.41	0.093	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 19:02	AR2
Di-n-octylphthalate	ND	0.41	0.082	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 19:02	AR2
Fluoranthene	ND	0.21	0.074	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 19:02	AR2
Fluorene	ND	0.21	0.080	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 19:02	AR2
Hexachlorobenzene	ND	0.41	0.086	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 19:02	AR2
Hexachlorobutadiene	ND	0.41	0.083	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 19:02	AR2
Hexachlorocyclopentadiene	ND	0.41	0.27	mg/Kg dry	1	V-05	SW-846 8270E	7/26/23	7/27/23 19:02	AR2

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water St., Manhattan, NY Sample Description: Work Order: 23G1746

Date Received: 7/13/2023

Field Sample #: 250WATERST-SB105-SS(13-15) Sampled: 7/12/2023 10:15

Sample ID: 23G1746-04

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	0.41	0.081	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 19:02	AR2
Indeno(1,2,3-cd)pyrene	ND	0.21	0.090	mg/Kg dry	1	V-06	SW-846 8270E	7/26/23	7/27/23 19:02	AR2
Isophorone	ND	0.41	0.084	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 19:02	AR2
2-Methylnaphthalene	ND	0.21	0.081	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 19:02	AR2
2-Methylphenol	ND	0.41	0.082	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 19:02	AR2
3/4-Methylphenol	ND	0.41	0.090	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 19:02	AR2
Naphthalene	ND	0.21	0.083	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 19:02	AR2
2-Nitroaniline	ND	0.41	0.082	mg/Kg dry	1	V-06	SW-846 8270E	7/26/23	7/27/23 19:02	AR2
3-Nitroaniline	ND	0.41	0.097	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 19:02	AR2
4-Nitroaniline	ND	0.41	0.070	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 19:02	AR2
Nitrobenzene	ND	0.41	0.089	mg/Kg dry	1	V-06	SW-846 8270E	7/26/23	7/27/23 19:02	AR2
2-Nitrophenol	ND	0.41	0.085	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 19:02	AR2
4-Nitrophenol	ND	0.80	0.17	mg/Kg dry	1	V-06	SW-846 8270E	7/26/23	7/27/23 19:02	AR2
N-Nitrosodiphenylamine/Diphenylamine	ND	0.41	0.083	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 19:02	AR2
N-Nitrosodi-n-propylamine	ND	0.41	0.089	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 19:02	AR2
Pentachlorophenol	ND	0.41	0.19	mg/Kg dry	1	V-05	SW-846 8270E	7/26/23	7/27/23 19:02	AR2
Phenanthrene	ND	0.21	0.081	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 19:02	AR2
Phenol	ND	0.41	0.096	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 19:02	AR2
Pyrene	ND	0.21	0.083	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 19:02	AR2
1,2,4,5-Tetrachlorobenzene	ND	0.41	0.085	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 19:02	AR2
2,4,5-Trichlorophenol	ND	0.41	0.080	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 19:02	AR2
2,4,6-Trichlorophenol	ND	0.41	0.079	mg/Kg dry	1		SW-846 8270E	7/26/23	7/27/23 19:02	AR2

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	78.4	30-130		7/27/23 19:02
Phenol-d6	86.7	30-130		7/27/23 19:02
Nitrobenzene-d5	94.4	30-130		7/27/23 19:02
2-Fluorobiphenyl	91.1	30-130		7/27/23 19:02
2,4,6-Tribromophenol	65.2	30-130		7/27/23 19:02
p-Terphenyl-d14	101	30-130		7/27/23 19:02

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Project Location: 250 Water St., Manhattan, NY Sample Description: Work Order: 23G1746

Date Received: 7/13/2023

Field Sample #: 250WATERST-SB105-SS(13-15) Sampled: 7/12/2023 10:15

Sample ID: 23G1746-04

Sample Matrix: Soil

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.060	0.025	mg/Kg dry	1		SW-846 8270E	7/19/23	7/26/23 10:35	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,4-Dioxane-d8	60.5	15-110		7/26/23 10:35

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Project Location: 250 Water St., Manhattan, NY Sample Description: Work Order: 23G1746

Date Received: 7/13/2023

Field Sample #: 250WATERST-SB105-SS(13-15) Sampled: 7/12/2023 10:15

Sample ID: 23G1746-04

Sample Matrix: Soil

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
3-Penten-2-one, 4-methyl-	2.1	mg/Kg dry	603417	2.265	1	000141-79-7	94	SW-846 8270E	7/26/23	7/27/23 19:02	AR2
Furan, 2,5-dimethyl-	0.90	mg/Kg dry	256872	1.778	1	000625-86-5	95	SW-846 8270E	7/26/23	7/27/23 19:02	AR2
Heptane, 2,3-dimethyl-	0.23	mg/Kg dry	65730	2.557	1	003074-71-3	86	SW-846 8270E	7/26/23	7/27/23 19:02	AR2
Heptane, 3,5-dimethyl-	0.18	mg/Kg dry	52234	2.448	1	000926-82-9	87	SW-846 8270E	7/26/23	7/27/23 19:02	AR2
Phosphine imide, P,P,P-trip...	0.74	mg/Kg dry	310928	8.764	1	002240-47-3	87	SW-846 8270E	7/26/23	7/27/23 19:02	AR2
Tentatively Identified Compounds	0.0	mg/Kg dry			1	NA		SW-846 8270E	7/26/23	7/27/23 19:02	AR2

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water St., Manhattan, NY Sample Description: Work Order: 23G1746

Date Received: 7/13/2023

Field Sample #: 250WATERST-SB105-SS(13-15) Sampled: 7/12/2023 10:15

Sample ID: 23G1746-04

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	4600	20	14	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:57	HNN
Antimony	2.7	2.0	0.41	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:57	HNN
Arsenic	2.0	4.0	0.67	mg/Kg dry	1	J	SW-846 6010D	7/19/23	7/24/23 18:57	HNN
Barium	69	2.0	0.30	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:57	HNN
Beryllium	0.33	0.20	0.059	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:57	HNN
Cadmium	ND	0.40	0.13	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:57	HNN
Calcium	12000	20	3.6	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:57	HNN
Chromium	11	0.79	0.29	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:57	HNN
Cobalt	3.7	2.0	0.29	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:57	HNN
Copper	13	0.79	0.17	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:57	HNN
Iron	7400	20	13	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:57	HNN
Lead	32	0.60	0.33	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:57	HNN
Magnesium	2000	20	3.1	mg/Kg dry	1		SW-846 6010D	7/19/23	7/29/23 20:19	MJH
Manganese	180	0.40	0.21	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:57	HNN
Mercury	0.043	0.029	0.013	mg/Kg dry	1		SW-846 7471B	7/26/23	7/27/23 13:42	AAJ
Nickel	26	0.79	0.32	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:57	HNN
Potassium	980	200	36	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:57	HNN
Selenium	ND	4.0	0.85	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:57	HNN
Silver	ND	0.40	0.13	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:57	HNN
Sodium	99	200	36	mg/Kg dry	1	J	SW-846 6010D	7/19/23	7/24/23 18:57	HNN
Thallium	ND	2.0	0.69	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:57	HNN
Vanadium	14	0.79	0.25	mg/Kg dry	1		SW-846 6010D	7/19/23	7/24/23 18:57	HNN
Zinc	21	0.79	0.27	mg/Kg dry	1		SW-846 6010D	7/19/23	7/29/23 20:19	MJH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water St., Manhattan, NY Sample Description: Work Order: 23G1746

Date Received: 7/13/2023

Field Sample #: 250WATERST-SB105-SS(13-15) Sampled: 7/12/2023 10:15

Sample ID: 23G1746-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.2			% Wt	1		SM 2540G	7/14/23	7/14/23 8:22	ATP
Cyanide	0.35	0.48	0.34	mg/Kg dry	1	J	SW-846 9014	7/18/23	7/20/23 5:54	MMH

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23G1746
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Calibration:	2300846	Instrument:	GCMSVOA7
		Calibration Date:	7/12/2023 5:14:00AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
Acetone	0.1393438	16.8			20	
Acrolein	9.250141E-02	4.5			20	
Acrylonitrile	0.132171	14.1			20	
tert-Amyl Methyl Ether (TAME)	0.9286366	4.1			20	
Benzene	1.220011	8.4			20	
Bromobenzene	1.048753	7.2			20	
Bromochloromethane	0.2678868	11.6			20	
Bromodichloromethane	0.2852591	4.8			20	
Bromoform	0.4454684	4.3			20	
Bromomethane	0.1078823	12.7			20	
2-Butanone (MEK)	0.1670244	5.1			20	
tert-Butyl Alcohol (TBA)	5.246718E-02	9.1			20	
n-Butylbenzene	1.735674	15.1			20	
sec-Butylbenzene	2.112068	18.8			20	
tert-Butylbenzene	1.517237	19.0			20	
tert-Butyl Ethyl Ether (TBEE)	1.093651	3.8			20	
Carbon Disulfide	0.6383774	17.1			20	
Carbon Tetrachloride	0.3639346	17.4			20	
Chlorobenzene	1.53432	8.0			20	
Chlorodibromomethane	0.2325216	2.7			20	
Chloroethane	0.1455703	16.9			20	
Chloroform	0.5602051	7.7			20	
Chloromethane	0.4260619	13.0			20	
2-Chlorotoluene	1.717336	9.5			20	
4-Chlorotoluene	2.099713	9.1			20	
Cyclohexane	0.9130677	47.9	0.998		0.99	
1,2-Dibromo-3-chloropropane (DBCP)	0.1364139	8.5			20	
1,2-Dibromoethane (EDB)	0.2041536	2.5			20	
Dibromomethane	0.1098859	9.0			20	
1,2-Dichlorobenzene	0.9558076	5.3			20	
1,3-Dichlorobenzene	1.022274	10.1			20	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23G1746
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Calibration:	2300846	Instrument:	GCMSVOA7
		Calibration Date:	7/12/2023 5:14:00AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
1,4-Dichlorobenzene	1.018159	7.4			20	
trans-1,4-Dichloro-2-butene	0.2738743	7.8			20	
Dichlorodifluoromethane (Freon 12)	0.3229093	14.9			20	
1,1-Dichloroethane	0.5881858	11.2			20	
1,2-Dichloroethane	0.2868747	3.7			20	
1,1-Dichloroethylene	0.5551736	19.4			20	
cis-1,2-Dichloroethylene	0.5313237	8.6			20	
trans-1,2-Dichloroethylene	0.4578958	12.7			20	
Dichlorofluoromethane (Freon 21)	0.4726465	15.1			20	
1,2-Dichloropropane	0.2284993	5.3			20	
1,3-Dichloropropane	0.317914	4.7			20	
2,2-Dichloropropane	0.4742299	15.3			20	
1,1-Dichloropropene	0.3217646	18.0			20	
cis-1,3-Dichloropropene	0.3684016	4.7			20	
trans-1,3-Dichloropropene	0.3191342	4.0			20	
Diethyl Ether	0.3057232	5.2			20	
Difluorochloromethane (Freon 22)	0.6320801	43.2	0.999		0.99	
Diisopropyl Ether (DIPE)	0.999463	7.5			20	
1,4-Dioxane	2.841731E-03	8.7			20	
Ethyl Acetate	0.3249878	15.0			20	
Ethylbenzene	2.455145	12.9			20	
Hexachlorobutadiene	0.4051908	18.5			20	
2-Hexanone (MBK)	0.1576625	14.5			20	
Iodomethane	0.4859792	13.6			20	
Isopropylbenzene (Cumene)	2.535809	15.0			20	
p-Isopropyltoluene (p-Cymene)	1.860034	15.8			20	
Methyl Acetate	0.3305145	12.4			20	
Methyl tert-Butyl Ether (MTBE)	0.8926565	4.4			20	
Methyl Cyclohexane	0.3504426	14.2			20	
Methylene Chloride	0.4031239	9.5			20	
4-Methyl-2-pentanone (MIBK)	0.2064951	15.4			20	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23G1746
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Calibration:	2300846	Instrument:	GCMSVOA7
		Calibration Date:	7/12/2023 5:14:00AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
Naphthalene	1.931156	3.8			20	
n-Propylbenzene	2.891276	15.2			20	
Styrene	1.739451	6.7			20	
1,1,1,2-Tetrachloroethane	0.5877457	5.3			20	
1,1,2,2-Tetrachloroethane	0.7144844	9.9			20	
Tetrachloroethylene	0.2058066	18.2			20	
Tetrahydrofuran	0.1186702	6.6			20	
Toluene	0.8250477	11.3			20	
1,2,3-Trichlorobenzene	0.7311379	6.1			20	
1,2,4-Trichlorobenzene	0.7880238	7.3			20	
1,3,5-Trichlorobenzene	0.824207	10.4			20	
1,1,1-Trichloroethane	0.4677318	18.6			20	
1,1,2-Trichloroethane	0.1883578	5.7			20	
Trichloroethylene	0.2085854	15.5			20	
Trichlorofluoromethane (Freon 11)	0.4454877	19.3			20	
1,2,3-Trichloropropane	0.8156434	6.1			20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	0.3469077	27.1	0.996		0.99	
1,2,3-Trimethylbenzene	1.846755	9.0			20	
1,2,4-Trimethylbenzene	1.748943	11.0			20	
1,3,5-Trimethylbenzene	2.154432	11.8			20	
Vinyl Chloride	0.3792056	19.5			20	
m+p Xylene	1.906431	13.3			20	
o-Xylene	2.057623	8.7			20	
1,2-Dichloroethane-d4	0.5510526	1.7			20	
Toluene-d8	1.16965	1.9			20	
4-Bromofluorobenzene	1.267653	1.0			20	

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23G1746
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	GCMSVOA7	Calibration:	2300846
Lab File ID:	G22V19318.D	Calibration Date:	07/12/23 05:14
Sequence:	S090340	Injection Date:	07/12/23
Lab Sample ID:	S090340-ICV1	Injection Time:	13:28

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)	
Acetone	A	100	146	0.1393438	0.2036055		46.1	30	*
Acrolein	A	100	136	9.250141E-02	0.1254289		35.6	30	*
Acrylonitrile	A	10.0	9.78	0.132171	0.1293193		-2.2	30	
tert-Amyl Methyl Ether (TAME)	A	10.0	10.0	0.9286366	0.9308125		0.2	30	
Benzene	A	10.0	10.4	1.220011	1.264802		3.7	30	
Bromobenzene	A	10.0	10.2	1.048753	1.066963		1.7	30	
Bromochloromethane	A	10.0	11.0	0.2678868	0.2944728		9.9	30	
Bromodichloromethane	A	10.0	10.3	0.2852591	0.2938116		3.0	30	
Bromoform	A	10.0	11.0	0.4454684	0.4922552		10.5	30	
Bromomethane	A	10.0	9.12	0.1078823	9.841331E-02		-8.8	30	
2-Butanone (MEK)	A	100	111	0.1670244	0.1861408		11.4	30	
tert-Butyl Alcohol (TBA)	A	100	96.2	5.246718E-02	5.045709E-02		-3.8	30	
n-Butylbenzene	A	10.0	11.2	1.735674	1.9523		12.5	30	
sec-Butylbenzene	A	10.0	11.8	2.112068	2.482459		17.5	30	
tert-Butylbenzene	A	10.0	10.8	1.517237	1.638328		8.0	30	
tert-Butyl Ethyl Ether (TBEE)	A	10.0	10.4	1.093651	1.142547		4.5	30	
Carbon Disulfide	A	10.0	13.5	0.6383774	0.8640495		35.4	30	*
Carbon Tetrachloride	A	10.0	10.3	0.3639346	0.3748054		3.0	30	
Chlorobenzene	A	10.0	10.1	1.53432	1.554082		1.3	30	
Chlorodibromomethane	A	10.0	10.1	0.2325216	0.2355075		1.3	30	
Chloroethane	A	10.0	10.0	0.1455703	0.1462845		0.5	30	
Chloroform	A	10.0	10.2	0.5602051	0.5691386		1.6	30	
Chloromethane	A	10.0	10.2	0.4260619	0.4352641		2.2	30	
2-Chlorotoluene	A	10.0	10.8	1.717336	1.854992		8.0	30	
4-Chlorotoluene	A	10.0	10.9	2.099713	2.288703		9.0	30	
Cyclohexane	A	10.0	11.3	0.9130677	0.7857104		13.0	30	
1,2-Dibromo-3-chloropropane (DBCP)	A	10.0	10.2	0.1364139	0.1392516		2.1	30	
1,2-Dibromoethane (EDB)	A	10.0	10.4	0.2041536	0.2125723		4.1	30	
Dibromomethane	A	10.0	9.87	0.1098859	0.1084367		-1.3	30	

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23G1746
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	GCMSVOA7	Calibration:	2300846
Lab File ID:	G22V19318.D	Calibration Date:	07/12/23 05:14
Sequence:	S090340	Injection Date:	07/12/23
Lab Sample ID:	S090340-ICV1	Injection Time:	13:28

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
1,2-Dichlorobenzene	A	10.0	10.5	0.9558076	1.007518		5.4	30
1,3-Dichlorobenzene	A	10.0	10.3	1.022274	1.057021		3.4	30
1,4-Dichlorobenzene	A	10.0	10.2	1.018159	1.04328		2.5	30
trans-1,4-Dichloro-2-butene	A	10.0	9.18	0.2738743	0.2515472		-8.2	30
Dichlorodifluoromethane (Freon 12)	A	10.0	11.8	0.3229093	0.3802628		17.8	30
1,1-Dichloroethane	A	10.0	11.2	0.5881858	0.6588275		12.0	30
1,2-Dichloroethane	A	10.0	10.4	0.2868747	0.2970766		3.6	30
1,1-Dichloroethylene	A	10.0	12.3	0.5551736	0.6808837		22.6	30
cis-1,2-Dichloroethylene	A	10.0	11.4	0.5313237	0.6063636		14.1	30
trans-1,2-Dichloroethylene	A	10.0	11.4	0.4578958	0.522098		14.0	30
Dichlorofluoromethane (Freon 21)	A	10.0	11.4	0.4726465	0.5406217		14.4	30
1,2-Dichloropropane	A	10.0	10.6	0.2284993	0.2433589		6.5	30
1,3-Dichloropropane	A	10.0	10.1	0.317914	0.3208664		0.9	30
2,2-Dichloropropane	A	10.0	11.1	0.4742299	0.5269773		11.1	30
1,1-Dichloropropene	A	10.0	11.3	0.3217646	0.3637879		13.1	30
cis-1,3-Dichloropropene	A	10.0	10.0	0.3684016	0.369892		0.4	30
trans-1,3-Dichloropropene	A	10.0	10.8	0.3191342	0.3434214		7.6	30
Diethyl Ether	A	10.0	9.04	0.3057232	0.2764067		-9.6	30
Difluorochloromethane (Freon 22)	L	10.0	8.85	0.6320801	0.5537353		-11.5	30
Diisopropyl Ether (DIPE)	A	10.0	11.2	0.999463	1.114114		11.5	30
1,4-Dioxane	A	100	95.0	2.841731E-03	2.700514E-03		-5.0	30
Ethyl Acetate	A	10.0	8.39	0.3249878	0.2726137		-16.1	30
Ethylbenzene	A	10.0	11.2	2.455145	2.752953		12.1	30
Hexachlorobutadiene	A	10.0	11.8	0.4051908	0.4795411		18.3	30
2-Hexanone (MBK)	A	100	112	0.1576625	0.1764304		11.9	30
Iodomethane	A	10.0	12.4	0.4859792	0.601183		23.7	30
Isopropylbenzene (Cumene)	A	10.0	11.2	2.535809	2.83928		12.0	30
p-Isopropyltoluene (p-Cymene)	A	10.0	11.4	1.860034	2.12941		14.5	30

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23G1746
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	GCMSVOA7	Calibration:	2300846
Lab File ID:	G22V19318.D	Calibration Date:	07/12/23 05:14
Sequence:	S090340	Injection Date:	07/12/23
Lab Sample ID:	S090340-ICV1	Injection Time:	13:28

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Methyl Acetate	A	10.0	10.0	0.3305145	0.3305855		0.02	30
Methyl tert-Butyl Ether (MTBE)	A	10.0	9.64	0.8926565	0.8605187		-3.6	30
Methyl Cyclohexane	A	10.0	11.8	0.3504426	0.4127162		17.8	30
Methylene Chloride	A	10.0	10.0	0.4031239	0.404573		0.4	30
4-Methyl-2-pentanone (MIBK)	A	100	110	0.2064951	0.2270455		10.0	30
Naphthalene	A	10.0	10.6	1.931156	2.04913		6.1	30
n-Propylbenzene	A	10.0	11.4	2.891276	3.308349		14.4	30
Styrene	A	10.0	10.6	1.739451	1.848116		6.2	30
1,1,1,2-Tetrachloroethane	A	10.0	10.4	0.5877457	0.6114952		4.0	30
1,1,2,2-Tetrachloroethane	A	10.0	11.0	0.7144844	0.7882745		10.3	30
Tetrachloroethylene	A	10.0	11.8	0.2058066	0.2428889		18.0	30
Tetrahydrofuran	A	10.0	9.99	0.1186702	0.1186015		-0.06	30
Toluene	A	10.0	11.3	0.8250477	0.9352413		13.4	30
1,2,3-Trichlorobenzene	A	10.0	10.6	0.7311379	0.7757497		6.1	30
1,2,4-Trichlorobenzene	A	10.0	10.6	0.7880238	0.836168		6.1	30
1,3,5-Trichlorobenzene	A	10.0	11.0	0.824207	0.9105139		10.5	30
1,1,1-Trichloroethane	A	10.0	11.3	0.4677318	0.5305944		13.4	30
1,1,2-Trichloroethane	A	10.0	10.2	0.1883578	0.1926369		2.3	30
Trichloroethylene	A	10.0	11.2	0.2085854	0.2338248		12.1	30
Trichlorofluoromethane (Freon 11)	A	10.0	12.0	0.4454877	0.5332279		19.7	30
1,2,3-Trichloropropane	A	10.0	9.94	0.8156434	0.8107115		-0.6	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	10.0	10.1	0.3469077	0.4270526		1.4	30
1,2,3-Trimethylbenzene	A	10.0	10.1	1.846755	1.857797		0.6	30
1,2,4-Trimethylbenzene	A	10.0	10.5	1.748943	1.839661		5.2	30
1,3,5-Trimethylbenzene	A	10.0	11.1	2.154432	2.383084		10.6	30
Vinyl Chloride	A	10.0	10.1	0.3792056	0.3830852		1.0	30
m+p Xylene	A	20.0	22.6	1.906431	2.156504		13.1	30
o-Xylene	A	10.0	11.0	2.057623	2.254054		9.5	30

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23G1746
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	GCMSVOA7	Calibration:	2300846
Lab File ID:	G22V19503.D	Calibration Date:	07/12/23 05:14
Sequence:	S090483	Injection Date:	07/14/23
Lab Sample ID:	S090483-CCV1	Injection Time:	04:38

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetone	A	100	104	0.1393438	0.145281		4.3	20	
Benzene	A	10.0	10.3	1.220011	1.255767		2.9	20	
Bromochloromethane	A	10.0	10.7	0.2678868	0.2870755		7.2	20	
Bromodichloromethane	A	10.0	10.2	0.2852591	0.2921512		2.4	20	
Bromoform	A	10.0	9.68	0.4454684	0.4313438		-3.2	20	
Bromomethane	A	10.0	15.3	0.1078823	0.1651897		53.1	20	*
2-Butanone (MEK)	A	100	101	0.1670244	0.1689143		1.1	20	
Carbon Disulfide	A	100	113	0.6383774	0.7218534		13.1	20	
Carbon Tetrachloride	A	10.0	9.98	0.3639346	0.3630511		-0.2	20	
Chlorobenzene	A	10.0	9.97	1.53432	1.529115		-0.3	20	
Chlorodibromomethane	A	10.0	10.2	0.2325216	0.2366159		1.8	20	
Chloroethane	A	10.0	11.9	0.1455703	0.1737174		19.3	20	
Chloroform	A	10.0	10.2	0.5602051	0.5726379		2.2	20	
Chloromethane	A	10.0	11.0	0.4260619	0.4707482		10.5	20	
Cyclohexane	L	10.0	9.79	0.9130677	0.6841848		-2.1	20	
1,2-Dibromo-3-chloropropane (DBCP)	A	10.0	9.07	0.1364139	0.1237731		-9.3	20	
1,2-Dibromoethane (EDB)	A	10.0	10.0	0.2041536	0.2043436		0.09	20	
1,2-Dichlorobenzene	A	10.0	9.65	0.9558076	0.9219536		-3.5	20	
1,3-Dichlorobenzene	A	10.0	9.57	1.022274	0.9780572		-4.3	20	
1,4-Dichlorobenzene	A	10.0	9.54	1.018159	0.9709438		-4.6	20	
Dichlorodifluoromethane (Freon 12)	A	10.0	9.74	0.3229093	0.3144173		-2.6	20	
1,1-Dichloroethane	A	10.0	10.6	0.5881858	0.6241384		6.1	20	
1,2-Dichloroethane	A	10.0	10.4	0.2868747	0.2980291		3.9	20	
1,1-Dichloroethylene	A	10.0	11.8	0.5551736	0.6550648		18.0	20	
cis-1,2-Dichloroethylene	A	10.0	11.0	0.5313237	0.5860033		10.3	20	
trans-1,2-Dichloroethylene	A	10.0	10.9	0.4578958	0.5009303		9.4	20	
1,2-Dichloropropane	A	10.0	10.5	0.2284993	0.2389735		4.6	20	
cis-1,3-Dichloropropene	A	10.0	10.3	0.3684016	0.3801522		3.2	20	
trans-1,3-Dichloropropene	A	10.0	10.2	0.3191342	0.3270404		2.5	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23G1746
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	GCMSVOA7	Calibration:	2300846
Lab File ID:	G22V19503.D	Calibration Date:	07/12/23 05:14
Sequence:	S090483	Injection Date:	07/14/23
Lab Sample ID:	S090483-CCV1	Injection Time:	04:38

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,4-Dioxane	A	100	96.5	2.841731E-03	2.743176E-03		-3.5	20
Ethylbenzene	A	10.0	10.7	2.455145	2.631378		7.2	20
2-Hexanone (MBK)	A	100	109	0.1576625	0.17194		9.1	20
Isopropylbenzene (Cumene)	A	10.0	10.6	2.535809	2.69834		6.4	20
Methyl Acetate	A	10.0	9.22	0.3305145	0.3046431		-7.8	20
Methyl tert-Butyl Ether (MTBE)	A	10.0	10.1	0.8926565	0.9049717		1.4	20
Methyl Cyclohexane	A	10.0	10.2	0.3504426	0.3559868		1.6	20
Methylene Chloride	A	10.0	10.6	0.4031239	0.4283386		6.3	20
4-Methyl-2-pentanone (MIBK)	A	100	111	0.2064951	0.2290416		10.9	20
Styrene	A	10.0	10.3	1.739451	1.798512		3.4	20
1,1,2,2-Tetrachloroethane	A	10.0	9.82	0.7144844	0.7012736		-1.8	20
Tetrachloroethylene	A	10.0	10.8	0.2058066	0.2215927		7.7	20
Toluene	A	10.0	10.4	0.8250477	0.8620724		4.5	20
1,2,3-Trichlorobenzene	A	10.0	9.01	0.7311379	0.6590663		-9.9	20
1,2,4-Trichlorobenzene	A	10.0	9.04	0.7880238	0.7122054		-9.6	20
1,1,1-Trichloroethane	A	10.0	11.2	0.4677318	0.5223278		11.7	20
1,1,2-Trichloroethane	A	10.0	9.65	0.1883578	0.1818321		-3.5	20
Trichloroethylene	A	10.0	10.6	0.2085854	0.2211792		6.0	20
Trichlorofluoromethane (Freon 11)	A	10.0	11.5	0.4454877	0.5105119		14.6	20
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	L	10.0	9.56	0.3469077	0.4055958		-4.4	20
Vinyl Chloride	A	10.0	11.1	0.3792056	0.4200891		10.8	20
m+p Xylene	A	20.0	21.9	1.906431	2.084593		9.3	20
o-Xylene	A	10.0	10.5	2.057623	2.168908		5.4	20
1,2-Dichloroethane-d4	A	25.0	25.7	0.5510526	0.5673414		3.0	
Toluene-d8	A	25.0	24.9	1.16965	1.164807		-0.4	
4-Bromofluorobenzene	A	25.0	25.0	1.267653	1.270382		0.2	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

2 - FORM II

SYSTEM MONITORING COMPOUND SUMMARY

SW-846 8270E

Laboratory:	Pace New England	SDG:	23G1746
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Soil	Instrument:	GCMSSV2

	2,4,6-TBP (30% - 130%)	2-FlBiphenyl (30% - 130%)	2-Flphenol (30% - 130%)	Nitrobenz-d5 (30% - 130%)	Phenol-d6 (30% - 130%)	Terphnyl-d14 (30% - 130%)
23G1746-01	22.6*	54.5	47.8	63.9	54.9	58.8
23G1746-01RE1	*	*	*	*	*	*
23G1746-02	69.3	87.1	74.5	90.8	84.2	90.5
23G1746-03	62.0	79.6	68.0	87.5	77.9	92.1
23G1746-03RE1	69.1	104	82.1	105	91.2	86.6
23G1746-04	65.2	91.1	78.4	94.4	86.7	101
B347054-BLK1	79.4	88.5	73.8	73.4	72.8	102
B347054-BS1	84.6	89.8	74.4	75.8	73.8	103
B347054-BSD1	79.9	91.2	75.1	75.1	74.8	99.2

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Pace New England	Work Order:	23G1746
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	GCMSSV3	Calibration:	2300262
Lab File ID:	C2302709.D	Calibration Date:	02/22/23 14:02
Sequence:	S083923	Injection Date:	01/27/23
Lab Sample ID:	S083923-ICV1	Injection Time:	16:32

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)	
Atrazine	A	50.0	49.2	0.3676586	0.3614639		-1.7	30	
Benzaldehyde	A	50.0	22.5	1.097155	0.4941498		-55.0	30	*
Biphenyl	A	50.0	50.4	1.643789	1.655947		0.7	30	
Caprolactam	A	50.0	49.9	0.1033754	0.103175		-0.2	30	
Acenaphthene	A	50.0	51.1	1.295546	1.323894		2.2	30	
Acenaphthylene	A	50.0	50.6	1.983951	2.007714		1.2	30	
Acetophenone	A	50.0	48.5	2.128914	2.065526		-3.0	30	
Anthracene	A	50.0	50.8	1.119781	1.138223		1.6	30	
Benzo(a)anthracene	A	50.0	49.5	1.456092	1.440227		-1.1	30	
Benzo(a)pyrene	A	50.0	48.4	1.157029	1.120202		-3.2	30	
Benzo(b)fluoranthene	A	50.0	51.2	1.329656	1.362659		2.5	30	
Benzo(g,h,i)perylene	A	50.0	54.2	1.038094	1.124771		8.3	30	
Benzo(k)fluoranthene	A	50.0	53.9	1.221296	1.316744		7.8	30	
Bis(2-chloroethoxy)methane	A	50.0	49.2	0.4440508	0.436848		-1.6	30	
Bis(2-chloroethyl)ether	A	50.0	49.8	0.9656286	0.9615541		-0.4	30	
Bis(2-chloroisopropyl)ether	A	50.0	56.0	1.407065	1.57506		11.9	30	
Bis(2-Ethylhexyl)phthalate	A	50.0	51.7	0.8610833	0.8904768		3.4	30	
4-Bromophenylphenylether	A	50.0	46.5	0.2284967	0.2125564		-7.0	30	
Butylbenzylphthalate	A	50.0	50.9	0.6593365	0.6708612		1.7	30	
Carbazole	A	50.0	48.5	1.083266	1.049797		-3.1	30	
4-Chloroaniline	A	50.0	29.8	0.4629189	0.2754499		-40.5	30	*
4-Chloro-3-methylphenol	A	50.0	48.3	0.3466088	0.3346719		-3.4	30	
2-Chloronaphthalene	A	50.0	43.9	1.541018	1.353552		-12.2	30	
2-Chlorophenol	A	50.0	48.3	1.590346	1.535836		-3.4	30	
4-Chlorophenylphenylether	A	50.0	48.3	0.8149534	0.78668		-3.5	30	
Chrysene	A	50.0	48.5	1.417415	1.375523		-3.0	30	
Dibenz(a,h)anthracene	A	50.0	54.2	1.013156	1.097473		8.3	30	
Dibenzofuran	A	50.0	49.0	1.966105	1.928683		-1.9	30	
Di-n-butylphthalate	A	50.0	47.4	1.292531	1.224223		-5.3	30	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Pace New England	Work Order:	23G1746
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	GCMSSV2	Calibration:	2300381
Lab File ID:	B23S208003.D	Calibration Date:	03/08/23 11:00
Sequence:	S091135	Injection Date:	07/27/23
Lab Sample ID:	S091135-CCV1	Injection Time:	15:03

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
2,4-Dimethylphenol	A	50.0	45.9	0.3800651	0.3490766		-8.2	20	
Dimethylphthalate	A	50.0	50.5	1.469299	1.484833		1.1	20	
4,6-Dinitro-2-methylphenol	A	50.0	48.4	0.1279935	0.1237711		-3.3	20	
2,4-Dinitrophenol	L	50.0	34.9	0.1611561	0.1127225		-30.2	20	*
2,4-Dinitrotoluene	A	50.0	63.4	0.3862108	0.4896764		26.8	20	*
2,6-Dinitrotoluene	A	50.0	54.2	0.3047531	0.3301141		8.3	20	
Di-n-octylphthalate	A	50.0	44.6	1.522681	1.359063		-10.7	20	
Fluoranthene	A	50.0	52.5	1.268195	1.331791		5.0	20	
Fluorene	A	50.0	52.1	1.45819	1.519088		4.2	20	
Hexachlorobenzene	A	50.0	49.8	0.2652648	0.2643869		-0.3	20	
Hexachlorobutadiene	A	50.0	54.4	0.1990546	0.2165598		8.8	20	
Hexachlorocyclopentadiene	A	50.0	14.7	0.3931697	0.1152881		-70.7	20	*
Hexachloroethane	A	50.0	53.1	0.6583948	0.6994748		6.2	20	
Indeno(1,2,3-cd)pyrene	A	50.0	63.9	1.184854	1.515057		27.9	20	*
Isophorone	A	50.0	53.3	0.6905821	0.7360996		6.6	20	
2-Methylnaphthalene	A	50.0	48.8	0.7770952	0.7579997		-2.5	20	
2-Methylphenol	A	50.0	48.5	1.347648	1.306713		-3.0	20	
3/4-Methylphenol	A	100	112	1.455543	1.633072		12.2	20	
Naphthalene	A	50.0	51.9	1.088033	1.129307		3.8	20	
2-Nitroaniline	A	50.0	62.9	0.3767151	0.4742157		25.9	20	*
3-Nitroaniline	A	50.0	51.8	0.3595244	0.3722874		3.5	20	
4-Nitroaniline	A	50.0	50.7	0.3934118	0.3986095		1.3	20	
Nitrobenzene	A	50.0	60.7	0.4050816	0.4914445		21.3	20	*
2-Nitrophenol	A	50.0	51.6	0.2164144	0.2235193		3.3	20	
4-Nitrophenol	A	50.0	68.0	0.1843013	0.2505753		36.0	20	*
N-Nitrosodiphenylamine/Diphenylamine	A	42.8	41.5	0.7272073	0.7073253		-2.7	20	
N-Nitrosodi-n-propylamine	A	50.0	58.6	1.027675	1.20334		17.1	20	
Pentachlorophenol	A	50.0	32.6	0.1914989	0.1250464		-34.7	20	*

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Pace New England	Work Order:	23G1746
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	GCMSSV3	Calibration:	2300262
Lab File ID:	C2320802.D	Calibration Date:	02/22/23 14:02
Sequence:	S091151	Injection Date:	07/27/23
Lab Sample ID:	S091151-CCV1	Injection Time:	14:48

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Biphenyl	A	50.0	47.7	1.643789	1.568499		-4.6	20	
Acenaphthene	A	50.0	44.7	1.295546	1.158726		-10.6	20	
Acenaphthylene	A	50.0	48.2	1.983951	1.910578		-3.7	20	
Acetophenone	A	50.0	44.1	2.128914	1.87858		-11.8	20	
Anthracene	A	50.0	51.2	1.119781	1.145798		2.3	20	
Benzo(a)anthracene	A	50.0	49.8	1.456092	1.450948		-0.4	20	
Benzo(a)pyrene	A	50.0	53.8	1.157029	1.245178		7.6	20	
Benzo(b)fluoranthene	A	50.0	51.1	1.329656	1.358648		2.2	20	
Benzo(g,h,i)perylene	A	50.0	56.4	1.038094	1.170503		12.8	20	
Benzo(k)fluoranthene	A	50.0	50.3	1.221296	1.228685		0.6	20	
Bis(2-chloroethoxy)methane	A	50.0	40.9	0.4440508	0.36339		-18.2	20	
Bis(2-chloroethyl)ether	A	50.0	37.4	0.9656286	0.7233475		-25.1	20	*
Bis(2-chloroisopropyl)ether	A	50.0	36.6	1.407065	1.030429		-26.8	20	*
Bis(2-Ethylhexyl)phthalate	A	50.0	50.9	0.8610833	0.8771085		1.9	20	
4-Bromophenylphenylether	A	50.0	48.4	0.2284967	0.2212385		-3.2	20	
Butylbenzylphthalate	A	50.0	46.7	0.6593365	0.6157028		-6.6	20	
Carbazole	A	50.0	51.2	1.083266	1.110161		2.5	20	
4-Chloroaniline	A	50.0	45.8	0.4629189	0.4244914		-8.3	20	
4-Chloro-3-methylphenol	A	50.0	46.8	0.3466088	0.3246859		-6.3	20	
2-Chloronaphthalene	A	50.0	48.2	1.541018	1.483959		-3.7	20	
2-Chlorophenol	A	50.0	47.1	1.590346	1.499287		-5.7	20	
4-Chlorophenylphenylether	A	50.0	43.7	0.8149534	0.7120544		-12.6	20	
Chrysene	A	50.0	49.0	1.417415	1.388111		-2.1	20	
Dibenz(a,h)anthracene	A	50.0	59.9	1.013156	1.213275		19.8	20	
Dibenzofuran	A	50.0	45.8	1.966105	1.800635		-8.4	20	
Di-n-butylphthalate	A	50.0	49.6	1.292531	1.282497		-0.8	20	
3,3-Dichlorobenzidine	A	50.0	62.4	0.4325516	0.5394992		24.7	20	*
2,4-Dichlorophenol	A	50.0	49.8	0.3324846	0.3314465		-0.3	20	
Diethylphthalate	A	50.0	42.2	1.530566	1.293293		-15.5	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Pace New England	Work Order:	23G1746
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	GCMSSV2	Calibration:	2300381
Lab File ID:	B23S210002.D	Calibration Date:	03/08/23 11:00
Sequence:	S091309	Injection Date:	07/29/23
Lab Sample ID:	S091309-CCV1	Injection Time:	13:42

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
2,4-Dimethylphenol	A	50.0	47.5	0.3800651	0.3611682		-5.0	20	
Dimethylphthalate	A	50.0	50.4	1.469299	1.481025		0.8	20	
4,6-Dinitro-2-methylphenol	A	50.0	49.2	0.1279935	0.1259153		-1.6	20	
2,4-Dinitrophenol	L	50.0	40.2	0.1611561	0.134276		-19.6	20	
2,4-Dinitrotoluene	A	50.0	62.0	0.3862108	0.4790269		24.0	20	*
2,6-Dinitrotoluene	A	50.0	56.4	0.3047531	0.3435542		12.7	20	
Di-n-octylphthalate	A	50.0	49.0	1.522681	1.493549		-1.9	20	
Fluoranthene	A	50.0	50.4	1.268195	1.277495		0.7	20	
Fluorene	A	50.0	49.8	1.45819	1.451214		-0.5	20	
Hexachlorobenzene	A	50.0	48.4	0.2652648	0.256737		-3.2	20	
Hexachlorobutadiene	A	50.0	56.4	0.1990546	0.2246649		12.9	20	
Hexachlorocyclopentadiene	A	50.0	11.8	0.3931697	9.319538E-02		-76.3	20	*
Hexachloroethane	A	50.0	53.9	0.6583948	0.7102004		7.9	20	
Indeno(1,2,3-cd)pyrene	A	50.0	54.0	1.184854	1.280287		8.1	20	
Isophorone	A	50.0	55.1	0.6905821	0.7607184		10.2	20	
2-Methylnaphthalene	A	50.0	51.9	0.7770952	0.8065118		3.8	20	
2-Methylphenol	A	50.0	50.3	1.347648	1.3548		0.5	20	
3/4-Methylphenol	A	100	116	1.455543	1.685938		15.8	20	
Naphthalene	A	50.0	52.7	1.088033	1.146925		5.4	20	
2-Nitroaniline	A	50.0	63.8	0.3767151	0.4806724		27.6	20	*
3-Nitroaniline	A	50.0	52.3	0.3595244	0.3758873		4.6	20	
4-Nitroaniline	A	50.0	51.5	0.3934118	0.4055135		3.1	20	
Nitrobenzene	A	50.0	60.4	0.4050816	0.4896766		20.9	20	*
2-Nitrophenol	A	50.0	52.9	0.2164144	0.2289333		5.8	20	
4-Nitrophenol	A	50.0	71.6	0.1843013	0.2640286		43.3	20	*
N-Nitrosodiphenylamine/Diphenylamine	A	42.8	43.3	0.7272073	0.737723		1.4	20	
N-Nitrosodi-n-propylamine	A	50.0	61.8	1.027675	1.269866		23.6	20	*
Pentachlorophenol	A	50.0	33.7	0.1914989	0.1291308		-32.6	20	*

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8081B

Laboratory:	Pace New England	Work Order:	23G1746
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	ECD6	Calibration:	2300864
Lab File ID:	F23E200017.D	Calibration Date:	07/17/23 00:00
Sequence:	S090819	Injection Date:	07/19/23
Lab Sample ID:	S090819-ICV1	Injection Time:	16:41

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)	
Chlordane	A	100	111					20	
Chlordane [2C]	A	100	116					20	
Chlordane (1)	A	100	115	1524942	1753000		15.0	20	
Chlordane (1) [2C]	A	100	125	657137	823019.3		25.2	20	*
Chlordane (2)	A	100	130	2286001	2982000		30.4	20	*
Chlordane (2) [2C]	A	100	143	939848.4	1339000		42.5	20	*
Chlordane (3)	A	100	113	1762761	1983000		12.5	20	
Chlordane (3) [2C]	A	100	120	811086.6	975082		20.2	20	*
Chlordane (4)	A	100	101	6209312	6243000		0.5	20	
Chlordane (4) [2C]	A	100	68.5	2644451	1811000		-31.5	20	*
Chlordane (5)	A	100	94.9	1747703	1659000		-5.1	20	
Chlordane (5) [2C]	A	100	123	1852094	2272000		22.7	20	*

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

SW-846 8081B

250WATERST-SB101-SS(2-4) 1063

Lab Sample ID: 23G1746-01 Date(s) Analyzed: 07/21/2023 07/22/2023

Instrument ID (1): ECD6A Instrument ID (2): ECD6B

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDE	1	6.997	6.967	7.027	0.11	
	2	6.878	6.839	6.899	0.38	110.0
4,4'-DDT	1	7.664	7.634	7.694	0.18	
	2	7.537	7.508	7.568	0.11	53.3

IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

SW-846 8081B

250WATERST-SB105-SS(2-4) 1064

Lab Sample ID: 23G1746-03 Date(s) Analyzed: 07/21/2023 07/22/2023

Instrument ID (1): ECD6A Instrument ID (2): ECD6B

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	7.443	7.418	7.478	0.035	
	2	7.298	7.268	7.328	0.033	5.9
4,4'-DDE	1	6.993	6.967	7.027	0.064	
	2	6.870	6.839	6.899	0.090	33.8
4,4'-DDT	1	7.660	7.634	7.694	0.097	
	2	7.538	7.508	7.568	0.10	3.1

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8082A

Laboratory:	Pace New England	Work Order:	23G1746
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	ECD10	Calibration:	2300499
Lab File ID:	J23E115057.D	Calibration Date:	04/25/23 00:00
Sequence:	S086616	Injection Date:	04/27/23
Lab Sample ID:	S086616-ICV1	Injection Time:	00:47

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)	
Aroclor-1221	A	100	95.0				-5.0	20	
Aroclor-1221 (1)	A	100	93.7	185298.5	173544.4		-6.3	20	
Aroclor-1221 (2)	A	100	94.5	123291.7	116562.3		-5.5	20	
Aroclor-1221 (3)	A	100	96.7	438700.9	424333.6		-3.3	20	
Aroclor-1221 (4)	A	100	0.00					20	
Aroclor-1221 (5)	A	100	0.00					20	
Aroclor-1221 [2C]	A	100	91.9				-8.1	20	
Aroclor-1221 (1) [2C]	A	100	88.6	256880.2	227493.9		-11.4	20	
Aroclor-1221 (2) [2C]	A	100	98.3	157239.4	154531.9		-1.7	20	
Aroclor-1221 (3) [2C]	A	100	88.8	610534.6	541873.7		-11.2	20	
Aroclor-1221 (4) [2C]	A	100	0.00					20	
Aroclor-1221 (5) [2C]	A	100	0.00					20	
Aroclor-1262	A	100	85.0				-15.0	20	
Aroclor-1262 (1)	A	100	81.4	788888.9	641798.1		-18.6	20	
Aroclor-1262 (2)	A	100	79.2	1100506	871693.8		-20.8	20	*
Aroclor-1262 (3)	A	100	91.2	1213025	1106000		-8.8	20	
Aroclor-1262 (4)	A	100	86.9	1105881	960480.5		-13.1	20	
Aroclor-1262 (5)	A	100	86.5	2414060	2089000		-13.5	20	
Aroclor-1262 [2C]	A	100	85.3				-14.7	20	
Aroclor-1262 (1) [2C]	A	100	83.9	928308.8	778715		-16.1	20	
Aroclor-1262 (2) [2C]	A	100	81.1	1089523	884025.8		-18.9	20	
Aroclor-1262 (3) [2C]	A	100	89.4	1370979	1226000		-10.6	20	
Aroclor-1262 (4) [2C]	A	100	88.6	1350505	1197000		-11.4	20	
Aroclor-1262 (5) [2C]	A	100	83.6	2785865	2329000		-16.4	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8082A

Laboratory:	Pace New England	Work Order:	23G1746
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	ECD10	Calibration:	2300741
Lab File ID:	J23E164018.D	Calibration Date:	06/14/23 13:16
Sequence:	S089094	Injection Date:	06/13/23
Lab Sample ID:	S089094-ICV1	Injection Time:	13:18

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)	
Aroclor-1232	A	100	94.9				-5.1	20	
Aroclor-1232 (1)	A	100	93.0	140774.5	130955.3		-7.0	20	
Aroclor-1232 (2)	A	100	95.5	453471.2	433156.3		-4.5	20	
Aroclor-1232 (3)	A	100	103	298455.9	306295.6		2.6	20	
Aroclor-1232 (4)	A	100	94.5	227108	214527.4		-5.5	20	
Aroclor-1232 (5)	A	100	89.1	152572.8	135876.7		-10.9	20	
Aroclor-1232 [2C]	A	100	89.2				-10.8	20	
Aroclor-1232 (1) [2C]	A	100	92.9	173800	161389.7		-7.1	20	
Aroclor-1232 (2) [2C]	A	100	95.4	520303.3	496379.9		-4.6	20	
Aroclor-1232 (3) [2C]	A	100	83.9	188951.7	158483.5		-16.1	20	
Aroclor-1232 (4) [2C]	A	100	88.0	270227.7	237846.4		-12.0	20	
Aroclor-1232 (5) [2C]	A	100	85.9	324945.4	279140.4		-14.1	20	
Aroclor-1268	A	100	108				8.2	20	
Aroclor-1268 (1)	A	100	99.1	3151786	3124000		-0.9	20	
Aroclor-1268 (2)	A	100	101	3020931	3046000		0.8	20	
Aroclor-1268 (3)	A	100	89.1	2849089	2540000		-10.9	20	
Aroclor-1268 (4)	A	100	140	773745.7	1086000		40.4	20	*
Aroclor-1268 (5)	A	100	112	7379758	8247000		11.8	20	
Aroclor-1268 [2C]	A	100	106				6.4	20	
Aroclor-1268 (1) [2C]	A	100	96.4	3140563	3027000		-3.6	20	
Aroclor-1268 (2) [2C]	A	100	98.9	2927612	2896000		-1.1	20	
Aroclor-1268 (3) [2C]	A	100	86.4	2692903	2327000		-13.6	20	
Aroclor-1268 (4) [2C]	A	100	140	777971.8	1085000		39.5	20	*
Aroclor-1268 (5) [2C]	A	100	111	6858942	7588000		10.6	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

LOW-CONCENTRATION CALIBRATION VERIFICATION

SW-846 6010D

Laboratory: Pace New England
SDG: 23G1746
Client: NYDEC_TRC Engineers, Inc. - New York, NY
Project: 250 Water Street P-site CAT B - CO 147098
Calibration: 2300896
Laboratory ID: S090894-LCV1
Sequence: S090894
Standard ID: 2305079

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Aluminum	0.0500	0.0552	10.4	20.00
Antimony	0.0500	0.0448	-10.3	20.00
Calcium	0.500	0.564	12.9	20.00
Chromium	0.0100	0.0118	17.9	20.00
Iron	0.0500	0.0576	15.2	20.00
Lead	0.0100	0.0115	14.7	20.00
Magnesium	0.0500	0.0562	12.4	20.00
Manganese	0.0100	0.0115	14.8	20.00
Potassium	2.00	2.26	13.2	20.00
Selenium	0.0500	0.0560	12.0	20.00
Sodium	2.00	2.30	15.2	20.00
Thallium	0.0500	0.0538	7.6	20.00
Vanadium	0.0100	0.0118	17.7	20.00

* Values outside of QC limits

LOW-CONCENTRATION CALIBRATION VERIFICATION

SW-846 6010D

Laboratory: Pace New England
SDG: 23G1746
Client: NYDEC_TRC Engineers, Inc. - New York, NY
Project: 250 Water Street P-site CAT B - CO 147098
Calibration: 2300896
Laboratory ID: S090894-LCV2
Sequence: S090894
Standard ID: 2305993

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Beryllium	0.00400	0.00456	14.1	20.00
Cadmium	0.00400	0.00424	6.0	20.00

* Values outside of QC limits

LOW-CONCENTRATION CALIBRATION VERIFICATION

SW-846 6010D

Laboratory: Pace New England
SDG: 23G1746
Client: NYDEC_TRC Engineers, Inc. - New York, NY
Project: 250 Water Street P-site CAT B - CO 147098
Calibration: 2300896
Laboratory ID: S090894-LCV3
Sequence: S090894
Standard ID: 2305097

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Barium	0.0100	0.0108	8.2	20.00
Cobalt	0.0100	0.0102	2.2	20.00
Copper	0.0100	0.0116	15.9	20.00
Nickel	0.0100	0.0115	14.6	20.00
Silver	0.00500	0.00519	3.9	20.00

* Values outside of QC limits

LOW-CONCENTRATION CALIBRATION VERIFICATION

SW-846 6010D

Laboratory: Pace New England
SDG: 23G1746
Client: NYDEC_TRC Engineers, Inc. - New York, NY
Project: 250 Water Street P-site CAT B - CO 147098
Calibration: 2300896
Laboratory ID: S090894-LCV4
Sequence: S090894
Standard ID: 2307649

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Arsenic	0.0100	0.0118	18.1	20.00

* Values outside of QC limits

LOW-CONCENTRATION CALIBRATION VERIFICATION

SW-846 6010D

Laboratory: Pace New England
SDG: 23G1746
Client: NYDEC_TRC Engineers, Inc. - New York, NY
Project: 250 Water Street P-site CAT B - CO 147098
Calibration: UNASSIGNED
Laboratory ID: S091220-LCV1
Sequence: S091220
Standard ID: 2305079

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Calcium	0.500	0.541	8.3	20.00
Iron	0.0500	0.0575	15.0	20.00
Magnesium	0.0500	0.0545	9.0	20.00
Selenium	0.0500	0.0529	5.7	20.00
Zinc	0.0100	0.0118	18.3	20.00

* Values outside of QC limits

FORM 3 - Blank Summary

SW-846 6010D

Laboratory:	Pace New England	Work Order:	23G1746
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	ICP3	Calibration:	2300896
Sequence:	S090911		

Lab Sample ID	Analyte	Found	Units	RL	C
S090911-CCB1	Aluminum		mg/L	0.50	U
	Antimony		mg/L	0.050	U
	Arsenic		mg/L	0.10	U
	Barium		mg/L	0.050	U
	Beryllium		mg/L	0.0050	U
	Cadmium		mg/L	0.010	U
	Calcium		mg/L	0.50	U
	Chromium		mg/L	0.020	U
	Cobalt		mg/L	0.050	U
	Copper	0.013	mg/L	0.020	
	Iron		mg/L	0.50	U
	Lead		mg/L	0.015	U
	Magnesium		mg/L	0.50	U
	Manganese		mg/L	0.010	U
	Nickel		mg/L	0.020	U
	Potassium		mg/L	5.0	U
	Selenium		mg/L	0.10	U
	Silver		mg/L	0.010	U
	Sodium		mg/L	5.0	U
	Thallium		mg/L	0.050	U
	Vanadium		mg/L	0.020	U
B346388-BLK1	Aluminum		mg/Kg wet	16	U
	Antimony		mg/Kg wet	1.6	U
	Arsenic		mg/Kg wet	3.2	U
	Barium		mg/Kg wet	1.6	U
	Beryllium		mg/Kg wet	0.16	U
	Cadmium		mg/Kg wet	0.32	U
	Calcium		mg/Kg wet	16	U
	Chromium		mg/Kg wet	0.65	U
	Cobalt		mg/Kg wet	1.6	U
	Copper	0.34	mg/Kg wet	0.65	J
	Iron		mg/Kg wet	16	U
	Lead		mg/Kg wet	0.49	U

FORM 3 - Blank Summary

SW-846 6010D

Laboratory:	Pace New England	Work Order:	23G1746
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	ICP3	Calibration:	2300896
Sequence:	S090911		

Lab Sample ID	Analyte	Found	Units	RL	C
B346388-BLK1	Magnesium		mg/Kg wet	16	U
	Manganese		mg/Kg wet	0.32	U
	Nickel		mg/Kg wet	0.65	U
	Potassium		mg/Kg wet	160	U
	Selenium		mg/Kg wet	3.2	U
	Silver		mg/Kg wet	0.32	U
	Sodium		mg/Kg wet	160	U
	Thallium		mg/Kg wet	1.6	U
	Vanadium		mg/Kg wet	0.65	U
S090911-CCB2	Aluminum		mg/L	0.50	U
	Antimony		mg/L	0.050	U
	Arsenic		mg/L	0.10	U
	Barium		mg/L	0.050	U
	Beryllium		mg/L	0.0050	U
	Cadmium		mg/L	0.010	U
	Calcium		mg/L	0.50	U
	Chromium		mg/L	0.020	U
	Cobalt		mg/L	0.050	U
	Copper	0.019	mg/L	0.020	
	Iron		mg/L	0.50	U
	Lead		mg/L	0.015	U
	Magnesium		mg/L	0.50	U
	Manganese		mg/L	0.010	U
	Nickel		mg/L	0.020	U
	Potassium		mg/L	5.0	U
	Selenium		mg/L	0.10	U
	Silver		mg/L	0.010	U
	Sodium		mg/L	5.0	U
	Thallium		mg/L	0.050	U
	Vanadium		mg/L	0.020	U
S090911-CCB3	Aluminum		mg/L	0.50	U
	Antimony		mg/L	0.050	U
	Arsenic		mg/L	0.10	U

FORM 3 - Blank Summary

SW-846 6010D

Laboratory:	Pace New England	Work Order:	23G1746
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	ICP3	Calibration:	2300896
Sequence:	S090911		

Lab Sample ID	Analyte	Found	Units	RL	C
S090911-CCB3	Barium		mg/L	0.050	U
	Beryllium		mg/L	0.0050	U
	Cadmium		mg/L	0.010	U
	Calcium		mg/L	0.50	U
	Chromium		mg/L	0.020	U
	Cobalt		mg/L	0.050	U
	Copper	0.015	mg/L	0.020	
	Iron		mg/L	0.50	U
	Lead		mg/L	0.015	U
	Magnesium		mg/L	0.50	U
	Manganese		mg/L	0.010	U
	Nickel		mg/L	0.020	U
	Potassium		mg/L	5.0	U
	Selenium		mg/L	0.10	U
	Silver		mg/L	0.010	U
	Sodium		mg/L	5.0	U
	Thallium		mg/L	0.050	U
	Vanadium		mg/L	0.020	U
S090911-CCB4	Aluminum		mg/L	0.50	U
	Antimony		mg/L	0.050	U
	Arsenic		mg/L	0.10	U
	Barium		mg/L	0.050	U
	Beryllium		mg/L	0.0050	U
	Cadmium		mg/L	0.010	U
	Calcium		mg/L	0.50	U
	Chromium		mg/L	0.020	U
	Cobalt		mg/L	0.050	U
	Iron		mg/L	0.50	U
	Lead		mg/L	0.015	U
	Magnesium		mg/L	0.50	U
	Manganese		mg/L	0.010	U
	Nickel		mg/L	0.020	U
	Potassium		mg/L	5.0	U

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 9014

Laboratory:	Pace New England	Work Order:	23G1746
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Soil	Preparation:	SW-846 9010C
Batch:	B346292	Laboratory ID:	B346292-BS1
Column:		Initial/Final:	1.0399 g / 50 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.		QC LIMITS REC.
Cyanide	126	94	74.9	*	80 - 120

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD % REC. #	% RPD #		QC LIMITS RPD	QC LIMITS REC.
Cyanide	128	150	118	46.3	*	20	80 - 120

Data Usability Summary Report

Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

205 Water St., Manhattan, NY
Pace/Con-test SDG#23G1751
December 6, 2023
Sampling date: 7/12/2023

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for TRC Engineers, Inc., project located at 205 Water St., Manhattan, NY, Pace/Con-test #23G1751 submitted to Vali-Data of WNY, LLC on October 10, 2023. This DUSR has been prepared in general compliance with USEPA National Functional Guidelines(NFG), NYSDEC; 'Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS)' (4/2023) and NYSDEC Analytical Services Protocols. The laboratory performed the analyses using the USEPA method Perfluorinated Hydrocarbons (1633 (12/2022)) and in accordance with wet chemistry methods.

ID	Sample ID	Laboratory ID
1	250WATERST-SB101-SS(2-4)	23G1751-01
2	250WATERST-SB101-SS(8-10)	23G1751-02
3	250WATERST-SB105-SS(2-4)	23G1751-03
4	250WATERST-SB105-SS(13-15)	23G1751-04

PFAA

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS)
- Surrogate Spike Recoveries
- Blanks
- Field Duplicate Sample Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Surrogate Spike Recoveries.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except several surrogates were outside QC limits in the samples and should be qualified as estimated. Associated target analytes in these samples should be qualified as estimated.

Surrogate	Qualifier	Associated Sample
D3-NMeFOSA (<10%)	R	1
D5-NEtFOSA (<10%)	R	1
D3-NMeFOSA	UJ	4
D5-NEtFOSA	UJ	4
13C8-PFOSA	UJ	1
13C2-PFTeDA	UJ	1
D7-NMeFOSE	UJ	1
D9-NEtFOSE	UJ	1

BLANKS
All the criteria were met except several target analytes were detected in S091252-IBL1. These target analytes were not detected in the associated samples, so no further action is required.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
No MS/MSD was acquired.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.

CONTINUING CALIBRATION
All criteria were met.

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

Draft Method 1633

Qualifications:

PF-18

Duplicate analysis confirmed Extracted Internal Standard failure due to matrix effects.

Analyte & Samples(s) Qualified:

D3-NMeFOSA
23G1751-01[250WATERST-SB101-SS(2-4)]

D5-NEtFOSA
23G1751-01[250WATERST-SB101-SS(2-4)]

N-ethyl perfluorooctanesulfonamide (NEtFOSA)
23G1751-01[250WATERST-SB101-SS(2-4)]

N-methyl perfluoroocatnesulfonamide (NMeFOSA)
23G1751-01[250WATERST-SB101-SS(2-4)]

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Meghan E. Kelley
Reporting Specialist

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A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water St., Manhattan, NY Sample Description: Work Order: 23G1751

Date Received: 7/13/2023

Field Sample #: 250WATERST-SB101-SS(2-4) Sampled: 7/12/2023 07:45

Sample ID: 23G1751-01

Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	0.34	0.79	0.14	µg/kg dry	1	J	Draft Method 1633	7/21/23	7/24/23 20:08	AMS
Perfluoropentanoic acid (PFPeA)	0.29	0.39	0.026	µg/kg dry	1	J	Draft Method 1633	7/21/23	7/24/23 20:08	AMS
Perfluorohexanoic acid (PFHxA)	0.25	0.20	0.013	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:08	AMS
Perfluoroheptanoic acid (PFHpA)	0.15	0.20	0.015	µg/kg dry	1	J	Draft Method 1633	7/21/23	7/24/23 20:08	AMS
Perfluorooctanoic acid (PFOA)	0.83	0.20	0.029	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:08	AMS
Perfluorononanoic acid (PFNA)	ND	0.20	0.026	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:08	AMS
Perfluorodecanoic acid (PFDA)	ND	0.20	0.018	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:08	AMS
Perfluoroundecanoic acid (PFUnA)	ND	0.20	0.020	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:08	AMS
Perfluorododecanoic acid (PFDoA)	ND	0.20	0.021	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:08	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	0.20	0.027	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:08	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	0.20	0.018	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:08	AMS
Perfluorobutanesulfonic acid (PFBS)	1.6	0.20	0.020	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:08	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	0.20	0.029	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:08	AMS
Perfluorohexanesulfonic acid (PFHxS)	0.34	0.20	0.025	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:08	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.20	0.022	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:08	AMS
Perfluorooctanesulfonic acid (PFOS)	0.19	0.20	0.035	µg/kg dry	1	J	Draft Method 1633	7/21/23	7/24/23 20:08	AMS
Perfluorononanesulfonic acid (PFNS)	ND	0.20	0.030	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:08	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	0.20	0.044	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:08	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	0.20	0.021	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:08	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	0.79	0.074	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:08	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	0.79	0.081	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:08	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	0.79	0.073	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:08	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	0.20	0.10	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:08	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	0.20	0.020	µg/kg dry	1	PF-18	Draft Method 1633	7/21/23	7/24/23 20:08	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.20	0.027	µg/kg dry	1	PF-18	Draft Method 1633	7/21/23	7/24/23 20:08	AMS
N-MeFOSAA (NMeFOSAA)	ND	0.20	0.028	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:08	AMS
N-EtFOSAA (NEtFOSAA)	ND	0.20	0.041	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:08	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	2.0	0.15	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:08	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	2.0	0.17	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:08	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	0.79	0.064	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:08	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	0.79	0.080	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:08	AMS
9Cl-PF3ONS (F53B Minor)	ND	0.79	0.076	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:08	AMS
11Cl-PF3OUdS (F53B Major)	ND	0.79	0.10	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:08	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	2.0	0.17	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:08	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	9.8	1.2	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:08	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	9.8	0.96	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:08	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	0.39	0.020	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:08	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	0.39	0.041	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:08	AMS

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water St., Manhattan, NY Sample Description: Work Order: 23G1751

Date Received: 7/13/2023

Field Sample #: 250WATERST-SB101-SS(2-4) Sampled: 7/12/2023 07:45

Sample ID: 23G1751-01

Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	0.39	0.031	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:08	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	0.39	0.040	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:08	AMS

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
13C4-PFBA	82.5		10-130		7/24/23 20:08
13C5-PFPeA	76.4		35-150		7/24/23 20:08
13C5-PFHxA	83.9		55-150		7/24/23 20:08
13C4-PFHpA	85.5		55-150		7/24/23 20:08
13C8-PFOA	83.0		60-140		7/24/23 20:08
13C9-PFNA	78.5		55-140		7/24/23 20:08
13C6-PFDA	81.2		50-140		7/24/23 20:08
13C7-PFUnA	80.1		30-140		7/24/23 20:08
13C2-PFDoA	76.0		10-150		7/24/23 20:08
13C2-PFTeDA	47.0		10-130		7/24/23 20:08
13C3-PFBS	82.1		55-150		7/24/23 20:08
13C3-PFHxS	83.5		55-150		7/24/23 20:08
13C8-PFOS	76.5		45-140		7/24/23 20:08
13C2-4:2FTS	84.9		60-200		7/24/23 20:08
13C2-6:2FTS	112		60-200		7/24/23 20:08
13C2-8:2FTS	110		50-200		7/24/23 20:08
13C8-PFOSA	35.7		30-130		7/24/23 20:08
D3-NMeFOSA	**8.81**	*	15-130	PF-18	7/24/23 20:08
D5-NEtFOSA	**5.98**	*	10-130	PF-18	7/24/23 20:08
D3-NMeFOSAA	62.2		45-200		7/24/23 20:08
D5-NEtFOSAA	64.3		10-200		7/24/23 20:08
D7-NMeFOSE	26.0		10-150		7/24/23 20:08
D9-NEtFOSE	24.0		10-150		7/24/23 20:08
13C3-HFPO-DA	82.2		25-160		7/24/23 20:08

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water St., Manhattan, NY Sample Description: Work Order: 23G1751

Date Received: 7/13/2023

Field Sample #: 250WATERST-SB101-SS(2-4) Sampled: 7/12/2023 07:45

Sample ID: 23G1751-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.6		% Wt	1		SM 2540G	7/14/23	7/14/23 8:24	ATP

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water St., Manhattan, NY Sample Description: Work Order: 23G1751

Date Received: 7/13/2023

Field Sample #: 250WATERST-SB101-SS(8-10) Sampled: 7/12/2023 08:00

Sample ID: 23G1751-02

Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	0.81	0.15	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:16	AMS
Perfluoropentanoic acid (PFPeA)	ND	0.41	0.026	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:16	AMS
Perfluorohexanoic acid (PFHxA)	ND	0.20	0.014	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:16	AMS
Perfluoroheptanoic acid (PFHpA)	ND	0.20	0.015	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:16	AMS
Perfluorooctanoic acid (PFOA)	ND	0.20	0.029	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:16	AMS
Perfluorononanoic acid (PFNA)	ND	0.20	0.026	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:16	AMS
Perfluorodecanoic acid (PFDA)	ND	0.20	0.019	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:16	AMS
Perfluoroundecanoic acid (PFUnA)	ND	0.20	0.021	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:16	AMS
Perfluorododecanoic acid (PFDoA)	ND	0.20	0.022	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:16	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	0.20	0.027	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:16	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	0.20	0.019	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:16	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	0.20	0.020	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:16	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	0.20	0.030	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:16	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	0.20	0.025	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:16	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.20	0.023	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:16	AMS
Perfluorooctanesulfonic acid (PFOS)	ND	0.20	0.036	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:16	AMS
Perfluorononanesulfonic acid (PFNS)	ND	0.20	0.030	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:16	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	0.20	0.046	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:16	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	0.20	0.022	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:16	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	0.81	0.076	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:16	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	0.81	0.083	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:16	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	0.81	0.075	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:16	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	0.20	0.11	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:16	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	0.20	0.021	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:16	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.20	0.028	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:16	AMS
N-MeFOSAA (NMeFOSAA)	ND	0.20	0.028	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:16	AMS
N-EtFOSAA (NEtFOSAA)	ND	0.20	0.043	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:16	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	2.0	0.16	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:16	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	2.0	0.17	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:16	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	0.81	0.066	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:16	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	0.81	0.082	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:16	AMS
9Cl-PF3ONS (F53B Minor)	ND	0.81	0.078	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:16	AMS
11Cl-PF3OUdS (F53B Major)	ND	0.81	0.11	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:16	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	2.0	0.17	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:16	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	10	1.2	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:16	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	10	0.99	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:16	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	0.41	0.020	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:16	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	0.41	0.043	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:16	AMS

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water St., Manhattan, NY Sample Description: Work Order: 23G1751

Date Received: 7/13/2023

Field Sample #: 250WATERST-SB101-SS(8-10) Sampled: 7/12/2023 08:00

Sample ID: 23G1751-02

Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	0.41	0.031	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:16	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	0.41	0.041	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:16	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C4-PFBA	95.6	10-130		7/29/23 5:16
13C5-PFPeA	93.7	35-150		7/29/23 5:16
13C5-PFHxA	95.1	55-150		7/29/23 5:16
13C4-PFHpA	89.2	55-150		7/29/23 5:16
13C8-PFOA	89.5	60-140		7/29/23 5:16
13C9-PFNA	91.0	55-140		7/29/23 5:16
13C6-PFDA	98.0	50-140		7/29/23 5:16
13C7-PFUnA	97.2	30-140		7/29/23 5:16
13C2-PFDoA	92.5	10-150		7/29/23 5:16
13C2-PFTeDA	95.3	10-130		7/29/23 5:16
13C3-PFBS	91.4	55-150		7/29/23 5:16
13C3-PFHxS	93.5	55-150		7/29/23 5:16
13C8-PFOS	95.7	45-140		7/29/23 5:16
13C2-4:2FTS	73.4	60-200		7/29/23 5:16
13C2-6:2FTS	88.0	60-200		7/29/23 5:16
13C2-8:2FTS	93.5	50-200		7/29/23 5:16
13C8-PFOSA	91.0	30-130		7/29/23 5:16
D3-NMeFOSA	68.0	15-130		7/29/23 5:16
D5-NEtFOSA	57.5	10-130		7/29/23 5:16
D3-NMeFOSAA	95.4	45-200		7/29/23 5:16
D5-NEtFOSAA	93.7	10-200		7/29/23 5:16
D7-NMeFOSE	85.6	10-150		7/29/23 5:16
D9-NEtFOSE	83.2	10-150		7/29/23 5:16
13C3-HFPO-DA	98.7	25-160		7/29/23 5:16

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water St., Manhattan, NY Sample Description: Work Order: 23G1751

Date Received: 7/13/2023

Field Sample #: 250WATERST-SB101-SS(8-10) Sampled: 7/12/2023 08:00

Sample ID: 23G1751-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.4		% Wt	1		SM 2540G	7/14/23	7/14/23 8:24	ATP

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water St., Manhattan, NY Sample Description: Work Order: 23G1751

Date Received: 7/13/2023

Field Sample #: 250WATERST-SB105-SS(2-4) Sampled: 7/12/2023 09:25

Sample ID: 23G1751-03

Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	0.81	0.15	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:31	AMS
Perfluoropentanoic acid (PFPeA)	0.10	0.40	0.026	µg/kg dry	1	J	Draft Method 1633	7/25/23	7/29/23 5:31	AMS
Perfluorohexanoic acid (PFHxA)	0.059	0.20	0.014	µg/kg dry	1	J	Draft Method 1633	7/25/23	7/29/23 5:31	AMS
Perfluoroheptanoic acid (PFHpA)	0.057	0.20	0.015	µg/kg dry	1	J	Draft Method 1633	7/25/23	7/29/23 5:31	AMS
Perfluorooctanoic acid (PFOA)	0.26	0.20	0.029	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:31	AMS
Perfluorononanoic acid (PFNA)	ND	0.20	0.026	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:31	AMS
Perfluorodecanoic acid (PFDA)	ND	0.20	0.019	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:31	AMS
Perfluoroundecanoic acid (PFUnA)	ND	0.20	0.021	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:31	AMS
Perfluorododecanoic acid (PFDoA)	ND	0.20	0.022	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:31	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	0.20	0.027	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:31	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	0.20	0.019	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:31	AMS
Perfluorobutanesulfonic acid (PFBS)	0.28	0.20	0.020	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:31	AMS
Perfluoropentanesulfonic acid (PFPeS)	0.063	0.20	0.030	µg/kg dry	1	J	Draft Method 1633	7/25/23	7/29/23 5:31	AMS
Perfluorohexanesulfonic acid (PFHxS)	0.13	0.20	0.025	µg/kg dry	1	J	Draft Method 1633	7/25/23	7/29/23 5:31	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.20	0.023	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:31	AMS
Perfluorooctanesulfonic acid (PFOS)	0.056	0.20	0.036	µg/kg dry	1	J	Draft Method 1633	7/25/23	7/29/23 5:31	AMS
Perfluorononanesulfonic acid (PFNS)	ND	0.20	0.030	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:31	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	0.20	0.045	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:31	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	0.20	0.022	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:31	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	0.81	0.076	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:31	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	0.81	0.083	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:31	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	0.81	0.075	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:31	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	0.20	0.11	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:31	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	0.20	0.021	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:31	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.20	0.028	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:31	AMS
N-MeFOSAA (NMeFOSAA)	ND	0.20	0.028	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:31	AMS
N-EtFOSAA (NEtFOSAA)	ND	0.20	0.043	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:31	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	2.0	0.16	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:31	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	2.0	0.17	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:31	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	0.81	0.066	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:31	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	0.81	0.082	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:31	AMS
9Cl-PF3ONS (F53B Minor)	ND	0.81	0.078	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:31	AMS
11Cl-PF3OUdS (F53B Major)	ND	0.81	0.11	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:31	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	2.0	0.17	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:31	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	10	1.2	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:31	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	10	0.99	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:31	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	0.40	0.020	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:31	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	0.40	0.043	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:31	AMS

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Project Location: 250 Water St., Manhattan, NY Sample Description: Work Order: 23G1751

Date Received: 7/13/2023

Field Sample #: 250WATERST-SB105-SS(2-4) Sampled: 7/12/2023 09:25

Sample ID: 23G1751-03

Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	0.40	0.031	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:31	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	0.40	0.041	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:31	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C4-PFBA	86.3	10-130		7/29/23 5:31
13C5-PFPeA	86.1	35-150		7/29/23 5:31
13C5-PFHxA	87.1	55-150		7/29/23 5:31
13C4-PFHpA	82.9	55-150		7/29/23 5:31
13C8-PFOA	89.7	60-140		7/29/23 5:31
13C9-PFNA	87.6	55-140		7/29/23 5:31
13C6-PFDA	92.5	50-140		7/29/23 5:31
13C7-PFUnA	94.5	30-140		7/29/23 5:31
13C2-PFDoA	90.4	10-150		7/29/23 5:31
13C2-PFTeDA	89.3	10-130		7/29/23 5:31
13C3-PFBS	80.4	55-150		7/29/23 5:31
13C3-PFHxS	84.9	55-150		7/29/23 5:31
13C8-PFOS	92.3	45-140		7/29/23 5:31
13C2-4:2FTS	64.6	60-200		7/29/23 5:31
13C2-6:2FTS	79.5	60-200		7/29/23 5:31
13C2-8:2FTS	90.5	50-200		7/29/23 5:31
13C8-PFOSA	81.8	30-130		7/29/23 5:31
D3-NMeFOSA	70.0	15-130		7/29/23 5:31
D5-NEtFOSA	62.1	10-130		7/29/23 5:31
D3-NMeFOSAA	70.1	45-200		7/29/23 5:31
D5-NEtFOSAA	79.3	10-200		7/29/23 5:31
D7-NMeFOSE	78.8	10-150		7/29/23 5:31
D9-NEtFOSE	84.2	10-150		7/29/23 5:31
13C3-HFPO-DA	91.1	25-160		7/29/23 5:31

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Project Location: 250 Water St., Manhattan, NY Sample Description: Work Order: 23G1751

Date Received: 7/13/2023

Field Sample #: 250WATERST-SB105-SS(2-4) Sampled: 7/12/2023 09:25

Sample ID: 23G1751-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.8		% Wt	1		SM 2540G	7/14/23	7/14/23 8:24	ATP

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water St., Manhattan, NY Sample Description: Work Order: 23G1751

Date Received: 7/13/2023

Field Sample #: 250WATERST-SB105-SS(13-15) Sampled: 7/12/2023 10:15

Sample ID: 23G1751-04

Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	0.80	0.14	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:55	AMS
Perfluoropentanoic acid (PFPeA)	0.029	0.40	0.026	µg/kg dry	1	J	Draft Method 1633	7/21/23	7/24/23 20:55	AMS
Perfluorohexanoic acid (PFHxA)	ND	0.20	0.014	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:55	AMS
Perfluoroheptanoic acid (PFHpA)	ND	0.20	0.015	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:55	AMS
Perfluorooctanoic acid (PFOA)	0.059	0.20	0.029	µg/kg dry	1	J	Draft Method 1633	7/21/23	7/24/23 20:55	AMS
Perfluorononanoic acid (PFNA)	ND	0.20	0.026	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:55	AMS
Perfluorodecanoic acid (PFDA)	ND	0.20	0.019	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:55	AMS
Perfluoroundecanoic acid (PFUnA)	ND	0.20	0.020	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:55	AMS
Perfluorododecanoic acid (PFDoA)	ND	0.20	0.022	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:55	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	0.20	0.027	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:55	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	0.20	0.018	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:55	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	0.20	0.020	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:55	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	0.20	0.030	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:55	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	0.20	0.025	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:55	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.20	0.022	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:55	AMS
Perfluorooctanesulfonic acid (PFOS)	ND	0.20	0.036	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:55	AMS
Perfluorononanesulfonic acid (PFNS)	ND	0.20	0.030	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:55	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	0.20	0.045	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:55	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	0.20	0.021	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:55	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	0.80	0.075	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:55	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	0.80	0.082	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:55	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	0.80	0.074	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:55	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	0.20	0.10	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:55	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	0.20	0.021	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:55	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.20	0.028	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:55	AMS
N-MeFOSAA (NMeFOSAA)	ND	0.20	0.028	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:55	AMS
N-EtFOSAA (NEtFOSAA)	ND	0.20	0.042	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:55	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	2.0	0.15	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:55	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	2.0	0.17	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:55	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	0.80	0.065	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:55	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	0.80	0.081	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:55	AMS
9Cl-PF3ONS (F53B Minor)	ND	0.80	0.077	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:55	AMS
11Cl-PF3OUdS (F53B Major)	ND	0.80	0.10	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:55	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	2.0	0.17	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:55	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	10	1.2	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:55	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	10	0.98	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:55	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	0.40	0.020	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:55	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	0.40	0.042	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:55	AMS

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Project Location: 250 Water St., Manhattan, NY Sample Description: Work Order: 23G1751

Date Received: 7/13/2023

Field Sample #: 250WATERST-SB105-SS(13-15) Sampled: 7/12/2023 10:15

Sample ID: 23G1751-04

Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	0.40	0.031	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:55	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	0.40	0.040	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 20:55	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C4-PFBA	88.4	10-130		7/24/23 20:55
13C5-PFPeA	86.6	35-150		7/24/23 20:55
13C5-PFHxA	90.1	55-150		7/24/23 20:55
13C4-PFHpA	88.3	55-150		7/24/23 20:55
13C8-PFOA	87.6	60-140		7/24/23 20:55
13C9-PFNA	83.5	55-140		7/24/23 20:55
13C6-PFDA	89.2	50-140		7/24/23 20:55
13C7-PFUnA	84.5	30-140		7/24/23 20:55
13C2-PFDoA	83.7	10-150		7/24/23 20:55
13C2-PFTeDA	77.6	10-130		7/24/23 20:55
13C3-PFBS	88.7	55-150		7/24/23 20:55
13C3-PFHxS	86.2	55-150		7/24/23 20:55
13C8-PFOS	86.1	45-140		7/24/23 20:55
13C2-4:2FTS	67.1	60-200		7/24/23 20:55
13C2-6:2FTS	79.2	60-200		7/24/23 20:55
13C2-8:2FTS	72.5	50-200		7/24/23 20:55
13C8-PFOSA	78.5	30-130		7/24/23 20:55
D3-NMeFOSA	49.2	15-130		7/24/23 20:55
D5-NEtFOSA	33.4	10-130		7/24/23 20:55
D3-NMeFOSAA	78.8	45-200		7/24/23 20:55
D5-NEtFOSAA	72.6	10-200		7/24/23 20:55
D7-NMeFOSE	66.5	10-150		7/24/23 20:55
D9-NEtFOSE	64.6	10-150		7/24/23 20:55
13C3-HFPO-DA	99.8	25-160		7/24/23 20:55

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Project Location: 250 Water St., Manhattan, NY Sample Description: Work Order: 23G1751

Date Received: 7/13/2023

Field Sample #: 250WATERST-SB105-SS(13-15) Sampled: 7/12/2023 10:15

Sample ID: 23G1751-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.7		% Wt	1		SM 2540G	7/14/23	7/14/23 8:24	ATP

Data Usability Summary Report

Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

205 Water St., Manhattan, NY
Pace/Con-test SDG#23G1820
December 6, 2023
Sampling date: 7/13/2023

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for TRC Engineers, Inc., project located at 205 Water St., Manhattan, NY, Pace/Con-test #23G1820 submitted to Vali-Data of WNY, LLC on October 10, 2023. This DUSR has been prepared in general compliance with USEPA National Functional Guidelines(NFG), NYSDEC; 'Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS)' (4/2023) and NYSDEC Analytical Services Protocols. The laboratory performed the analyses using the USEPA method Perfluorinated Hydrocarbons (1633 (12/2022)) and in accordance with wet chemistry methods.

ID	Sample ID	Laboratory ID
1	250WATERST-SB109-SO-(2-4)	23G1820-01
2	250WATERST-SB109-SO-(10-12)	23G1820-02
3	250WATERST-SB109-SO-(20-22)	23G1820-03
4	250WATERST-SB110-SO-(2-4)	23G1820-04
5	250WATERST-SS-DUP	23G1820-05

PFAA

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS)
- Surrogate Spike Recoveries
- Blanks
- Field Duplicate Sample Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Surrogate Spike Recoveries and Blanks.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except several surrogates were outside QC limits in the samples and should be qualified as estimated. Associated target analytes in these samples should be qualified as estimated.

Surrogate	Qualifier	Associated Sample
D3-NMeFOSA	UJ	1-4, 2MS, 4MS/MSD
D5-NEtFOSA	UJ	1-4, 2MS, 4MS/MSD
D9-NEtFOSE	UJ	2, 4

BLANKS
All the criteria were met except several target analytes were detected in S091252-IBL1. Many of these target analytes were not detected in the associated samples, so no further action is required.

Blank ID	Target Analyte	Concentration (ng/ml)	Qualifier	Associate Sample
S091252-IBL1	PFTeDA	.0356	U at RL	1, 5

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met except PFOA, PFDA, PFPeS and PFHxS were detected in DUSR ID#1 but were not detected in #5.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.

CONTINUING CALIBRATION
All criteria were met.

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Tod E. Kopyscinski
Laboratory Director

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23G1820

Date Received: 7/14/2023

Field Sample #: 250WATERST-SB109-SO-(2-4) Sampled: 7/13/2023 09:30

Sample ID: 23G1820-01

Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	0.79	0.14	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:47	AMS
Perfluoropentanoic acid (PFPeA)	0.045	0.40	0.026	µg/kg dry	1	J	Draft Method 1633	7/25/23	7/29/23 5:47	AMS
Perfluorohexanoic acid (PFHxA)	0.034	0.20	0.013	µg/kg dry	1	J	Draft Method 1633	7/25/23	7/29/23 5:47	AMS
Perfluoroheptanoic acid (PFHpA)	ND	0.20	0.015	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:47	AMS
Perfluorooctanoic acid (PFOA)	0.032	0.20	0.029	µg/kg dry	1	J	Draft Method 1633	7/25/23	7/29/23 5:47	AMS
Perfluorononanoic acid (PFNA)	ND	0.20	0.026	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:47	AMS
Perfluorodecanoic acid (PFDA)	0.041	0.20	0.018	µg/kg dry	1	J	Draft Method 1633	7/25/23	7/29/23 5:47	AMS
Perfluoroundecanoic acid (PFUnA)	ND	0.20	0.020	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:47	AMS
Perfluorododecanoic acid (PFDoA)	0.049	0.20	0.022	µg/kg dry	1	J	Draft Method 1633	7/25/23	7/29/23 5:47	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	0.20	0.027	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:47	AMS
Perfluorotetradecanoic acid (PFTeDA)	0.026	0.20	0.018	µg/kg dry	1	J	Draft Method 1633	7/25/23	7/29/23 5:47	AMS
Perfluorobutanesulfonic acid (PFBS)	0.12	0.20	0.020	µg/kg dry	1	J	Draft Method 1633	7/25/23	7/29/23 5:47	AMS
Perfluoropentanesulfonic acid (PFPeS)	0.031	0.20	0.029	µg/kg dry	1	J	Draft Method 1633	7/25/23	7/29/23 5:47	AMS
Perfluorohexanesulfonic acid (PFHxS)	0.045	0.20	0.025	µg/kg dry	1	J	Draft Method 1633	7/25/23	7/29/23 5:47	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.20	0.022	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:47	AMS
Perfluorooctanesulfonic acid (PFOS)	0.17	0.20	0.035	µg/kg dry	1	J	Draft Method 1633	7/25/23	7/29/23 5:47	AMS
Perfluorononanesulfonic acid (PFNS)	ND	0.20	0.030	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:47	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	0.20	0.044	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:47	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	0.20	0.021	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:47	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	0.79	0.074	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:47	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	0.79	0.081	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:47	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	0.79	0.074	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:47	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	0.20	0.10	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:47	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	0.20	0.020	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:47	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.20	0.028	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:47	AMS
N-MeFOSAA (NMeFOSAA)	ND	0.20	0.028	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:47	AMS
N-EtFOSAA (NEtFOSAA)	ND	0.20	0.042	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:47	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	2.0	0.15	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:47	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	2.0	0.17	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:47	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	0.79	0.065	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:47	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	0.79	0.080	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:47	AMS
9Cl-PF3ONS (F53B Minor)	ND	0.79	0.076	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:47	AMS
11Cl-PF3OUdS (F53B Major)	ND	0.79	0.10	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:47	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	2.0	0.17	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:47	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	9.9	1.2	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:47	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	9.9	0.97	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:47	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	0.40	0.020	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:47	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	0.40	0.042	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:47	AMS

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23G1820

Date Received: 7/14/2023

Field Sample #: 250WATERST-SB109-SO-(2-4) Sampled: 7/13/2023 09:30

Sample ID: 23G1820-01

Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	0.40	0.031	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:47	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	0.40	0.040	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 5:47	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C4-PFBA	99.5	10-130		7/29/23 5:47
13C5-PFPeA	98.1	35-150		7/29/23 5:47
13C5-PFHxA	97.1	55-150		7/29/23 5:47
13C4-PFHpA	94.3	55-150		7/29/23 5:47
13C8-PFOA	101	60-140		7/29/23 5:47
13C9-PFNA	96.5	55-140		7/29/23 5:47
13C6-PFDA	102	50-140		7/29/23 5:47
13C7-PFUnA	106	30-140		7/29/23 5:47
13C2-PFDoA	101	10-150		7/29/23 5:47
13C2-PFTeDA	105	10-130		7/29/23 5:47
13C3-PFBS	91.4	55-150		7/29/23 5:47
13C3-PFHxS	98.8	55-150		7/29/23 5:47
13C8-PFOS	96.7	45-140		7/29/23 5:47
13C2-4:2FTS	73.8	60-200		7/29/23 5:47
13C2-6:2FTS	91.7	60-200		7/29/23 5:47
13C2-8:2FTS	107	50-200		7/29/23 5:47
13C8-PFOSA	86.5	30-130		7/29/23 5:47
D3-NMeFOSA	36.1	15-130		7/29/23 5:47
D5-NEtFOSA	23.6	10-130		7/29/23 5:47
D3-NMeFOSAA	93.7	45-200		7/29/23 5:47
D5-NEtFOSAA	97.6	10-200		7/29/23 5:47
D7-NMeFOSE	63.8	10-150		7/29/23 5:47
D9-NEtFOSE	58.6	10-150		7/29/23 5:47
13C3-HFPO-DA	105	25-160		7/29/23 5:47

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23G1820

Date Received: 7/14/2023

Field Sample #: 250WATERST-SB109-SO-(2-4) Sampled: 7/13/2023 09:30

Sample ID: 23G1820-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.3		% Wt	1		SM 2540G	7/19/23	7/19/23 14:54	ADB

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23G1820

Date Received: 7/14/2023

Field Sample #: 250WATERST-SB109-SO-(10-12) Sampled: 7/13/2023 10:10

Sample ID: 23G1820-02

Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	0.80	0.14	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:34	AMS
Perfluoropentanoic acid (PFPeA)	ND	0.40	0.026	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:34	AMS
Perfluorohexanoic acid (PFHxA)	0.024	0.20	0.014	µg/kg dry	1	J	Draft Method 1633	7/25/23	7/29/23 6:34	AMS
Perfluoroheptanoic acid (PFHpA)	ND	0.20	0.015	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:34	AMS
Perfluorooctanoic acid (PFOA)	ND	0.20	0.029	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:34	AMS
Perfluorononanoic acid (PFNA)	ND	0.20	0.026	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:34	AMS
Perfluorodecanoic acid (PFDA)	ND	0.20	0.019	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:34	AMS
Perfluoroundecanoic acid (PFUnA)	ND	0.20	0.020	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:34	AMS
Perfluorododecanoic acid (PFDoA)	ND	0.20	0.022	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:34	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	0.20	0.027	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:34	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	0.20	0.018	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:34	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	0.20	0.020	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:34	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	0.20	0.030	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:34	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	0.20	0.025	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:34	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.20	0.022	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:34	AMS
Perfluorooctanesulfonic acid (PFOS)	0.057	0.20	0.036	µg/kg dry	1	J	Draft Method 1633	7/25/23	7/29/23 6:34	AMS
Perfluorononanesulfonic acid (PFNS)	ND	0.20	0.030	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:34	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	0.20	0.045	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:34	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	0.20	0.021	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:34	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	0.80	0.075	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:34	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	0.80	0.082	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:34	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	0.80	0.074	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:34	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	0.20	0.11	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:34	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	0.20	0.021	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:34	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.20	0.028	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:34	AMS
N-MeFOSAA (NMeFOSAA)	ND	0.20	0.028	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:34	AMS
N-EtFOSAA (NEtFOSAA)	ND	0.20	0.042	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:34	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	2.0	0.15	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:34	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	2.0	0.17	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:34	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	0.80	0.066	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:34	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	0.80	0.081	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:34	AMS
9Cl-PF3ONS (F53B Minor)	ND	0.80	0.077	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:34	AMS
11Cl-PF3OUdS (F53B Major)	ND	0.80	0.11	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:34	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	2.0	0.17	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:34	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	10	1.2	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:34	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	10	0.98	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:34	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	0.40	0.020	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:34	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	0.40	0.042	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:34	AMS

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23G1820

Date Received: 7/14/2023

Field Sample #: 250WATERST-SB109-SO-(10-12) Sampled: 7/13/2023 10:10

Sample ID: 23G1820-02

Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	0.40	0.031	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:34	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	0.40	0.041	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:34	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C4-PFBA	90.3	10-130		7/29/23 6:34
13C5-PFPeA	90.7	35-150		7/29/23 6:34
13C5-PFHxA	91.1	55-150		7/29/23 6:34
13C4-PFHpA	88.2	55-150		7/29/23 6:34
13C8-PFOA	86.9	60-140		7/29/23 6:34
13C9-PFNA	92.4	55-140		7/29/23 6:34
13C6-PFDA	91.4	50-140		7/29/23 6:34
13C7-PFUnA	93.7	30-140		7/29/23 6:34
13C2-PFDoA	92.2	10-150		7/29/23 6:34
13C2-PFTeDA	92.2	10-130		7/29/23 6:34
13C3-PFBS	87.3	55-150		7/29/23 6:34
13C3-PFHxS	91.2	55-150		7/29/23 6:34
13C8-PFOS	93.3	45-140		7/29/23 6:34
13C2-4:2FTS	78.7	60-200		7/29/23 6:34
13C2-6:2FTS	87.7	60-200		7/29/23 6:34
13C2-8:2FTS	106	50-200		7/29/23 6:34
13C8-PFOSA	83.8	30-130		7/29/23 6:34
D3-NMeFOSA	26.7	15-130		7/29/23 6:34
D5-NEtFOSA	16.0	10-130		7/29/23 6:34
D3-NMeFOSAA	91.3	45-200		7/29/23 6:34
D5-NEtFOSAA	92.4	10-200		7/29/23 6:34
D7-NMeFOSE	53.2	10-150		7/29/23 6:34
D9-NEtFOSE	47.4	10-150		7/29/23 6:34
13C3-HFPO-DA	94.4	25-160		7/29/23 6:34

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23G1820

Date Received: 7/14/2023

Field Sample #: 250WATERST-SB109-SO-(10-12) Sampled: 7/13/2023 10:10

Sample ID: 23G1820-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.1		% Wt	1		SM 2540G	7/19/23	7/19/23 14:54	ADB

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23G1820

Date Received: 7/14/2023

Field Sample #: 250WATERST-SB109-SO-(20-22) Sampled: 7/13/2023 10:30

Sample ID: 23G1820-03

Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	0.78	0.14	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:50	AMS
Perfluoropentanoic acid (PFPeA)	ND	0.39	0.025	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:50	AMS
Perfluorohexanoic acid (PFHxA)	ND	0.19	0.013	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:50	AMS
Perfluoroheptanoic acid (PFHpA)	ND	0.19	0.015	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:50	AMS
Perfluorooctanoic acid (PFOA)	ND	0.19	0.028	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:50	AMS
Perfluorononanoic acid (PFNA)	ND	0.19	0.025	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:50	AMS
Perfluorodecanoic acid (PFDA)	ND	0.19	0.018	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:50	AMS
Perfluoroundecanoic acid (PFUnA)	ND	0.19	0.020	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:50	AMS
Perfluorododecanoic acid (PFDoA)	ND	0.19	0.021	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:50	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	0.19	0.026	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:50	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	0.19	0.018	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:50	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	0.19	0.019	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:50	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	0.19	0.029	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:50	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	0.19	0.024	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:50	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.19	0.022	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:50	AMS
Perfluorooctanesulfonic acid (PFOS)	ND	0.19	0.035	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:50	AMS
Perfluorononanesulfonic acid (PFNS)	ND	0.19	0.029	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:50	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	0.19	0.044	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:50	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	0.19	0.021	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:50	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	0.78	0.073	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:50	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	0.78	0.080	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:50	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	0.78	0.072	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:50	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	0.19	0.10	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:50	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	0.19	0.020	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:50	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.19	0.027	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:50	AMS
N-MeFOSAA (NMeFOSAA)	ND	0.19	0.027	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:50	AMS
N-EtFOSAA (NEtFOSAA)	ND	0.19	0.041	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:50	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	1.9	0.15	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:50	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	1.9	0.17	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:50	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	0.78	0.064	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:50	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	0.78	0.079	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:50	AMS
9Cl-PF3ONS (F53B Minor)	ND	0.78	0.075	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:50	AMS
11Cl-PF3OUdS (F53B Major)	ND	0.78	0.10	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:50	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	1.9	0.16	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:50	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	9.7	1.2	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:50	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	9.7	0.95	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:50	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	0.39	0.019	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:50	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	0.39	0.041	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:50	AMS

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23G1820

Date Received: 7/14/2023

Field Sample #: 250WATERST-SB109-SO-(20-22) Sampled: 7/13/2023 10:30

Sample ID: 23G1820-03

Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	0.39	0.030	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:50	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	0.39	0.039	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 6:50	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C4-PFBA	90.4	10-130		7/29/23 6:50
13C5-PFPeA	90.9	35-150		7/29/23 6:50
13C5-PFHxA	91.7	55-150		7/29/23 6:50
13C4-PFHpA	85.8	55-150		7/29/23 6:50
13C8-PFOA	86.9	60-140		7/29/23 6:50
13C9-PFNA	91.9	55-140		7/29/23 6:50
13C6-PFDA	89.1	50-140		7/29/23 6:50
13C7-PFUnA	92.9	30-140		7/29/23 6:50
13C2-PFDoA	87.1	10-150		7/29/23 6:50
13C2-PFTeDA	90.8	10-130		7/29/23 6:50
13C3-PFBS	81.9	55-150		7/29/23 6:50
13C3-PFHxS	88.0	55-150		7/29/23 6:50
13C8-PFOS	89.7	45-140		7/29/23 6:50
13C2-4:2FTS	67.9	60-200		7/29/23 6:50
13C2-6:2FTS	86.7	60-200		7/29/23 6:50
13C2-8:2FTS	111	50-200		7/29/23 6:50
13C8-PFOSA	80.9	30-130		7/29/23 6:50
D3-NMeFOSA	46.7	15-130		7/29/23 6:50
D5-NEtFOSA	34.4	10-130		7/29/23 6:50
D3-NMeFOSAA	88.7	45-200		7/29/23 6:50
D5-NEtFOSAA	88.4	10-200		7/29/23 6:50
D7-NMeFOSE	59.1	10-150		7/29/23 6:50
D9-NEtFOSE	56.7	10-150		7/29/23 6:50
13C3-HFPO-DA	96.9	25-160		7/29/23 6:50

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23G1820

Date Received: 7/14/2023

Field Sample #: 250WATERST-SB109-SO-(20-22) Sampled: 7/13/2023 10:30

Sample ID: 23G1820-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.7		% Wt	1		SM 2540G	7/19/23	7/19/23 14:54	ADB

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23G1820

Date Received: 7/14/2023

Field Sample #: 250WATERST-SB110-SO-(2-4) Sampled: 7/13/2023 12:20

Sample ID: 23G1820-04

Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	0.78	0.14	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:06	AMS
Perfluoropentanoic acid (PFPeA)	ND	0.39	0.026	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:06	AMS
Perfluorohexanoic acid (PFHxA)	ND	0.20	0.013	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:06	AMS
Perfluoroheptanoic acid (PFHpA)	ND	0.20	0.015	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:06	AMS
Perfluorooctanoic acid (PFOA)	ND	0.20	0.028	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:06	AMS
Perfluorononanoic acid (PFNA)	ND	0.20	0.025	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:06	AMS
Perfluorodecanoic acid (PFDA)	ND	0.20	0.018	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:06	AMS
Perfluoroundecanoic acid (PFUnA)	ND	0.20	0.020	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:06	AMS
Perfluorododecanoic acid (PFDoA)	ND	0.20	0.021	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:06	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	0.20	0.026	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:06	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	0.20	0.018	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:06	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	0.20	0.019	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:06	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	0.20	0.029	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:06	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	0.20	0.024	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:06	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.20	0.022	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:06	AMS
Perfluorooctanesulfonic acid (PFOS)	ND	0.20	0.035	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:06	AMS
Perfluorononanesulfonic acid (PFNS)	ND	0.20	0.029	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:06	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	0.20	0.044	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:06	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	0.20	0.021	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:06	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	0.78	0.073	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:06	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	0.78	0.080	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:06	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	0.78	0.073	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:06	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	0.20	0.10	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:06	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	0.20	0.020	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:06	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.20	0.027	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:06	AMS
N-MeFOSAA (NMeFOSAA)	ND	0.20	0.027	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:06	AMS
N-EtFOSAA (NEtFOSAA)	ND	0.20	0.041	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:06	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	2.0	0.15	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:06	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	2.0	0.17	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:06	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	0.78	0.064	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:06	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	0.78	0.079	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:06	AMS
9Cl-PF3ONS (F53B Minor)	ND	0.78	0.075	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:06	AMS
11Cl-PF3OUdS (F53B Major)	ND	0.78	0.10	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:06	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	2.0	0.17	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:06	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	9.8	1.2	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:06	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	9.8	0.96	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:06	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	0.39	0.020	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:06	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	0.39	0.041	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:06	AMS

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23G1820

Date Received: 7/14/2023

Field Sample #: 250WATERST-SB110-SO-(2-4) Sampled: 7/13/2023 12:20

Sample ID: 23G1820-04

Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	0.39	0.030	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:06	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	0.39	0.040	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:06	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
13C4-PFBA	91.4	10-130		7/29/23	7:06
13C5-PFPeA	92.5	35-150		7/29/23	7:06
13C5-PFHxA	92.5	55-150		7/29/23	7:06
13C4-PFHpA	88.9	55-150		7/29/23	7:06
13C8-PFOA	85.8	60-140		7/29/23	7:06
13C9-PFNA	90.9	55-140		7/29/23	7:06
13C6-PFDA	92.6	50-140		7/29/23	7:06
13C7-PFUnA	95.5	30-140		7/29/23	7:06
13C2-PFDoA	92.9	10-150		7/29/23	7:06
13C2-PFTeDA	94.6	10-130		7/29/23	7:06
13C3-PFBS	84.7	55-150		7/29/23	7:06
13C3-PFHxS	91.4	55-150		7/29/23	7:06
13C8-PFOS	95.4	45-140		7/29/23	7:06
13C2-4:2FTS	71.3	60-200		7/29/23	7:06
13C2-6:2FTS	98.5	60-200		7/29/23	7:06
13C2-8:2FTS	115	50-200		7/29/23	7:06
13C8-PFOSA	80.0	30-130		7/29/23	7:06
D3-NMeFOSA	36.1	15-130		7/29/23	7:06
D5-NEtFOSA	19.8	10-130		7/29/23	7:06
D3-NMeFOSAA	87.5	45-200		7/29/23	7:06
D5-NEtFOSAA	84.6	10-200		7/29/23	7:06
D7-NMeFOSE	55.3	10-150		7/29/23	7:06
D9-NEtFOSE	46.8	10-150		7/29/23	7:06
13C3-HFPO-DA	97.6	25-160		7/29/23	7:06

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23G1820

Date Received: 7/14/2023

Field Sample #: 250WATERST-SB110-SO-(2-4) Sampled: 7/13/2023 12:20

Sample ID: 23G1820-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.7		% Wt	1		SM 2540G	7/19/23	7/19/23 14:54	ADB

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23G1820

Date Received: 7/14/2023

Field Sample #: 250WATERST-SS-DUP Sampled: 7/13/2023 00:00

Sample ID: 23G1820-05

Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	0.81	0.15	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:21	AMS
Perfluoropentanoic acid (PFPeA)	0.043	0.40	0.026	µg/kg dry	1	J	Draft Method 1633	7/25/23	7/29/23 7:21	AMS
Perfluorohexanoic acid (PFHxA)	0.020	0.20	0.014	µg/kg dry	1	J	Draft Method 1633	7/25/23	7/29/23 7:21	AMS
Perfluoroheptanoic acid (PFHpA)	ND	0.20	0.015	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:21	AMS
Perfluorooctanoic acid (PFOA)	ND	0.20	0.029	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:21	AMS
Perfluorononanoic acid (PFNA)	ND	0.20	0.026	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:21	AMS
Perfluorodecanoic acid (PFDA)	ND	0.20	0.019	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:21	AMS
Perfluoroundecanoic acid (PFUnA)	ND	0.20	0.021	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:21	AMS
Perfluorododecanoic acid (PFDoA)	0.040	0.20	0.022	µg/kg dry	1	J	Draft Method 1633	7/25/23	7/29/23 7:21	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	0.20	0.027	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:21	AMS
Perfluorotetradecanoic acid (PFTeDA)	0.023	0.20	0.019	µg/kg dry	1	J	Draft Method 1633	7/25/23	7/29/23 7:21	AMS
Perfluorobutanesulfonic acid (PFBS)	0.033	0.20	0.020	µg/kg dry	1	J	Draft Method 1633	7/25/23	7/29/23 7:21	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	0.20	0.030	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:21	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	0.20	0.025	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:21	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.20	0.023	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:21	AMS
Perfluorooctanesulfonic acid (PFOS)	0.082	0.20	0.036	µg/kg dry	1	J	Draft Method 1633	7/25/23	7/29/23 7:21	AMS
Perfluorononanesulfonic acid (PFNS)	ND	0.20	0.030	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:21	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	0.20	0.045	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:21	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	0.20	0.022	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:21	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	0.81	0.075	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:21	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	0.81	0.083	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:21	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	0.81	0.075	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:21	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	0.20	0.11	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:21	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	0.20	0.021	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:21	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.20	0.028	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:21	AMS
N-MeFOSAA (NMeFOSAA)	ND	0.20	0.028	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:21	AMS
N-EtFOSAA (NEtFOSAA)	ND	0.20	0.042	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:21	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	2.0	0.16	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:21	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	2.0	0.17	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:21	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	0.81	0.066	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:21	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	0.81	0.082	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:21	AMS
9Cl-PF3ONS (F53B Minor)	ND	0.81	0.078	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:21	AMS
11Cl-PF3OUdS (F53B Major)	ND	0.81	0.11	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:21	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	2.0	0.17	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:21	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	10	1.2	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:21	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	10	0.98	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:21	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	0.40	0.020	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:21	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	0.40	0.042	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:21	AMS

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23G1820

Date Received: 7/14/2023

Field Sample #: 250WATERST-SS-DUP Sampled: 7/13/2023 00:00

Sample ID: 23G1820-05

Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	0.40	0.031	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:21	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	0.40	0.041	µg/kg dry	1		Draft Method 1633	7/25/23	7/29/23 7:21	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C4-PFBA	90.2	10-130		7/29/23 7:21
13C5-PFPeA	88.8	35-150		7/29/23 7:21
13C5-PFHxA	90.1	55-150		7/29/23 7:21
13C4-PFHpA	85.1	55-150		7/29/23 7:21
13C8-PFOA	84.2	60-140		7/29/23 7:21
13C9-PFNA	89.3	55-140		7/29/23 7:21
13C6-PFDA	89.8	50-140		7/29/23 7:21
13C7-PFUnA	90.0	30-140		7/29/23 7:21
13C2-PFDoA	91.9	10-150		7/29/23 7:21
13C2-PFTeDA	93.1	10-130		7/29/23 7:21
13C3-PFBS	84.0	55-150		7/29/23 7:21
13C3-PFHxS	89.8	55-150		7/29/23 7:21
13C8-PFOS	86.3	45-140		7/29/23 7:21
13C2-4:2FTS	66.8	60-200		7/29/23 7:21
13C2-6:2FTS	82.7	60-200		7/29/23 7:21
13C2-8:2FTS	93.1	50-200		7/29/23 7:21
13C8-PFOSA	80.0	30-130		7/29/23 7:21
D3-NMeFOSA	65.4	15-130		7/29/23 7:21
D5-NEtFOSA	57.7	10-130		7/29/23 7:21
D3-NMeFOSAA	84.2	45-200		7/29/23 7:21
D5-NEtFOSAA	85.6	10-200		7/29/23 7:21
D7-NMeFOSE	77.3	10-150		7/29/23 7:21
D9-NEtFOSE	76.5	10-150		7/29/23 7:21
13C3-HFPO-DA	91.9	25-160		7/29/23 7:21

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23G1820

Date Received: 7/14/2023

Field Sample #: 250WATERST-SS-DUP Sampled: 7/13/2023 00:00

Sample ID: 23G1820-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.4		% Wt	1		SM 2540G	7/19/23	7/19/23 14:54	ADB

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B346886 - Draft Method 1633										
Matrix Spike (B346886-MS1)	**Source: 23G1820-02**			Prepared: 07/25/23 Analyzed: 07/29/23						
N-EtFOSAA (NEtFOSAA)	2.43	0.20	µg/kg dry	2.42	ND	100	59-146			
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	24.1	2.0	µg/kg dry	24.2	ND	99.4	71-136			
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	24.6	2.0	µg/kg dry	24.2	ND	102	69-137			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	9.30	0.81	µg/kg dry	9.68	ND	96.1	63-144			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	8.36	0.81	µg/kg dry	9.14	ND	91.5	68-146			
9Cl-PF3ONS (F53B Minor)	8.92	0.81	µg/kg dry	9.08	ND	98.2	56-156			
11Cl-PF3OUdS (F53B Major)	8.59	0.81	µg/kg dry	9.14	ND	94.0	46-156			
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	19.1	2.0	µg/kg dry	24.2	ND	78.9	62-129			
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	101	10	µg/kg dry	121	ND	83.2	63-134			
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	102	10	µg/kg dry	121	ND	84.1	50-138			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	4.39	0.40	µg/kg dry	4.31	ND	102	56-151			
Perfluoro-3-methoxypropanoic acid (PFMPA)	4.50	0.40	µg/kg dry	4.84	ND	92.9	51-145			
Perfluoro-4-methoxybutanoic acid (PFMBA)	4.69	0.40	µg/kg dry	4.84	ND	96.8	55-148			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	5.12	0.40	µg/kg dry	4.84	ND	106	48-161			
Surrogate: 13C4-PFBA	*8.94*		µg/kg dry	10.1		88.6	10-130			
Surrogate: 13C5-PFPeA	*4.41*		µg/kg dry	5.04		87.4	35-150			
Surrogate: 13C5-PFHxA	*2.23*		µg/kg dry	2.52		88.3	55-150			
Surrogate: 13C4-PFHpA	*2.16*		µg/kg dry	2.52		85.6	55-150			
Surrogate: 13C8-PFOA	*2.12*		µg/kg dry	2.52		84.1	60-140			
Surrogate: 13C9-PFNA	*1.10*		µg/kg dry	1.26		87.5	55-140			
Surrogate: 13C6-PFDA	*1.14*		µg/kg dry	1.26		90.4	50-140			
Surrogate: 13C7-PFUnA	*1.18*		µg/kg dry	1.26		93.3	30-140			
Surrogate: 13C2-PFDoA	*1.15*		µg/kg dry	1.26		90.9	10-150			
Surrogate: 13C2-PFTeDA	*1.08*		µg/kg dry	1.26		85.3	10-130			
Surrogate: 13C3-PFBS	*2.04*		µg/kg dry	2.52		81.0	55-150			
Surrogate: 13C3-PFHxS	*2.25*		µg/kg dry	2.52		89.4	55-150			
Surrogate: 13C8-PFOS	*2.24*		µg/kg dry	2.52		88.8	45-140			
Surrogate: 13C2-4:2FTS	*4.37*		µg/kg dry	5.04		86.6	60-200			
Surrogate: 13C2-6:2FTS	*4.50*		µg/kg dry	5.04		89.2	60-200			
Surrogate: 13C2-8:2FTS	*5.90*		µg/kg dry	5.04		117	50-200			
Surrogate: 13C8-PFOSA	*1.91*		µg/kg dry	2.52		75.7	30-130			
Surrogate: D3-NMeFOSA	*1.26*		µg/kg dry	2.52		49.9	15-130			
Surrogate: D5-NEtFOSA	*0.943*		µg/kg dry	2.52		37.4	10-130			
Surrogate: D3-NMeFOSAA	*4.22*		µg/kg dry	5.04		83.7	45-200			
Surrogate: D5-NEtFOSAA	*4.17*		µg/kg dry	5.04		82.7	10-200			
Surrogate: D7-NMeFOSE	*15.8*		µg/kg dry	25.2		62.7	10-150			
Surrogate: D9-NEtFOSE	*15.2*		µg/kg dry	25.2		60.2	10-150			
Surrogate: 13C3-HFPO-DA	*9.36*		µg/kg dry	10.1		92.8	25-160			
Matrix Spike (B346886-MS2)	**Source: 23G1820-04**			Prepared: 07/25/23 Analyzed: 07/29/23						
Perfluorobutanoic acid (PFBA)	9.89	0.81	µg/kg dry	9.66	ND	102	58-148			
Perfluoropentanoic acid (PFPeA)	4.91	0.40	µg/kg dry	4.83	ND	102	54-152			
Perfluorohexanoic acid (PFHxA)	2.49	0.20	µg/kg dry	2.42	ND	103	55-152			
Perfluoroheptanoic acid (PFHpA)	2.38	0.20	µg/kg dry	2.42	ND	98.7	54-154			
Perfluorooctanoic acid (PFOA)	2.41	0.20	µg/kg dry	2.42	ND	100	52-161			

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B346886 - Draft Method 1633										
Matrix Spike (B346886-MS2)	**Source: 23G1820-04**			Prepared: 07/25/23 Analyzed: 07/29/23						
Surrogate: 13C6-PFDA	*1.07*		µg/kg dry	1.26		85.2	50-140			
Surrogate: 13C7-PFUnA	*1.09*		µg/kg dry	1.26		86.9	30-140			
Surrogate: 13C2-PFDoA	*1.09*		µg/kg dry	1.26		86.3	10-150			
Surrogate: 13C2-PFTeDA	*1.08*		µg/kg dry	1.26		85.6	10-130			
Surrogate: 13C3-PFBS	*1.95*		µg/kg dry	2.52		77.4	55-150			
Surrogate: 13C3-PFHxS	*2.16*		µg/kg dry	2.52		85.9	55-150			
Surrogate: 13C8-PFOS	*2.11*		µg/kg dry	2.52		83.8	45-140			
Surrogate: 13C2-4:2FTS	*3.54*		µg/kg dry	5.03		70.3	60-200			
Surrogate: 13C2-6:2FTS	*4.89*		µg/kg dry	5.03		97.2	60-200			
Surrogate: 13C2-8:2FTS	*5.65*		µg/kg dry	5.03		112	50-200			
Surrogate: 13C8-PFOSA	*1.89*		µg/kg dry	2.52		75.2	30-130			
Surrogate: D3-NMeFOSA	*1.19*		µg/kg dry	2.52		47.3	15-130			
Surrogate: D5-NEtFOSA	*0.760*		µg/kg dry	2.52		30.2	10-130			
Surrogate: D3-NMeFOSAA	*4.05*		µg/kg dry	5.03		80.4	45-200			
Surrogate: D5-NEtFOSAA	*4.08*		µg/kg dry	5.03		81.1	10-200			
Surrogate: D7-NMeFOSE	*15.6*		µg/kg dry	25.2		61.9	10-150			
Surrogate: D9-NEtFOSE	*13.9*		µg/kg dry	25.2		55.3	10-150			
Surrogate: 13C3-HFPO-DA	*9.42*		µg/kg dry	10.1		93.6	25-160			
Matrix Spike Dup (B346886-MSD1)	**Source: 23G1820-02**			Prepared: 07/25/23 Analyzed: 07/29/23						
Perfluorobutanoic acid (PFBA)	9.66	0.79	µg/kg dry	9.53	ND	101	58-148	0.583	20	
Perfluoropentanoic acid (PFPeA)	4.77	0.40	µg/kg dry	4.77	ND	100	54-152	2.07	20	
Perfluorohexanoic acid (PFHxA)	2.32	0.20	µg/kg dry	2.38	0.0239	96.5	55-152	4.74	25	
Perfluoroheptanoic acid (PFHpA)	2.29	0.20	µg/kg dry	2.38	ND	96.2	54-154	3.99	25	
Perfluorooctanoic acid (PFOA)	2.41	0.20	µg/kg dry	2.38	ND	101	52-161	3.66	25	
Perfluorononanoic acid (PFNA)	2.33	0.20	µg/kg dry	2.38	ND	98.0	59-149	0.588	25	
Perfluorodecanoic acid (PFDA)	2.34	0.20	µg/kg dry	2.38	ND	98.1	52-147	5.73	25	
Perfluoroundecanoic acid (PFUnA)	2.38	0.20	µg/kg dry	2.38	ND	100	48-159	1.75	30	
Perfluorododecanoic acid (PFDoA)	2.36	0.20	µg/kg dry	2.38	ND	98.9	64-142	3.26	25	
Perfluorotridecanoic acid (PFTrDA)	2.31	0.20	µg/kg dry	2.38	ND	96.8	49-148	1.08	25	
Perfluorotetradecanoic acid (PFTeDA)	2.37	0.20	µg/kg dry	2.38	ND	99.5	47-161	1.62	25	
Perfluorobutanesulfonic acid (PFBS)	2.07	0.20	µg/kg dry	2.12	ND	97.9	62-144	3.47	20	
Perfluoropentanesulfonic acid (PFPeS)	2.11	0.20	µg/kg dry	2.24	ND	94.2	59-151	1.15	25	
Perfluorohexanesulfonic acid (PFHxS)	2.00	0.20	µg/kg dry	2.18	ND	91.9	57-146	5.25	25	
Perfluoroheptanesulfonic acid (PFHpS)	2.23	0.20	µg/kg dry	2.27	ND	98.1	55-152	2.43	25	
Perfluorooctanesulfonic acid (PFOS)	2.22	0.20	µg/kg dry	2.21	0.0568	97.7	58-149	1.29	20	
Perfluorononanesulfonic acid (PFNS)	2.23	0.20	µg/kg dry	2.29	ND	97.2	52-148	0.781	25	
Perfluorodecanesulfonic acid (PFDS)	2.28	0.20	µg/kg dry	2.30	ND	99.0	51-147	1.53	25	
Perfluorododecanesulfonic acid (PFDoS)	2.24	0.20	µg/kg dry	2.31	ND	96.7	36-145	8.96	30	
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	9.01	0.79	µg/kg dry	8.94	ND	101	67-146	1.94	25	
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	9.21	0.79	µg/kg dry	9.06	ND	102	61-151	1.45	30	
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	8.71	0.79	µg/kg dry	9.18	ND	95.0	63-152	8.95	30	
Perfluorooctanesulfonamide (PFOSA)	2.39	0.20	µg/kg dry	2.38	ND	100	61-148	1.61	20	
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	2.32	0.20	µg/kg dry	2.38	ND	97.5	63-145	3.42	25	
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	2.32	0.20	µg/kg dry	2.38	ND	97.5	65-139	0.880	25	
N-MeFOSAA (NMeFOSAA)	2.34	0.20	µg/kg dry	2.38	ND	98.2	58-144	3.82	25	
N-EtFOSAA (NEtFOSAA)	2.43	0.20	µg/kg dry	2.38	ND	102	59-146	0.0131	25	
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	23.8	2.0	µg/kg dry	23.8	ND	99.8	71-136	1.14	20	

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B346886 - Draft Method 1633										
Matrix Spike Dup (B346886-MSD2)		**Source: 23G1820-04**		Prepared: 07/25/23 Analyzed: 07/29/23						
Surrogate: 13C2-PFTeDA	*1.18*		µg/kg dry	1.27		93.2	10-130			
Surrogate: 13C3-PFBS	*2.11*		µg/kg dry	2.54		83.0	55-150			
Surrogate: 13C3-PFHxS	*2.29*		µg/kg dry	2.54		90.4	55-150			
Surrogate: 13C8-PFOS	*2.37*		µg/kg dry	2.54		93.6	45-140			
Surrogate: 13C2-4:2FTS	*3.80*		µg/kg dry	5.07		74.9	60-200			
Surrogate: 13C2-6:2FTS	*5.35*		µg/kg dry	5.07		105	60-200			
Surrogate: 13C2-8:2FTS	*5.99*		µg/kg dry	5.07		118	50-200			
Surrogate: 13C8-PFOSA	*2.08*		µg/kg dry	2.54		82.0	30-130			
Surrogate: D3-NMeFOSA	*1.11*		µg/kg dry	2.54		43.8	15-130			
Surrogate: D5-NEtFOSA	*0.673*		µg/kg dry	2.54		26.5	10-130			
Surrogate: D3-NMeFOSAA	*4.40*		µg/kg dry	5.07		86.7	45-200			
Surrogate: D5-NEtFOSAA	*4.59*		µg/kg dry	5.07		90.5	10-200			
Surrogate: D7-NMeFOSE	*16.4*		µg/kg dry	25.4		64.7	10-150			
Surrogate: D9-NEtFOSE	*14.2*		µg/kg dry	25.4		55.8	10-150			
Surrogate: 13C3-HFPO-DA	*9.54*		µg/kg dry	10.1		94.0	25-160			

1 - FORM I
ANALYSIS DATA SHEET

Instrument Blank

Laboratory:	Pace New England			Work Order:	23G1820
Client:	NYDEC_TRC Engineers, Inc. - New York, NY		Project:	250 Water Street P-site CAT B - CO 147098	
Matrix:	Soil	Laboratory ID:	S091252-IBL1	File ID:	IBL_1633_072823.d
Sampled:		Prepared:	07/28/23 00:00	Analyzed:	07/28/23 15:56
Solids:		Preparation:	B346886	Dilution:	
Batch:	S091252	Sequence:	S091252	Calibration:	2300917
Instrument:	QQQ5				
Column:	1				

CAS NO.	COMPOUND	CONC. (ng/mL)	MDL	RL	Q
375-22-4	Perfluorobutanoic acid (PFBA)		0.14	0.80	
2706-90-3	Perfluoropentanoic acid (PFPeA)		0.026	0.40	
307-24-4	Perfluorohexanoic acid (PFHxA)		0.014	0.20	
375-85-9	Perfluoroheptanoic acid (PFHpA)		0.015	0.20	
335-67-1	Perfluorooctanoic acid (PFOA)		0.029	0.20	
375-95-1	Perfluorononanoic acid (PFNA)		0.026	0.20	
335-76-2	Perfluorodecanoic acid (PFDA)		0.019	0.20	
2058-94-8	Perfluoroundecanoic acid (PFUnA)		0.020	0.20	
307-55-1	Perfluorododecanoic acid (PFDoA)		0.022	0.20	
72629-94-8	Perfluorotridecanoic acid (PFTrDA)		0.027	0.20	
376-06-7	Perfluorotetradecanoic acid (PFTeDA)	0.0356	0.018	0.20	
375-73-5	Perfluorobutanesulfonic acid (PFBS)		0.020	0.20	
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)		0.030	0.20	
355-46-4	Perfluorohexanesulfonic acid (PFHxS)		0.025	0.20	
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)		0.022	0.20	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)		0.036	0.20	
68259-12-1	Perfluorononanesulfonic acid (PFNS)		0.030	0.20	
335-77-3	Perfluorodecanesulfonic acid (PFDS)		0.045	0.20	
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	0.0240	0.021	0.20	
757124-72-4	1H,1H,2H,2H-Perfluorohexane sulfonic acid (		0.075	0.80	
27619-97-2	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6		0.082	0.80	
39108-34-4	1H,1H,2H,2H-Perfluorodecane sulfonic acid (		0.074	0.80	
754-91-6	Perfluorooctanesulfonamide (PFOSA)		0.10	0.20	
31506-32-8	N-methyl perfluoroocatnesulfonamide (NMeF		0.021	0.20	
4151-50-2	N-ethyl perfluorooctanesulfonamide (NEtFOS		0.028	0.20	
2355-31-9	N-MeFOSAA (NMeFOSAA)	0.0352	0.028	0.20	
2991-50-6	N-EtFOSAA (NEtFOSAA)		0.042	0.20	
24448-09-7	N-methylperfluorooctanesulfonamidoethanol(	0.245	0.15	2.0	
1691-99-2	N-ethylperfluorooctanesulfonamidoethanol (N	0.274	0.17	2.0	
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPC		0.065	0.80	

1 - FORM I
ANALYSIS DATA SHEET

Instrument Blank

Laboratory:	Pace New England			Work Order:	23G1820
Client:	NYDEC_TRC Engineers, Inc. - New York, NY		Project:	250 Water Street P-site CAT B - CO 147098	
Matrix:	Soil	Laboratory ID:	S091252-IBL1	File ID:	IBL_1633_072823.d
Sampled:		Prepared:	07/28/23 00:00	Analyzed:	07/28/23 15:56
Solids:		Preparation:	B346886	Dilution:	
Batch:	S091252	Sequence:	S091252	Calibration:	2300917
Instrument:	QQQ5				
Column:	1				

CAS NO.	COMPOUND	CONC. (ng/mL)	MDL	RL	Q
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADON/		0.081	0.80	
756426-58-1	9Cl-PF3ONS (F53B Minor)		0.077	0.80	
763051-92-9	11Cl-PF3OUdS (F53B Major)		0.10	0.80	
356-02-5	3-Perfluoropropyl propanoic acid (FPrPA)(3:3		0.17	2.0	
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)		1.2	10	
812-70-4	3-Perfluoroheptyl propanoic acid (FHpPA)(7:3	1.13	0.98	10	
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEE		0.020	0.40	
377-73-1	Perfluoro-3-methoxypropanoic acid (PFMPA)		0.042	0.40	
863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMBA)		0.031	0.40	
151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)		0.041	0.40	

Data Usability Summary Report

Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

250 Water St., Manhattan, NY
Pace/Con-Test Analytical Laboratory SDG#23G1822
December 8, 2023
Revised: February 5, 2024
Sampling date: 7/13/2023

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package (revised February 5, 2024) for TRC Engineers, Inc., project located at 250 Water St., Manhattan, NY, SDG#23G1822 submitted to Vali-Data of WNY, LLC on October 10, 2023. This DUSR has been prepared in general compliance with USEPA National Functional Guidelines(NFG) and NYSDEC Analytical Services Protocols. The laboratory performed the analyses using USEPA method Volatile Organics (8260D), Semi-Volatile Organics (8270E), Pesticide (8081B), PCB (8082A), Inorganics/Mercury (6010D, 7471B) and in accordance with wet chemistry methods.

ID	Sample ID	Laboratory ID
1	250WATERST-SB109-SO(2-4)	23G1822-01
2	250WATERST-SB109-SO(10-12)	23G1822-02
3	250WATERST-SB109-SO(20-22)	23G1822-03
4	250WATERST-SB110-SO(2-4)	23G1822-04
5	250WATERST-SS-DUP	23G1822-05

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Internal Standard (IS) Area Performance
-Surrogate Spike Recoveries
-Method Blank
-Field Duplicate Sample Precision
-Laboratory Control Samples
-MS/MSD
-Compound Quantitation
-Initial Calibration
-Continuing Calibration
-GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Laboratory Control Samples,

MS/MSD, Initial Calibration and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met except the %Rec of Bromomethane was outside QC limits, high in the laboratory control samples and should be qualified as estimated. This target analyte was not detected in the associated samples, so no further action is required.

MS/MSD
All criteria were met except several target analytes were outside QC limits, high in the matrix spikes and should be qualified as estimated. These target analytes were not detected in the associated samples, so no further action is required.
The RPD of a target analyte was outside QC limits in the matrix spikes and should be qualified as estimated.

Target Analyte	RPD #4MS/MSD	Qualifier	Associated Sample
Acetone	46.4	J	4

Some target analytes were outside laboratory QC but within NFG QC limits, so no further action is required.

Some target analytes were outside QC limits in the matrix spike or the matrix spike duplicate but not both, so no further action is required.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met except a target analyte was outside QC limit in the initial calibration and/or the initial calibration verification and should be qualified as estimated in the associated samples, blanks and spikes.

ICal/ICV ID	Target Analyte	%D/RRF	Qualifier	Associated Sample
ICal/ICV GCMSVOA7	1,4-Dioxane	RRF	UJ/J	B346144, B346242, 1-5, 2MS/MSD, 4MS/MSD
ICal/ICV GCMSVOA7	Bromodichloromethane	RRF	UJ/J	B346144, B346242, 1-5, 2MS/MSD, 4MS/MSD
ICal/ICV GCMSVOA7	1,1,2-Trichloroethane	RRF	UJ/J	B346144, B346242, 1-5, 2MS/MSD, 4MS/MSD
ICV GCMSVOA7	Acetone	46.1	UJ/J	B346144, B346242, 1-5, 2MS/MSD, 4MS/MSD
ICV GCMSVOA7	Carbon disulfide	35.4	UJ/J	B346144, B346242, 1-5, 2MS/MSD, 4MS/MSD
ICV GCMSVOA7	1,1-Dichloroethene	22.6	UJ/J	B346144, B346242, 1-5, 2MS/MSD, 4MS/MSD

CONTINUING CALIBRATION
All criteria were met except several target analytes were outside QC limits in the continuing calibrations and should be qualified as estimated in the associated samples, blanks and spikes.

Ccal ID	Target Analyte	%D/RRF	Qualifier	Associated Sample
S090591-CCV1	1,4-Dioxane	RRF	UJ/J	B346144, 1, 3, 5
S090591-CCV1	Bromodichloromethane	RRF	UJ/J	B346144, 1, 3, 5
S090591-CCV1	1,1,2-Trichloroethane	RRF	UJ/J	B346144, 1, 3, 5
S090591-CCV1	Bromomethane	38.1	UJ/J	B346144, 1, 3, 5
S090591-CCV1	1,1-Dichloroethene	20.2	UJ/J	B346144, 1, 3, 5
S090652-CCV1	1,4-Dioxane	RRF	UJ/J	B346242, 2, 4, 2MS/MSD, 4MS/MSD
S090652-CCV1	Bromodichloromethane	RRF	UJ/J	B346242, 2, 4, 2MS/MSD, 4MS/MSD

Ccal ID	Target Analyte	%D/RRF	Qualifier	Associated Sample
S090652-CCV1	1,1,2-Trichloroethane	RRF	UJ/J	B346242, 2, 4, 2MS/MSD, 4MS/MSD
S090652-CCV1	Bromomethane	45.0	UJ/J	B346242, 2, 4, 2MS/MSD, 4MS/MSD
S090652-CCV1	1,1-Dichloroethene	28.3	UJ/J	B346242, 2, 4, 2MS/MSD, 4MS/MSD
S090652-CCV1	Chloroethane	40.4	UJ/J	B346242, 2, 4, 2MS/MSD, 4MS/MSD

GC/MS PERFORMANCE CHECK
All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Method Blank, MS/MSD, Initial Calibration and Continuing Calibration.

Samples: DUSR ID#1 and #5 were diluted due to sample matrix.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met except several TICs were detected in the method blank and should be qualified in the associated samples in which they were detected.

Blank ID	TIC ID	Concentration (mg/kg)	Qualifier	Associated Sample
B347190	3-Penten-2-one, 4-methyl-	3.1	U	2, 4, 5
B347190	Butane, 2,2,3,3-Tetramethyl-	19	U	1-5
B347190	Friedean-3-one	15	U	3
B347190	Furan, 2,5-dimethyl-	2.1	U	3

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met except Anthracene and Dibenz(a,h)anthracene were detected in DUSR ID#1 but were not detected in #5.

LABORATORY CONTROL SAMPLES
All criteria were met except the %Rec of a couple of target analytes was outside QC limits, high in the laboratory control samples. These target analytes were not detected in the associated samples, so no further action is required.

MS/MSD
All criteria were met except several target analytes were outside QC limits in the matrix spikes and should be qualified as estimated.

Target Analyte	%Rec #2MS	%Rec #2MSD	RPD	Qualifier	Associated Sample
4-Chloroaniline	36.9	37.2	-	UJ	2
Hexachlorocyclopentadiene	0	0	-	R	2
Hexachloroethane	38.7	34.0	-	UJ	2
Caprolactam	-	-	32.7	UJ	2
4,6-Dinitro-2-methyphenol	-	28.6	110	UJ	2
2,4-Dinitrophenol	-	4.44	159	R	2

COMPOUND QUANTITATION

All criteria were met.

INITIAL CALIBRATION

All criteria were met except a couple of target analytes were outside QC limits in the initial calibration and or the initial calibration verification. These target analytes should be qualified as estimated in the associated blanks, samples and spikes.

Instrument ID	Target Analyte	%D/%RSD	Qualifier	Associated Sample
Ical GCMSSV4	2,4-Dinitrophenol	43.9	UJ/J	B347190, 1-5, 2MS/MSD
ICV GCMSSV4	Benzaldehyde	-43.1	UJ/J	B347190, 1-5, 2MS/MSD
ICV GCMSSV4	4,6-Dinitro-2-methylphenol	35.0	UJ/J	B347190, 1-5, 2MS/MSD

Alternate forms of regression were performed on some target analytes, with acceptable results except where noted above.

CONTINUING CALIBRATION

All criteria were met except several target analytes were outside QC limits in the continuing calibrations and should be qualified as estimated in the associated samples, blanks and spikes.

CCal ID	Target Analyte	RRF/%D	Qualifier	Associated Sample
S091250-CCV1	2,4-Dinitrophenol	71.0	UJ	B347190, 1-5, 2MS/MSD
S091250-CCV1	4,6-Dinitro-2-methylphenol	48.5	UJ	B347190, 1-5, 2MS/MSD
S091250-CCV1	2-Nitroaniline	26.8	UJ	B347190, 1-5, 2MS/MSD
S091250-CCV1	3-Nitroaniline	22.7	UJ	B347190, 1-5, 2MS/MSD
S091250-CCV1	2-Nitrophenol	26.6	UJ	B347190, 1-5, 2MS/MSD

Some target analytes were outside laboratory QC limits but within NFG QC limits, so no further action is required.

GC/MS PERFORMANCE CHECK
All criteria were met.

PESTICIDES

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in MS/MSD and Initial Calibration.

Samples: DUSR ID#1, #2, #4, #5, #2MS/MSD and #4MS/MSD were diluted due to sample matrix.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met except 4,4'-DDE was detected in DUSR ID#5 but was not detected in #1.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met except a target analyte was outside QC limits in the matrix spikes and should be qualified as estimated.

Target Analyte	%Rec #4MS	%Rec #4MSD	Qualifier	Associate Sample
Endrin aldehyde	0	112	UJ	4

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met except a target analyte was outside QC limits in the initial calibration verification and should be qualified as estimated in the associated samples, blanks and spikes.

ICal/ICV ID	Target Analyte	Column	%D	Qualifier	Associated Sample
ICV ECD6	Chlordane p2	1	30.4	UJ	B346416-BLK1, 1-5
ICV ECD6	Chlordane p1-5	2	various	UJ	B346416-BLK1

CONTINUING CALIBRATION
All criteria were met.
Some target analytes were outside laboratory QC limits but within NFG limits, so no further action is required.

PCB

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Initial Calibration.

Samples: DUSR ID#1-#5, #2MS/MSD and #4MS/MSD were diluted due to sample matrix.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met except several target analytes were outside QC limits in the initial calibration verification and should be qualified as estimated in the associated samples, blanks and spikes.

ICV Instrument ID	Target Analyte	Column	%D	Qualifier	Associated Sample
ECD10	Aroclor 1262 p2	1	-20.8	UJ	B346413-BLK1, 1-5
ECD10	Aroclor 1268 p4	1	40.4	UJ	B346413-BLK1, 1-5
ECD10	Aroclor 1268 p4	2	39.5	UJ	B346413-BLK1

CONTINUING CALIBRATION
All criteria were met.

METALS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Blanks
-Laboratory Control Sample
-MS/MSD/Duplicate
-Field Duplicate
-Serial Dilution
-Compound Quantitation
-Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the

procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Blanks, Laboratory Control Samples, MS/MSD/Dupicate and Calibration.

Samples: DUSR ID#1, #2, #4, #5, #2MS/MSD and #4MS/MSD were diluted due to high target analyte concentrations.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All criteria were met.

BLANKS
All criteria were met except several target analytes were detected in the blanks and should be qualified in the associated samples in which they were detected.

Blank ID	Target Analyte	Concentration	Qualifier	Associated Sample
B346824	Cu	.34mg/kg	JH	1-5
B346824	Zn	.82mg/kg	JH	1-5
S091193-CCB1	Cu	.0061mg/L	JH	2
S091193-CCB2	Cu	.0045mg/L	JH	2-5
S091193-CCB3	Cu	.0062mg/L	JH	3-5
S091193-CCB4	Cu	.0048mg/L	JH	1
S091193-CCB5	Cu	.0063mg/L	JH	1

LABORATORY CONTROL SAMPLE
All criteria were met except a target analyte was outside QC limits in the laboratory control samples and should be qualified as estimated.

LCS ID	Target Analyte	%Rec LCS	%Rec LCSD	Qualifier	Associated Sample
B346824	Sb	68.7	66.4	UJ/J	1-5

MS/MSD/DUPLICATE
All criteria were met except several target analytes were outside QC limits in the matrix spikes and should be qualified as estimated.

Target Analyte	%Rec #2MS	%Rec #2MSD	RPD	Qualifier	Associated Sample
Sb	32.3	33.1	-	UJ	2
Cu	-	479	65.8	J	2

Target Analyte	%Rec #4MS	%Rec #4MSD	RPD	Qualifier	Associated Sample
Sb	11.2	11.5	-	UJ	4
Na	72.2	32.2	-	J	4
Ba	2.66	46.0	-	J	4
Hg	23.7	103	110	J	4

Some target analytes were outside QC limits in the matrix spike or the matrix spike duplicate but not both, so no further action is required.

FIELD DUPLICATE
All criteria were met except Sb was detected in DUSR ID#5 but was not detected in #1.

SERIAL DILUTION
No serial dilution was performed.

COMPOUND QUANTITATION
All criteria were met.

CALIBRATION
All criteria were met except the %Rec of several target analytes was outside QC limits in the Low-Concentration Calibration Verification. These target analytes should be qualified as estimated in the associated samples, blanks and spikes.

Calibration ID	Target Analyte	%D or %Rec	Qualifier	Associated Sample
S091174-LCV1	Sb	-11.6	UJ	2, 4
S091174-LCV1	Ba	12.0	J	2, 4

GENERAL CHEMISTRY

The following items/criteria were reviewed for this analytical suite:

- Cyanide
- %Solids

The items listed above were technically in compliance with the method and SOP criteria with any exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below.

CYANIDE
All criteria were met except the %Rec of B346292-BS1 and the RPD between B346292-BS1 and B346292-BSD1 were outside QC limits and should be qualified as estimated. Cyanide should be qualified as estimated in DUSR ID#1-3.
The %Rec of Cn was outside QC limits, low in DUSR ID#2MS/MSD and should be qualified as estimate. Cyanide should be qualified as estimated in DUSR ID#2.

%SOLIDS
All criteria were met.

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NYDEC_TRC Engineers, Inc. - New York, NY
1430 Broadway 10th Floor
New York, NY 10018
ATTN: Lindsay O'Hara

REPORT DATE: 7/31/2023

PURCHASE ORDER NUMBER: 147098

PROJECT NUMBER: 231127

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23G1822

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: 250 Water Street, Manhattan, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
250WATERST-SB109-SO-(2-4)	23G1822-01	Soil		SM 2540G	
				SW-846 6010D	
				SW-846 7471B	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260D	
				SW-846 8270E	
				SW-846 9014	
250WATERST-SB109-SO-(10-12)	23G1822-02	Soil		SM 2540G	
				SW-846 6010D	
				SW-846 7471B	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260D	
				SW-846 8270E	
				SW-846 9014	
250WATERST-SB109-SO-(20-22)	23G1822-03	Soil		SM 2540G	
				SW-846 6010D	
				SW-846 7471B	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260D	
				SW-846 8270E	
				SW-846 9014	
250WATERST-SB110-SO-(2-4)	23G1822-04	Soil		SM 2540G	
				SW-846 6010D	
				SW-846 7471B	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260D	
				SW-846 8270E	
				SW-846 9014	
250WATERST-SS-DUP	23G1822-05	Soil		SM 2540G	
				SW-846 6010D	
				SW-846 7471B	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260D	
				SW-846 8270E	
				SW-846 9014	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

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SW-846 6010D

Qualifications:

B

Analyte is found in the associated laboratory blank as well as in the sample.

Analyte & Samples(s) Qualified:

Zinc

23G1822-01[250WATERST-SB109-SO-(2-4)], 23G1822-02[250WATERST-SB109-SO-(10-12)], 23G1822-03[250WATERST-SB109-SO-(20-22)], 23G1822-04[250WATERST-SB110-SO-(2-4)], 23G1822-05[250WATERST-SS-DUP], B346824-BS1, B346824-BSD1, B346824-MS1, B346824-MS2, B346824-MSD1, B346824-MSD2

B-07

Data is not affected by elevated level in laboratory blank since sample result is >10x level found in the blank.

Analyte & Samples(s) Qualified:

Zinc

23G1822-01[250WATERST-SB109-SO-(2-4)], 23G1822-02[250WATERST-SB109-SO-(10-12)], 23G1822-03[250WATERST-SB109-SO-(20-22)], 23G1822-04[250WATERST-SB110-SO-(2-4)], 23G1822-05[250WATERST-SS-DUP], B346824-BLK1

MS-07A

Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.

Analyte & Samples(s) Qualified:

Antimony

23G1822-02[250WATERST-SB109-SO-(10-12)], B346824-MS3, B346824-MSD3

Barium

B346824-MS4, B346824-MSD4

Sodium

23G1822-04[250WATERST-SB110-SO-(2-4)], B346824-MS4, B346824-MSD4

MS-19

Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.

Analyte & Samples(s) Qualified:

Aluminum

23G1822-02[250WATERST-SB109-SO-(10-12)], 23G1822-04[250WATERST-SB110-SO-(2-4)], B346824-MS1, B346824-MS2, B346824-MSD1, B346824-MSD2

Calcium

23G1822-02[250WATERST-SB109-SO-(10-12)], 23G1822-04[250WATERST-SB110-SO-(2-4)], B346824-MS5, B346824-MS6, B346824-MSD5, B346824-MSD6

Iron

23G1822-02[250WATERST-SB109-SO-(10-12)], 23G1822-04[250WATERST-SB110-SO-(2-4)], B346824-MS3, B346824-MS4, B346824-MSD3, B346824-MSD4

Lead

23G1822-02[250WATERST-SB109-SO-(10-12)], B346824-MS1, B346824-MSD1

Magnesium

23G1822-02[250WATERST-SB109-SO-(10-12)], 23G1822-04[250WATERST-SB110-SO-(2-4)], B346824-MS1, B346824-MS6, B346824-MSD1, B346824-MSD6

Manganese

23G1822-02[250WATERST-SB109-SO-(10-12)], 23G1822-04[250WATERST-SB110-SO-(2-4)], B346824-MS1, B346824-MS2, B346824-MSD1, B346824-MSD2

Potassium

23G1822-04[250WATERST-SB110-SO-(2-4)], B346824-MS2, B346824-MSD2

MS-22

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.

Analyte & Samples(s) Qualified:

Barium

B346824-MSD3

Copper

B346824-MSD3, B346824-MSD4

Selenium

B346824-MS2, B346824-MSD1

Sodium

B346824-MSD3

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Z-01

MS and MSD recoveries are outside of control limits. RPD between the two MS/MSD results is within method specified criteria. Possiblity of non-homogeneous sample cannot be eliminated. Post spike recovery is 82.8%

Analyte & Samples(s) Qualified:

Antimony

B346824-MS4, B346824-MSD4, B346824-PS4

SW-846 7471B

Qualifications:

MS-07

Matrix spike recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery.Possibility of sample matrix effects that lead to low bias for reported result or non-homogeneous sample aliquot cannot be eliminated.

Analyte & Samples(s) Qualified:

Mercury

B347347-MS2, B347347-MSD2

SW-846 8081B

Qualifications:

DL-03

Elevated reporting limit due to matrix.

Analyte & Samples(s) Qualified:

23G1822-01[250WATERST-SB109-SO-(2-4)], 23G1822-01RE1[250WATERST-SB109-SO-(2-4)], 23G1822-02[250WATERST-SB109-SO-(10-12)], 23G1822-02RE1[250WATERST-SB109-SO-(10-12)], 23G1822-04[250WATERST-SB110-SO-(2-4)], 23G1822-04RE1[250WATERST-SB110-SO-(2-4)], 23G1822-05[250WATERST-SS-DUP], 23G1822-05RE1[250WATERST-SS-DUP]

S-01

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

Analyte & Samples(s) Qualified:

Decachlorobiphenyl

23G1822-01[250WATERST-SB109-SO-(2-4)], 23G1822-05[250WATERST-SS-DUP]

Decachlorobiphenyl [2C]

23G1822-01[250WATERST-SB109-SO-(2-4)], 23G1822-05[250WATERST-SS-DUP]

Tetrachloro-m-xylene

23G1822-01[250WATERST-SB109-SO-(2-4)], 23G1822-05[250WATERST-SS-DUP]

Tetrachloro-m-xylene [2C]

23G1822-01[250WATERST-SB109-SO-(2-4)], 23G1822-05[250WATERST-SS-DUP]

V-06

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

Analyte & Samples(s) Qualified:

4,4'-DDT [2C]

B346416-MS1, B346416-MS2, B346416-MSD1, B346416-MSD2

SW-846 8260D

Qualifications:

L-02

Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.

Analyte & Samples(s) Qualified:

Bromomethane

B346144-BS1, B346144-BSD1, B346242-BS1, B346242-BSD1

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

Chloroethane

B346242-BSD1

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MS-15

Matrix spike and matrix spike duplicate recoveries are outside of control limits. Data validation is not affected since results for this compound in this sample are "not detected", and recovery bias is on the high side.

Analyte & Samples(s) Qualified:

1,1,1-Trichloroethane
B346242-MS2, B346242-MSD2

1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)
B346242-MS1, B346242-MS2, B346242-MSD1, B346242-MSD2

1,1-Dichloroethylene
B346242-MS1, B346242-MS2, B346242-MSD1, B346242-MSD2

4-Methyl-2-pentanone (MIBK)
B346242-MS2, B346242-MSD2

Bromochloromethane
B346242-MS2, B346242-MSD2

Carbon Disulfide
B346242-MS1, B346242-MS2, B346242-MSD1, B346242-MSD2

Chloroethane
B346242-MS1, B346242-MS2, B346242-MSD1, B346242-MSD2

cis-1,2-Dichloroethylene
B346242-MS2, B346242-MSD2

Dichlorodifluoromethane (Freon 12)
B346242-MS1, B346242-MSD1

trans-1,2-Dichloroethylene
B346242-MS2, B346242-MSD2

Trichlorofluoromethane (Freon 11)
B346242-MS1, B346242-MS2, B346242-MSD1, B346242-MSD2

Vinyl Chloride
B346242-MS1, B346242-MSD1

MS-23

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is outside of the method specified criteria. Reduced precision anticipated for any reported result for this compound.

Analyte & Samples(s) Qualified:

Acetone
B346242-MSD2

MS-24

Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Analysis is in control based on laboratory fortified blank recovery.

Analyte & Samples(s) Qualified:

1,1,1-Trichloroethane
B346242-MSD1

1,1-Dichloroethane
B346242-MSD1, B346242-MSD2

1,2-Dibromo-3-chloropropane (DBCP)
B346242-MS2

2-Butanone (MEK)
B346242-MSD2

2-Hexanone (MBK)
B346242-MSD2

Bromochloromethane
B346242-MSD1

cis-1,2-Dichloroethylene
B346242-MSD1

trans-1,2-Dichloroethylene
B346242-MSD1

Vinyl Chloride
B346242-MSD2

V-06

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

Analyte & Samples(s) Qualified:

Acetone
23G1822-02[250WATERST-SB109-SO-(10-12)], 23G1822-04[250WATERST-SB110-SO-(2-4)], S090652-CCV1

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V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

1,1-Dichloroethylene
S090652-CCV1

Bromomethane
B346144-BS1, B346144-BSD1, S090591-CCV1, S090652-CCV1

Chloroethane
B346144-BS1, B346144-BSD1, S090591-CCV1, S090652-CCV1

Chloromethane
S090652-CCV1

Trichlorofluoromethane (Freon 11)
S090652-CCV1

Vinyl Chloride
S090652-CCV1

V-35

Initial calibration verification (ICV) did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

Acetone
23G1822-02[250WATERST-SB109-SO-(10-12)], 23G1822-04[250WATERST-SB110-SO-(2-4)], B346242-BLK1, B346242-BS1, B346242-BSD1, B346242-MS1, B346242-MS2, B346242-MSD1, B346242-MSD2, S090652-CCV1

SW-846 8270E

Qualifications:

B

Analyte is found in the associated laboratory blank as well as in the sample.

Analyte & Samples(s) Qualified:

3-Penten-2-one, 4-methyl-
23G1822-02[250WATERST-SB109-SO-(10-12)], 23G1822-04[250WATERST-SB110-SO-(2-4)], 23G1822-05[250WATERST-SS-DUP], B347190-BLK1

Butane, 2,2,3,3-tetramethyl-
23G1822-01[250WATERST-SB109-SO-(2-4)], 23G1822-02[250WATERST-SB109-SO-(10-12)], 23G1822-03[250WATERST-SB109-SO-(20-22)], 23G1822-04[250WATERST-SB110-SO-(2-4)], 23G1822-05[250WATERST-SS-DUP], B347190-BLK1

Friedelan-3-one
23G1822-03[250WATERST-SB109-SO-(20-22)], B347190-BLK1

Furan, 2,5-dimethyl-
23G1822-03[250WATERST-SB109-SO-(20-22)], B347190-BLK1

L-04

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol
23G1822-01[250WATERST-SB109-SO-(2-4)], 23G1822-02[250WATERST-SB109-SO-(10-12)], 23G1822-03[250WATERST-SB109-SO-(20-22)], 23G1822-04[250WATERST-SB110-SO-(2-4)], 23G1822-05[250WATERST-SS-DUP], B347190-BLK1, B347190-BS1, B347190-BSD1

4,6-Dinitro-2-methylphenol
23G1822-01[250WATERST-SB109-SO-(2-4)], 23G1822-02[250WATERST-SB109-SO-(10-12)], 23G1822-03[250WATERST-SB109-SO-(20-22)], 23G1822-04[250WATERST-SB110-SO-(2-4)], 23G1822-05[250WATERST-SS-DUP], B347190-BLK1, B347190-BS1, B347190-BSD1

MS-07A

Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.

Analyte & Samples(s) Qualified:

4-Chloroaniline
B347190-MS1, B347190-MSD1

Hexachlorocyclopentadiene
B347190-MS1, B347190-MSD1

Hexachloroethane
B347190-MS1, B347190-MSD1

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MS-23

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is outside of the method specified criteria. Reduced precision anticipated for any reported result for this compound.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol
B347190-MSD1

4,6-Dinitro-2-methylphenol
B347190-MSD1

R-06

Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol
23G1822-02[250WATERST-SB109-SO-(10-12)], B347190-MS1

4,6-Dinitro-2-methylphenol
23G1822-02[250WATERST-SB109-SO-(10-12)], B347190-MS1

Caprolactam
23G1822-02[250WATERST-SB109-SO-(10-12)], B347190-MS1, B347190-MSD1

RL-12

Elevated reporting limit due to matrix interference.

Analyte & Samples(s) Qualified:

1,4-Dioxane
23G1822-01[250WATERST-SB109-SO-(2-4)], 23G1822-05[250WATERST-SS-DUP]

V-04

Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Reported result is estimated.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol
23G1822-01[250WATERST-SB109-SO-(2-4)], 23G1822-02[250WATERST-SB109-SO-(10-12)], 23G1822-03[250WATERST-SB109-SO-(20-22)], 23G1822-04[250WATERST-SB110-SO-(2-4)], 23G1822-05[250WATERST-SS-DUP], B347190-BLK1, B347190-BS1, B347190-BSD1, B347190-MS1, B347190-MSD1, S091250-CCV1

4,6-Dinitro-2-methylphenol
23G1822-01[250WATERST-SB109-SO-(2-4)], 23G1822-02[250WATERST-SB109-SO-(10-12)], 23G1822-03[250WATERST-SB109-SO-(20-22)], 23G1822-04[250WATERST-SB110-SO-(2-4)], 23G1822-05[250WATERST-SS-DUP], B347190-BLK1, B347190-BS1, B347190-BSD1, B347190-MS1, B347190-MSD1, S091250-CCV1

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V-06

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol
23G1822-01[250WATERST-SB109-SO-(2-4)], 23G1822-02[250WATERST-SB109-SO-(10-12)], 23G1822-03[250WATERST-SB109-SO-(20-22)], 23G1822-04[250WATERST-SB110-SO-(2-4)], 23G1822-05[250WATERST-SS-DUP], B347190-BLK1, B347190-BS1, B347190-BSD1, B347190-MS1, B347190-MSD1, S091250-CCV1

2-Nitroaniline
23G1822-01[250WATERST-SB109-SO-(2-4)], 23G1822-02[250WATERST-SB109-SO-(10-12)], 23G1822-03[250WATERST-SB109-SO-(20-22)], 23G1822-04[250WATERST-SB110-SO-(2-4)], 23G1822-05[250WATERST-SS-DUP], B347190-BLK1, B347190-BS1, B347190-BSD1, B347190-MS1, B347190-MSD1, S091250-CCV1

2-Nitrophenol
23G1822-01[250WATERST-SB109-SO-(2-4)], 23G1822-02[250WATERST-SB109-SO-(10-12)], 23G1822-03[250WATERST-SB109-SO-(20-22)], 23G1822-04[250WATERST-SB110-SO-(2-4)], 23G1822-05[250WATERST-SS-DUP], B347190-BLK1, B347190-BS1, B347190-BSD1, B347190-MS1, B347190-MSD1, S091250-CCV1

3,3-Dichlorobenzidine
23G1822-01[250WATERST-SB109-SO-(2-4)], 23G1822-02[250WATERST-SB109-SO-(10-12)], 23G1822-03[250WATERST-SB109-SO-(20-22)], 23G1822-04[250WATERST-SB110-SO-(2-4)], 23G1822-05[250WATERST-SS-DUP], B347190-BLK1, B347190-BS1, B347190-BSD1, B347190-MS1, B347190-MSD1, S091250-CCV1

3-Nitroaniline
23G1822-01[250WATERST-SB109-SO-(2-4)], 23G1822-02[250WATERST-SB109-SO-(10-12)], 23G1822-03[250WATERST-SB109-SO-(20-22)], 23G1822-04[250WATERST-SB110-SO-(2-4)], 23G1822-05[250WATERST-SS-DUP], B347190-BLK1, B347190-BS1, B347190-BSD1, B347190-MS1, B347190-MSD1, S091250-CCV1

4,6-Dinitro-2-methylphenol
23G1822-01[250WATERST-SB109-SO-(2-4)], 23G1822-02[250WATERST-SB109-SO-(10-12)], 23G1822-03[250WATERST-SB109-SO-(20-22)], 23G1822-04[250WATERST-SB110-SO-(2-4)], 23G1822-05[250WATERST-SS-DUP], B347190-BLK1, B347190-BS1, B347190-BSD1, B347190-MS1, B347190-MSD1, S091250-CCV1

4-Nitrophenol
23G1822-01[250WATERST-SB109-SO-(2-4)], 23G1822-02[250WATERST-SB109-SO-(10-12)], 23G1822-03[250WATERST-SB109-SO-(20-22)], 23G1822-04[250WATERST-SB110-SO-(2-4)], 23G1822-05[250WATERST-SS-DUP], B347190-BLK1, B347190-BS1, B347190-BSD1, B347190-MS1, B347190-MSD1, S091250-CCV1

Bis(2-Ethylhexyl)phthalate
23G1822-01[250WATERST-SB109-SO-(2-4)], 23G1822-02[250WATERST-SB109-SO-(10-12)], 23G1822-03[250WATERST-SB109-SO-(20-22)], 23G1822-04[250WATERST-SB110-SO-(2-4)], 23G1822-05[250WATERST-SS-DUP], B347190-BLK1, B347190-BS1, B347190-BSD1, B347190-MS1, B347190-MSD1, S091250-CCV1

Di-n-octylphthalate
23G1822-01[250WATERST-SB109-SO-(2-4)], 23G1822-02[250WATERST-SB109-SO-(10-12)], 23G1822-03[250WATERST-SB109-SO-(20-22)], 23G1822-04[250WATERST-SB110-SO-(2-4)], 23G1822-05[250WATERST-SS-DUP], B347190-BLK1, B347190-BS1, B347190-BSD1, B347190-MS1, B347190-MSD1, S091250-CCV1

Hexachlorocyclopentadiene
23G1822-01[250WATERST-SB109-SO-(2-4)], 23G1822-02[250WATERST-SB109-SO-(10-12)], 23G1822-03[250WATERST-SB109-SO-(20-22)], 23G1822-04[250WATERST-SB110-SO-(2-4)], 23G1822-05[250WATERST-SS-DUP], B347190-BLK1, B347190-BS1, B347190-BSD1, B347190-MS1, B347190-MSD1, S091250-CCV1

V-35

Initial calibration verification (ICV) did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol
23G1822-01[250WATERST-SB109-SO-(2-4)], 23G1822-02[250WATERST-SB109-SO-(10-12)], 23G1822-03[250WATERST-SB109-SO-(20-22)], 23G1822-04[250WATERST-SB110-SO-(2-4)], 23G1822-05[250WATERST-SS-DUP], B347190-BLK1, B347190-BS1, B347190-BSD1, B347190-MS1, B347190-MSD1, S091250-CCV1

4,6-Dinitro-2-methylphenol
23G1822-01[250WATERST-SB109-SO-(2-4)], 23G1822-02[250WATERST-SB109-SO-(10-12)], 23G1822-03[250WATERST-SB109-SO-(20-22)], 23G1822-04[250WATERST-SB110-SO-(2-4)], 23G1822-05[250WATERST-SS-DUP], B347190-BLK1, B347190-BS1, B347190-BSD1, B347190-MS1, B347190-MSD1, S091250-CCV1

SW-846 9014

Qualifications:

L-07A

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD outside of control limits. Reduced precision anticipated for any reported result for this compound.

Analyte & Samples(s) Qualified:

Cyanide
B346292-BS1, B346292-BSD1

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MS-07A

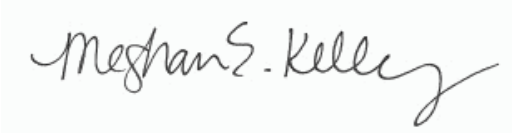
Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.

Analyte & Samples(s) Qualified:

Cyanide

23G1822-02[250WATERST-SB109-SO-(10-12)], B346292-MS1, B346292-MSD1

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Meghan E. Kelley
Reporting Specialist

con-test® A Pace Analytical® Laboratory
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1822

Date Received: 7/14/2023

Field Sample #: 250WATERST-SB109-SO-(2-4) Sampled: 7/13/2023 09:30

Sample ID: 23G1822-01

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.013	0.078	0.0070	mg/Kg dry	1	J	SW-846 8260D	7/17/23	7/17/23 10:39	MFF
Benzene	0.00053	0.0016	0.00045	mg/Kg dry	1	J	SW-846 8260D	7/17/23	7/17/23 10:39	MFF
Bromochloromethane	ND	0.0016	0.00061	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 10:39	MFF
Bromodichloromethane	ND	0.0016	0.00041	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 10:39	MFF
Bromoform	ND	0.0016	0.00048	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 10:39	MFF
Bromomethane	ND	0.0078	0.0013	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 10:39	MFF
2-Butanone (MEK)	ND	0.031	0.0049	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 10:39	MFF
Carbon Disulfide	ND	0.0078	0.0062	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 10:39	MFF
Carbon Tetrachloride	ND	0.0016	0.00061	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 10:39	MFF
Chlorobenzene	ND	0.0016	0.00044	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 10:39	MFF
Chlorodibromomethane	ND	0.00078	0.00049	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 10:39	MFF
Chloroethane	ND	0.016	0.00086	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 10:39	MFF
Chloroform	ND	0.0031	0.00049	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 10:39	MFF
Chloromethane	ND	0.0078	0.00077	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 10:39	MFF
Cyclohexane	ND	0.0078	0.0032	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 10:39	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0016	0.00062	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 10:39	MFF
1,2-Dibromoethane (EDB)	ND	0.00078	0.00060	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 10:39	MFF
1,2-Dichlorobenzene	ND	0.0016	0.00041	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 10:39	MFF
1,3-Dichlorobenzene	ND	0.0016	0.00043	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 10:39	MFF
1,4-Dichlorobenzene	ND	0.0016	0.00047	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 10:39	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.016	0.00080	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 10:39	MFF
1,1-Dichloroethane	ND	0.0016	0.00053	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 10:39	MFF
1,2-Dichloroethane	ND	0.0016	0.00052	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 10:39	MFF
1,1-Dichloroethylene	ND	0.0031	0.00064	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 10:39	MFF
cis-1,2-Dichloroethylene	ND	0.0016	0.00050	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 10:39	MFF
trans-1,2-Dichloroethylene	ND	0.0016	0.00057	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 10:39	MFF
1,2-Dichloropropane	ND	0.0016	0.00048	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 10:39	MFF
cis-1,3-Dichloropropene	ND	0.00078	0.00044	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 10:39	MFF
trans-1,3-Dichloropropene	ND	0.00078	0.00047	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 10:39	MFF
1,4-Dioxane	ND	0.078	0.035	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 10:39	MFF
Ethylbenzene	ND	0.0016	0.00046	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 10:39	MFF
2-Hexanone (MBK)	ND	0.016	0.0039	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 10:39	MFF
Isopropylbenzene (Cumene)	ND	0.0016	0.00048	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 10:39	MFF
Methyl Acetate	ND	0.0016	0.0011	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 10:39	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0031	0.00052	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 10:39	MFF
Methyl Cyclohexane	0.00075	0.0016	0.00060	mg/Kg dry	1	J	SW-846 8260D	7/17/23	7/17/23 10:39	MFF
Methylene Chloride	0.0017	0.016	0.00075	mg/Kg dry	1	J	SW-846 8260D	7/17/23	7/17/23 10:39	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.016	0.0034	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 10:39	MFF
Styrene	ND	0.0016	0.00038	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 10:39	MFF
1,1,2,2-Tetrachloroethane	ND	0.00078	0.00043	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 10:39	MFF
Tetrachloroethylene	ND	0.0016	0.00065	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 10:39	MFF
Toluene	ND	0.0016	0.00053	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 10:39	MFF
1,2,3-Trichlorobenzene	ND	0.0031	0.00044	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 10:39	MFF
1,2,4-Trichlorobenzene	ND	0.0016	0.00047	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 10:39	MFF

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1822

Date Received: 7/14/2023

Field Sample #: 250WATERST-SB109-SO-(2-4) Sampled: 7/13/2023 09:30

Sample ID: 23G1822-01

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	0.0016	0.00060	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 10:39	MFF
1,1,2-Trichloroethane	ND	0.0016	0.00042	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 10:39	MFF
Trichloroethylene	ND	0.0016	0.00063	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 10:39	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0078	0.00058	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 10:39	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0078	0.00067	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 10:39	MFF
Vinyl Chloride	ND	0.0078	0.00058	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 10:39	MFF
Xylenes (total)	ND	0.0016	0.0016	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 10:39	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	115	70-130		7/17/23 10:39
Toluene-d8	97.2	70-130		7/17/23 10:39
4-Bromofluorobenzene	94.4	70-130		7/17/23 10:39

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1822

Date Received: 7/14/2023

Field Sample #: 250WATERST-SB109-SO-(2-4) Sampled: 7/13/2023 09:30

Sample ID: 23G1822-01

Sample Matrix: Soil

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	mg/Kg dry			1			SW-846 8260D	7/17/23	7/17/23 10:39	MFF

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1822

Date Received: 7/14/2023

Field Sample #: 250WATERST-SB109-SO-(2-4) Sampled: 7/13/2023 09:30

Sample ID: 23G1822-01

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	0.80	0.055	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 19:55	AR2
Benzaldehyde	ND	0.40	0.039	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 19:55	AR2
Biphenyl	ND	0.80	0.063	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 19:55	AR2
Caprolactam	ND	0.40	0.057	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 19:55	AR2
Acenaphthene	ND	0.20	0.077	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 19:55	AR2
Acenaphthylene	ND	0.20	0.079	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 19:55	AR2
Acetophenone	ND	0.40	0.079	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 19:55	AR2
Anthracene	0.10	0.20	0.078	mg/Kg dry	1	J	SW-846 8270E	7/27/23	7/29/23 19:55	AR2
Benzo(a)anthracene	0.55	0.20	0.073	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 19:55	AR2
Benzo(a)pyrene	0.64	0.20	0.067	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 19:55	AR2
Benzo(b)fluoranthene	0.75	0.20	0.068	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 19:55	AR2
Benzo(g,h,i)perylene	0.40	0.20	0.084	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 19:55	AR2
Benzo(k)fluoranthene	0.28	0.20	0.073	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 19:55	AR2
Bis(2-chloroethoxy)methane	ND	0.40	0.079	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 19:55	AR2
Bis(2-chloroethyl)ether	ND	0.40	0.085	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 19:55	AR2
Bis(2-chloroisopropyl)ether	ND	0.40	0.17	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 19:55	AR2
Bis(2-Ethylhexyl)phthalate	0.18	0.40	0.082	mg/Kg dry	1	V-06, J	SW-846 8270E	7/27/23	7/29/23 19:55	AR2
4-Bromophenylphenylether	ND	0.40	0.083	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 19:55	AR2
Butylbenzylphthalate	ND	0.40	0.076	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 19:55	AR2
Carbazole	ND	0.20	0.079	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 19:55	AR2
4-Chloroaniline	ND	0.78	0.072	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 19:55	AR2
4-Chloro-3-methylphenol	ND	0.78	0.080	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 19:55	AR2
2-Chloronaphthalene	ND	0.40	0.071	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 19:55	AR2
2-Chlorophenol	ND	0.40	0.081	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 19:55	AR2
4-Chlorophenylphenylether	ND	0.40	0.078	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 19:55	AR2
Chrysene	0.58	0.20	0.073	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 19:55	AR2
Dibenz(a,h)anthracene	0.092	0.20	0.078	mg/Kg dry	1	J	SW-846 8270E	7/27/23	7/29/23 19:55	AR2
Dibenzofuran	ND	0.40	0.079	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 19:55	AR2
Di-n-butylphthalate	ND	0.40	0.074	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 19:55	AR2
3,3-Dichlorobenzidine	ND	0.20	0.053	mg/Kg dry	1	V-06	SW-846 8270E	7/27/23	7/29/23 19:55	AR2
2,4-Dichlorophenol	ND	0.40	0.078	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 19:55	AR2
Diethylphthalate	ND	0.40	0.078	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 19:55	AR2
2,4-Dimethylphenol	ND	0.40	0.11	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 19:55	AR2
Dimethylphthalate	ND	0.40	0.083	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 19:55	AR2
4,6-Dinitro-2-methylphenol	ND	0.40	0.33	mg/Kg dry	1	L-04, V-04, V-06, V-35	SW-846 8270E	7/27/23	7/29/23 19:55	AR2
2,4-Dinitrophenol	ND	0.78	0.35	mg/Kg dry	1	L-04, V-04, V-06, V-35	SW-846 8270E	7/27/23	7/29/23 19:55	AR2
2,4-Dinitrotoluene	ND	0.40	0.081	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 19:55	AR2
2,6-Dinitrotoluene	ND	0.40	0.091	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 19:55	AR2
Di-n-octylphthalate	ND	0.40	0.080	mg/Kg dry	1	V-06	SW-846 8270E	7/27/23	7/29/23 19:55	AR2
Fluoranthene	0.90	0.20	0.072	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 19:55	AR2
Fluorene	ND	0.20	0.079	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 19:55	AR2
Hexachlorobenzene	ND	0.40	0.084	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 19:55	AR2
Hexachlorobutadiene	ND	0.40	0.081	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 19:55	AR2

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1822

Date Received: 7/14/2023

Field Sample #: 250WATERST-SB109-SO-(2-4) Sampled: 7/13/2023 09:30

Sample ID: 23G1822-01

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorocyclopentadiene	ND	0.40	0.26	mg/Kg dry	1	V-06	SW-846 8270E	7/27/23	7/29/23 19:55	AR2
Hexachloroethane	ND	0.40	0.079	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 19:55	AR2
Indeno(1,2,3-cd)pyrene	0.43	0.20	0.088	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 19:55	AR2
Isophorone	ND	0.40	0.082	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 19:55	AR2
2-Methylnaphthalene	ND	0.20	0.079	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 19:55	AR2
2-Methylphenol	ND	0.40	0.080	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 19:55	AR2
3/4-Methylphenol	ND	0.40	0.088	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 19:55	AR2
Naphthalene	ND	0.20	0.081	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 19:55	AR2
2-Nitroaniline	ND	0.40	0.080	mg/Kg dry	1	V-06	SW-846 8270E	7/27/23	7/29/23 19:55	AR2
3-Nitroaniline	ND	0.40	0.095	mg/Kg dry	1	V-06	SW-846 8270E	7/27/23	7/29/23 19:55	AR2
4-Nitroaniline	ND	0.40	0.068	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 19:55	AR2
Nitrobenzene	ND	0.40	0.087	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 19:55	AR2
2-Nitrophenol	ND	0.40	0.083	mg/Kg dry	1	V-06	SW-846 8270E	7/27/23	7/29/23 19:55	AR2
4-Nitrophenol	ND	0.78	0.17	mg/Kg dry	1	V-06	SW-846 8270E	7/27/23	7/29/23 19:55	AR2
N-Nitrosodiphenylamine/Diphenylamine	ND	0.40	0.081	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 19:55	AR2
N-Nitrosodi-n-propylamine	ND	0.40	0.087	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 19:55	AR2
Pentachlorophenol	ND	0.40	0.18	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 19:55	AR2
Phenanthrene	0.28	0.20	0.079	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 19:55	AR2
Phenol	ND	0.40	0.094	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 19:55	AR2
Pyrene	1.4	0.20	0.081	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 19:55	AR2
1,2,4,5-Tetrachlorobenzene	ND	0.40	0.083	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 19:55	AR2
2,4,5-Trichlorophenol	ND	0.40	0.078	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 19:55	AR2
2,4,6-Trichlorophenol	ND	0.40	0.077	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 19:55	AR2

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	65.4	30-130		7/29/23 19:55
Phenol-d6	73.1	30-130		7/29/23 19:55
Nitrobenzene-d5	84.3	30-130		7/29/23 19:55
2-Fluorobiphenyl	72.2	30-130		7/29/23 19:55
2,4,6-Tribromophenol	54.4	30-130		7/29/23 19:55
p-Terphenyl-d14	92.5	30-130		7/29/23 19:55

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1822

Date Received: 7/14/2023

Field Sample #: 250WATERST-SB109-SO-(2-4) Sampled: 7/13/2023 09:30

Sample ID: 23G1822-01

Sample Matrix: Soil

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.59	0.24	mg/Kg dry	10	RL-12	SW-846 8270E	7/19/23	7/26/23 10:55	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	47.9	15-110			7/26/23 10:55

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1822

Date Received: 7/14/2023

Field Sample #: 250WATERST-SB109-SO-(2-4) Sampled: 7/13/2023 09:30

Sample ID: 23G1822-01

Sample Matrix: Soil

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
3-Hexen-2-one	3.2	mg/Kg dry	2041660	2.365	1	000763-93-9	91	SW-846 8270E	7/27/23	7/29/23 19:55	AR2
A'-Neogammacer-22(29)-ene	1.8	mg/Kg dry	1176240	14.08	1	001615-91-4	90	SW-846 8270E	7/27/23	7/29/23 19:55	AR2
Benzo[e]pyrene	0.73	mg/Kg dry	484711	11.166	1	000192-97-2	96	SW-846 8270E	7/27/23	7/29/23 19:55	AR2
Butane, 2,2,3,3-tetramethyl-	16	mg/Kg dry	10220800	1.863	1	000594-82-1	83	SW-846 8270E	7/27/23	7/29/23 19:55	AR2
Tentatively Identified Compounds	0.0	mg/Kg dry			1	NA		SW-846 8270E	7/27/23	7/29/23 19:55	AR2

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1822

Date Received: 7/14/2023

Field Sample #: 250WATERST-SB109-SO-(2-4) Sampled: 7/13/2023 09:30

Sample ID: 23G1822-01

Sample Matrix: Soil

Sample Flags: DL-03

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [1]	ND	1.1	0.33	mg/Kg dry	50		SW-846 8081B	7/19/23	7/25/23 21:10	TG
Aldrin [1]	ND	0.28	0.028	mg/Kg dry	50		SW-846 8081B	7/19/23	7/25/23 21:10	TG
alpha-BHC [1]	ND	0.28	0.15	mg/Kg dry	50		SW-846 8081B	7/19/23	7/25/23 21:10	TG
beta-BHC [1]	ND	0.28	0.13	mg/Kg dry	50		SW-846 8081B	7/19/23	7/25/23 21:10	TG
delta-BHC [1]	ND	0.28	0.19	mg/Kg dry	50		SW-846 8081B	7/19/23	7/25/23 21:10	TG
gamma-BHC (Lindane) [1]	ND	0.11	0.024	mg/Kg dry	50		SW-846 8081B	7/19/23	7/25/23 21:10	TG
Chlordane [1]	ND	1.1	0.39	mg/Kg dry	50		SW-846 8081B	7/19/23	7/25/23 21:10	TG
4,4'-DDD [1]	ND	0.22	0.025	mg/Kg dry	50		SW-846 8081B	7/19/23	7/25/23 21:10	TG
4,4'-DDE [1]	ND	0.22	0.026	mg/Kg dry	50		SW-846 8081B	7/19/23	7/25/23 21:10	TG
4,4'-DDT [1]	ND	0.22	0.024	mg/Kg dry	50		SW-846 8081B	7/19/23	7/25/23 21:10	TG
Dieldrin [1]	ND	0.22	0.022	mg/Kg dry	50		SW-846 8081B	7/19/23	7/25/23 21:10	TG
Endosulfan I [1]	ND	0.28	0.14	mg/Kg dry	50		SW-846 8081B	7/19/23	7/25/23 21:10	TG
Endosulfan II [1]	ND	0.45	0.14	mg/Kg dry	50		SW-846 8081B	7/19/23	7/25/23 21:10	TG
Endosulfan sulfate [1]	ND	0.45	0.14	mg/Kg dry	50		SW-846 8081B	7/19/23	7/25/23 21:10	TG
Endrin [1]	ND	0.45	0.14	mg/Kg dry	50		SW-846 8081B	7/19/23	7/25/23 21:10	TG
Endrin aldehyde [1]	ND	0.45	0.27	mg/Kg dry	50		SW-846 8081B	7/19/23	7/25/23 16:53	TG
Endrin ketone [1]	ND	0.45	0.13	mg/Kg dry	50		SW-846 8081B	7/19/23	7/25/23 21:10	TG
Heptachlor [1]	ND	0.28	0.027	mg/Kg dry	50		SW-846 8081B	7/19/23	7/25/23 21:10	TG
Heptachlor epoxide [1]	ND	0.28	0.025	mg/Kg dry	50		SW-846 8081B	7/19/23	7/25/23 21:10	TG
Hexachlorobenzene [1]	ND	0.34	0.19	mg/Kg dry	50		SW-846 8081B	7/19/23	7/25/23 21:10	TG
Methoxychlor [1]	ND	2.8	0.35	mg/Kg dry	50		SW-846 8081B	7/19/23	7/25/23 21:10	TG
Toxaphene [1]	ND	5.6	2.7	mg/Kg dry	50		SW-846 8081B	7/19/23	7/25/23 21:10	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	7/25/23 21:10
Decachlorobiphenyl [2]	*	30-150	S-01	7/25/23 21:10
Tetrachloro-m-xylene [1]	*	30-150	S-01	7/25/23 21:10
Tetrachloro-m-xylene [2]	*	30-150	S-01	7/25/23 21:10

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1822

Date Received: 7/14/2023

Field Sample #: 250WATERST-SB109-SO-(2-4) Sampled: 7/13/2023 09:30

Sample ID: 23G1822-01

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	0.023	mg/Kg dry	4		SW-846 8082A	7/19/23	7/21/23 15:14	SFM
Aroclor-1221 [1]	ND	0.090	0.048	mg/Kg dry	4		SW-846 8082A	7/19/23	7/21/23 15:14	SFM
Aroclor-1232 [1]	ND	0.090	0.029	mg/Kg dry	4		SW-846 8082A	7/19/23	7/21/23 15:14	SFM
Aroclor-1242 [1]	ND	0.090	0.027	mg/Kg dry	4		SW-846 8082A	7/19/23	7/21/23 15:14	SFM
Aroclor-1248 [1]	ND	0.090	0.023	mg/Kg dry	4		SW-846 8082A	7/19/23	7/21/23 15:14	SFM
Aroclor-1254 [1]	ND	0.090	0.027	mg/Kg dry	4		SW-846 8082A	7/19/23	7/21/23 15:14	SFM
Aroclor-1260 [1]	ND	0.090	0.024	mg/Kg dry	4		SW-846 8082A	7/19/23	7/21/23 15:14	SFM
Aroclor-1262 [1]	ND	0.090	0.027	mg/Kg dry	4		SW-846 8082A	7/19/23	7/21/23 15:14	SFM
Aroclor-1268 [1]	ND	0.090	0.030	mg/Kg dry	4		SW-846 8082A	7/19/23	7/21/23 15:14	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	84.9	30-150		7/21/23 15:14
Decachlorobiphenyl [2]	83.2	30-150		7/21/23 15:14
Tetrachloro-m-xylene [1]	93.5	30-150		7/21/23 15:14
Tetrachloro-m-xylene [2]	94.2	30-150		7/21/23 15:14

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1822

Date Received: 7/14/2023

Field Sample #: 250WATERST-SB109-SO-(2-4) Sampled: 7/13/2023 09:30

Sample ID: 23G1822-01

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	7000	19	14	mg/Kg dry	1		SW-846 6010D	7/24/23	7/26/23 19:29	MJH
Antimony	ND	1.9	0.40	mg/Kg dry	1		SW-846 6010D	7/24/23	7/26/23 19:29	MJH
Arsenic	3.5	3.9	0.65	mg/Kg dry	1	J	SW-846 6010D	7/24/23	7/26/23 19:29	MJH
Barium	52	1.9	0.30	mg/Kg dry	1		SW-846 6010D	7/24/23	7/26/23 19:29	MJH
Beryllium	0.31	0.19	0.058	mg/Kg dry	1		SW-846 6010D	7/24/23	7/26/23 19:29	MJH
Cadmium	ND	0.39	0.13	mg/Kg dry	1		SW-846 6010D	7/24/23	7/26/23 19:29	MJH
Calcium	48000	390	70	mg/Kg dry	20		SW-846 6010D	7/24/23	7/29/23 1:12	MJH
Chromium	16	0.78	0.29	mg/Kg dry	1		SW-846 6010D	7/24/23	7/26/23 19:29	MJH
Cobalt	3.2	1.9	0.29	mg/Kg dry	1		SW-846 6010D	7/24/23	7/26/23 19:29	MJH
Copper	22	7.8	1.7	mg/Kg dry	10		SW-846 6010D	7/24/23	7/29/23 2:10	MJH
Iron	10000	190	120	mg/Kg dry	10		SW-846 6010D	7/24/23	7/29/23 2:10	MJH
Lead	40	0.58	0.32	mg/Kg dry	1		SW-846 6010D	7/24/23	7/26/23 19:29	MJH
Magnesium	10000	190	30	mg/Kg dry	10		SW-846 6010D	7/24/23	7/29/23 2:10	MJH
Manganese	170	0.39	0.21	mg/Kg dry	1		SW-846 6010D	7/24/23	7/26/23 19:29	MJH
Mercury	0.13	0.030	0.013	mg/Kg dry	1		SW-846 7471B	7/28/23	7/28/23 13:38	AAJ
Nickel	11	0.78	0.31	mg/Kg dry	1		SW-846 6010D	7/24/23	7/26/23 19:29	MJH
Potassium	1200	190	35	mg/Kg dry	1		SW-846 6010D	7/24/23	7/26/23 19:29	MJH
Selenium	ND	3.9	0.83	mg/Kg dry	1		SW-846 6010D	7/24/23	7/26/23 19:29	MJH
Silver	ND	0.39	0.13	mg/Kg dry	1		SW-846 6010D	7/24/23	7/26/23 19:29	MJH
Sodium	360	190	35	mg/Kg dry	1		SW-846 6010D	7/24/23	7/26/23 19:29	MJH
Thallium	ND	1.9	0.68	mg/Kg dry	1		SW-846 6010D	7/24/23	7/26/23 19:29	MJH
Vanadium	22	0.78	0.24	mg/Kg dry	1		SW-846 6010D	7/24/23	7/26/23 19:29	MJH
Zinc	56	0.78	0.27	mg/Kg dry	1	B-07, B	SW-846 6010D	7/24/23	7/26/23 19:29	MJH

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1822

Date Received: 7/14/2023

Field Sample #: 250WATERST-SB109-SO-(2-4) Sampled: 7/13/2023 09:30

Sample ID: 23G1822-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.1			% Wt	1		SM 2540G	7/19/23	7/19/23 14:54	ADB
Cyanide	0.37	0.44	0.31	mg/Kg dry	1	J	SW-846 9014	7/18/23	7/20/23 5:54	MMH

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1822

Date Received: 7/14/2023

Field Sample #: 250WATERST-SB109-SO-(10-12) Sampled: 7/13/2023 10:10

Sample ID: 23G1822-02

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.025	0.14	0.013	mg/Kg dry	1	V-06, V-35, J	SW-846 8260D	7/18/23	7/18/23 7:18	MFF
Benzene	0.0010	0.0028	0.00081	mg/Kg dry	1	J	SW-846 8260D	7/18/23	7/18/23 7:18	MFF
Bromochloromethane	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:18	MFF
Bromodichloromethane	ND	0.0028	0.00073	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:18	MFF
Bromoform	ND	0.0028	0.00085	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:18	MFF
Bromomethane	ND	0.014	0.0024	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:18	MFF
2-Butanone (MEK)	ND	0.056	0.0087	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:18	MFF
Carbon Disulfide	ND	0.056	0.011	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:18	MFF
Carbon Tetrachloride	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:18	MFF
Chlorobenzene	ND	0.0028	0.00078	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:18	MFF
Chlorodibromomethane	ND	0.0014	0.00088	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:18	MFF
Chloroethane	ND	0.028	0.0015	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:18	MFF
Chloroform	ND	0.0056	0.00087	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:18	MFF
Chloromethane	ND	0.014	0.0014	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:18	MFF
Cyclohexane	ND	0.014	0.0057	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:18	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:18	MFF
1,2-Dibromoethane (EDB)	ND	0.0014	0.0011	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:18	MFF
1,2-Dichlorobenzene	ND	0.0028	0.00074	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:18	MFF
1,3-Dichlorobenzene	ND	0.0028	0.00077	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:18	MFF
1,4-Dichlorobenzene	ND	0.0028	0.00084	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:18	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.028	0.0014	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:18	MFF
1,1-Dichloroethane	ND	0.0028	0.00095	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:18	MFF
1,2-Dichloroethane	ND	0.0028	0.00093	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:18	MFF
1,1-Dichloroethylene	ND	0.0056	0.0011	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:18	MFF
cis-1,2-Dichloroethylene	ND	0.0028	0.00089	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:18	MFF
trans-1,2-Dichloroethylene	ND	0.0028	0.0010	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:18	MFF
1,2-Dichloropropane	ND	0.0028	0.00086	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:18	MFF
cis-1,3-Dichloropropene	ND	0.0014	0.00078	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:18	MFF
trans-1,3-Dichloropropene	ND	0.0014	0.00085	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:18	MFF
1,4-Dioxane	ND	0.14	0.063	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:18	MFF
Ethylbenzene	ND	0.0028	0.00083	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:18	MFF
2-Hexanone (MBK)	ND	0.028	0.0070	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:18	MFF
Isopropylbenzene (Cumene)	ND	0.0028	0.00087	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:18	MFF
Methyl Acetate	ND	0.0028	0.0020	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:18	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0056	0.00094	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:18	MFF
Methyl Cyclohexane	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:18	MFF
Methylene Chloride	0.0026	0.028	0.0013	mg/Kg dry	1	J	SW-846 8260D	7/18/23	7/18/23 7:18	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.028	0.0062	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:18	MFF
Styrene	ND	0.0028	0.00069	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:18	MFF
1,1,2,2-Tetrachloroethane	ND	0.0014	0.00077	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:18	MFF
Tetrachloroethylene	ND	0.0028	0.0012	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:18	MFF
Toluene	ND	0.0028	0.00094	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:18	MFF
1,2,3-Trichlorobenzene	ND	0.0028	0.00079	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:18	MFF
1,2,4-Trichlorobenzene	ND	0.0028	0.00084	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:18	MFF

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1822

Date Received: 7/14/2023

Field Sample #: 250WATERST-SB109-SO-(10-12) Sampled: 7/13/2023 10:10

Sample ID: 23G1822-02

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:18	MFF
1,1,2-Trichloroethane	ND	0.0028	0.00074	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:18	MFF
Trichloroethylene	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:18	MFF
Trichlorofluoromethane (Freon 11)	ND	0.014	0.0010	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:18	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.014	0.0012	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:18	MFF
Vinyl Chloride	ND	0.014	0.0010	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:18	MFF
Xylenes (total)	ND	0.0028	0.0028	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:18	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	115	70-130		7/18/23	7:18
Toluene-d8	99.5	70-130		7/18/23	7:18
4-Bromofluorobenzene	101	70-130		7/18/23	7:18

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1822

Date Received: 7/14/2023

Field Sample #: 250WATERST-SB109-SO-(10-12) Sampled: 7/13/2023 10:10

Sample ID: 23G1822-02

Sample Matrix: Soil

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	mg/Kg dry			1			SW-846 8260D	7/18/23	7/18/23 7:18	MFF

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1822

Date Received: 7/14/2023

Field Sample #: 250WATERST-SB109-SO-(10-12) Sampled: 7/13/2023 10:10

Sample ID: 23G1822-02

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	0.89	0.062	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:15	AR2
Benzaldehyde	ND	0.45	0.043	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:15	AR2
Biphenyl	ND	0.89	0.071	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:15	AR2
Caprolactam	ND	0.45	0.064	mg/Kg dry	1	R-06	SW-846 8270E	7/27/23	7/29/23 20:15	AR2
Acenaphthene	ND	0.23	0.086	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:15	AR2
Acenaphthylene	ND	0.23	0.089	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:15	AR2
Acetophenone	ND	0.45	0.089	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:15	AR2
Anthracene	ND	0.23	0.087	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:15	AR2
Benzo(a)anthracene	ND	0.23	0.081	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:15	AR2
Benzo(a)pyrene	ND	0.23	0.075	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:15	AR2
Benzo(b)fluoranthene	0.076	0.23	0.076	mg/Kg dry	1	J	SW-846 8270E	7/27/23	7/29/23 20:15	AR2
Benzo(g,h,i)perylene	ND	0.23	0.094	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:15	AR2
Benzo(k)fluoranthene	ND	0.23	0.081	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:15	AR2
Bis(2-chloroethoxy)methane	ND	0.45	0.088	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:15	AR2
Bis(2-chloroethyl)ether	ND	0.45	0.095	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:15	AR2
Bis(2-chloroisopropyl)ether	ND	0.45	0.19	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:15	AR2
Bis(2-Ethylhexyl)phthalate	ND	0.45	0.092	mg/Kg dry	1	V-06	SW-846 8270E	7/27/23	7/29/23 20:15	AR2
4-Bromophenylphenylether	ND	0.45	0.093	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:15	AR2
Butylbenzylphthalate	ND	0.45	0.085	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:15	AR2
Carbazole	ND	0.23	0.088	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:15	AR2
4-Chloroaniline	ND	0.88	0.080	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:15	AR2
4-Chloro-3-methylphenol	ND	0.88	0.089	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:15	AR2
2-Chloronaphthalene	ND	0.45	0.080	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:15	AR2
2-Chlorophenol	ND	0.45	0.091	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:15	AR2
4-Chlorophenylphenylether	ND	0.45	0.087	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:15	AR2
Chrysene	ND	0.23	0.082	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:15	AR2
Dibenz(a,h)anthracene	ND	0.23	0.087	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:15	AR2
Dibenzofuran	ND	0.45	0.089	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:15	AR2
Di-n-butylphthalate	ND	0.45	0.082	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:15	AR2
3,3-Dichlorobenzidine	ND	0.23	0.060	mg/Kg dry	1	V-06	SW-846 8270E	7/27/23	7/29/23 20:15	AR2
2,4-Dichlorophenol	ND	0.45	0.087	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:15	AR2
Diethylphthalate	ND	0.45	0.087	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:15	AR2
2,4-Dimethylphenol	ND	0.45	0.12	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:15	AR2
Dimethylphthalate	ND	0.45	0.093	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:15	AR2
4,6-Dinitro-2-methylphenol	ND	0.45	0.37	mg/Kg dry	1	L-04, R-06, V-04, V-06, V-35	SW-846 8270E	7/27/23	7/29/23 20:15	AR2
2,4-Dinitrophenol	ND	0.88	0.40	mg/Kg dry	1	L-04, R-06, V-04, V-06, V-35	SW-846 8270E	7/27/23	7/29/23 20:15	AR2
2,4-Dinitrotoluene	ND	0.45	0.090	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:15	AR2
2,6-Dinitrotoluene	ND	0.45	0.10	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:15	AR2
Di-n-octylphthalate	ND	0.45	0.090	mg/Kg dry	1	V-06	SW-846 8270E	7/27/23	7/29/23 20:15	AR2
Fluoranthene	0.18	0.23	0.080	mg/Kg dry	1	J	SW-846 8270E	7/27/23	7/29/23 20:15	AR2
Fluorene	ND	0.23	0.088	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:15	AR2
Hexachlorobenzene	ND	0.45	0.094	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:15	AR2
Hexachlorobutadiene	ND	0.45	0.091	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:15	AR2

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1822

Date Received: 7/14/2023

Field Sample #: 250WATERST-SB109-SO-(10-12) Sampled: 7/13/2023 10:10

Sample ID: 23G1822-02

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorocyclopentadiene	ND	0.45	0.29	mg/Kg dry	1	V-06	SW-846 8270E	7/27/23	7/29/23 20:15	AR2
Hexachloroethane	ND	0.45	0.088	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:15	AR2
Indeno(1,2,3-cd)pyrene	ND	0.23	0.099	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:15	AR2
Isophorone	ND	0.45	0.092	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:15	AR2
2-Methylnaphthalene	ND	0.23	0.088	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:15	AR2
2-Methylphenol	ND	0.45	0.090	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:15	AR2
3/4-Methylphenol	0.40	0.45	0.098	mg/Kg dry	1	J	SW-846 8270E	7/27/23	7/29/23 20:15	AR2
Naphthalene	ND	0.23	0.090	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:15	AR2
2-Nitroaniline	ND	0.45	0.090	mg/Kg dry	1	V-06	SW-846 8270E	7/27/23	7/29/23 20:15	AR2
3-Nitroaniline	ND	0.45	0.11	mg/Kg dry	1	V-06	SW-846 8270E	7/27/23	7/29/23 20:15	AR2
4-Nitroaniline	ND	0.45	0.076	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:15	AR2
Nitrobenzene	ND	0.45	0.098	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:15	AR2
2-Nitrophenol	ND	0.45	0.093	mg/Kg dry	1	V-06	SW-846 8270E	7/27/23	7/29/23 20:15	AR2
4-Nitrophenol	ND	0.88	0.19	mg/Kg dry	1	V-06	SW-846 8270E	7/27/23	7/29/23 20:15	AR2
N-Nitrosodiphenylamine/Diphenylamine	ND	0.45	0.091	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:15	AR2
N-Nitrosodi-n-propylamine	ND	0.45	0.098	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:15	AR2
Pentachlorophenol	ND	0.45	0.20	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:15	AR2
Phenanthrene	0.14	0.23	0.088	mg/Kg dry	1	J	SW-846 8270E	7/27/23	7/29/23 20:15	AR2
Phenol	ND	0.45	0.10	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:15	AR2
Pyrene	0.20	0.23	0.090	mg/Kg dry	1	J	SW-846 8270E	7/27/23	7/29/23 20:15	AR2
1,2,4,5-Tetrachlorobenzene	ND	0.45	0.092	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:15	AR2
2,4,5-Trichlorophenol	ND	0.45	0.087	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:15	AR2
2,4,6-Trichlorophenol	ND	0.45	0.086	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:15	AR2

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	61.0	30-130		7/29/23 20:15
Phenol-d6	68.9	30-130		7/29/23 20:15
Nitrobenzene-d5	69.1	30-130		7/29/23 20:15
2-Fluorobiphenyl	65.7	30-130		7/29/23 20:15
2,4,6-Tribromophenol	71.4	30-130		7/29/23 20:15
p-Terphenyl-d14	82.9	30-130		7/29/23 20:15

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1822

Date Received: 7/14/2023

Field Sample #: 250WATERST-SB109-SO-(10-12) Sampled: 7/13/2023 10:10

Sample ID: 23G1822-02

Sample Matrix: Soil

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.065	0.027	mg/Kg dry	1		SW-846 8270E	7/19/23	7/26/23 11:15	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	38.7	15-110		7/26/23 11:15	

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1822

Date Received: 7/14/2023

Field Sample #: 250WATERST-SB109-SO-(10-12) Sampled: 7/13/2023 10:10

Sample ID: 23G1822-02

Sample Matrix: Soil

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
.beta.-Sitosterol	3.1	mg/Kg dry	2186490	13.993	1	000083-46-5	94	SW-846 8270E	7/27/23	7/29/23 20:15	AR2
10,18-Bisnorabieta-8,11,13-...	0.56	mg/Kg dry	491399	6.886	1	032624-67-2	93	SW-846 8270E	7/27/23	7/29/23 20:15	AR2
18-Norabietane	0.67	mg/Kg dry	583977	6.745	1	1000293-16-6	93	SW-846 8270E	7/27/23	7/29/23 20:15	AR2
3-Penten-2-one, 4-methyl-	3.2	mg/Kg dry	1803600	2.37	1	000141-79-7	91	SW-846 8270E	7/27/23	7/29/23 20:15	AR2
4b,8-Dimethyl-2-isopropylph...	0.89	mg/Kg dry	775024	6.819	1	1000197-14-1	94	SW-846 8270E	7/27/23	7/29/23 20:15	AR2
5-Eicosene, (E)-	1.5	mg/Kg dry	1158950	8.555	1	074685-30-6	99	SW-846 8270E	7/27/23	7/29/23 20:15	AR2
8-Isopropyl-1,3-dimethylphe...	1.3	mg/Kg dry	1012680	7.924	1	135886-06-5	99	SW-846 8270E	7/27/23	7/29/23 20:15	AR2
Butane, 2,2,3,3-tetramethyl-	20	mg/Kg dry	11312900	1.865	1	000594-82-1	83	SW-846 8270E	7/27/23	7/29/23 20:15	AR2
Cholestan-3-one	0.87	mg/Kg dry	610986	13.089	1	015600-08-5	98	SW-846 8270E	7/27/23	7/29/23 20:15	AR2
Dichloroacetic acid, heptad...	2.2	mg/Kg dry	1700980	9.739	1	1000282-98-2	94	SW-846 8270E	7/27/23	7/29/23 20:15	AR2
Phenanthrene, 1-methyl-7-(1...	5.6	mg/Kg dry	4330810	7.551	1	000483-65-8	99	SW-846 8270E	7/27/23	7/29/23 20:15	AR2
Tentatively Identified Compounds	0.0	mg/Kg dry			1	NA		SW-846 8270E	7/27/23	7/29/23 20:15	AR2
Tetracosanoic acid	1.4	mg/Kg dry	984026	10.205	1	000557-59-5	98	SW-846 8270E	7/27/23	7/29/23 20:15	AR2

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1822

Date Received: 7/14/2023

Field Sample #: 250WATERST-SB109-SO-(10-12) Sampled: 7/13/2023 10:10

Sample ID: 23G1822-02

Sample Matrix: Soil

Sample Flags: DL-03

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [1]	ND	0.51	0.15	mg/Kg dry	20		SW-846 8081B	7/19/23	7/25/23 21:37	TG
Aldrin [1]	ND	0.13	0.013	mg/Kg dry	20		SW-846 8081B	7/19/23	7/25/23 21:37	TG
alpha-BHC [1]	ND	0.13	0.069	mg/Kg dry	20		SW-846 8081B	7/19/23	7/25/23 21:37	TG
beta-BHC [1]	ND	0.13	0.057	mg/Kg dry	20		SW-846 8081B	7/19/23	7/25/23 21:37	TG
delta-BHC [1]	ND	0.13	0.084	mg/Kg dry	20		SW-846 8081B	7/19/23	7/25/23 21:37	TG
gamma-BHC (Lindane) [1]	ND	0.051	0.011	mg/Kg dry	20		SW-846 8081B	7/19/23	7/25/23 21:37	TG
Chlordane [1]	ND	0.51	0.18	mg/Kg dry	20		SW-846 8081B	7/19/23	7/25/23 21:37	TG
4,4'-DDD [1]	ND	0.10	0.011	mg/Kg dry	20		SW-846 8081B	7/19/23	7/25/23 21:37	TG
4,4'-DDE [1]	ND	0.10	0.012	mg/Kg dry	20		SW-846 8081B	7/19/23	7/25/23 21:37	TG
4,4'-DDT [1]	ND	0.10	0.011	mg/Kg dry	20		SW-846 8081B	7/19/23	7/25/23 21:37	TG
Dieldrin [1]	ND	0.10	0.0099	mg/Kg dry	20		SW-846 8081B	7/19/23	7/25/23 21:37	TG
Endosulfan I [1]	ND	0.13	0.062	mg/Kg dry	20		SW-846 8081B	7/19/23	7/25/23 21:37	TG
Endosulfan II [1]	ND	0.20	0.062	mg/Kg dry	20		SW-846 8081B	7/19/23	7/25/23 21:37	TG
Endosulfan sulfate [1]	ND	0.20	0.063	mg/Kg dry	20		SW-846 8081B	7/19/23	7/25/23 21:37	TG
Endrin [1]	ND	0.20	0.063	mg/Kg dry	20		SW-846 8081B	7/19/23	7/25/23 21:37	TG
Endrin aldehyde [1]	ND	0.20	0.12	mg/Kg dry	20		SW-846 8081B	7/19/23	7/25/23 17:21	TG
Endrin ketone [1]	ND	0.20	0.059	mg/Kg dry	20		SW-846 8081B	7/19/23	7/25/23 21:37	TG
Heptachlor [1]	ND	0.13	0.012	mg/Kg dry	20		SW-846 8081B	7/19/23	7/25/23 21:37	TG
Heptachlor epoxide [1]	ND	0.13	0.011	mg/Kg dry	20		SW-846 8081B	7/19/23	7/25/23 21:37	TG
Hexachlorobenzene [1]	ND	0.15	0.085	mg/Kg dry	20		SW-846 8081B	7/19/23	7/25/23 21:37	TG
Methoxychlor [1]	ND	1.3	0.16	mg/Kg dry	20		SW-846 8081B	7/19/23	7/25/23 21:37	TG
Toxaphene [1]	ND	2.5	1.2	mg/Kg dry	20		SW-846 8081B	7/19/23	7/25/23 21:37	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	93.9	30-150		7/25/23 21:37
Decachlorobiphenyl [2]	92.7	30-150		7/25/23 21:37
Tetrachloro-m-xylene [1]	97.3	30-150		7/25/23 21:37
Tetrachloro-m-xylene [2]	95.2	30-150		7/25/23 21:37

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1822

Date Received: 7/14/2023

Field Sample #: 250WATERST-SB109-SO-(10-12) Sampled: 7/13/2023 10:10

Sample ID: 23G1822-02

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	0.026	mg/Kg dry	4		SW-846 8082A	7/19/23	7/27/23 21:49	SFM
Aroclor-1221 [1]	ND	0.10	0.054	mg/Kg dry	4		SW-846 8082A	7/19/23	7/27/23 21:49	SFM
Aroclor-1232 [1]	ND	0.10	0.033	mg/Kg dry	4		SW-846 8082A	7/19/23	7/27/23 21:49	SFM
Aroclor-1242 [1]	ND	0.10	0.030	mg/Kg dry	4		SW-846 8082A	7/19/23	7/27/23 21:49	SFM
Aroclor-1248 [1]	ND	0.10	0.026	mg/Kg dry	4		SW-846 8082A	7/19/23	7/27/23 21:49	SFM
Aroclor-1254 [1]	0.033	0.10	0.031	mg/Kg dry	4	J	SW-846 8082A	7/19/23	7/27/23 21:49	SFM
Aroclor-1260 [1]	ND	0.10	0.027	mg/Kg dry	4		SW-846 8082A	7/19/23	7/27/23 21:49	SFM
Aroclor-1262 [1]	ND	0.10	0.030	mg/Kg dry	4		SW-846 8082A	7/19/23	7/27/23 21:49	SFM
Aroclor-1268 [1]	ND	0.10	0.034	mg/Kg dry	4		SW-846 8082A	7/19/23	7/27/23 21:49	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	83.3	30-150		7/27/23 21:49
Decachlorobiphenyl [2]	76.3	30-150		7/27/23 21:49
Tetrachloro-m-xylene [1]	85.3	30-150		7/27/23 21:49
Tetrachloro-m-xylene [2]	84.2	30-150		7/27/23 21:49

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1822

Date Received: 7/14/2023

Field Sample #: 250WATERST-SB109-SO-(10-12) Sampled: 7/13/2023 10:10

Sample ID: 23G1822-02

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	3200	22	16	mg/Kg dry	1	MS-19	SW-846 6010D	7/24/23	7/26/23 18:34	MJH
Antimony	ND	2.2	0.45	mg/Kg dry	1	MS-07A	SW-846 6010D	7/24/23	7/28/23 23:04	MJH
Arsenic	2.2	4.3	0.73	mg/Kg dry	1	J	SW-846 6010D	7/24/23	7/26/23 18:34	MJH
Barium	51	2.2	0.33	mg/Kg dry	1		SW-846 6010D	7/24/23	7/28/23 23:04	MJH
Beryllium	0.15	0.22	0.064	mg/Kg dry	1	J	SW-846 6010D	7/24/23	7/26/23 18:34	MJH
Cadmium	ND	0.43	0.14	mg/Kg dry	1		SW-846 6010D	7/24/23	7/26/23 18:34	MJH
Calcium	26000	430	78	mg/Kg dry	20	MS-19	SW-846 6010D	7/24/23	7/29/23 0:51	MJH
Chromium	11	0.87	0.32	mg/Kg dry	1		SW-846 6010D	7/24/23	7/26/23 18:34	MJH
Cobalt	2.8	2.2	0.32	mg/Kg dry	1		SW-846 6010D	7/24/23	7/26/23 18:34	MJH
Copper	110	0.87	0.19	mg/Kg dry	1		SW-846 6010D	7/24/23	7/28/23 23:04	MJH
Iron	8000	22	14	mg/Kg dry	1	MS-19	SW-846 6010D	7/24/23	7/28/23 23:04	MJH
Lead	180	0.65	0.36	mg/Kg dry	1	MS-19	SW-846 6010D	7/24/23	7/26/23 18:34	MJH
Magnesium	5700	22	3.4	mg/Kg dry	1	MS-19	SW-846 6010D	7/24/23	7/26/23 18:34	MJH
Manganese	210	0.43	0.23	mg/Kg dry	1	MS-19	SW-846 6010D	7/24/23	7/26/23 18:34	MJH
Mercury	0.17	0.034	0.015	mg/Kg dry	1		SW-846 7471B	7/28/23	7/28/23 13:40	AAJ
Nickel	12	0.87	0.35	mg/Kg dry	1		SW-846 6010D	7/24/23	7/26/23 18:34	MJH
Potassium	1200	220	40	mg/Kg dry	1		SW-846 6010D	7/24/23	7/26/23 18:34	MJH
Selenium	ND	4.3	0.93	mg/Kg dry	1		SW-846 6010D	7/24/23	7/26/23 18:34	MJH
Silver	ND	0.43	0.15	mg/Kg dry	1		SW-846 6010D	7/24/23	7/26/23 18:34	MJH
Sodium	240	220	39	mg/Kg dry	1		SW-846 6010D	7/24/23	7/28/23 23:04	MJH
Thallium	ND	2.2	0.76	mg/Kg dry	1		SW-846 6010D	7/24/23	7/26/23 18:34	MJH
Vanadium	14	0.87	0.27	mg/Kg dry	1		SW-846 6010D	7/24/23	7/26/23 18:34	MJH
Zinc	37	0.87	0.30	mg/Kg dry	1	B-07, B	SW-846 6010D	7/24/23	7/26/23 18:34	MJH

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1822

Date Received: 7/14/2023

Field Sample #: 250WATERST-SB109-SO-(10-12) Sampled: 7/13/2023 10:10

Sample ID: 23G1822-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	75.2			% Wt	1		SM 2540G	7/19/23	7/19/23 14:54	ADB
Cyanide	0.81	0.62	0.44	mg/Kg dry	1	MS-07A	SW-846 9014	7/18/23	7/20/23 5:54	MMH

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1822

Date Received: 7/14/2023

Field Sample #: 250WATERST-SB109-SO-(20-22) Sampled: 7/13/2023 10:30

Sample ID: 23G1822-03

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.067	0.0061	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:04	MFF
Benzene	ND	0.0013	0.00039	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:04	MFF
Bromochloromethane	ND	0.0013	0.00053	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:04	MFF
Bromodichloromethane	ND	0.0013	0.00035	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:04	MFF
Bromoform	ND	0.0013	0.00041	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:04	MFF
Bromomethane	ND	0.0067	0.0012	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:04	MFF
2-Butanone (MEK)	ND	0.027	0.0042	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:04	MFF
Carbon Disulfide	ND	0.0067	0.0054	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:04	MFF
Carbon Tetrachloride	ND	0.0013	0.00053	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:04	MFF
Chlorobenzene	ND	0.0013	0.00038	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:04	MFF
Chlorodibromomethane	ND	0.00067	0.00043	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:04	MFF
Chloroethane	ND	0.013	0.00074	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:04	MFF
Chloroform	ND	0.0027	0.00042	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:04	MFF
Chloromethane	ND	0.0067	0.00067	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:04	MFF
Cyclohexane	ND	0.0067	0.0027	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:04	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0013	0.00053	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:04	MFF
1,2-Dibromoethane (EDB)	ND	0.00067	0.00052	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:04	MFF
1,2-Dichlorobenzene	ND	0.0013	0.00036	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:04	MFF
1,3-Dichlorobenzene	ND	0.0013	0.00037	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:04	MFF
1,4-Dichlorobenzene	ND	0.0013	0.00041	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:04	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.013	0.00070	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:04	MFF
1,1-Dichloroethane	ND	0.0013	0.00046	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:04	MFF
1,2-Dichloroethane	ND	0.0013	0.00045	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:04	MFF
1,1-Dichloroethylene	ND	0.0027	0.00055	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:04	MFF
cis-1,2-Dichloroethylene	ND	0.0013	0.00043	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:04	MFF
trans-1,2-Dichloroethylene	ND	0.0013	0.00049	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:04	MFF
1,2-Dichloropropane	ND	0.0013	0.00042	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:04	MFF
cis-1,3-Dichloropropene	ND	0.00067	0.00038	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:04	MFF
trans-1,3-Dichloropropene	ND	0.00067	0.00041	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:04	MFF
1,4-Dioxane	ND	0.067	0.031	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:04	MFF
Ethylbenzene	ND	0.0013	0.00040	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:04	MFF
2-Hexanone (MBK)	ND	0.013	0.0034	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:04	MFF
Isopropylbenzene (Cumene)	ND	0.0013	0.00042	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:04	MFF
Methyl Acetate	ND	0.0013	0.00097	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:04	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0027	0.00045	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:04	MFF
Methyl Cyclohexane	ND	0.0013	0.00052	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:04	MFF
Methylene Chloride	0.0017	0.013	0.00065	mg/Kg dry	1	J	SW-846 8260D	7/17/23	7/17/23 11:04	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.013	0.0030	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:04	MFF
Styrene	ND	0.0013	0.00033	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:04	MFF
1,1,2,2-Tetrachloroethane	ND	0.00067	0.00037	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:04	MFF
Tetrachloroethylene	ND	0.0013	0.00057	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:04	MFF
Toluene	ND	0.0013	0.00046	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:04	MFF
1,2,3-Trichlorobenzene	ND	0.0027	0.00038	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:04	MFF
1,2,4-Trichlorobenzene	ND	0.0013	0.00041	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:04	MFF

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1822

Date Received: 7/14/2023

Field Sample #: 250WATERST-SB109-SO-(20-22) Sampled: 7/13/2023 10:30

Sample ID: 23G1822-03

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	0.0013	0.00052	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:04	MFF
1,1,2-Trichloroethane	ND	0.0013	0.00036	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:04	MFF
Trichloroethylene	ND	0.0013	0.00054	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:04	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0067	0.00050	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:04	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0067	0.00058	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:04	MFF
Vinyl Chloride	ND	0.0067	0.00050	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:04	MFF
Xylenes (total)	ND	0.0013	0.0013	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:04	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	113	70-130		7/17/23 11:04
Toluene-d8	100	70-130		7/17/23 11:04
4-Bromofluorobenzene	99.6	70-130		7/17/23 11:04

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1822

Date Received: 7/14/2023

Field Sample #: 250WATERST-SB109-SO-(20-22) Sampled: 7/13/2023 10:30

Sample ID: 23G1822-03

Sample Matrix: Soil

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	mg/Kg dry			1			SW-846 8260D	7/17/23	7/17/23 11:04	MFF

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1822

Date Received: 7/14/2023

Field Sample #: 250WATERST-SB109-SO-(20-22) Sampled: 7/13/2023 10:30

Sample ID: 23G1822-03

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	0.79	0.055	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:36	AR2
Benzaldehyde	ND	0.40	0.039	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:36	AR2
Biphenyl	ND	0.79	0.063	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:36	AR2
Caprolactam	ND	0.40	0.057	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:36	AR2
Acenaphthene	ND	0.20	0.077	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:36	AR2
Acenaphthylene	ND	0.20	0.079	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:36	AR2
Acetophenone	ND	0.40	0.079	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:36	AR2
Anthracene	ND	0.20	0.078	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:36	AR2
Benzo(a)anthracene	ND	0.20	0.073	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:36	AR2
Benzo(a)pyrene	ND	0.20	0.067	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:36	AR2
Benzo(b)fluoranthene	ND	0.20	0.068	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:36	AR2
Benzo(g,h,i)perylene	ND	0.20	0.084	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:36	AR2
Benzo(k)fluoranthene	ND	0.20	0.073	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:36	AR2
Bis(2-chloroethoxy)methane	ND	0.40	0.079	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:36	AR2
Bis(2-chloroethyl)ether	ND	0.40	0.085	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:36	AR2
Bis(2-chloroisopropyl)ether	ND	0.40	0.17	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:36	AR2
Bis(2-Ethylhexyl)phthalate	ND	0.40	0.082	mg/Kg dry	1	V-06	SW-846 8270E	7/27/23	7/29/23 20:36	AR2
4-Bromophenylphenylether	ND	0.40	0.083	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:36	AR2
Butylbenzylphthalate	ND	0.40	0.076	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:36	AR2
Carbazole	ND	0.20	0.078	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:36	AR2
4-Chloroaniline	ND	0.78	0.071	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:36	AR2
4-Chloro-3-methylphenol	ND	0.78	0.080	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:36	AR2
2-Chloronaphthalene	ND	0.40	0.071	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:36	AR2
2-Chlorophenol	ND	0.40	0.081	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:36	AR2
4-Chlorophenylphenylether	ND	0.40	0.078	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:36	AR2
Chrysene	ND	0.20	0.073	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:36	AR2
Dibenz(a,h)anthracene	ND	0.20	0.078	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:36	AR2
Dibenzofuran	ND	0.40	0.079	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:36	AR2
Di-n-butylphthalate	ND	0.40	0.073	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:36	AR2
3,3-Dichlorobenzidine	ND	0.20	0.053	mg/Kg dry	1	V-06	SW-846 8270E	7/27/23	7/29/23 20:36	AR2
2,4-Dichlorophenol	ND	0.40	0.078	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:36	AR2
Diethylphthalate	ND	0.40	0.078	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:36	AR2
2,4-Dimethylphenol	ND	0.40	0.10	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:36	AR2
Dimethylphthalate	ND	0.40	0.083	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:36	AR2
4,6-Dinitro-2-methylphenol	ND	0.40	0.33	mg/Kg dry	1	L-04, V-04, V-06, V-35	SW-846 8270E	7/27/23	7/29/23 20:36	AR2
2,4-Dinitrophenol	ND	0.78	0.35	mg/Kg dry	1	L-04, V-04, V-06, V-35	SW-846 8270E	7/27/23	7/29/23 20:36	AR2
2,4-Dinitrotoluene	ND	0.40	0.080	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:36	AR2
2,6-Dinitrotoluene	ND	0.40	0.091	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:36	AR2
Di-n-octylphthalate	ND	0.40	0.080	mg/Kg dry	1	V-06	SW-846 8270E	7/27/23	7/29/23 20:36	AR2
Fluoranthene	ND	0.20	0.072	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:36	AR2
Fluorene	ND	0.20	0.078	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:36	AR2
Hexachlorobenzene	ND	0.40	0.084	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:36	AR2
Hexachlorobutadiene	ND	0.40	0.081	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:36	AR2

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1822

Date Received: 7/14/2023

Field Sample #: 250WATERST-SB109-SO-(20-22) Sampled: 7/13/2023 10:30

Sample ID: 23G1822-03

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorocyclopentadiene	ND	0.40	0.26	mg/Kg dry	1	V-06	SW-846 8270E	7/27/23	7/29/23 20:36	AR2
Hexachloroethane	ND	0.40	0.079	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:36	AR2
Indeno(1,2,3-cd)pyrene	ND	0.20	0.088	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:36	AR2
Isophorone	ND	0.40	0.082	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:36	AR2
2-Methylnaphthalene	ND	0.20	0.079	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:36	AR2
2-Methylphenol	ND	0.40	0.080	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:36	AR2
3/4-Methylphenol	ND	0.40	0.088	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:36	AR2
Naphthalene	ND	0.20	0.081	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:36	AR2
2-Nitroaniline	ND	0.40	0.080	mg/Kg dry	1	V-06	SW-846 8270E	7/27/23	7/29/23 20:36	AR2
3-Nitroaniline	ND	0.40	0.095	mg/Kg dry	1	V-06	SW-846 8270E	7/27/23	7/29/23 20:36	AR2
4-Nitroaniline	ND	0.40	0.068	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:36	AR2
Nitrobenzene	ND	0.40	0.087	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:36	AR2
2-Nitrophenol	ND	0.40	0.083	mg/Kg dry	1	V-06	SW-846 8270E	7/27/23	7/29/23 20:36	AR2
4-Nitrophenol	ND	0.78	0.17	mg/Kg dry	1	V-06	SW-846 8270E	7/27/23	7/29/23 20:36	AR2
N-Nitrosodiphenylamine/Diphenylamine	ND	0.40	0.081	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:36	AR2
N-Nitrosodi-n-propylamine	ND	0.40	0.087	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:36	AR2
Pentachlorophenol	ND	0.40	0.18	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:36	AR2
Phenanthrene	ND	0.20	0.079	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:36	AR2
Phenol	ND	0.40	0.094	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:36	AR2
Pyrene	ND	0.20	0.080	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:36	AR2
1,2,4,5-Tetrachlorobenzene	ND	0.40	0.082	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:36	AR2
2,4,5-Trichlorophenol	ND	0.40	0.078	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:36	AR2
2,4,6-Trichlorophenol	ND	0.40	0.077	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:36	AR2

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	68.3	30-130		7/29/23 20:36
Phenol-d6	73.3	30-130		7/29/23 20:36
Nitrobenzene-d5	81.6	30-130		7/29/23 20:36
2-Fluorobiphenyl	76.6	30-130		7/29/23 20:36
2,4,6-Tribromophenol	90.0	30-130		7/29/23 20:36
p-Terphenyl-d14	98.3	30-130		7/29/23 20:36

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1822

Date Received: 7/14/2023

Field Sample #: 250WATERST-SB109-SO-(20-22) Sampled: 7/13/2023 10:30

Sample ID: 23G1822-03

Sample Matrix: Soil

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.058	0.024	mg/Kg dry	1		SW-846 8270E	7/19/23	7/26/23 12:14	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,4-Dioxane-d8	58.4	15-110		7/26/23 12:14

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1822

Date Received: 7/14/2023

Field Sample #: 250WATERST-SB109-SO-(20-22) Sampled: 7/13/2023 10:30

Sample ID: 23G1822-03

Sample Matrix: Soil

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4a,8,8-Tetramethyldecahyd...	1.2	mg/Kg dry	767539	9.729	1	074022-04-1	81	SW-846 8270E	7/27/23	7/29/23 20:36	AR2
3-Hexen-2-one	3.5	mg/Kg dry	1956390	2.37	1	000763-93-9	91	SW-846 8270E	7/27/23	7/29/23 20:36	AR2
Butane, 2,2,3,3-tetramethyl-	21	mg/Kg dry	11840200	1.865	1	000594-82-1	83	SW-846 8270E	7/27/23	7/29/23 20:36	AR2
Friedelan-3-one	16	mg/Kg dry	10526000	11.019	1	000559-74-0	98	SW-846 8270E	7/27/23	7/29/23 20:36	AR2
Furan, 2,5-dimethyl-	1.8	mg/Kg dry	1003680	1.948	1	000625-86-5	95	SW-846 8270E	7/27/23	7/29/23 20:36	AR2
Tentatively Identified Compounds	0.0	mg/Kg dry			1	NA		SW-846 8270E	7/27/23	7/29/23 20:36	AR2

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1822

Date Received: 7/14/2023

Field Sample #: 250WATERST-SB109-SO-(20-22) Sampled: 7/13/2023 10:30

Sample ID: 23G1822-03

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [1]	ND	0.023	0.0070	mg/Kg dry	1		SW-846 8081B	7/19/23	7/25/23 22:04	TG
Aldrin [1]	ND	0.0059	0.00058	mg/Kg dry	1		SW-846 8081B	7/19/23	7/25/23 22:04	TG
alpha-BHC [1]	ND	0.0059	0.0032	mg/Kg dry	1		SW-846 8081B	7/19/23	7/25/23 22:04	TG
beta-BHC [1]	ND	0.0059	0.0026	mg/Kg dry	1		SW-846 8081B	7/19/23	7/25/23 22:04	TG
delta-BHC [1]	ND	0.0059	0.0039	mg/Kg dry	1		SW-846 8081B	7/19/23	7/25/23 22:04	TG
gamma-BHC (Lindane) [1]	ND	0.0023	0.00050	mg/Kg dry	1		SW-846 8081B	7/19/23	7/25/23 22:04	TG
Chlordane [1]	ND	0.023	0.0083	mg/Kg dry	1		SW-846 8081B	7/19/23	7/25/23 22:04	TG
4,4'-DDD [1]	ND	0.0047	0.00052	mg/Kg dry	1		SW-846 8081B	7/19/23	7/25/23 22:04	TG
4,4'-DDE [1]	ND	0.0047	0.00055	mg/Kg dry	1		SW-846 8081B	7/19/23	7/25/23 22:04	TG
4,4'-DDT [1]	ND	0.0047	0.00050	mg/Kg dry	1		SW-846 8081B	7/19/23	7/25/23 22:04	TG
Dieldrin [1]	ND	0.0047	0.00046	mg/Kg dry	1		SW-846 8081B	7/19/23	7/25/23 22:04	TG
Endosulfan I [1]	ND	0.0059	0.0029	mg/Kg dry	1		SW-846 8081B	7/19/23	7/25/23 22:04	TG
Endosulfan II [1]	ND	0.0094	0.0029	mg/Kg dry	1		SW-846 8081B	7/19/23	7/25/23 22:04	TG
Endosulfan sulfate [1]	ND	0.0094	0.0029	mg/Kg dry	1		SW-846 8081B	7/19/23	7/25/23 22:04	TG
Endrin [1]	ND	0.0094	0.0029	mg/Kg dry	1		SW-846 8081B	7/19/23	7/25/23 22:04	TG
Endrin aldehyde [1]	ND	0.0094	0.0058	mg/Kg dry	1		SW-846 8081B	7/19/23	7/25/23 17:50	TG
Endrin ketone [1]	ND	0.0094	0.0027	mg/Kg dry	1		SW-846 8081B	7/19/23	7/25/23 22:04	TG
Heptachlor [1]	ND	0.0059	0.00057	mg/Kg dry	1		SW-846 8081B	7/19/23	7/25/23 22:04	TG
Heptachlor epoxide [1]	ND	0.0059	0.00053	mg/Kg dry	1		SW-846 8081B	7/19/23	7/25/23 22:04	TG
Hexachlorobenzene [1]	ND	0.0070	0.0039	mg/Kg dry	1		SW-846 8081B	7/19/23	7/25/23 22:04	TG
Methoxychlor [1]	ND	0.059	0.0073	mg/Kg dry	1		SW-846 8081B	7/19/23	7/25/23 22:04	TG
Toxaphene [1]	ND	0.12	0.057	mg/Kg dry	1		SW-846 8081B	7/19/23	7/25/23 22:04	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	98.0	30-150		7/25/23 22:04
Decachlorobiphenyl [2]	93.9	30-150		7/25/23 22:04
Tetrachloro-m-xylene [1]	104	30-150		7/25/23 22:04
Tetrachloro-m-xylene [2]	97.0	30-150		7/25/23 22:04

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1822

Date Received: 7/14/2023

Field Sample #: 250WATERST-SB109-SO-(20-22) Sampled: 7/13/2023 10:30

Sample ID: 23G1822-03

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.094	0.024	mg/Kg dry	4		SW-846 8082A	7/19/23	7/21/23 15:31	SFM
Aroclor-1221 [1]	ND	0.094	0.050	mg/Kg dry	4		SW-846 8082A	7/19/23	7/21/23 15:31	SFM
Aroclor-1232 [1]	ND	0.094	0.031	mg/Kg dry	4		SW-846 8082A	7/19/23	7/21/23 15:31	SFM
Aroclor-1242 [1]	ND	0.094	0.028	mg/Kg dry	4		SW-846 8082A	7/19/23	7/21/23 15:31	SFM
Aroclor-1248 [1]	ND	0.094	0.024	mg/Kg dry	4		SW-846 8082A	7/19/23	7/21/23 15:31	SFM
Aroclor-1254 [1]	ND	0.094	0.028	mg/Kg dry	4		SW-846 8082A	7/19/23	7/21/23 15:31	SFM
Aroclor-1260 [1]	ND	0.094	0.025	mg/Kg dry	4		SW-846 8082A	7/19/23	7/21/23 15:31	SFM
Aroclor-1262 [1]	ND	0.094	0.028	mg/Kg dry	4		SW-846 8082A	7/19/23	7/21/23 15:31	SFM
Aroclor-1268 [1]	ND	0.094	0.031	mg/Kg dry	4		SW-846 8082A	7/19/23	7/21/23 15:31	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	97.5	30-150		7/21/23 15:31
Decachlorobiphenyl [2]	93.7	30-150		7/21/23 15:31
Tetrachloro-m-xylene [1]	95.3	30-150		7/21/23 15:31
Tetrachloro-m-xylene [2]	97.1	30-150		7/21/23 15:31

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1822

Date Received: 7/14/2023

Field Sample #: 250WATERST-SB109-SO-(20-22) Sampled: 7/13/2023 10:30

Sample ID: 23G1822-03

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	2900	19	14	mg/Kg dry	1		SW-846 6010D	7/24/23	7/26/23 19:36	MJH
Antimony	ND	1.9	0.40	mg/Kg dry	1		SW-846 6010D	7/24/23	7/26/23 19:36	MJH
Arsenic	1.1	3.9	0.65	mg/Kg dry	1	J	SW-846 6010D	7/24/23	7/26/23 19:36	MJH
Barium	11	1.9	0.30	mg/Kg dry	1		SW-846 6010D	7/24/23	7/26/23 19:36	MJH
Beryllium	0.20	0.19	0.057	mg/Kg dry	1		SW-846 6010D	7/24/23	7/26/23 19:36	MJH
Cadmium	ND	0.39	0.13	mg/Kg dry	1		SW-846 6010D	7/24/23	7/26/23 19:36	MJH
Calcium	830	19	3.5	mg/Kg dry	1		SW-846 6010D	7/24/23	7/26/23 19:36	MJH
Chromium	5.9	0.77	0.29	mg/Kg dry	1		SW-846 6010D	7/24/23	7/26/23 19:36	MJH
Cobalt	3.1	1.9	0.28	mg/Kg dry	1		SW-846 6010D	7/24/23	7/26/23 19:36	MJH
Copper	6.8	0.77	0.17	mg/Kg dry	1		SW-846 6010D	7/24/23	7/28/23 23:52	MJH
Iron	5300	19	12	mg/Kg dry	1		SW-846 6010D	7/24/23	7/28/23 23:52	MJH
Lead	2.4	0.58	0.32	mg/Kg dry	1		SW-846 6010D	7/24/23	7/26/23 19:36	MJH
Magnesium	2100	19	3.0	mg/Kg dry	1		SW-846 6010D	7/24/23	7/26/23 19:36	MJH
Manganese	110	0.39	0.21	mg/Kg dry	1		SW-846 6010D	7/24/23	7/26/23 19:36	MJH
Mercury	ND	0.029	0.012	mg/Kg dry	1		SW-846 7471B	7/28/23	7/28/23 13:42	AAJ
Nickel	13	0.77	0.31	mg/Kg dry	1		SW-846 6010D	7/24/23	7/26/23 19:36	MJH
Potassium	780	190	35	mg/Kg dry	1		SW-846 6010D	7/24/23	7/26/23 19:36	MJH
Selenium	ND	3.9	0.83	mg/Kg dry	1		SW-846 6010D	7/24/23	7/26/23 19:36	MJH
Silver	ND	0.39	0.13	mg/Kg dry	1		SW-846 6010D	7/24/23	7/26/23 19:36	MJH
Sodium	160	190	35	mg/Kg dry	1	J	SW-846 6010D	7/24/23	7/26/23 19:36	MJH
Thallium	ND	1.9	0.68	mg/Kg dry	1		SW-846 6010D	7/24/23	7/26/23 19:36	MJH
Vanadium	7.2	0.77	0.24	mg/Kg dry	1		SW-846 6010D	7/24/23	7/26/23 19:36	MJH
Zinc	13	0.77	0.27	mg/Kg dry	1	B-07, B	SW-846 6010D	7/24/23	7/26/23 19:36	MJH

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1822

Date Received: 7/14/2023

Field Sample #: 250WATERST-SB109-SO-(20-22) Sampled: 7/13/2023 10:30

Sample ID: 23G1822-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.3			% Wt	1		SM 2540G	7/19/23	7/19/23 14:54	ADB
Cyanide	ND	0.43	0.30	mg/Kg dry	1		SW-846 9014	7/18/23	7/20/23 5:54	MMH

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1822

Date Received: 7/14/2023

Field Sample #: 250WATERST-SB110-SO-(2-4) Sampled: 7/13/2023 12:20

Sample ID: 23G1822-04

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.023	0.092	0.0083	mg/Kg dry	1	V-06, V-35, J	SW-846 8260D	7/18/23	7/18/23 7:43	MFF
Benzene	ND	0.0018	0.00053	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:43	MFF
Bromochloromethane	ND	0.0018	0.00072	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:43	MFF
Bromodichloromethane	ND	0.0018	0.00048	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:43	MFF
Bromoform	ND	0.0018	0.00056	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:43	MFF
Bromomethane	ND	0.0092	0.0016	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:43	MFF
2-Butanone (MEK)	ND	0.037	0.0057	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:43	MFF
Carbon Disulfide	ND	0.037	0.0074	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:43	MFF
Carbon Tetrachloride	ND	0.0018	0.00072	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:43	MFF
Chlorobenzene	ND	0.0018	0.00052	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:43	MFF
Chlorodibromomethane	ND	0.00092	0.00058	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:43	MFF
Chloroethane	ND	0.018	0.0010	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:43	MFF
Chloroform	ND	0.0037	0.00058	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:43	MFF
Chloromethane	ND	0.0092	0.00091	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:43	MFF
Cyclohexane	ND	0.0092	0.0037	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:43	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0018	0.00073	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:43	MFF
1,2-Dibromoethane (EDB)	ND	0.00092	0.00070	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:43	MFF
1,2-Dichlorobenzene	ND	0.0018	0.00049	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:43	MFF
1,3-Dichlorobenzene	ND	0.0018	0.00051	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:43	MFF
1,4-Dichlorobenzene	ND	0.0018	0.00056	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:43	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.018	0.00095	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:43	MFF
1,1-Dichloroethane	ND	0.0018	0.00063	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:43	MFF
1,2-Dichloroethane	ND	0.0018	0.00061	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:43	MFF
1,1-Dichloroethylene	ND	0.0037	0.00075	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:43	MFF
cis-1,2-Dichloroethylene	ND	0.0018	0.00059	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:43	MFF
trans-1,2-Dichloroethylene	ND	0.0018	0.00067	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:43	MFF
1,2-Dichloropropane	ND	0.0018	0.00057	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:43	MFF
cis-1,3-Dichloropropene	ND	0.00092	0.00052	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:43	MFF
trans-1,3-Dichloropropene	ND	0.00092	0.00056	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:43	MFF
1,4-Dioxane	ND	0.092	0.042	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:43	MFF
Ethylbenzene	ND	0.0018	0.00055	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:43	MFF
2-Hexanone (MBK)	ND	0.018	0.0046	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:43	MFF
Isopropylbenzene (Cumene)	ND	0.0018	0.00057	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:43	MFF
Methyl Acetate	ND	0.0018	0.0013	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:43	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0037	0.00062	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:43	MFF
Methyl Cyclohexane	ND	0.0018	0.00071	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:43	MFF
Methylene Chloride	0.0035	0.018	0.00088	mg/Kg dry	1	J	SW-846 8260D	7/18/23	7/18/23 7:43	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.018	0.0041	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:43	MFF
Styrene	ND	0.0018	0.00045	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:43	MFF
1,1,2,2-Tetrachloroethane	ND	0.00092	0.00051	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:43	MFF
Tetrachloroethylene	ND	0.0018	0.00077	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:43	MFF
Toluene	ND	0.0018	0.00062	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:43	MFF
1,2,3-Trichlorobenzene	ND	0.0018	0.00052	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:43	MFF
1,2,4-Trichlorobenzene	ND	0.0018	0.00056	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:43	MFF

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1822

Date Received: 7/14/2023

Field Sample #: 250WATERST-SB110-SO-(2-4) Sampled: 7/13/2023 12:20

Sample ID: 23G1822-04

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	0.0018	0.00070	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:43	MFF
1,1,2-Trichloroethane	ND	0.0018	0.00049	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:43	MFF
Trichloroethylene	ND	0.0018	0.00074	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:43	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0092	0.00069	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:43	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0092	0.00079	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:43	MFF
Vinyl Chloride	ND	0.0092	0.00068	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:43	MFF
Xylenes (total)	ND	0.0018	0.0018	mg/Kg dry	1		SW-846 8260D	7/18/23	7/18/23 7:43	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	116	70-130		7/18/23	7:43
Toluene-d8	96.3	70-130		7/18/23	7:43
4-Bromofluorobenzene	89.1	70-130		7/18/23	7:43

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1822

Date Received: 7/14/2023

Field Sample #: 250WATERST-SB110-SO-(2-4) Sampled: 7/13/2023 12:20

Sample ID: 23G1822-04

Sample Matrix: Soil

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	mg/Kg dry			1			SW-846 8260D	7/18/23	7/18/23 7:43	MFF

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1822

Date Received: 7/14/2023

Field Sample #: 250WATERST-SB110-SO-(2-4) Sampled: 7/13/2023 12:20

Sample ID: 23G1822-04

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	0.76	0.053	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:56	AR2
Benzaldehyde	ND	0.38	0.037	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:56	AR2
Biphenyl	ND	0.76	0.060	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:56	AR2
Caprolactam	0.41	0.38	0.055	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:56	AR2
Acenaphthene	ND	0.19	0.073	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:56	AR2
Acenaphthylene	ND	0.19	0.075	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:56	AR2
Acetophenone	ND	0.38	0.075	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:56	AR2
Anthracene	ND	0.19	0.074	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:56	AR2
Benzo(a)anthracene	0.11	0.19	0.069	mg/Kg dry	1	J	SW-846 8270E	7/27/23	7/29/23 20:56	AR2
Benzo(a)pyrene	0.18	0.19	0.064	mg/Kg dry	1	J	SW-846 8270E	7/27/23	7/29/23 20:56	AR2
Benzo(b)fluoranthene	0.31	0.19	0.065	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:56	AR2
Benzo(g,h,i)perylene	0.29	0.19	0.080	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:56	AR2
Benzo(k)fluoranthene	0.12	0.19	0.069	mg/Kg dry	1	J	SW-846 8270E	7/27/23	7/29/23 20:56	AR2
Bis(2-chloroethoxy)methane	ND	0.38	0.075	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:56	AR2
Bis(2-chloroethyl)ether	ND	0.38	0.081	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:56	AR2
Bis(2-chloroisopropyl)ether	ND	0.38	0.16	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:56	AR2
Bis(2-Ethylhexyl)phthalate	ND	0.38	0.078	mg/Kg dry	1	V-06	SW-846 8270E	7/27/23	7/29/23 20:56	AR2
4-Bromophenylphenylether	ND	0.38	0.079	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:56	AR2
Butylbenzylphthalate	ND	0.38	0.072	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:56	AR2
Carbazole	ND	0.19	0.075	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:56	AR2
4-Chloroaniline	ND	0.75	0.068	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:56	AR2
4-Chloro-3-methylphenol	ND	0.75	0.076	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:56	AR2
2-Chloronaphthalene	ND	0.38	0.068	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:56	AR2
2-Chlorophenol	ND	0.38	0.078	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:56	AR2
4-Chlorophenylphenylether	ND	0.38	0.074	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:56	AR2
Chrysene	0.11	0.19	0.069	mg/Kg dry	1	J	SW-846 8270E	7/27/23	7/29/23 20:56	AR2
Dibenz(a,h)anthracene	ND	0.19	0.074	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:56	AR2
Dibenzofuran	ND	0.38	0.075	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:56	AR2
Di-n-butylphthalate	ND	0.38	0.070	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:56	AR2
3,3-Dichlorobenzidine	ND	0.19	0.051	mg/Kg dry	1	V-06	SW-846 8270E	7/27/23	7/29/23 20:56	AR2
2,4-Dichlorophenol	ND	0.38	0.074	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:56	AR2
Diethylphthalate	ND	0.38	0.074	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:56	AR2
2,4-Dimethylphenol	ND	0.38	0.10	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:56	AR2
Dimethylphthalate	ND	0.38	0.079	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:56	AR2
4,6-Dinitro-2-methylphenol	ND	0.38	0.31	mg/Kg dry	1	L-04, V-04, V-06, V-35	SW-846 8270E	7/27/23	7/29/23 20:56	AR2
2,4-Dinitrophenol	ND	0.75	0.34	mg/Kg dry	1	L-04, V-04, V-06, V-35	SW-846 8270E	7/27/23	7/29/23 20:56	AR2
2,4-Dinitrotoluene	ND	0.38	0.077	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:56	AR2
2,6-Dinitrotoluene	ND	0.38	0.087	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:56	AR2
Di-n-octylphthalate	ND	0.38	0.076	mg/Kg dry	1	V-06	SW-846 8270E	7/27/23	7/29/23 20:56	AR2
Fluoranthene	0.080	0.19	0.068	mg/Kg dry	1	J	SW-846 8270E	7/27/23	7/29/23 20:56	AR2
Fluorene	ND	0.19	0.075	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:56	AR2
Hexachlorobenzene	ND	0.38	0.080	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:56	AR2
Hexachlorobutadiene	ND	0.38	0.078	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:56	AR2

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1822

Date Received: 7/14/2023

Field Sample #: 250WATERST-SB110-SO-(2-4) Sampled: 7/13/2023 12:20

Sample ID: 23G1822-04

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorocyclopentadiene	ND	0.38	0.25	mg/Kg dry	1	V-06	SW-846 8270E	7/27/23	7/29/23 20:56	AR2
Hexachloroethane	ND	0.38	0.075	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:56	AR2
Indeno(1,2,3-cd)pyrene	0.27	0.19	0.084	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:56	AR2
Isophorone	ND	0.38	0.079	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:56	AR2
2-Methylnaphthalene	ND	0.19	0.075	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:56	AR2
2-Methylphenol	ND	0.38	0.076	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:56	AR2
3/4-Methylphenol	ND	0.38	0.084	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:56	AR2
Naphthalene	ND	0.19	0.077	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:56	AR2
2-Nitroaniline	ND	0.38	0.077	mg/Kg dry	1	V-06	SW-846 8270E	7/27/23	7/29/23 20:56	AR2
3-Nitroaniline	ND	0.38	0.091	mg/Kg dry	1	V-06	SW-846 8270E	7/27/23	7/29/23 20:56	AR2
4-Nitroaniline	ND	0.38	0.065	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:56	AR2
Nitrobenzene	ND	0.38	0.083	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:56	AR2
2-Nitrophenol	ND	0.38	0.079	mg/Kg dry	1	V-06	SW-846 8270E	7/27/23	7/29/23 20:56	AR2
4-Nitrophenol	ND	0.75	0.16	mg/Kg dry	1	V-06	SW-846 8270E	7/27/23	7/29/23 20:56	AR2
N-Nitrosodiphenylamine/Diphenylamine	ND	0.38	0.077	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:56	AR2
N-Nitrosodi-n-propylamine	ND	0.38	0.083	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:56	AR2
Pentachlorophenol	ND	0.38	0.17	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:56	AR2
Phenanthrene	ND	0.19	0.075	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:56	AR2
Phenol	ND	0.38	0.089	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:56	AR2
Pyrene	0.11	0.19	0.077	mg/Kg dry	1	J	SW-846 8270E	7/27/23	7/29/23 20:56	AR2
1,2,4,5-Tetrachlorobenzene	ND	0.38	0.079	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:56	AR2
2,4,5-Trichlorophenol	ND	0.38	0.074	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:56	AR2
2,4,6-Trichlorophenol	ND	0.38	0.073	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 20:56	AR2

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	69.3	30-130		7/29/23 20:56
Phenol-d6	81.3	30-130		7/29/23 20:56
Nitrobenzene-d5	90.1	30-130		7/29/23 20:56
2-Fluorobiphenyl	80.4	30-130		7/29/23 20:56
2,4,6-Tribromophenol	65.8	30-130		7/29/23 20:56
p-Terphenyl-d14	99.2	30-130		7/29/23 20:56

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1822

Date Received: 7/14/2023

Field Sample #: 250WATERST-SB110-SO-(2-4) Sampled: 7/13/2023 12:20

Sample ID: 23G1822-04

Sample Matrix: Soil

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.056	0.023	mg/Kg dry	1		SW-846 8270E	7/19/23	7/26/23 12:34	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,4-Dioxane-d8	58.1	15-110		7/26/23 12:34

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1822

Date Received: 7/14/2023

Field Sample #: 250WATERST-SB110-SO-(2-4) Sampled: 7/13/2023 12:20

Sample ID: 23G1822-04

Sample Matrix: Soil

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
28-Nor-17.beta.(H)-hopane	0.85	mg/Kg dry	482093	12.536	1	036728-72-0	86	SW-846 8270E	7/27/23	7/29/23 20:56	AR2
3-Penten-2-one, 4-methyl-	2.7	mg/Kg dry	1382380	2.368	1	000141-79-7	91	SW-846 8270E	7/27/23	7/29/23 20:56	AR2
Butane, 2,2,3,3-tetramethyl-	20	mg/Kg dry	10279800	1.866	1	000594-82-1	83	SW-846 8270E	7/27/23	7/29/23 20:56	AR2
Tentatively Identified Compounds	0.0	mg/Kg dry			1	NA		SW-846 8270E	7/27/23	7/29/23 20:56	AR2

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1822

Date Received: 7/14/2023

Field Sample #: 250WATERST-SB110-SO-(2-4) Sampled: 7/13/2023 12:20

Sample ID: 23G1822-04

Sample Matrix: Soil

Sample Flags: DL-03

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [1]	ND	0.42	0.12	mg/Kg dry	20		SW-846 8081B	7/19/23	7/25/23 22:30	TG
Aldrin [1]	ND	0.10	0.010	mg/Kg dry	20		SW-846 8081B	7/19/23	7/25/23 22:30	TG
alpha-BHC [1]	ND	0.10	0.057	mg/Kg dry	20		SW-846 8081B	7/19/23	7/25/23 22:30	TG
beta-BHC [1]	ND	0.10	0.047	mg/Kg dry	20		SW-846 8081B	7/19/23	7/25/23 22:30	TG
delta-BHC [1]	ND	0.10	0.069	mg/Kg dry	20		SW-846 8081B	7/19/23	7/25/23 22:30	TG
gamma-BHC (Lindane) [1]	ND	0.042	0.0089	mg/Kg dry	20		SW-846 8081B	7/19/23	7/25/23 22:30	TG
Chlordane [1]	ND	0.42	0.15	mg/Kg dry	20		SW-846 8081B	7/19/23	7/25/23 22:30	TG
4,4'-DDD [1]	ND	0.084	0.0093	mg/Kg dry	20		SW-846 8081B	7/19/23	7/25/23 22:30	TG
4,4'-DDE [1]	ND	0.084	0.0098	mg/Kg dry	20		SW-846 8081B	7/19/23	7/25/23 22:30	TG
4,4'-DDT [1]	ND	0.084	0.0089	mg/Kg dry	20		SW-846 8081B	7/19/23	7/25/23 22:30	TG
Dieldrin [1]	ND	0.084	0.0082	mg/Kg dry	20		SW-846 8081B	7/19/23	7/25/23 22:30	TG
Endosulfan I [1]	ND	0.10	0.051	mg/Kg dry	20		SW-846 8081B	7/19/23	7/25/23 22:30	TG
Endosulfan II [1]	ND	0.17	0.051	mg/Kg dry	20		SW-846 8081B	7/19/23	7/25/23 22:30	TG
Endosulfan sulfate [1]	ND	0.17	0.052	mg/Kg dry	20		SW-846 8081B	7/19/23	7/25/23 22:30	TG
Endrin [1]	ND	0.17	0.052	mg/Kg dry	20		SW-846 8081B	7/19/23	7/25/23 22:30	TG
Endrin aldehyde [1]	ND	0.17	0.10	mg/Kg dry	20		SW-846 8081B	7/19/23	7/25/23 18:18	TG
Endrin ketone [1]	ND	0.17	0.048	mg/Kg dry	20		SW-846 8081B	7/19/23	7/25/23 22:30	TG
Heptachlor [1]	ND	0.10	0.010	mg/Kg dry	20		SW-846 8081B	7/19/23	7/25/23 22:30	TG
Heptachlor epoxide [1]	ND	0.10	0.0094	mg/Kg dry	20		SW-846 8081B	7/19/23	7/25/23 22:30	TG
Hexachlorobenzene [1]	ND	0.13	0.070	mg/Kg dry	20		SW-846 8081B	7/19/23	7/25/23 22:30	TG
Methoxychlor [1]	ND	1.0	0.13	mg/Kg dry	20		SW-846 8081B	7/19/23	7/25/23 22:30	TG
Toxaphene [1]	ND	2.1	1.0	mg/Kg dry	20		SW-846 8081B	7/19/23	7/25/23 22:30	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	95.4	30-150		7/25/23 22:30
Decachlorobiphenyl [2]	95.3	30-150		7/25/23 22:30
Tetrachloro-m-xylene [1]	99.1	30-150		7/25/23 22:30
Tetrachloro-m-xylene [2]	100	30-150		7/25/23 22:30

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1822

Date Received: 7/14/2023

Field Sample #: 250WATERST-SB110-SO-(2-4) Sampled: 7/13/2023 12:20

Sample ID: 23G1822-04

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.084	0.022	mg/Kg dry	4		SW-846 8082A	7/19/23	7/27/23 22:06	SFM
Aroclor-1221 [1]	ND	0.084	0.045	mg/Kg dry	4		SW-846 8082A	7/19/23	7/27/23 22:06	SFM
Aroclor-1232 [1]	ND	0.084	0.027	mg/Kg dry	4		SW-846 8082A	7/19/23	7/27/23 22:06	SFM
Aroclor-1242 [1]	ND	0.084	0.025	mg/Kg dry	4		SW-846 8082A	7/19/23	7/27/23 22:06	SFM
Aroclor-1248 [1]	ND	0.084	0.021	mg/Kg dry	4		SW-846 8082A	7/19/23	7/27/23 22:06	SFM
Aroclor-1254 [1]	ND	0.084	0.025	mg/Kg dry	4		SW-846 8082A	7/19/23	7/27/23 22:06	SFM
Aroclor-1260 [1]	ND	0.084	0.022	mg/Kg dry	4		SW-846 8082A	7/19/23	7/27/23 22:06	SFM
Aroclor-1262 [1]	ND	0.084	0.025	mg/Kg dry	4		SW-846 8082A	7/19/23	7/27/23 22:06	SFM
Aroclor-1268 [1]	ND	0.084	0.028	mg/Kg dry	4		SW-846 8082A	7/19/23	7/27/23 22:06	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	86.8	30-150		7/27/23 22:06
Decachlorobiphenyl [2]	79.1	30-150		7/27/23 22:06
Tetrachloro-m-xylene [1]	88.2	30-150		7/27/23 22:06
Tetrachloro-m-xylene [2]	88.1	30-150		7/27/23 22:06

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1822

Date Received: 7/14/2023

Field Sample #: 250WATERST-SB110-SO-(2-4) Sampled: 7/13/2023 12:20

Sample ID: 23G1822-04

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	8000	19	14	mg/Kg dry	1	MS-19	SW-846 6010D	7/24/23	7/26/23 19:09	MJH
Antimony	ND	1.9	0.39	mg/Kg dry	1		SW-846 6010D	7/24/23	7/28/23 23:42	MJH
Arsenic	4.4	3.7	0.63	mg/Kg dry	1		SW-846 6010D	7/24/23	7/26/23 19:09	MJH
Barium	60	1.9	0.29	mg/Kg dry	1		SW-846 6010D	7/24/23	7/28/23 23:42	MJH
Beryllium	0.35	0.19	0.055	mg/Kg dry	1		SW-846 6010D	7/24/23	7/26/23 19:09	MJH
Cadmium	ND	0.37	0.12	mg/Kg dry	1		SW-846 6010D	7/24/23	7/26/23 19:09	MJH
Calcium	57000	370	67	mg/Kg dry	20	MS-19	SW-846 6010D	7/24/23	7/29/23 1:06	MJH
Chromium	14	0.75	0.28	mg/Kg dry	1		SW-846 6010D	7/24/23	7/26/23 19:09	MJH
Cobalt	4.3	1.9	0.27	mg/Kg dry	1		SW-846 6010D	7/24/23	7/26/23 19:09	MJH
Copper	32	0.75	0.16	mg/Kg dry	1		SW-846 6010D	7/24/23	7/28/23 23:42	MJH
Iron	9200	19	12	mg/Kg dry	1	MS-19	SW-846 6010D	7/24/23	7/28/23 23:42	MJH
Lead	36	0.56	0.31	mg/Kg dry	1		SW-846 6010D	7/24/23	7/26/23 19:09	MJH
Magnesium	11000	370	58	mg/Kg dry	20	MS-19	SW-846 6010D	7/24/23	7/29/23 1:06	MJH
Manganese	210	0.37	0.20	mg/Kg dry	1	MS-19	SW-846 6010D	7/24/23	7/26/23 19:09	MJH
Mercury	0.029	0.028	0.012	mg/Kg dry	1		SW-846 7471B	7/28/23	7/28/23 13:43	AAJ
Nickel	11	0.75	0.30	mg/Kg dry	1		SW-846 6010D	7/24/23	7/26/23 19:09	MJH
Potassium	930	190	34	mg/Kg dry	1	MS-19	SW-846 6010D	7/24/23	7/26/23 19:09	MJH
Selenium	ND	3.7	0.80	mg/Kg dry	1		SW-846 6010D	7/24/23	7/26/23 19:09	MJH
Silver	ND	0.37	0.12	mg/Kg dry	1		SW-846 6010D	7/24/23	7/26/23 19:09	MJH
Sodium	330	190	33	mg/Kg dry	1	MS-07A	SW-846 6010D	7/24/23	7/28/23 23:42	MJH
Thallium	ND	1.9	0.65	mg/Kg dry	1		SW-846 6010D	7/24/23	7/26/23 19:09	MJH
Vanadium	23	0.75	0.23	mg/Kg dry	1		SW-846 6010D	7/24/23	7/26/23 19:09	MJH
Zinc	53	0.75	0.26	mg/Kg dry	1	B-07, B	SW-846 6010D	7/24/23	7/26/23 19:09	MJH

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1822

Date Received: 7/14/2023

Field Sample #: 250WATERST-SB110-SO-(2-4) Sampled: 7/13/2023 12:20

Sample ID: 23G1822-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.3			% Wt	1		SM 2540G	7/19/23	7/19/23 14:54	ADB
Cyanide	0.41	0.45	0.32	mg/Kg dry	1	J	SW-846 9014	7/18/23	7/20/23 5:54	MMH

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1822

Date Received: 7/14/2023

Field Sample #: 250WATERST-SS-DUP Sampled: 7/13/2023 00:00

Sample ID: 23G1822-05

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.027	0.091	0.0082	mg/Kg dry	1	J	SW-846 8260D	7/17/23	7/17/23 11:30	MFF
Benzene	0.0011	0.0018	0.00053	mg/Kg dry	1	J	SW-846 8260D	7/17/23	7/17/23 11:30	MFF
Bromochloromethane	ND	0.0018	0.00071	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:30	MFF
Bromodichloromethane	ND	0.0018	0.00047	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:30	MFF
Bromoform	ND	0.0018	0.00055	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:30	MFF
Bromomethane	ND	0.0091	0.0016	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:30	MFF
2-Butanone (MEK)	ND	0.036	0.0057	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:30	MFF
Carbon Disulfide	ND	0.0091	0.0073	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:30	MFF
Carbon Tetrachloride	ND	0.0018	0.00071	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:30	MFF
Chlorobenzene	ND	0.0018	0.00051	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:30	MFF
Chlorodibromomethane	ND	0.00091	0.00057	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:30	MFF
Chloroethane	ND	0.018	0.0010	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:30	MFF
Chloroform	ND	0.0036	0.00057	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:30	MFF
Chloromethane	ND	0.0091	0.00090	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:30	MFF
Cyclohexane	ND	0.0091	0.0037	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:30	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0018	0.00072	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:30	MFF
1,2-Dibromoethane (EDB)	ND	0.00091	0.00069	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:30	MFF
1,2-Dichlorobenzene	ND	0.0018	0.00048	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:30	MFF
1,3-Dichlorobenzene	ND	0.0018	0.00050	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:30	MFF
1,4-Dichlorobenzene	ND	0.0018	0.00055	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:30	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.018	0.00094	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:30	MFF
1,1-Dichloroethane	ND	0.0018	0.00062	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:30	MFF
1,2-Dichloroethane	ND	0.0018	0.00061	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:30	MFF
1,1-Dichloroethylene	ND	0.0036	0.00074	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:30	MFF
cis-1,2-Dichloroethylene	ND	0.0018	0.00058	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:30	MFF
trans-1,2-Dichloroethylene	ND	0.0018	0.00066	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:30	MFF
1,2-Dichloropropane	ND	0.0018	0.00056	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:30	MFF
cis-1,3-Dichloropropene	ND	0.00091	0.00051	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:30	MFF
trans-1,3-Dichloropropene	ND	0.00091	0.00055	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:30	MFF
1,4-Dioxane	ND	0.091	0.041	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:30	MFF
Ethylbenzene	ND	0.0018	0.00054	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:30	MFF
2-Hexanone (MBK)	ND	0.018	0.0046	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:30	MFF
Isopropylbenzene (Cumene)	ND	0.0018	0.00056	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:30	MFF
Methyl Acetate	ND	0.0018	0.0013	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:30	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0036	0.00061	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:30	MFF
Methyl Cyclohexane	0.0028	0.0018	0.00070	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:30	MFF
Methylene Chloride	0.0017	0.018	0.00087	mg/Kg dry	1	J	SW-846 8260D	7/17/23	7/17/23 11:30	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.018	0.0040	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:30	MFF
Styrene	ND	0.0018	0.00045	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:30	MFF
1,1,2,2-Tetrachloroethane	ND	0.00091	0.00050	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:30	MFF
Tetrachloroethylene	ND	0.0018	0.00076	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:30	MFF
Toluene	ND	0.0018	0.00061	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:30	MFF
1,2,3-Trichlorobenzene	ND	0.0036	0.00051	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:30	MFF
1,2,4-Trichlorobenzene	ND	0.0018	0.00055	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:30	MFF

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1822

Date Received: 7/14/2023

Field Sample #: 250WATERST-SS-DUP Sampled: 7/13/2023 00:00

Sample ID: 23G1822-05

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	0.0018	0.00069	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:30	MFF
1,1,2-Trichloroethane	ND	0.0018	0.00048	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:30	MFF
Trichloroethylene	ND	0.0018	0.00073	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:30	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0091	0.00068	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:30	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0091	0.00078	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:30	MFF
Vinyl Chloride	ND	0.0091	0.00067	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:30	MFF
Xylenes (total)	ND	0.0018	0.0018	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 11:30	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	117	70-130		7/17/23 11:30
Toluene-d8	91.8	70-130		7/17/23 11:30
4-Bromofluorobenzene	88.1	70-130		7/17/23 11:30

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1822

Date Received: 7/14/2023

Field Sample #: 250WATERST-SS-DUP Sampled: 7/13/2023 00:00

Sample ID: 23G1822-05

Sample Matrix: Soil

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	mg/Kg dry			1			SW-846 8260D	7/17/23	7/17/23 11:30	MFF

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1822

Date Received: 7/14/2023

Field Sample #: 250WATERST-SS-DUP Sampled: 7/13/2023 00:00

Sample ID: 23G1822-05

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	0.79	0.055	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 21:17	AR2
Benzaldehyde	ND	0.40	0.039	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 21:17	AR2
Biphenyl	ND	0.79	0.063	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 21:17	AR2
Caprolactam	ND	0.40	0.057	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 21:17	AR2
Acenaphthene	ND	0.20	0.077	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 21:17	AR2
Acenaphthylene	ND	0.20	0.079	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 21:17	AR2
Acetophenone	ND	0.40	0.079	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 21:17	AR2
Anthracene	ND	0.20	0.078	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 21:17	AR2
Benzo(a)anthracene	0.39	0.20	0.073	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 21:17	AR2
Benzo(a)pyrene	0.49	0.20	0.067	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 21:17	AR2
Benzo(b)fluoranthene	0.60	0.20	0.068	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 21:17	AR2
Benzo(g,h,i)perylene	0.27	0.20	0.084	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 21:17	AR2
Benzo(k)fluoranthene	0.25	0.20	0.073	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 21:17	AR2
Bis(2-chloroethoxy)methane	ND	0.40	0.079	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 21:17	AR2
Bis(2-chloroethyl)ether	ND	0.40	0.084	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 21:17	AR2
Bis(2-chloroisopropyl)ether	ND	0.40	0.17	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 21:17	AR2
Bis(2-Ethylhexyl)phthalate	0.13	0.40	0.082	mg/Kg dry	1	V-06, J	SW-846 8270E	7/27/23	7/29/23 21:17	AR2
4-Bromophenylphenylether	ND	0.40	0.083	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 21:17	AR2
Butylbenzylphthalate	ND	0.40	0.076	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 21:17	AR2
Carbazole	ND	0.20	0.078	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 21:17	AR2
4-Chloroaniline	ND	0.78	0.071	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 21:17	AR2
4-Chloro-3-methylphenol	ND	0.78	0.079	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 21:17	AR2
2-Chloronaphthalene	ND	0.40	0.071	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 21:17	AR2
2-Chlorophenol	ND	0.40	0.081	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 21:17	AR2
4-Chlorophenylphenylether	ND	0.40	0.078	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 21:17	AR2
Chrysene	0.42	0.20	0.073	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 21:17	AR2
Dibenz(a,h)anthracene	ND	0.20	0.078	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 21:17	AR2
Dibenzofuran	ND	0.40	0.079	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 21:17	AR2
Di-n-butylphthalate	ND	0.40	0.073	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 21:17	AR2
3,3-Dichlorobenzidine	ND	0.20	0.053	mg/Kg dry	1	V-06	SW-846 8270E	7/27/23	7/29/23 21:17	AR2
2,4-Dichlorophenol	ND	0.40	0.078	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 21:17	AR2
Diethylphthalate	ND	0.40	0.078	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 21:17	AR2
2,4-Dimethylphenol	ND	0.40	0.10	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 21:17	AR2
Dimethylphthalate	ND	0.40	0.083	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 21:17	AR2
4,6-Dinitro-2-methylphenol	ND	0.40	0.33	mg/Kg dry	1	L-04, V-04, V-06, V-35	SW-846 8270E	7/27/23	7/29/23 21:17	AR2
2,4-Dinitrophenol	ND	0.78	0.35	mg/Kg dry	1	L-04, V-04, V-06, V-35	SW-846 8270E	7/27/23	7/29/23 21:17	AR2
2,4-Dinitrotoluene	ND	0.40	0.080	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 21:17	AR2
2,6-Dinitrotoluene	ND	0.40	0.091	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 21:17	AR2
Di-n-octylphthalate	ND	0.40	0.080	mg/Kg dry	1	V-06	SW-846 8270E	7/27/23	7/29/23 21:17	AR2
Fluoranthene	0.53	0.20	0.072	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 21:17	AR2
Fluorene	ND	0.20	0.078	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 21:17	AR2
Hexachlorobenzene	ND	0.40	0.084	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 21:17	AR2
Hexachlorobutadiene	ND	0.40	0.081	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 21:17	AR2

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1822

Date Received: 7/14/2023

Field Sample #: 250WATERST-SS-DUP Sampled: 7/13/2023 00:00

Sample ID: 23G1822-05

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorocyclopentadiene	ND	0.40	0.26	mg/Kg dry	1	V-06	SW-846 8270E	7/27/23	7/29/23 21:17	AR2
Hexachloroethane	ND	0.40	0.079	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 21:17	AR2
Indeno(1,2,3-cd)pyrene	0.30	0.20	0.088	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 21:17	AR2
Isophorone	ND	0.40	0.082	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 21:17	AR2
2-Methylnaphthalene	ND	0.20	0.079	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 21:17	AR2
2-Methylphenol	ND	0.40	0.080	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 21:17	AR2
3/4-Methylphenol	ND	0.40	0.088	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 21:17	AR2
Naphthalene	ND	0.20	0.080	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 21:17	AR2
2-Nitroaniline	ND	0.40	0.080	mg/Kg dry	1	V-06	SW-846 8270E	7/27/23	7/29/23 21:17	AR2
3-Nitroaniline	ND	0.40	0.095	mg/Kg dry	1	V-06	SW-846 8270E	7/27/23	7/29/23 21:17	AR2
4-Nitroaniline	ND	0.40	0.068	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 21:17	AR2
Nitrobenzene	ND	0.40	0.087	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 21:17	AR2
2-Nitrophenol	ND	0.40	0.083	mg/Kg dry	1	V-06	SW-846 8270E	7/27/23	7/29/23 21:17	AR2
4-Nitrophenol	ND	0.78	0.17	mg/Kg dry	1	V-06	SW-846 8270E	7/27/23	7/29/23 21:17	AR2
N-Nitrosodiphenylamine/Diphenylamine	ND	0.40	0.081	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 21:17	AR2
N-Nitrosodi-n-propylamine	ND	0.40	0.087	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 21:17	AR2
Pentachlorophenol	ND	0.40	0.18	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 21:17	AR2
Phenanthrene	0.17	0.20	0.079	mg/Kg dry	1	J	SW-846 8270E	7/27/23	7/29/23 21:17	AR2
Phenol	ND	0.40	0.094	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 21:17	AR2
Pyrene	0.89	0.20	0.080	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 21:17	AR2
1,2,4,5-Tetrachlorobenzene	ND	0.40	0.082	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 21:17	AR2
2,4,5-Trichlorophenol	ND	0.40	0.078	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 21:17	AR2
2,4,6-Trichlorophenol	ND	0.40	0.077	mg/Kg dry	1		SW-846 8270E	7/27/23	7/29/23 21:17	AR2

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	54.5	30-130		7/29/23 21:17
Phenol-d6	72.7	30-130		7/29/23 21:17
Nitrobenzene-d5	80.9	30-130		7/29/23 21:17
2-Fluorobiphenyl	75.6	30-130		7/29/23 21:17
2,4,6-Tribromophenol	50.5	30-130		7/29/23 21:17
p-Terphenyl-d14	92.4	30-130		7/29/23 21:17

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1822

Date Received: 7/14/2023

Field Sample #: 250WATERST-SS-DUP Sampled: 7/13/2023 00:00

Sample ID: 23G1822-05

Sample Matrix: Soil

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.59	0.24	mg/Kg dry	10	RL-12	SW-846 8270E	7/19/23	7/26/23 13:34	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,4-Dioxane-d8	52.6	15-110		7/26/23 13:34

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1822

Date Received: 7/14/2023

Field Sample #: 250WATERST-SS-DUP Sampled: 7/13/2023 00:00

Sample ID: 23G1822-05

Sample Matrix: Soil

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
3-Penten-2-one, 4-methyl-	2.2	mg/Kg dry	1398450	2.365	1	000141-79-7	91	SW-846 8270E	7/27/23	7/29/23 21:17	AR2
A'-Neogammacer-22(29)-ene	1.8	mg/Kg dry	1086440	14.088	1	001615-91-4	91	SW-846 8270E	7/27/23	7/29/23 21:17	AR2
Butane, 2,2,3,3-tetramethyl-	16	mg/Kg dry	10421600	1.863	1	000594-82-1	83	SW-846 8270E	7/27/23	7/29/23 21:17	AR2
n-Hexadecanoic acid	0.55	mg/Kg dry	587115	6.479	1	000057-10-3	98	SW-846 8270E	7/27/23	7/29/23 21:17	AR2
Tentatively Identified Compounds	0.0	mg/Kg dry			1	NA		SW-846 8270E	7/27/23	7/29/23 21:17	AR2

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1822

Date Received: 7/14/2023

Field Sample #: 250WATERST-SS-DUP Sampled: 7/13/2023 00:00

Sample ID: 23G1822-05

Sample Matrix: Soil

Sample Flags: DL-03

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [1]	ND	1.1	0.32	mg/Kg dry	50		SW-846 8081B	7/19/23	7/25/23 22:57	TG
Aldrin [1]	ND	0.27	0.027	mg/Kg dry	50		SW-846 8081B	7/19/23	7/25/23 22:57	TG
alpha-BHC [1]	ND	0.27	0.15	mg/Kg dry	50		SW-846 8081B	7/19/23	7/25/23 22:57	TG
beta-BHC [1]	ND	0.27	0.12	mg/Kg dry	50		SW-846 8081B	7/19/23	7/25/23 22:57	TG
delta-BHC [1]	ND	0.27	0.18	mg/Kg dry	50		SW-846 8081B	7/19/23	7/25/23 22:57	TG
gamma-BHC (Lindane) [1]	ND	0.11	0.023	mg/Kg dry	50		SW-846 8081B	7/19/23	7/25/23 22:57	TG
Chlordane [1]	ND	1.1	0.38	mg/Kg dry	50		SW-846 8081B	7/19/23	7/25/23 22:57	TG
4,4'-DDD [1]	ND	0.22	0.024	mg/Kg dry	50		SW-846 8081B	7/19/23	7/25/23 22:57	TG
4,4'-DDE [2]	0.040	0.22	0.020	mg/Kg dry	50	J	SW-846 8081B	7/19/23	7/25/23 22:57	TG
4,4'-DDT [1]	ND	0.22	0.023	mg/Kg dry	50		SW-846 8081B	7/19/23	7/25/23 22:57	TG
Dieldrin [1]	ND	0.22	0.021	mg/Kg dry	50		SW-846 8081B	7/19/23	7/25/23 22:57	TG
Endosulfan I [1]	ND	0.27	0.13	mg/Kg dry	50		SW-846 8081B	7/19/23	7/25/23 22:57	TG
Endosulfan II [1]	ND	0.43	0.13	mg/Kg dry	50		SW-846 8081B	7/19/23	7/25/23 22:57	TG
Endosulfan sulfate [1]	ND	0.43	0.13	mg/Kg dry	50		SW-846 8081B	7/19/23	7/25/23 22:57	TG
Endrin [1]	ND	0.43	0.14	mg/Kg dry	50		SW-846 8081B	7/19/23	7/25/23 22:57	TG
Endrin aldehyde [1]	ND	0.43	0.27	mg/Kg dry	50		SW-846 8081B	7/19/23	7/25/23 18:46	TG
Endrin ketone [1]	ND	0.43	0.13	mg/Kg dry	50		SW-846 8081B	7/19/23	7/25/23 22:57	TG
Heptachlor [1]	ND	0.27	0.027	mg/Kg dry	50		SW-846 8081B	7/19/23	7/25/23 22:57	TG
Heptachlor epoxide [1]	ND	0.27	0.024	mg/Kg dry	50		SW-846 8081B	7/19/23	7/25/23 22:57	TG
Hexachlorobenzene [1]	ND	0.33	0.18	mg/Kg dry	50		SW-846 8081B	7/19/23	7/25/23 22:57	TG
Methoxychlor [1]	ND	2.7	0.34	mg/Kg dry	50		SW-846 8081B	7/19/23	7/25/23 22:57	TG
Toxaphene [1]	ND	5.4	2.6	mg/Kg dry	50		SW-846 8081B	7/19/23	7/25/23 22:57	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	7/25/23 22:57
Decachlorobiphenyl [2]	*	30-150	S-01	7/25/23 22:57
Tetrachloro-m-xylene [1]	*	30-150	S-01	7/25/23 22:57
Tetrachloro-m-xylene [2]	*	30-150	S-01	7/25/23 22:57

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1822

Date Received: 7/14/2023

Field Sample #: 250WATERST-SS-DUP Sampled: 7/13/2023 00:00

Sample ID: 23G1822-05

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	0.023	mg/Kg dry	4		SW-846 8082A	7/19/23	7/21/23 15:48	SFM
Aroclor-1221 [1]	ND	0.087	0.047	mg/Kg dry	4		SW-846 8082A	7/19/23	7/21/23 15:48	SFM
Aroclor-1232 [1]	ND	0.087	0.028	mg/Kg dry	4		SW-846 8082A	7/19/23	7/21/23 15:48	SFM
Aroclor-1242 [1]	ND	0.087	0.026	mg/Kg dry	4		SW-846 8082A	7/19/23	7/21/23 15:48	SFM
Aroclor-1248 [1]	ND	0.087	0.022	mg/Kg dry	4		SW-846 8082A	7/19/23	7/21/23 15:48	SFM
Aroclor-1254 [1]	ND	0.087	0.026	mg/Kg dry	4		SW-846 8082A	7/19/23	7/21/23 15:48	SFM
Aroclor-1260 [1]	ND	0.087	0.023	mg/Kg dry	4		SW-846 8082A	7/19/23	7/21/23 15:48	SFM
Aroclor-1262 [1]	ND	0.087	0.026	mg/Kg dry	4		SW-846 8082A	7/19/23	7/21/23 15:48	SFM
Aroclor-1268 [1]	ND	0.087	0.029	mg/Kg dry	4		SW-846 8082A	7/19/23	7/21/23 15:48	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	85.6	30-150		7/21/23 15:48
Decachlorobiphenyl [2]	83.7	30-150		7/21/23 15:48
Tetrachloro-m-xylene [1]	93.9	30-150		7/21/23 15:48
Tetrachloro-m-xylene [2]	95.1	30-150		7/21/23 15:48

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1822

Date Received: 7/14/2023

Field Sample #: 250WATERST-SS-DUP Sampled: 7/13/2023 00:00

Sample ID: 23G1822-05

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	5900	19	14	mg/Kg dry	1		SW-846 6010D	7/24/23	7/26/23 19:43	MJH
Antimony	1.0	1.9	0.40	mg/Kg dry	1	J	SW-846 6010D	7/24/23	7/26/23 19:43	MJH
Arsenic	3.9	3.8	0.64	mg/Kg dry	1		SW-846 6010D	7/24/23	7/26/23 19:43	MJH
Barium	53	1.9	0.29	mg/Kg dry	1		SW-846 6010D	7/24/23	7/26/23 19:43	MJH
Beryllium	0.30	0.19	0.057	mg/Kg dry	1		SW-846 6010D	7/24/23	7/26/23 19:43	MJH
Cadmium	ND	0.38	0.13	mg/Kg dry	1		SW-846 6010D	7/24/23	7/26/23 19:43	MJH
Calcium	72000	380	69	mg/Kg dry	20		SW-846 6010D	7/24/23	7/29/23 1:29	MJH
Chromium	13	0.77	0.28	mg/Kg dry	1		SW-846 6010D	7/24/23	7/26/23 19:43	MJH
Cobalt	3.8	1.9	0.28	mg/Kg dry	1		SW-846 6010D	7/24/23	7/26/23 19:43	MJH
Copper	22	0.77	0.17	mg/Kg dry	1		SW-846 6010D	7/24/23	7/28/23 23:57	MJH
Iron	8600	19	12	mg/Kg dry	1		SW-846 6010D	7/24/23	7/28/23 23:57	MJH
Lead	37	0.57	0.32	mg/Kg dry	1		SW-846 6010D	7/24/23	7/26/23 19:43	MJH
Magnesium	27000	380	60	mg/Kg dry	20		SW-846 6010D	7/24/23	7/29/23 1:29	MJH
Manganese	210	0.38	0.20	mg/Kg dry	1		SW-846 6010D	7/24/23	7/26/23 19:43	MJH
Mercury	0.15	0.030	0.013	mg/Kg dry	1		SW-846 7471B	7/28/23	7/28/23 13:45	AAJ
Nickel	11	0.77	0.31	mg/Kg dry	1		SW-846 6010D	7/24/23	7/26/23 19:43	MJH
Potassium	1200	190	35	mg/Kg dry	1		SW-846 6010D	7/24/23	7/26/23 19:43	MJH
Selenium	ND	3.8	0.82	mg/Kg dry	1		SW-846 6010D	7/24/23	7/26/23 19:43	MJH
Silver	ND	0.38	0.13	mg/Kg dry	1		SW-846 6010D	7/24/23	7/26/23 19:43	MJH
Sodium	350	190	34	mg/Kg dry	1		SW-846 6010D	7/24/23	7/26/23 19:43	MJH
Thallium	ND	1.9	0.67	mg/Kg dry	1		SW-846 6010D	7/24/23	7/26/23 19:43	MJH
Vanadium	42	0.77	0.24	mg/Kg dry	1		SW-846 6010D	7/24/23	7/26/23 19:43	MJH
Zinc	50	0.77	0.26	mg/Kg dry	1	B-07, B	SW-846 6010D	7/24/23	7/26/23 19:43	MJH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1822

Date Received: 7/14/2023

Field Sample #: 250WATERST-SS-DUP Sampled: 7/13/2023 00:00

Sample ID: 23G1822-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.4			% Wt	1		SM 2540G	7/19/23	7/19/23 14:54	ADB
Cyanide	ND	0.56	0.40	mg/Kg dry	1		SW-846 9014	7/18/23	7/20/23 5:54	MMH

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

250WATERST-SB109-SO-(10-12)

Laboratory:	Pace New England	Work Order:	23G1822
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Soil	Analysis:	SW-846 8260D
Batch:	B346242	Preparation:	SW-846 5035
% Solids:	75.17	Laboratory ID:	B346242-MS1
Initial/Final:	5.04 g / 10 mL	Sample Lab ID:	23G1822-02
Column:			

ANALYTE	SPIKE ADDED (mg/Kg dry)	SAMPLE CONCENTRATION (mg/Kg dry)	MS CONCENTRATION (mg/Kg dry)	MS % REC.		QC LIMITS REC.
Acetone	0.264	0.0253	0.336	118		70 - 130
Benzene	0.0264	0.00103	0.0314	115		70 - 130
Bromochloromethane	0.0264	ND	0.0332	126		70 - 130
Bromodichloromethane	0.0264	ND	0.0296	112		70 - 130
Bromoform	0.0264	ND	0.0269	102		70 - 130
Bromomethane	0.0264	ND	0.0220	83.5		70 - 130
2-Butanone (MEK)	0.264	ND	0.274	104		70 - 130
Carbon Disulfide	0.0264	ND	0.0395	150	*	70 - 130
Carbon Tetrachloride	0.0264	ND	0.0294	111		70 - 130
Chlorobenzene	0.0264	ND	0.0285	108		70 - 130
Chlorodibromomethane	0.0264	ND	0.0271	103		70 - 130
Chloroethane	0.0264	ND	0.0366	138	*	70 - 130
Chloroform	0.0264	ND	0.0311	118		70 - 130
Chloromethane	0.0264	ND	0.0325	123		70 - 130
Cyclohexane	0.0264	ND	0.0301	114		70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	0.0264	ND	0.0267	101		70 - 130
1,2-Dibromoethane (EDB)	0.0264	ND	0.0275	104		70 - 130
1,2-Dichlorobenzene	0.0264	ND	0.0290	110		70 - 130
1,3-Dichlorobenzene	0.0264	ND	0.0289	110		70 - 130
1,4-Dichlorobenzene	0.0264	ND	0.0290	110		70 - 130
Dichlorodifluoromethane (Freon 12)	0.0264	ND	0.0348	132	*	70 - 130
1,1-Dichloroethane	0.0264	ND	0.0334	127		70 - 130
1,2-Dichloroethane	0.0264	ND	0.0323	122		70 - 130
1,1-Dichloroethylene	0.0264	ND	0.0398	151	*	70 - 130
cis-1,2-Dichloroethylene	0.0264	ND	0.0341	129		70 - 130
trans-1,2-Dichloroethylene	0.0264	ND	0.0339	128		70 - 130
1,2-Dichloropropane	0.0264	ND	0.0302	114		70 - 130
cis-1,3-Dichloropropene	0.0264	ND	0.0276	104		70 - 130
trans-1,3-Dichloropropene	0.0264	ND	0.0294	111		70 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

250WATERST-SB109-SO-(10-12)

Laboratory:	Pace New England	Work Order:	23G1822
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Soil	Analysis:	SW-846 8260D
Batch:	B346242	Preparation:	SW-846 5035
% Solids:	75.17	Laboratory ID:	B346242-MS1
Initial/Final:	5.04 g / 10 mL	Sample Lab ID:	23G1822-02
Column:			

ANALYTE	SPIKE ADDED (mg/Kg dry)	SAMPLE CONCENTRATION (mg/Kg dry)	MS CONCENTRATION (mg/Kg dry)	MS % REC.		QC LIMITS REC.
1,4-Dioxane	0.264	ND	0.220	83.2		70 - 130
Ethylbenzene	0.0264	ND	0.0316	120		70 - 130
2-Hexanone (MBK)	0.264	ND	0.285	108		70 - 130
Isopropylbenzene (Cumene)	0.0264	ND	0.0311	118		70 - 130
Methyl Acetate	0.0264	ND	0.0327	124		70 - 130
Methyl tert-Butyl Ether (MTBE)	0.0264	ND	0.0290	110		70 - 130
Methyl Cyclohexane	0.0264	ND	0.0311	118		70 - 130
Methylene Chloride	0.0264	0.00259	0.0323	113		70 - 130
4-Methyl-2-pentanone (MIBK)	0.264	ND	0.307	116		70 - 130
Styrene	0.0264	ND	0.0289	109		70 - 130
1,1,2,2-Tetrachloroethane	0.0264	ND	0.0292	111		70 - 130
Tetrachloroethylene	0.0264	ND	0.0314	119		70 - 130
Toluene	0.0264	ND	0.0323	122		70 - 130
1,2,3-Trichlorobenzene	0.0264	ND	0.0242	91.5		70 - 130
1,2,4-Trichlorobenzene	0.0264	ND	0.0262	99.4		70 - 130
1,1,1-Trichloroethane	0.0264	ND	0.0344	130		70 - 130
1,1,2-Trichloroethane	0.0264	ND	0.0281	106		70 - 130
Trichloroethylene	0.0264	ND	0.0318	120		70 - 130
Trichlorofluoromethane (Freon 11)	0.0264	ND	0.0390	148	*	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0264	ND	0.0362	137	*	70 - 130
Vinyl Chloride	0.0264	ND	0.0348	132	*	70 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

250WATERST-SB109-SO-(10-12)

Laboratory:	Pace New England	Work Order:	23G1822
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Soil	Analysis:	SW-846 8260D
Batch:	B346242	Preparation:	SW-846 5035
% Solids:	75.17	Laboratory ID:	B346242-MSD1
Initial/Final:	5.68 g / 10 mL	Sample Lab ID:	23G1822-02
Column:			

ANALYTE	SPIKE ADDED (mg/Kg dry)	MSD CONCENTRATION (mg/Kg dry)	MSD % REC. #		% RPD	QC LIMITS RPD	QC LIMITS REC.
Acetone	0.234	0.279	108		18.7	30	70 - 130
Benzene	0.0234	0.0289	119		8.40	30	70 - 130
Bromochloromethane	0.0234	0.0311	133	*	6.46	30	70 - 130
Bromodichloromethane	0.0234	0.0273	117		8.02	30	70 - 130
Bromoform	0.0234	0.0248	106		7.91	30	70 - 130
Bromomethane	0.0234	0.0231	98.5		4.57	30	70 - 130
2-Butanone (MEK)	0.234	0.262	112		4.49	30	70 - 130
Carbon Disulfide	0.0234	0.0357	153	*	9.89	30	70 - 130
Carbon Tetrachloride	0.0234	0.0262	112		11.3	30	70 - 130
Chlorobenzene	0.0234	0.0258	110		10.0	30	70 - 130
Chlorodibromomethane	0.0234	0.0249	106		8.50	30	70 - 130
Chloroethane	0.0234	0.0341	146	*	7.02	30	70 - 130
Chloroform	0.0234	0.0282	121		9.68	30	70 - 130
Chloromethane	0.0234	0.0287	122		12.4	30	70 - 130
Cyclohexane	0.0234	0.0272	116		10.3	30	70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	0.0234	0.0251	107		6.28	30	70 - 130
1,2-Dibromoethane (EDB)	0.0234	0.0265	113		3.39	30	70 - 130
1,2-Dichlorobenzene	0.0234	0.0252	108		13.9	30	70 - 130
1,3-Dichlorobenzene	0.0234	0.0253	108		13.4	30	70 - 130
1,4-Dichlorobenzene	0.0234	0.0253	108		13.7	30	70 - 130
Dichlorodifluoromethane (Freon 12)	0.0234	0.0308	132	*	12.0	30	70 - 130
1,1-Dichloroethane	0.0234	0.0307	131	*	8.53	30	70 - 130
1,2-Dichloroethane	0.0234	0.0294	126		9.53	30	70 - 130
1,1-Dichloroethylene	0.0234	0.0362	154	*	9.39	30	70 - 130
cis-1,2-Dichloroethylene	0.0234	0.0310	132	*	9.50	30	70 - 130
trans-1,2-Dichloroethylene	0.0234	0.0311	133	*	8.43	30	70 - 130
1,2-Dichloropropane	0.0234	0.0275	117		9.44	30	70 - 130
cis-1,3-Dichloropropene	0.0234	0.0254	108		8.19	30	70 - 130
trans-1,3-Dichloropropene	0.0234	0.0272	116		7.64	30	70 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

250WATERST-SB109-SO-(10-12)

Laboratory:	Pace New England	Work Order:	23G1822
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Soil	Analysis:	SW-846 8260D
Batch:	B346242	Preparation:	SW-846 5035
% Solids:	75.17	Laboratory ID:	B346242-MSD1
Initial/Final:	5.68 g / 10 mL	Sample Lab ID:	23G1822-02
Column:			

ANALYTE	SPIKE ADDED (mg/Kg dry)	MSD CONCENTRATION (mg/Kg dry)	MSD % REC. #		% RPD	QC LIMITS RPD	QC LIMITS REC.
1,4-Dioxane	0.234	0.224	95.5		1.91	30	70 - 130
Ethylbenzene	0.0234	0.0286	122		10.1	30	70 - 130
2-Hexanone (MBK)	0.234	0.265	113		6.98	30	70 - 130
Isopropylbenzene (Cumene)	0.0234	0.0277	118		11.9	30	70 - 130
Methyl Acetate	0.0234	0.0283	121		14.3	30	70 - 130
Methyl tert-Butyl Ether (MTBE)	0.0234	0.0266	114		8.55	30	70 - 130
Methyl Cyclohexane	0.0234	0.0281	120		10.1	30	70 - 130
Methylene Chloride	0.0234	0.0287	112		11.8	30	70 - 130
4-Methyl-2-pentanone (MIBK)	0.234	0.287	123		6.83	30	70 - 130
Styrene	0.0234	0.0263	112		9.15	30	70 - 130
1,1,2,2-Tetrachloroethane	0.0234	0.0274	117		6.33	30	70 - 130
Tetrachloroethylene	0.0234	0.0286	122		9.46	30	70 - 130
Toluene	0.0234	0.0299	128		7.71	30	70 - 130
1,2,3-Trichlorobenzene	0.0234	0.0227	97.0		6.12	30	70 - 130
1,2,4-Trichlorobenzene	0.0234	0.0232	99.2		12.1	30	70 - 130
1,1,1-Trichloroethane	0.0234	0.0315	135	*	8.55	30	70 - 130
1,1,2-Trichloroethane	0.0234	0.0263	112		6.47	30	70 - 130
Trichloroethylene	0.0234	0.0287	122		10.1	30	70 - 130
Trichlorofluoromethane (Freon 11)	0.0234	0.0356	152	*	9.01	30	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0234	0.0330	141	*	9.29	30	70 - 130
Vinyl Chloride	0.0234	0.0313	134	*	10.5	30	70 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

250WATERST-SB110-SO-(2-4)

Laboratory:	Pace New England	Work Order:	23G1822
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Soil	Analysis:	SW-846 8260D
Batch:	B346242	Preparation:	SW-846 5035
% Solids:	88.32	Laboratory ID:	B346242-MS2
Initial/Final:	5.93 g / 10 mL	Sample Lab ID:	23G1822-04
Column:			

ANALYTE	SPIKE ADDED (mg/Kg dry)	SAMPLE CONCENTRATION (mg/Kg dry)	MS CONCENTRATION (mg/Kg dry)	MS % REC.		QC LIMITS REC.
Acetone	0.191	0.0234	0.243	115		70 - 130
Benzene	0.0191	ND	0.0228	120		70 - 130
Bromochloromethane	0.0191	ND	0.0258	135	*	70 - 130
Bromodichloromethane	0.0191	ND	0.0224	117		70 - 130
Bromoform	0.0191	ND	0.0227	119		70 - 130
Bromomethane	0.0191	ND	0.0180	94.5		70 - 130
2-Butanone (MEK)	0.191	ND	0.233	122		70 - 130
Carbon Disulfide	0.0191	ND	0.0285	150	*	70 - 130
Carbon Tetrachloride	0.0191	ND	0.0213	112		70 - 130
Chlorobenzene	0.0191	ND	0.0219	115		70 - 130
Chlorodibromomethane	0.0191	ND	0.0211	111		70 - 130
Chloroethane	0.0191	ND	0.0273	143	*	70 - 130
Chloroform	0.0191	ND	0.0231	121		70 - 130
Chloromethane	0.0191	ND	0.0233	122		70 - 130
Cyclohexane	0.0191	ND	0.0217	114		70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	0.0191	ND	0.0250	131	*	70 - 130
1,2-Dibromoethane (EDB)	0.0191	ND	0.0220	115		70 - 130
1,2-Dichlorobenzene	0.0191	ND	0.0228	120		70 - 130
1,3-Dichlorobenzene	0.0191	ND	0.0229	120		70 - 130
1,4-Dichlorobenzene	0.0191	ND	0.0230	121		70 - 130
Dichlorodifluoromethane (Freon 12)	0.0191	ND	0.0239	125		70 - 130
1,1-Dichloroethane	0.0191	ND	0.0248	130		70 - 130
1,2-Dichloroethane	0.0191	ND	0.0239	125		70 - 130
1,1-Dichloroethylene	0.0191	ND	0.0288	151	*	70 - 130
cis-1,2-Dichloroethylene	0.0191	ND	0.0255	134	*	70 - 130
trans-1,2-Dichloroethylene	0.0191	ND	0.0252	132	*	70 - 130
1,2-Dichloropropane	0.0191	ND	0.0223	117		70 - 130
cis-1,3-Dichloropropene	0.0191	ND	0.0211	111		70 - 130
trans-1,3-Dichloropropene	0.0191	ND	0.0233	122		70 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

250WATERST-SB110-SO-(2-4)

Laboratory:	Pace New England	Work Order:	23G1822
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Soil	Analysis:	SW-846 8260D
Batch:	B346242	Preparation:	SW-846 5035
% Solids:	88.32	Laboratory ID:	B346242-MS2
Initial/Final:	5.93 g / 10 mL	Sample Lab ID:	23G1822-04
Column:			

ANALYTE	SPIKE ADDED (mg/Kg dry)	SAMPLE CONCENTRATION (mg/Kg dry)	MS CONCENTRATION (mg/Kg dry)	MS % REC.		QC LIMITS REC.
1,4-Dioxane	0.191	ND	0.192	100		70 - 130
Ethylbenzene	0.0191	ND	0.0237	124		70 - 130
2-Hexanone (MBK)	0.191	ND	0.245	128		70 - 130
Isopropylbenzene (Cumene)	0.0191	ND	0.0229	120		70 - 130
Methyl Acetate	0.0191	ND	0.0234	123		70 - 130
Methyl tert-Butyl Ether (MTBE)	0.0191	ND	0.0222	116		70 - 130
Methyl Cyclohexane	0.0191	ND	0.0213	111		70 - 130
Methylene Chloride	0.0191	0.00355	0.0238	106		70 - 130
4-Methyl-2-pentanone (MIBK)	0.191	ND	0.259	135	*	70 - 130
Styrene	0.0191	ND	0.0223	117		70 - 130
1,1,2,2-Tetrachloroethane	0.0191	ND	0.0248	130		70 - 130
Tetrachloroethylene	0.0191	ND	0.0220	115		70 - 130
Toluene	0.0191	ND	0.0234	122		70 - 130
1,2,3-Trichlorobenzene	0.0191	ND	0.0178	93.4		70 - 130
1,2,4-Trichlorobenzene	0.0191	ND	0.0191	100		70 - 130
1,1,1-Trichloroethane	0.0191	ND	0.0257	134	*	70 - 130
1,1,2-Trichloroethane	0.0191	ND	0.0222	116		70 - 130
Trichloroethylene	0.0191	ND	0.0231	121		70 - 130
Trichlorofluoromethane (Freon 11)	0.0191	ND	0.0282	148	*	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0191	ND	0.0260	136	*	70 - 130
Vinyl Chloride	0.0191	ND	0.0246	129		70 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

250WATERST-SB110-SO-(2-4)

Laboratory:	Pace New England	Work Order:	23G1822
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Soil	Analysis:	SW-846 8260D
Batch:	B346242	Preparation:	SW-846 5035
% Solids:	88.32	Laboratory ID:	B346242-MSD2
Initial/Final:	6.06 g / 10 mL	Sample Lab ID:	23G1822-04
Column:			

ANALYTE	SPIKE ADDED (mg/Kg dry)	MSD CONCENTRATION (mg/Kg dry)	MSD % REC. #		% RPD		QC LIMITS RPD	QC LIMITS REC.
Acetone	0.187	0.389	196	*	46.4	*	30	70 - 130
Benzene	0.0187	0.0228	122		0.147		30	70 - 130
Bromochloromethane	0.0187	0.0253	136	*	1.95		30	70 - 130
Bromodichloromethane	0.0187	0.0217	116		2.85		30	70 - 130
Bromoform	0.0187	0.0206	110		9.49		30	70 - 130
Bromomethane	0.0187	0.0208	111		14.3		30	70 - 130
2-Butanone (MEK)	0.187	0.261	140	*	11.5		30	70 - 130
Carbon Disulfide	0.0187	0.0282	151	*	1.24		30	70 - 130
Carbon Tetrachloride	0.0187	0.0211	113		1.10		30	70 - 130
Chlorobenzene	0.0187	0.0203	108		7.63		30	70 - 130
Chlorodibromomethane	0.0187	0.0200	107		5.66		30	70 - 130
Chloroethane	0.0187	0.0277	148	*	1.26		30	70 - 130
Chloroform	0.0187	0.0229	122		0.935		30	70 - 130
Chloromethane	0.0187	0.0233	125		0.224		30	70 - 130
Cyclohexane	0.0187	0.0231	124		6.42		30	70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	0.0187	0.0217	116		14.1		30	70 - 130
1,2-Dibromoethane (EDB)	0.0187	0.0211	113		4.19		30	70 - 130
1,2-Dichlorobenzene	0.0187	0.0209	112		8.64		30	70 - 130
1,3-Dichlorobenzene	0.0187	0.0211	113		8.52		30	70 - 130
1,4-Dichlorobenzene	0.0187	0.0209	112		9.83		30	70 - 130
Dichlorodifluoromethane (Freon 12)	0.0187	0.0239	128		0.351		30	70 - 130
1,1-Dichloroethane	0.0187	0.0249	133	*	0.494		30	70 - 130
1,2-Dichloroethane	0.0187	0.0235	126		1.45		30	70 - 130
1,1-Dichloroethylene	0.0187	0.0289	155	*	0.453		30	70 - 130
cis-1,2-Dichloroethylene	0.0187	0.0253	135	*	0.829		30	70 - 130
trans-1,2-Dichloroethylene	0.0187	0.0251	135	*	0.294		30	70 - 130
1,2-Dichloropropane	0.0187	0.0219	117		1.66		30	70 - 130
cis-1,3-Dichloropropene	0.0187	0.0206	110		2.62		30	70 - 130
trans-1,3-Dichloropropene	0.0187	0.0222	119		5.08		30	70 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

250WATERST-SB110-SO-(2-4)

Laboratory:	Pace New England	Work Order:	23G1822
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Soil	Analysis:	SW-846 8260D
Batch:	B346242	Preparation:	SW-846 5035
% Solids:	88.32	Laboratory ID:	B346242-MSD2
Initial/Final:	6.06 g / 10 mL	Sample Lab ID:	23G1822-04
Column:			

ANALYTE	SPIKE ADDED (mg/Kg dry)	MSD CONCENTRATION (mg/Kg dry)	MSD % REC. #		% RPD	QC LIMITS RPD	QC LIMITS REC.
1,4-Dioxane	0.187	0.183	97.7		4.85	30	70 - 130
Ethylbenzene	0.0187	0.0225	121		5.19	30	70 - 130
2-Hexanone (MBK)	0.187	0.250	134	*	1.97	30	70 - 130
Isopropylbenzene (Cumene)	0.0187	0.0219	117		4.70	30	70 - 130
Methyl Acetate	0.0187	0.0230	123		1.84	30	70 - 130
Methyl tert-Butyl Ether (MTBE)	0.0187	0.0220	118		0.717	30	70 - 130
Methyl Cyclohexane	0.0187	0.0216	116		1.62	30	70 - 130
Methylene Chloride	0.0187	0.0235	107		1.21	30	70 - 130
4-Methyl-2-pentanone (MIBK)	0.187	0.246	132	*	4.95	30	70 - 130
Styrene	0.0187	0.0209	112		6.63	30	70 - 130
1,1,2,2-Tetrachloroethane	0.0187	0.0223	119		10.7	30	70 - 130
Tetrachloroethylene	0.0187	0.0222	119		0.740	30	70 - 130
Toluene	0.0187	0.0234	125		0.175	30	70 - 130
1,2,3-Trichlorobenzene	0.0187	0.0152	81.4		15.9	30	70 - 130
1,2,4-Trichlorobenzene	0.0187	0.0170	91.2		11.4	30	70 - 130
1,1,1-Trichloroethane	0.0187	0.0257	137	*	0.108	30	70 - 130
1,1,2-Trichloroethane	0.0187	0.0213	114		4.08	30	70 - 130
Trichloroethylene	0.0187	0.0229	123		0.855	30	70 - 130
Trichlorofluoromethane (Freon 11)	0.0187	0.0286	153	*	1.22	30	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0187	0.0260	139	*	0.0134	30	70 - 130
Vinyl Chloride	0.0187	0.0245	131	*	0.630	30	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23G1822
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Soil	Preparation:	SW-846 5035
Batch:	B346144	Laboratory ID:	B346144-BS1
Column:		Initial/Final:	5 g / 10 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.		QC LIMITS REC.
Acetone	0.200	0.215	108		70 - 160
Benzene	0.0200	0.0211	106		70 - 130
Bromochloromethane	0.0200	0.0226	113		70 - 130
Bromodichloromethane	0.0200	0.0204	102		70 - 130
Bromoform	0.0200	0.0187	93.7		70 - 130
Bromomethane	0.0200	0.0296	148	*	40 - 130
2-Butanone (MEK)	0.200	0.206	103		70 - 160
Carbon Disulfide	0.200	0.233	116		70 - 130
Carbon Tetrachloride	0.0200	0.0201	101		70 - 130
Chlorobenzene	0.0200	0.0198	99.0		70 - 130
Chlorodibromomethane	0.0200	0.0200	99.9		70 - 130
Chloroethane	0.0200	0.0261	130		70 - 130
Chloroform	0.0200	0.0215	107		70 - 130
Chloromethane	0.0200	0.0232	116		70 - 130
Cyclohexane	0.0200	0.0199	99.3		70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	0.0200	0.0181	90.5		70 - 130
1,2-Dibromoethane (EDB)	0.0200	0.0198	99.2		70 - 130
1,2-Dichlorobenzene	0.0200	0.0193	96.5		70 - 130
1,3-Dichlorobenzene	0.0200	0.0190	94.8		70 - 130
1,4-Dichlorobenzene	0.0200	0.0190	94.8		70 - 130
Dichlorodifluoromethane (Freon 12)	0.0200	0.0199	99.6		40 - 160
1,1-Dichloroethane	0.0200	0.0219	110		70 - 130
1,2-Dichloroethane	0.0200	0.0213	106		70 - 130
1,1-Dichloroethylene	0.0200	0.0241	121		70 - 130
cis-1,2-Dichloroethylene	0.0200	0.0227	114		70 - 130
trans-1,2-Dichloroethylene	0.0200	0.0220	110		70 - 130
1,2-Dichloropropane	0.0200	0.0202	101		70 - 130
cis-1,3-Dichloropropene	0.0200	0.0201	101		70 - 130
trans-1,3-Dichloropropene	0.0200	0.0206	103		70 - 130
1,4-Dioxane	0.200	0.184	92.0		40 - 160
Ethylbenzene	0.0200	0.0208	104		70 - 130
2-Hexanone (MBK)	0.200	0.210	105		70 - 160
Isopropylbenzene (Cumene)	0.0200	0.0209	104		70 - 130
Methyl Acetate	0.0200	0.0197	98.7		70 - 130
Methyl tert-Butyl Ether (MTBE)	0.0200	0.0207	104		70 - 130
Methyl Cyclohexane	0.0200	0.0195	97.6		70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23G1822
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Soil	Preparation:	SW-846 5035
Batch:	B346144	Laboratory ID:	B346144-BS1
Column:		Initial/Final:	5 g / 10 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.	QC LIMITS REC.
Methylene Chloride	0.0200	0.0212	106	40 - 160
4-Methyl-2-pentanone (MIBK)	0.200	0.216	108	70 - 160
Styrene	0.0200	0.0202	101	70 - 130
1,1,2,2-Tetrachloroethane	0.0200	0.0194	97.1	70 - 130
Tetrachloroethylene	0.0200	0.0210	105	70 - 130
Toluene	0.0200	0.0217	109	70 - 130
1,2,3-Trichlorobenzene	0.0200	0.0180	90.1	70 - 130
1,2,4-Trichlorobenzene	0.0200	0.0178	89.2	70 - 130
1,1,1-Trichloroethane	0.0200	0.0232	116	70 - 130
1,1,2-Trichloroethane	0.0200	0.0192	95.8	70 - 130
Trichloroethylene	0.0200	0.0207	103	70 - 130
Trichlorofluoromethane (Freon 11)	0.0200	0.0241	120	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0200	0.0202	101	70 - 130
Vinyl Chloride	0.0200	0.0234	117	40 - 130
m+p Xylene	0.0400	0.0429	107	70 - 130
o-Xylene	0.0200	0.0207	104	70 - 130

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	0.200	0.236	118		9.47	25	70 - 160
Benzene	0.0200	0.0211	106		0.189	25	70 - 130
Bromochloromethane	0.0200	0.0228	114		0.969	25	70 - 130
Bromodichloromethane	0.0200	0.0206	103		0.974	25	70 - 130
Bromoform	0.0200	0.0196	98.2		4.69	25	70 - 130
Bromomethane	0.0200	0.0286	143	*	3.43	25	40 - 130
2-Butanone (MEK)	0.200	0.226	113		9.01	25	70 - 160
Carbon Disulfide	0.200	0.226	113		2.87	25	70 - 130
Carbon Tetrachloride	0.0200	0.0194	96.8		3.85	25	70 - 130
Chlorobenzene	0.0200	0.0196	98.1		0.913	25	70 - 130
Chlorodibromomethane	0.0200	0.0201	101		0.798	25	70 - 130
Chloroethane	0.0200	0.0246	123		5.92	25	70 - 130
Chloroform	0.0200	0.0213	107		0.748	25	70 - 130
Chloromethane	0.0200	0.0229	114		1.48	25	70 - 130
Cyclohexane	0.0200	0.0188	94.1		5.38	25	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23G1822
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Soil	Preparation:	SW-846 5035
Batch:	B346242	Laboratory ID:	B346242-BS1
Column:		Initial/Final:	5 g / 10 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.		QC LIMITS REC.
Acetone	0.200	0.238	119		70 - 160
Benzene	0.0200	0.0196	97.8		70 - 130
Bromochloromethane	0.0200	0.0216	108		70 - 130
Bromodichloromethane	0.0200	0.0200	100		70 - 130
Bromoform	0.0200	0.0180	89.8		70 - 130
Bromomethane	0.0200	0.0272	136	*	40 - 130
2-Butanone (MEK)	0.200	0.223	111		70 - 160
Carbon Disulfide	0.200	0.213	107		70 - 130
Carbon Tetrachloride	0.0200	0.0179	89.5		70 - 130
Chlorobenzene	0.0200	0.0180	90.0		70 - 130
Chlorodibromomethane	0.0200	0.0192	96.0		70 - 130
Chloroethane	0.0200	0.0252	126		70 - 130
Chloroform	0.0200	0.0205	103		70 - 130
Chloromethane	0.0200	0.0226	113		70 - 130
Cyclohexane	0.0200	0.0174	86.8		70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	0.0200	0.0196	97.8		70 - 130
1,2-Dibromoethane (EDB)	0.0200	0.0200	100		70 - 130
1,2-Dichlorobenzene	0.0200	0.0183	91.5		70 - 130
1,3-Dichlorobenzene	0.0200	0.0177	88.3		70 - 130
1,4-Dichlorobenzene	0.0200	0.0179	89.4		70 - 130
Dichlorodifluoromethane (Freon 12)	0.0200	0.0181	90.6		40 - 160
1,1-Dichloroethane	0.0200	0.0201	101		70 - 130
1,2-Dichloroethane	0.0200	0.0215	107		70 - 130
1,1-Dichloroethylene	0.0200	0.0228	114		70 - 130
cis-1,2-Dichloroethylene	0.0200	0.0211	106		70 - 130
trans-1,2-Dichloroethylene	0.0200	0.0205	102		70 - 130
1,2-Dichloropropane	0.0200	0.0194	97.2		70 - 130
cis-1,3-Dichloropropene	0.0200	0.0195	97.7		70 - 130
trans-1,3-Dichloropropene	0.0200	0.0197	98.3		70 - 130
1,4-Dioxane	0.200	0.177	88.5		40 - 160
Ethylbenzene	0.0200	0.0193	96.3		70 - 130
2-Hexanone (MBK)	0.200	0.231	116		70 - 160
Isopropylbenzene (Cumene)	0.0200	0.0190	95.1		70 - 130
Methyl Acetate	0.0200	0.0210	105		70 - 130
Methyl tert-Butyl Ether (MTBE)	0.0200	0.0208	104		70 - 130
Methyl Cyclohexane	0.0200	0.0177	88.6		70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23G1822
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Soil	Preparation:	SW-846 5035
Batch:	B346242	Laboratory ID:	B346242-BS1
Column:		Initial/Final:	5 g / 10 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.	QC LIMITS REC.
Methylene Chloride	0.0200	0.0202	101	40 - 160
4-Methyl-2-pentanone (MIBK)	0.200	0.234	117	70 - 160
Styrene	0.0200	0.0189	94.5	70 - 130
1,1,2,2-Tetrachloroethane	0.0200	0.0196	98.1	70 - 130
Tetrachloroethylene	0.0200	0.0192	95.9	70 - 130
Toluene	0.0200	0.0205	102	70 - 130
1,2,3-Trichlorobenzene	0.0200	0.0171	85.3	70 - 130
1,2,4-Trichlorobenzene	0.0200	0.0164	82.1	70 - 130
1,1,1-Trichloroethane	0.0200	0.0211	105	70 - 130
1,1,2-Trichloroethane	0.0200	0.0194	96.8	70 - 130
Trichloroethylene	0.0200	0.0193	96.4	70 - 130
Trichlorofluoromethane (Freon 11)	0.0200	0.0225	113	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0200	0.0208	104	70 - 130
Vinyl Chloride	0.0200	0.0224	112	40 - 130
m+p Xylene	0.0400	0.0398	99.4	70 - 130
o-Xylene	0.0200	0.0195	97.6	70 - 130

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	0.200	0.224	112		6.08	25	70 - 160
Benzene	0.0200	0.0200	99.9		2.12	25	70 - 130
Bromochloromethane	0.0200	0.0222	111		2.74	25	70 - 130
Bromodichloromethane	0.0200	0.0206	103		2.95	25	70 - 130
Bromoform	0.0200	0.0187	93.5		4.04	25	70 - 130
Bromomethane	0.0200	0.0289	145	*	5.98	25	40 - 130
2-Butanone (MEK)	0.200	0.210	105		5.87	25	70 - 160
Carbon Disulfide	0.200	0.217	108		1.42	25	70 - 130
Carbon Tetrachloride	0.0200	0.0180	89.8		0.335	25	70 - 130
Chlorobenzene	0.0200	0.0194	97.2		7.69	25	70 - 130
Chlorodibromomethane	0.0200	0.0194	97.2		1.24	25	70 - 130
Chloroethane	0.0200	0.0265	133	*	5.26	25	70 - 130
Chloroform	0.0200	0.0207	103		0.777	25	70 - 130
Chloromethane	0.0200	0.0223	112		1.42	25	70 - 130
Cyclohexane	0.0200	0.0177	88.6		2.05	25	70 - 130

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23G1822
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Calibration:	2300846	Instrument:	GCMSVOA7
		Calibration Date:	7/12/2023 5:14:00AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
Acetone	0.1393438	16.8			20	
Acrolein	9.250141E-02	4.5			20	
Acrylonitrile	0.132171	14.1			20	
tert-Amyl Methyl Ether (TAME)	0.9286366	4.1			20	
Benzene	1.220011	8.4			20	
Bromobenzene	1.048753	7.2			20	
Bromochloromethane	0.2678868	11.6			20	
Bromodichloromethane	0.2852591	4.8			20	
Bromoform	0.4454684	4.3			20	
Bromomethane	0.1078823	12.7			20	
2-Butanone (MEK)	0.1670244	5.1			20	
tert-Butyl Alcohol (TBA)	5.246718E-02	9.1			20	
n-Butylbenzene	1.735674	15.1			20	
sec-Butylbenzene	2.112068	18.8			20	
tert-Butylbenzene	1.517237	19.0			20	
tert-Butyl Ethyl Ether (TBEE)	1.093651	3.8			20	
Carbon Disulfide	0.6383774	17.1			20	
Carbon Tetrachloride	0.3639346	17.4			20	
Chlorobenzene	1.53432	8.0			20	
Chlorodibromomethane	0.2325216	2.7			20	
Chloroethane	0.1455703	16.9			20	
Chloroform	0.5602051	7.7			20	
Chloromethane	0.4260619	13.0			20	
2-Chlorotoluene	1.717336	9.5			20	
4-Chlorotoluene	2.099713	9.1			20	
Cyclohexane	0.9130677	47.9	0.998		0.99	
1,2-Dibromo-3-chloropropane (DBCP)	0.1364139	8.5			20	
1,2-Dibromoethane (EDB)	0.2041536	2.5			20	
Dibromomethane	0.1098859	9.0			20	
1,2-Dichlorobenzene	0.9558076	5.3			20	
1,3-Dichlorobenzene	1.022274	10.1			20	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23G1822
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Calibration:	2300846	Instrument:	GCMSVOA7
		Calibration Date:	7/12/2023 5:14:00AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
1,4-Dichlorobenzene	1.018159	7.4			20	
trans-1,4-Dichloro-2-butene	0.2738743	7.8			20	
Dichlorodifluoromethane (Freon 12)	0.3229093	14.9			20	
1,1-Dichloroethane	0.5881858	11.2			20	
1,2-Dichloroethane	0.2868747	3.7			20	
1,1-Dichloroethylene	0.5551736	19.4			20	
cis-1,2-Dichloroethylene	0.5313237	8.6			20	
trans-1,2-Dichloroethylene	0.4578958	12.7			20	
Dichlorofluoromethane (Freon 21)	0.4726465	15.1			20	
1,2-Dichloropropane	0.2284993	5.3			20	
1,3-Dichloropropane	0.317914	4.7			20	
2,2-Dichloropropane	0.4742299	15.3			20	
1,1-Dichloropropene	0.3217646	18.0			20	
cis-1,3-Dichloropropene	0.3684016	4.7			20	
trans-1,3-Dichloropropene	0.3191342	4.0			20	
Diethyl Ether	0.3057232	5.2			20	
Difluorochloromethane (Freon 22)	0.6320801	43.2	0.999		0.99	
Diisopropyl Ether (DIPE)	0.999463	7.5			20	
1,4-Dioxane	2.841731E-03	8.7			20	
Ethyl Acetate	0.3249878	15.0			20	
Ethylbenzene	2.455145	12.9			20	
Hexachlorobutadiene	0.4051908	18.5			20	
2-Hexanone (MBK)	0.1576625	14.5			20	
Iodomethane	0.4859792	13.6			20	
Isopropylbenzene (Cumene)	2.535809	15.0			20	
p-Isopropyltoluene (p-Cymene)	1.860034	15.8			20	
Methyl Acetate	0.3305145	12.4			20	
Methyl tert-Butyl Ether (MTBE)	0.8926565	4.4			20	
Methyl Cyclohexane	0.3504426	14.2			20	
Methylene Chloride	0.4031239	9.5			20	
4-Methyl-2-pentanone (MIBK)	0.2064951	15.4			20	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23G1822
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Calibration:	2300846	Instrument:	GCMSVOA7
		Calibration Date:	7/12/2023 5:14:00AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
Naphthalene	1.931156	3.8			20	
n-Propylbenzene	2.891276	15.2			20	
Styrene	1.739451	6.7			20	
1,1,1,2-Tetrachloroethane	0.5877457	5.3			20	
1,1,2,2-Tetrachloroethane	0.7144844	9.9			20	
Tetrachloroethylene	0.2058066	18.2			20	
Tetrahydrofuran	0.1186702	6.6			20	
Toluene	0.8250477	11.3			20	
1,2,3-Trichlorobenzene	0.7311379	6.1			20	
1,2,4-Trichlorobenzene	0.7880238	7.3			20	
1,3,5-Trichlorobenzene	0.824207	10.4			20	
1,1,1-Trichloroethane	0.4677318	18.6			20	
1,1,2-Trichloroethane	0.1883578	5.7			20	
Trichloroethylene	0.2085854	15.5			20	
Trichlorofluoromethane (Freon 11)	0.4454877	19.3			20	
1,2,3-Trichloropropane	0.8156434	6.1			20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	0.3469077	27.1	0.996		0.99	
1,2,3-Trimethylbenzene	1.846755	9.0			20	
1,2,4-Trimethylbenzene	1.748943	11.0			20	
1,3,5-Trimethylbenzene	2.154432	11.8			20	
Vinyl Chloride	0.3792056	19.5			20	
m+p Xylene	1.906431	13.3			20	
o-Xylene	2.057623	8.7			20	
1,2-Dichloroethane-d4	0.5510526	1.7			20	
Toluene-d8	1.16965	1.9			20	
4-Bromofluorobenzene	1.267653	1.0			20	

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23G1822
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	GCMSVOA7	Calibration:	2300846
Lab File ID:	G22V19318.D	Calibration Date:	07/12/23 05:14
Sequence:	S090340	Injection Date:	07/12/23
Lab Sample ID:	S090340-ICV1	Injection Time:	13:28

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)	
Acetone	A	100	146	0.1393438	0.2036055		46.1	30	*
Acrolein	A	100	136	9.250141E-02	0.1254289		35.6	30	*
Acrylonitrile	A	10.0	9.78	0.132171	0.1293193		-2.2	30	
tert-Amyl Methyl Ether (TAME)	A	10.0	10.0	0.9286366	0.9308125		0.2	30	
Benzene	A	10.0	10.4	1.220011	1.264802		3.7	30	
Bromobenzene	A	10.0	10.2	1.048753	1.066963		1.7	30	
Bromochloromethane	A	10.0	11.0	0.2678868	0.2944728		9.9	30	
Bromodichloromethane	A	10.0	10.3	0.2852591	0.2938116		3.0	30	
Bromoform	A	10.0	11.0	0.4454684	0.4922552		10.5	30	
Bromomethane	A	10.0	9.12	0.1078823	9.841331E-02		-8.8	30	
2-Butanone (MEK)	A	100	111	0.1670244	0.1861408		11.4	30	
tert-Butyl Alcohol (TBA)	A	100	96.2	5.246718E-02	5.045709E-02		-3.8	30	
n-Butylbenzene	A	10.0	11.2	1.735674	1.9523		12.5	30	
sec-Butylbenzene	A	10.0	11.8	2.112068	2.482459		17.5	30	
tert-Butylbenzene	A	10.0	10.8	1.517237	1.638328		8.0	30	
tert-Butyl Ethyl Ether (TBEE)	A	10.0	10.4	1.093651	1.142547		4.5	30	
Carbon Disulfide	A	10.0	13.5	0.6383774	0.8640495		35.4	30	*
Carbon Tetrachloride	A	10.0	10.3	0.3639346	0.3748054		3.0	30	
Chlorobenzene	A	10.0	10.1	1.53432	1.554082		1.3	30	
Chlorodibromomethane	A	10.0	10.1	0.2325216	0.2355075		1.3	30	
Chloroethane	A	10.0	10.0	0.1455703	0.1462845		0.5	30	
Chloroform	A	10.0	10.2	0.5602051	0.5691386		1.6	30	
Chloromethane	A	10.0	10.2	0.4260619	0.4352641		2.2	30	
2-Chlorotoluene	A	10.0	10.8	1.717336	1.854992		8.0	30	
4-Chlorotoluene	A	10.0	10.9	2.099713	2.288703		9.0	30	
Cyclohexane	A	10.0	11.3	0.9130677	0.7857104		13.0	30	
1,2-Dibromo-3-chloropropane (DBCP)	A	10.0	10.2	0.1364139	0.1392516		2.1	30	
1,2-Dibromoethane (EDB)	A	10.0	10.4	0.2041536	0.2125723		4.1	30	
Dibromomethane	A	10.0	9.87	0.1098859	0.1084367		-1.3	30	

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23G1822
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	GCMSVOA7	Calibration:	2300846
Lab File ID:	G22V19318.D	Calibration Date:	07/12/23 05:14
Sequence:	S090340	Injection Date:	07/12/23
Lab Sample ID:	S090340-ICV1	Injection Time:	13:28

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
1,2-Dichlorobenzene	A	10.0	10.5	0.9558076	1.007518		5.4	30
1,3-Dichlorobenzene	A	10.0	10.3	1.022274	1.057021		3.4	30
1,4-Dichlorobenzene	A	10.0	10.2	1.018159	1.04328		2.5	30
trans-1,4-Dichloro-2-butene	A	10.0	9.18	0.2738743	0.2515472		-8.2	30
Dichlorodifluoromethane (Freon 12)	A	10.0	11.8	0.3229093	0.3802628		17.8	30
1,1-Dichloroethane	A	10.0	11.2	0.5881858	0.6588275		12.0	30
1,2-Dichloroethane	A	10.0	10.4	0.2868747	0.2970766		3.6	30
1,1-Dichloroethylene	A	10.0	12.3	0.5551736	0.6808837		22.6	30
cis-1,2-Dichloroethylene	A	10.0	11.4	0.5313237	0.6063636		14.1	30
trans-1,2-Dichloroethylene	A	10.0	11.4	0.4578958	0.522098		14.0	30
Dichlorofluoromethane (Freon 21)	A	10.0	11.4	0.4726465	0.5406217		14.4	30
1,2-Dichloropropane	A	10.0	10.6	0.2284993	0.2433589		6.5	30
1,3-Dichloropropane	A	10.0	10.1	0.317914	0.3208664		0.9	30
2,2-Dichloropropane	A	10.0	11.1	0.4742299	0.5269773		11.1	30
1,1-Dichloropropene	A	10.0	11.3	0.3217646	0.3637879		13.1	30
cis-1,3-Dichloropropene	A	10.0	10.0	0.3684016	0.369892		0.4	30
trans-1,3-Dichloropropene	A	10.0	10.8	0.3191342	0.3434214		7.6	30
Diethyl Ether	A	10.0	9.04	0.3057232	0.2764067		-9.6	30
Difluorochloromethane (Freon 22)	L	10.0	8.85	0.6320801	0.5537353		-11.5	30
Diisopropyl Ether (DIPE)	A	10.0	11.2	0.999463	1.114114		11.5	30
1,4-Dioxane	A	100	95.0	2.841731E-03	2.700514E-03		-5.0	30
Ethyl Acetate	A	10.0	8.39	0.3249878	0.2726137		-16.1	30
Ethylbenzene	A	10.0	11.2	2.455145	2.752953		12.1	30
Hexachlorobutadiene	A	10.0	11.8	0.4051908	0.4795411		18.3	30
2-Hexanone (MBK)	A	100	112	0.1576625	0.1764304		11.9	30
Iodomethane	A	10.0	12.4	0.4859792	0.601183		23.7	30
Isopropylbenzene (Cumene)	A	10.0	11.2	2.535809	2.83928		12.0	30
p-Isopropyltoluene (p-Cymene)	A	10.0	11.4	1.860034	2.12941		14.5	30

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23G1822
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	GCMSVOA7	Calibration:	2300846
Lab File ID:	G22V19318.D	Calibration Date:	07/12/23 05:14
Sequence:	S090340	Injection Date:	07/12/23
Lab Sample ID:	S090340-ICV1	Injection Time:	13:28

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Methyl Acetate	A	10.0	10.0	0.3305145	0.3305855		0.02	30
Methyl tert-Butyl Ether (MTBE)	A	10.0	9.64	0.8926565	0.8605187		-3.6	30
Methyl Cyclohexane	A	10.0	11.8	0.3504426	0.4127162		17.8	30
Methylene Chloride	A	10.0	10.0	0.4031239	0.404573		0.4	30
4-Methyl-2-pentanone (MIBK)	A	100	110	0.2064951	0.2270455		10.0	30
Naphthalene	A	10.0	10.6	1.931156	2.04913		6.1	30
n-Propylbenzene	A	10.0	11.4	2.891276	3.308349		14.4	30
Styrene	A	10.0	10.6	1.739451	1.848116		6.2	30
1,1,1,2-Tetrachloroethane	A	10.0	10.4	0.5877457	0.6114952		4.0	30
1,1,2,2-Tetrachloroethane	A	10.0	11.0	0.7144844	0.7882745		10.3	30
Tetrachloroethylene	A	10.0	11.8	0.2058066	0.2428889		18.0	30
Tetrahydrofuran	A	10.0	9.99	0.1186702	0.1186015		-0.06	30
Toluene	A	10.0	11.3	0.8250477	0.9352413		13.4	30
1,2,3-Trichlorobenzene	A	10.0	10.6	0.7311379	0.7757497		6.1	30
1,2,4-Trichlorobenzene	A	10.0	10.6	0.7880238	0.836168		6.1	30
1,3,5-Trichlorobenzene	A	10.0	11.0	0.824207	0.9105139		10.5	30
1,1,1-Trichloroethane	A	10.0	11.3	0.4677318	0.5305944		13.4	30
1,1,2-Trichloroethane	A	10.0	10.2	0.1883578	0.1926369		2.3	30
Trichloroethylene	A	10.0	11.2	0.2085854	0.2338248		12.1	30
Trichlorofluoromethane (Freon 11)	A	10.0	12.0	0.4454877	0.5332279		19.7	30
1,2,3-Trichloropropane	A	10.0	9.94	0.8156434	0.8107115		-0.6	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	10.0	10.1	0.3469077	0.4270526		1.4	30
1,2,3-Trimethylbenzene	A	10.0	10.1	1.846755	1.857797		0.6	30
1,2,4-Trimethylbenzene	A	10.0	10.5	1.748943	1.839661		5.2	30
1,3,5-Trimethylbenzene	A	10.0	11.1	2.154432	2.383084		10.6	30
Vinyl Chloride	A	10.0	10.1	0.3792056	0.3830852		1.0	30
m+p Xylene	A	20.0	22.6	1.906431	2.156504		13.1	30
o-Xylene	A	10.0	11.0	2.057623	2.254054		9.5	30

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23G1822
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	GCMSVOA7	Calibration:	2300846
Lab File ID:	G22V19802.D	Calibration Date:	07/12/23 05:14
Sequence:	S090591	Injection Date:	07/17/23
Lab Sample ID:	S090591-CCV1	Injection Time:	04:17

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetone	A	100	108	0.1393438	0.1510604		8.4	20	
Benzene	A	10.0	10.4	1.220011	1.263296		3.5	20	
Bromochloromethane	A	10.0	10.7	0.2678868	0.2868472		7.1	20	
Bromodichloromethane	A	10.0	10.2	0.2852591	0.2918697		2.3	20	
Bromoform	A	10.0	9.89	0.4454684	0.4405834		-1.1	20	
Bromomethane	A	10.0	13.8	0.1078823	0.1489817		38.1	20	*
2-Butanone (MEK)	A	100	105	0.1670244	0.1747029		4.6	20	
Carbon Disulfide	A	100	115	0.6383774	0.7371245		15.5	20	
Carbon Tetrachloride	A	10.0	9.86	0.3639346	0.358753		-1.4	20	
Chlorobenzene	A	10.0	10.1	1.53432	1.543628		0.6	20	
Chlorodibromomethane	A	10.0	9.83	0.2325216	0.2285481		-1.7	20	
Chloroethane	A	10.0	12.2	0.1455703	0.1776505		22.0	20	*
Chloroform	A	10.0	10.4	0.5602051	0.5803745		3.6	20	
Chloromethane	A	10.0	11.2	0.4260619	0.476022		11.7	20	
Cyclohexane	L	10.0	9.83	0.9130677	0.6868451		-1.7	20	
1,2-Dibromo-3-chloropropane (DBCP)	A	10.0	9.21	0.1364139	0.1256061		-7.9	20	
1,2-Dibromoethane (EDB)	A	10.0	9.91	0.2041536	0.2022965		-0.9	20	
1,2-Dichlorobenzene	A	10.0	9.72	0.9558076	0.9290319		-2.8	20	
1,3-Dichlorobenzene	A	10.0	9.54	1.022274	0.9748629		-4.6	20	
1,4-Dichlorobenzene	A	10.0	9.56	1.018159	0.973569		-4.4	20	
Dichlorodifluoromethane (Freon 12)	A	10.0	9.84	0.3229093	0.3177744		-1.6	20	
1,1-Dichloroethane	A	10.0	10.8	0.5881858	0.6320451		7.5	20	
1,2-Dichloroethane	A	10.0	10.4	0.2868747	0.297226		3.6	20	
1,1-Dichloroethylene	A	10.0	12.0	0.5551736	0.6675277		20.2	20	*
cis-1,2-Dichloroethylene	A	10.0	11.0	0.5313237	0.5821716		9.6	20	
trans-1,2-Dichloroethylene	A	10.0	11.0	0.4578958	0.505657		10.4	20	
1,2-Dichloropropane	A	10.0	10.1	0.2284993	0.2314625		1.3	20	
cis-1,3-Dichloropropene	A	10.0	10.1	0.3684016	0.3719199		1.0	20	
trans-1,3-Dichloropropene	A	10.0	10.1	0.3191342	0.3237352		1.4	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23G1822
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	GCMSVOA7	Calibration:	2300846
Lab File ID:	G22V19802.D	Calibration Date:	07/12/23 05:14
Sequence:	S090591	Injection Date:	07/17/23
Lab Sample ID:	S090591-CCV1	Injection Time:	04:17

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,4-Dioxane	A	100	93.4	2.841731E-03	2.653065E-03		-6.6	20
Ethylbenzene	A	10.0	10.8	2.455145	2.646945		7.8	20
2-Hexanone (MBK)	A	100	109	0.1576625	0.1714345		8.7	20
Isopropylbenzene (Cumene)	A	10.0	10.9	2.535809	2.765095		9.0	20
Methyl Acetate	A	10.0	9.74	0.3305145	0.3220395		-2.6	20
Methyl tert-Butyl Ether (MTBE)	A	10.0	10.3	0.8926565	0.920991		3.2	20
Methyl Cyclohexane	A	10.0	10.1	0.3504426	0.3537464		0.9	20
Methylene Chloride	A	10.0	10.2	0.4031239	0.4122174		2.3	20
4-Methyl-2-pentanone (MIBK)	A	100	112	0.2064951	0.2304592		11.6	20
Styrene	A	10.0	10.4	1.739451	1.817692		4.5	20
1,1,2,2-Tetrachloroethane	A	10.0	10.0	0.7144844	0.7169398		0.3	20
Tetrachloroethylene	A	10.0	10.7	0.2058066	0.2207378		7.3	20
Toluene	A	10.0	10.7	0.8250477	0.8851812		7.3	20
1,2,3-Trichlorobenzene	A	10.0	9.22	0.7311379	0.6743482		-7.8	20
1,2,4-Trichlorobenzene	A	10.0	9.07	0.7880238	0.7149907		-9.3	20
1,1,1-Trichloroethane	A	10.0	11.4	0.4677318	0.5339806		14.2	20
1,1,2-Trichloroethane	A	10.0	9.72	0.1883578	0.1830415		-2.8	20
Trichloroethylene	A	10.0	10.5	0.2085854	0.2193834		5.2	20
Trichlorofluoromethane (Freon 11)	A	10.0	11.7	0.4454877	0.5208738		16.9	20
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	L	10.0	9.83	0.3469077	0.4157082		-1.7	20
Vinyl Chloride	A	10.0	11.4	0.3792056	0.4342836		14.5	20
m+p Xylene	A	20.0	22.3	1.906431	2.128951		11.7	20
o-Xylene	A	10.0	10.8	2.057623	2.220015		7.9	20
1,2-Dichloroethane-d4	A	25.0	25.9	0.5510526	0.5712219		3.7	
Toluene-d8	A	25.0	25.0	1.16965	1.169963		0.03	
4-Bromofluorobenzene	A	25.0	25.2	1.267653	1.276963		0.7	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23G1822
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	GCMSVOA7	Calibration:	2300846
Lab File ID:	G22V19903.D	Calibration Date:	07/12/23 05:14
Sequence:	S090652	Injection Date:	07/18/23
Lab Sample ID:	S090652-CCV1	Injection Time:	04:56

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetone	A	100	121	0.1393438	0.1679248		20.5	20	*
Benzene	A	10.0	10.5	1.220011	1.286412		5.4	20	
Bromochloromethane	A	10.0	11.1	0.2678868	0.2975509		11.1	20	
Bromodichloromethane	A	10.0	10.5	0.2852591	0.298711		4.7	20	
Bromoform	A	10.0	9.41	0.4454684	0.4193265		-5.9	20	
Bromomethane	A	10.0	14.5	0.1078823	0.1564462		45.0	20	*
2-Butanone (MEK)	A	100	113	0.1670244	0.1881762		12.7	20	
Carbon Disulfide	A	100	118	0.6383774	0.7549208		18.3	20	
Carbon Tetrachloride	A	10.0	9.79	0.3639346	0.3564431		-2.1	20	
Chlorobenzene	A	10.0	10.2	1.53432	1.558825		1.6	20	
Chlorodibromomethane	A	10.0	9.76	0.2325216	0.2270333		-2.4	20	
Chloroethane	A	10.0	14.0	0.1455703	0.2043344		40.4	20	*
Chloroform	A	10.0	10.9	0.5602051	0.6094006		8.8	20	
Chloromethane	A	10.0	12.1	0.4260619	0.5163713		21.2	20	*
Cyclohexane	L	10.0	9.80	0.9130677	0.6944843		-2.0	20	
1,2-Dibromo-3-chloropropane (DBCP)	A	10.0	9.32	0.1364139	0.1270961		-6.8	20	
1,2-Dibromoethane (EDB)	A	10.0	9.98	0.2041536	0.2037275		-0.2	20	
1,2-Dichlorobenzene	A	10.0	9.79	0.9558076	0.9360104		-2.1	20	
1,3-Dichlorobenzene	A	10.0	9.50	1.022274	0.9707513		-5.0	20	
1,4-Dichlorobenzene	A	10.0	9.72	1.018159	0.9901547		-2.8	20	
Dichlorodifluoromethane (Freon 12)	A	10.0	10.0	0.3229093	0.3234153		0.2	20	
1,1-Dichloroethane	A	10.0	11.0	0.5881858	0.6497632		10.5	20	
1,2-Dichloroethane	A	10.0	10.8	0.2868747	0.3091254		7.8	20	
1,1-Dichloroethylene	A	10.0	12.8	0.5551736	0.7122895		28.3	20	*
cis-1,2-Dichloroethylene	A	10.0	11.5	0.5313237	0.6101057		14.8	20	
trans-1,2-Dichloroethylene	A	10.0	11.5	0.4578958	0.5266684		15.0	20	
1,2-Dichloropropane	A	10.0	10.2	0.2284993	0.232075		1.6	20	
cis-1,3-Dichloropropene	A	10.0	10.2	0.3684016	0.373863		1.5	20	
trans-1,3-Dichloropropene	A	10.0	10.2	0.3191342	0.3265883		2.3	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23G1822
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	GCMSVOA7	Calibration:	2300846
Lab File ID:	G22V19903.D	Calibration Date:	07/12/23 05:14
Sequence:	S090652	Injection Date:	07/18/23
Lab Sample ID:	S090652-CCV1	Injection Time:	04:56

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,4-Dioxane	A	100	103	2.841731E-03	2.923749E-03		2.9	20	
Ethylbenzene	A	10.0	10.9	2.455145	2.677579		9.1	20	
2-Hexanone (MBK)	A	100	116	0.1576625	0.1827802		15.9	20	
Isopropylbenzene (Cumene)	A	10.0	10.7	2.535809	2.722212		7.4	20	
Methyl Acetate	A	10.0	10.1	0.3305145	0.3324264		0.6	20	
Methyl tert-Butyl Ether (MTBE)	A	10.0	10.5	0.8926565	0.9366513		4.9	20	
Methyl Cyclohexane	A	10.0	9.96	0.3504426	0.3489932		-0.4	20	
Methylene Chloride	A	10.0	10.9	0.4031239	0.4407657		9.3	20	
4-Methyl-2-pentanone (MIBK)	A	100	117	0.2064951	0.2413525		16.9	20	
Styrene	A	10.0	10.3	1.739451	1.796903		3.3	20	
1,1,2,2-Tetrachloroethane	A	10.0	10.1	0.7144844	0.7238563		1.3	20	
Tetrachloroethylene	A	10.0	10.8	0.2058066	0.2219258		7.8	20	
Toluene	A	10.0	11.0	0.8250477	0.9065385		9.9	20	
1,2,3-Trichlorobenzene	A	10.0	9.01	0.7311379	0.6586146		-9.9	20	
1,2,4-Trichlorobenzene	A	10.0	9.00	0.7880238	0.7092123		-10.0	20	
1,1,1-Trichloroethane	A	10.0	11.7	0.4677318	0.5460046		16.7	20	
1,1,2-Trichloroethane	A	10.0	9.81	0.1883578	0.184865		-1.9	20	
Trichloroethylene	A	10.0	10.7	0.2085854	0.2228202		6.8	20	
Trichlorofluoromethane (Freon 11)	A	10.0	12.5	0.4454877	0.5561355		24.8	20	*
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	L	10.0	11.6	0.3469077	0.4283567		16.3	20	
Vinyl Chloride	A	10.0	12.3	0.3792056	0.4679722		23.4	20	*
m+p Xylene	A	20.0	22.3	1.906431	2.129155		11.7	20	
o-Xylene	A	10.0	10.8	2.057623	2.216756		7.7	20	
1,2-Dichloroethane-d4	A	25.0	26.9	0.5510526	0.5937482		7.7		
Toluene-d8	A	25.0	25.4	1.16965	1.187725		1.5		
4-Bromofluorobenzene	A	25.0	25.0	1.267653	1.266824		-0.07		

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

250WATERST-SB109-SO-(10-12)

Laboratory:	Pace New England	Work Order:	23G1822
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Soil	Analysis:	SW-846 8270E
Batch:	B347190	Preparation:	SW-846 3546
% Solids:	75.17	Laboratory ID:	B347190-MS1
Initial/Final:	30 g / 1 mL	Sample Lab ID:	23G1822-02
Column:			

ANALYTE	SPIKE ADDED (mg/Kg dry)	SAMPLE CONCENTRATION (mg/Kg dry)	MS CONCENTRATION (mg/Kg dry)	MS % REC.		QC LIMITS REC.
Atrazine	2.22	ND	1.93	87.0		40 - 140
Benzaldehyde	2.22	ND	1.29	58.0		40 - 140
Biphenyl	2.22	ND	1.78	80.2		40 - 140
Caprolactam	2.22	ND	1.81	81.6		40 - 140
Acenaphthene	2.22	ND	1.68	75.8		40 - 140
Acenaphthylene	2.22	ND	1.72	77.8		40 - 140
Acetophenone	2.22	ND	1.58	71.3		40 - 140
Anthracene	2.22	ND	1.70	76.8		40 - 140
Benzo(a)anthracene	2.22	ND	1.74	78.3		40 - 140
Benzo(a)pyrene	2.22	ND	1.71	77.0		40 - 140
Benzo(b)fluoranthene	2.22	0.0763	1.75	75.4		40 - 140
Benzo(g,h,i)perylene	2.22	ND	1.30	58.6		40 - 140
Benzo(k)fluoranthene	2.22	ND	1.80	81.3		40 - 140
Bis(2-chloroethoxy)methane	2.22	ND	1.63	73.5		40 - 140
Bis(2-chloroethyl)ether	2.22	ND	1.32	59.7		40 - 140
Bis(2-chloroisopropyl)ether	2.22	ND	1.57	71.0		40 - 140
Bis(2-Ethylhexyl)phthalate	2.22	ND	2.03	91.6		40 - 140
4-Bromophenylphenylether	2.22	ND	1.65	74.6		40 - 140
Butylbenzylphthalate	2.22	ND	1.95	87.8		40 - 140
Carbazole	2.22	ND	1.70	76.7		40 - 140
4-Chloroaniline	2.22	ND	0.817	36.9	*	40 - 140
4-Chloro-3-methylphenol	2.22	ND	1.75	79.1		30 - 130
2-Chloronaphthalene	2.22	ND	1.53	69.1		40 - 140
2-Chlorophenol	2.22	ND	1.48	66.9		30 - 130
4-Chlorophenylphenylether	2.22	ND	1.66	74.7		40 - 140
Chrysene	2.22	ND	1.67	75.3		40 - 140
Dibenz(a,h)anthracene	2.22	ND	1.33	59.8		40 - 140
Dibenzofuran	2.22	ND	1.73	77.9		40 - 140
Di-n-butylphthalate	2.22	ND	1.81	81.5		40 - 140

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

250WATERST-SB109-SO-(10-12)

Laboratory:	Pace New England	Work Order:	23G1822
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Soil	Analysis:	SW-846 8270E
Batch:	B347190	Preparation:	SW-846 3546
% Solids:	75.17	Laboratory ID:	B347190-MS1
Initial/Final:	30 g / 1 mL	Sample Lab ID:	23G1822-02
Column:			

ANALYTE	SPIKE ADDED (mg/Kg dry)	SAMPLE CONCENTRATION (mg/Kg dry)	MS CONCENTRATION (mg/Kg dry)	MS % REC.		QC LIMITS REC.
3,3-Dichlorobenzidine	2.22	ND	1.50	67.8		40 - 140
2,4-Dichlorophenol	2.22	ND	1.68	75.7		30 - 130
Diethylphthalate	2.22	ND	1.70	76.6		40 - 140
2,4-Dimethylphenol	2.22	ND	1.44	65.2		30 - 130
Dimethylphthalate	2.22	ND	1.70	76.8		40 - 140
4,6-Dinitro-2-methylphenol	2.22	ND	2.18	98.5		30 - 130
2,4-Dinitrophenol	2.22	ND	0.852	38.4		30 - 130
2,4-Dinitrotoluene	2.22	ND	1.89	85.1		40 - 140
2,6-Dinitrotoluene	2.22	ND	2.01	90.7		40 - 140
Di-n-octylphthalate	2.22	ND	2.09	94.1		40 - 140
Fluoranthene	2.22	0.177	1.83	74.5		40 - 140
Fluorene	2.22	ND	1.69	76.2		40 - 140
Hexachlorobenzene	2.22	ND	1.67	75.3		40 - 140
Hexachlorobutadiene	2.22	ND	1.22	55.1		40 - 140
Hexachlorocyclopentadiene	2.22	ND	0.0 U	0	*	30 - 130
Hexachloroethane	2.22	ND	0.858	38.7	*	40 - 140
Indeno(1,2,3-cd)pyrene	2.22	ND	1.39	62.6		40 - 140
Isophorone	2.22	ND	1.67	75.5		40 - 140
2-Methylnaphthalene	2.22	ND	1.54	69.5		40 - 140
2-Methylphenol	2.22	ND	1.70	76.7		30 - 130
3/4-Methylphenol	2.22	0.399	2.03	73.7		30 - 130
Naphthalene	2.22	ND	1.43	64.6		40 - 140
2-Nitroaniline	2.22	ND	2.09	94.2		40 - 140
3-Nitroaniline	2.22	ND	1.56	70.3		40 - 140
4-Nitroaniline	2.22	ND	1.96	88.5		40 - 140
Nitrobenzene	2.22	ND	1.54	69.6		40 - 140
2-Nitrophenol	2.22	ND	1.80	81.0		30 - 130
4-Nitrophenol	2.22	ND	1.88	84.9		30 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

250WATERST-SB109-SO-(10-12)

Laboratory:	Pace New England	Work Order:	23G1822
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Soil	Analysis:	SW-846 8270E
Batch:	B347190	Preparation:	SW-846 3546
% Solids:	75.17	Laboratory ID:	B347190-MSD1
Initial/Final:	30 g / 1 mL	Sample Lab ID:	23G1822-02
Column:			

ANALYTE	SPIKE ADDED (mg/Kg dry)	MSD CONCENTRATION (mg/Kg dry)	MSD % REC. #	% RPD		QC LIMITS RPD	QC LIMITS REC.
Atrazine	2.22	1.74	78.3	10.6		30	40 - 140
Benzaldehyde	2.22	1.36	61.4	5.66		30	40 - 140
Biphenyl	2.22	1.61	72.7	9.86		30	40 - 140
Caprolactam	2.22	1.30	58.6	32.7	*	30	40 - 140
Acenaphthene	2.22	1.47	66.3	13.4		30	40 - 140
Acenaphthylene	2.22	1.54	69.6	11.0		30	40 - 140
Acetophenone	2.22	1.56	70.4	1.16		30	40 - 140
Anthracene	2.22	1.53	69.1	10.6		30	40 - 140
Benzo(a)anthracene	2.22	1.50	67.6	14.6		30	40 - 140
Benzo(a)pyrene	2.22	1.47	66.2	15.0		30	40 - 140
Benzo(b)fluoranthene	2.22	1.59	68.2	9.63		30	40 - 140
Benzo(g,h,i)perylene	2.22	1.34	60.4	3.13		30	40 - 140
Benzo(k)fluoranthene	2.22	1.60	72.3	11.8		30	40 - 140
Bis(2-chloroethoxy)methane	2.22	1.54	69.3	5.97		30	40 - 140
Bis(2-chloroethyl)ether	2.22	1.35	60.8	1.82		30	40 - 140
Bis(2-chloroisopropyl)ether	2.22	1.43	64.6	9.38		30	40 - 140
Bis(2-Ethylhexyl)phthalate	2.22	1.77	80.0	13.4		30	40 - 140
4-Bromophenylphenylether	2.22	1.53	69.1	7.65		30	40 - 140
Butylbenzylphthalate	2.22	1.67	75.3	15.3		30	40 - 140
Carbazole	2.22	1.55	69.7	9.51		30	40 - 140
4-Chloroaniline	2.22	0.824	37.2	0.811	*	30	40 - 140
4-Chloro-3-methylphenol	2.22	1.58	71.4	10.2		30	30 - 130
2-Chloronaphthalene	2.22	1.36	61.4	11.8		30	40 - 140
2-Chlorophenol	2.22	1.49	67.1	0.179		30	30 - 130
4-Chlorophenylphenylether	2.22	1.49	67.3	10.4		30	40 - 140
Chrysene	2.22	1.45	65.2	14.3		30	40 - 140
Dibenz(a,h)anthracene	2.22	1.33	59.9	0.200		30	40 - 140
Dibenzofuran	2.22	1.54	69.3	11.7		30	40 - 140
Di-n-butylphthalate	2.22	1.60	72.0	12.5		30	40 - 140

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

250WATERST-SB109-SO-(10-12)

Laboratory:	Pace New England	Work Order:	23G1822
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Soil	Analysis:	SW-846 8270E
Batch:	B347190	Preparation:	SW-846 3546
% Solids:	75.17	Laboratory ID:	B347190-MSD1
Initial/Final:	30 g / 1 mL	Sample Lab ID:	23G1822-02
Column:			

ANALYTE	SPIKE ADDED (mg/Kg dry)	MSD CONCENTRATION (mg/Kg dry)	MSD % REC. #		% RPD		QC LIMITS RPD	QC LIMITS REC.
3,3-Dichlorobenzidine	2.22	1.25	56.2		18.8		30	40 - 140
2,4-Dichlorophenol	2.22	1.56	70.5		7.14		30	30 - 130
Diethylphthalate	2.22	1.53	68.8		10.7		30	40 - 140
2,4-Dimethylphenol	2.22	1.28	57.6		12.4		30	30 - 130
Dimethylphthalate	2.22	1.61	72.6		5.65		30	40 - 140
4,6-Dinitro-2-methylphenol	2.22	0.634	28.6	*	110	*	30	30 - 130
2,4-Dinitrophenol	2.22	0.0984	4.44	*	159	*	30	30 - 130
2,4-Dinitrotoluene	2.22	1.78	80.5		5.65		30	40 - 140
2,6-Dinitrotoluene	2.22	1.88	84.6		7.00		30	40 - 140
Di-n-octylphthalate	2.22	2.08	93.9		0.298		30	40 - 140
Fluoranthene	2.22	1.67	67.3		9.18		30	40 - 140
Fluorene	2.22	1.51	68.3		11.0		30	40 - 140
Hexachlorobenzene	2.22	1.58	71.3		5.54		30	40 - 140
Hexachlorobutadiene	2.22	1.11	50.2		9.38		30	40 - 140
Hexachlorocyclopentadiene	2.22	0.0 U	0	*			30	30 - 130
Hexachloroethane	2.22	0.755	34.0	*	12.8		30	40 - 140
Indeno(1,2,3-cd)pyrene	2.22	1.36	61.4		1.81		30	40 - 140
Isophorone	2.22	1.56	70.3		7.19		30	40 - 140
2-Methylnaphthalene	2.22	1.37	61.9		11.6		30	40 - 140
2-Methylphenol	2.22	1.62	73.1		4.78		30	30 - 130
3/4-Methylphenol	2.22	1.94	69.5		4.71		30	30 - 130
Naphthalene	2.22	1.33	59.9		7.61		30	40 - 140
2-Nitroaniline	2.22	1.90	85.6		9.48		30	40 - 140
3-Nitroaniline	2.22	1.46	65.7		6.83		30	40 - 140
4-Nitroaniline	2.22	1.82	82.1		7.48		30	40 - 140
Nitrobenzene	2.22	1.49	67.2		3.42		30	40 - 140
2-Nitrophenol	2.22	1.75	79.0		2.55		30	30 - 130
4-Nitrophenol	2.22	1.70	76.5		10.4		30	30 - 130

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8270E

Laboratory:	Pace New England	Work Order:	23G1822
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Calibration:	2301084	Instrument:	GCMSSV4
		Calibration Date:	7/25/2023 8:39:22AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
2,4-Dichlorophenol	0.3245356	6.6			20	
Diethylphthalate	1.415853	5.1			20	
2,4-Dimethylphenol	0.3625293	11.4			20	
Dimethylphthalate	1.427859	4.8			20	
4,6-Dinitro-2-methylphenol	8.026663E-02	36.5			20	*
2,4-Dinitrophenol	0.0997562	43.9			20	*
2,4-Dinitrotoluene	0.3604203	20.9	0.998		0.99	
2,6-Dinitrotoluene	0.2801027	17.2			20	
Di-n-octylphthalate	1.381202	19.5			20	
Fluoranthene	1.226361	8.0			20	
Fluorene	1.429523	7.1			20	
Hexachlorobenzene	0.2651598	4.8			20	
Hexachlorobutadiene	0.2057564	3.7			20	
Hexachlorocyclopentadiene	0.3230031	14.7			20	
Hexachloroethane	0.6082943	4.5			20	
Indeno(1,2,3-cd)pyrene	1.05187	19.9			20	
Isophorone	0.6455927	4.0			20	
2-Methylnaphthalene	0.7307279	4.8			20	
2-Methylphenol	1.262071	5.7			20	
3/4-Methylphenol	1.424123	7.2			20	
Naphthalene	1.079343	6.3			20	
2-Nitroaniline	0.3008206	11.7			20	
3-Nitroaniline	0.3049105	12.5			20	
4-Nitroaniline	0.3391166	10.7			20	
Nitrobenzene	0.3416634	5.9			20	
2-Nitrophenol	0.1667566	16.5			20	
4-Nitrophenol	0.1525805	17.5			20	
N-Nitrosodiphenylamine/Diphenylamine	0.5897147	4.9			20	
N-Nitrosodi-n-propylamine	0.9251862	7.8			20	
Pentachlorophenol	0.1674556	12.9			20	

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Pace New England	Work Order:	23G1822
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	GCMSSV4	Calibration:	2301084
Lab File ID:	D23S206018.D	Calibration Date:	07/25/23 08:39
Sequence:	S093002	Injection Date:	07/25/23
Lab Sample ID:	S093002-ICV1	Injection Time:	16:50

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)	
Atrazine	A	50.0	56.3	0.3581678	0.4032525		12.6	30	
Benzaldehyde	A	50.0	28.5	1.048258	0.5967243		-43.1	30	*
Biphenyl	A	50.0	50.6	1.645682	1.665992		1.2	30	
Caprolactam	A	50.0	57.8	9.322574E-02	0.1077171		15.5	30	
Acenaphthene	A	50.0	50.9	1.21598	1.238781		1.9	30	
Acenaphthylene	A	50.0	52.5	1.913558	2.009338		5.0	30	
Acetophenone	A	50.0	49.7	1.963285	1.951071		-0.6	30	
Anthracene	A	50.0	50.8	1.114591	1.133545		1.7	30	
Benzo(a)anthracene	A	50.0	50.9	1.462137	1.487143		1.7	30	
Benzo(a)pyrene	A	50.0	50.2	1.153298	1.15906		0.5	30	
Benzo(b)fluoranthene	A	50.0	52.5	1.340032	1.406456		5.0	30	
Benzo(g,h,i)perylene	A	50.0	54.2	1.090769	1.182295		8.4	30	
Benzo(k)fluoranthene	A	50.0	52.9	1.201359	1.270405		5.7	30	
Bis(2-chloroethoxy)methane	A	50.0	52.1	0.4206191	0.4386523		4.3	30	
Bis(2-chloroethyl)ether	A	50.0	53.2	1.000125	1.064544		6.4	30	
Bis(2-chloroisopropyl)ether	A	50.0	56.5	1.484059	1.676315		13.0	30	
Bis(2-Ethylhexyl)phthalate	A	50.0	56.4	0.8434581	0.9512183		12.8	30	
4-Bromophenylphenylether	A	50.0	49.1	0.2256438	0.2215775		-1.8	30	
Butylbenzylphthalate	A	50.0	56.7	0.6276296	0.7120003		13.4	30	
Carbazole	A	50.0	50.2	1.075248	1.079135		0.4	30	
4-Chloroaniline	A	50.0	36.0	0.4098773	0.2952834		-28.0	30	
4-Chloro-3-methylphenol	A	50.0	51.1	0.3069222	0.3134581		2.1	30	
2-Chloronaphthalene	A	50.0	47.5	1.526064	1.449635		-5.0	30	
2-Chlorophenol	A	50.0	51.6	1.510936	1.559767		3.2	30	
4-Chlorophenylphenylether	A	50.0	49.5	0.7097296	0.7020415		-1.1	30	
Chrysene	A	50.0	49.1	1.384738	1.359087		-1.9	30	
Dibenz(a,h)anthracene	A	50.0	54.1	1.078215	1.166177		8.2	30	
Dibenzofuran	A	50.0	51.4	1.761122	1.810145		2.8	30	
Di-n-butylphthalate	A	50.0	52.9	1.260746	1.332833		5.7	30	

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Pace New England	Work Order:	23G1822
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	GCMSSV4	Calibration:	2301084
Lab File ID:	D23S206018.D	Calibration Date:	07/25/23 08:39
Sequence:	S093002	Injection Date:	07/25/23
Lab Sample ID:	S093002-ICV1	Injection Time:	16:50

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)	
3,3-Dichlorobenzidine	A	50.0	51.8	0.4336696	0.4488886		3.5	30	
2,4-Dichlorophenol	A	50.0	52.2	0.3245356	0.3389116		4.4	30	
Diethylphthalate	A	50.0	49.6	1.415853	1.403872		-0.8	30	
2,4-Dimethylphenol	A	50.0	42.1	0.3625293	0.3052735		-15.8	30	
Dimethylphthalate	A	50.0	49.4	1.427859	1.41057		-1.2	30	
4,6-Dinitro-2-methylphenol	A	50.0	67.5	8.026663E-02	0.1083426		35.0	30	*
2,4-Dinitrophenol	A	50.0	67.7	0.0997562	0.1350956		35.4	30	*
2,4-Dinitrotoluene	L	50.0	53.3	0.3604203	0.4176888		6.6	30	
2,6-Dinitrotoluene	A	50.0	59.5	0.2801027	0.333371		19.0	30	
Di-n-octylphthalate	A	50.0	54.9	1.381202	1.5164		9.8	30	
Fluoranthene	A	50.0	52.3	1.226361	1.282262		4.6	30	
Fluorene	A	50.0	50.3	1.429523	1.438977		0.7	30	
Hexachlorobenzene	A	50.0	50.9	0.2651598	0.2699072		1.8	30	
Hexachlorobutadiene	A	50.0	47.7	0.2057564	0.1964486		-4.5	30	
Hexachlorocyclopentadiene	A	50.0	43.1	0.3230031	0.2782412		-13.9	30	
Hexachloroethane	A	50.0	50.4	0.6082943	0.6134815		0.9	30	
Indeno(1,2,3-cd)pyrene	A	50.0	55.8	1.05187	1.174731		11.7	30	
Isophorone	A	50.0	53.9	0.6455927	0.6953722		7.7	30	
2-Methylnaphthalene	A	50.0	48.6	0.7307279	0.7105479		-2.8	30	
2-Methylphenol	A	50.0	52.0	1.262071	1.312994		4.0	30	
3/4-Methylphenol	A	50.0	52.8	1.424123	1.503234		5.6	30	
Naphthalene	A	50.0	49.9	1.079343	1.076898		-0.2	30	
2-Nitroaniline	A	50.0	56.5	0.3008206	0.3401276		13.1	30	
3-Nitroaniline	A	50.0	52.1	0.3049105	0.3175485		4.1	30	
4-Nitroaniline	A	50.0	55.7	0.3391166	0.3778955		11.4	30	
Nitrobenzene	A	50.0	53.5	0.3416634	0.3657269		7.0	30	
2-Nitrophenol	A	50.0	58.5	0.1667566	0.1950118		16.9	30	
4-Nitrophenol	A	50.0	56.7	0.1525805	0.172982		13.4	30	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Pace New England	Work Order:	23G1822
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	GCMSSV4	Calibration:	2301084
Lab File ID:	D23S210005.D	Calibration Date:	07/25/23 08:39
Sequence:	S091250	Injection Date:	07/29/23
Lab Sample ID:	S091250-CCV1	Injection Time:	14:46

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
2,4-Dimethylphenol	A	50.0	49.4	0.3625293	0.3583108		-1.2	20	
Dimethylphthalate	A	50.0	50.9	1.427859	1.454012		1.8	20	
4,6-Dinitro-2-methylphenol	A	50.0	74.2	8.026663E-02	0.1191728		48.5	20	*
2,4-Dinitrophenol	A	50.0	85.5	0.0997562	0.1705464		71.0	20	*
2,4-Dinitrotoluene	L	50.0	56.1	0.3604203	0.4417357		12.2	20	
2,6-Dinitrotoluene	A	50.0	59.8	0.2801027	0.3352207		19.7	20	
Di-n-octylphthalate	A	50.0	60.2	1.381202	1.662792		20.4	20	*
Fluoranthene	A	50.0	50.6	1.226361	1.241669		1.2	20	
Fluorene	A	50.0	50.1	1.429523	1.433063		0.2	20	
Hexachlorobenzene	A	50.0	49.0	0.2651598	0.2598287		-2.0	20	
Hexachlorobutadiene	A	50.0	47.4	0.2057564	0.1948634		-5.3	20	
Hexachlorocyclopentadiene	A	50.0	60.4	0.3230031	0.3900822		20.8	20	*
Hexachloroethane	A	50.0	51.8	0.6082943	0.6302494		3.6	20	
Indeno(1,2,3-cd)pyrene	A	50.0	53.1	1.05187	1.117631		6.3	20	
Isophorone	A	50.0	52.1	0.6455927	0.6727585		4.2	20	
2-Methylnaphthalene	A	50.0	51.2	0.7307279	0.7479949		2.4	20	
2-Methylphenol	A	50.0	55.8	1.262071	1.408831		11.6	20	
3/4-Methylphenol	A	100	107	1.424123	1.523459		7.0	20	
Naphthalene	A	50.0	49.1	1.079343	1.059242		-1.9	20	
2-Nitroaniline	A	50.0	63.4	0.3008206	0.3814347		26.8	20	*
3-Nitroaniline	A	50.0	63.9	0.3049105	0.3894301		27.7	20	*
4-Nitroaniline	A	50.0	58.9	0.3391166	0.3995611		17.8	20	
Nitrobenzene	A	50.0	56.8	0.3416634	0.3882677		13.6	20	
2-Nitrophenol	A	50.0	63.3	0.1667566	0.2111671		26.6	20	*
4-Nitrophenol	A	50.0	60.2	0.1525805	0.1836754		20.4	20	*
N-Nitrosodiphenylamine/Diphenylamine	A	42.8	46.3	0.5897147	0.6395435		8.4	20	
N-Nitrosodi-n-propylamine	A	50.0	53.3	0.9251862	0.9870647		6.7	20	
Pentachlorophenol	A	50.0	53.9	0.1674556	0.1806018		7.9	20	

1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Pace New England			Work Order:	23G1822
Client:	NYDEC_TRC Engineers, Inc. - New York, NY		Project:	250 Water Street P-site CAT B - CO 147098	
Matrix:	Soil	Laboratory ID:	B347190-BLK1	File ID:	D23S210018.D
Sampled:		Prepared:	07/27/23 07:02	Analyzed:	07/29/23 19:34
Solids:		Preparation:	SW-846 3546	Dilution:	
Initial/Final:	30 g / 1 mL				
Batch:	B347190	Sequence:	S091250	Calibration:	2301084
Instrument:	GCMSSV4				
Column:	1				

CAS NO.	COMPOUND	CONC. (mg/Kg wet)	MDL	RL	Q
100-02-7	4-Nitrophenol		0.14	0.66	V-06
86-30-6	N-Nitrosodiphenylamine/Diphenylamine		0.068	0.34	
621-64-7	N-Nitrosodi-n-propylamine		0.074	0.34	
87-86-5	Pentachlorophenol		0.15	0.34	
85-01-8	Phenanthrene		0.066	0.17	
108-95-2	Phenol		0.079	0.34	
129-00-0	Pyrene		0.068	0.17	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.069	0.34	
95-95-4	2,4,5-Trichlorophenol		0.066	0.34	
88-06-2	2,4,6-Trichlorophenol		0.065	0.34	

CAS NO.	TENTATIVELY IDENTIFIED COMPOUNDS	CONC. (mg/Kg wet)	Q
NA	3-Penten-2-one, 4-methyl-	3.1	B
000594-82-1	Butane, 2,2,3,3-tetramethyl-	19	B
000559-74-0	Friedelan-3-one	15	B
000625-86-5	Furan, 2,5-dimethyl-	2.1	B
NA	Tentatively Identified Compounds	0.0	

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8081B

Laboratory:	Pace New England	Work Order:	23G1822
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	ECD6	Calibration:	2300864
Lab File ID:	F23E200017.D	Calibration Date:	07/17/23 00:00
Sequence:	S090819	Injection Date:	07/19/23
Lab Sample ID:	S090819-ICV1	Injection Time:	16:41

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)	
Chlordane	A	100	111					20	
Chlordane [2C]	A	100	116					20	
Chlordane (1)	A	100	115	1524942	1753000		15.0	20	
Chlordane (1) [2C]	A	100	125	657137	823019.3		25.2	20	*
Chlordane (2)	A	100	130	2286001	2982000		30.4	20	*
Chlordane (2) [2C]	A	100	143	939848.4	1339000		42.5	20	*
Chlordane (3)	A	100	113	1762761	1983000		12.5	20	
Chlordane (3) [2C]	A	100	120	811086.6	975082		20.2	20	*
Chlordane (4)	A	100	101	6209312	6243000		0.5	20	
Chlordane (4) [2C]	A	100	68.5	2644451	1811000		-31.5	20	*
Chlordane (5)	A	100	94.9	1747703	1659000		-5.1	20	
Chlordane (5) [2C]	A	100	123	1852094	2272000		22.7	20	*

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8082A

Laboratory:	Pace New England	Work Order:	23G1822
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	ECD10	Calibration:	2300499
Lab File ID:	J23E115057.D	Calibration Date:	04/25/23 00:00
Sequence:	S086616	Injection Date:	04/27/23
Lab Sample ID:	S086616-ICV1	Injection Time:	00:47

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)	
Aroclor-1221	A	100	95.0				-5.0	20	
Aroclor-1221 (1)	A	100	93.7	185298.5	173544.4		-6.3	20	
Aroclor-1221 (2)	A	100	94.5	123291.7	116562.3		-5.5	20	
Aroclor-1221 (3)	A	100	96.7	438700.9	424333.6		-3.3	20	
Aroclor-1221 (4)	A	100	0.00					20	
Aroclor-1221 (5)	A	100	0.00					20	
Aroclor-1221 [2C]	A	100	91.9				-8.1	20	
Aroclor-1221 (1) [2C]	A	100	88.6	256880.2	227493.9		-11.4	20	
Aroclor-1221 (2) [2C]	A	100	98.3	157239.4	154531.9		-1.7	20	
Aroclor-1221 (3) [2C]	A	100	88.8	610534.6	541873.7		-11.2	20	
Aroclor-1221 (4) [2C]	A	100	0.00					20	
Aroclor-1221 (5) [2C]	A	100	0.00					20	
Aroclor-1262	A	100	85.0				-15.0	20	
Aroclor-1262 (1)	A	100	81.4	788888.9	641798.1		-18.6	20	
Aroclor-1262 (2)	A	100	79.2	1100506	871693.8		-20.8	20	*
Aroclor-1262 (3)	A	100	91.2	1213025	1106000		-8.8	20	
Aroclor-1262 (4)	A	100	86.9	1105881	960480.5		-13.1	20	
Aroclor-1262 (5)	A	100	86.5	2414060	2089000		-13.5	20	
Aroclor-1262 [2C]	A	100	85.3				-14.7	20	
Aroclor-1262 (1) [2C]	A	100	83.9	928308.8	778715		-16.1	20	
Aroclor-1262 (2) [2C]	A	100	81.1	1089523	884025.8		-18.9	20	
Aroclor-1262 (3) [2C]	A	100	89.4	1370979	1226000		-10.6	20	
Aroclor-1262 (4) [2C]	A	100	88.6	1350505	1197000		-11.4	20	
Aroclor-1262 (5) [2C]	A	100	83.6	2785865	2329000		-16.4	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8082A

Laboratory:	Pace New England	Work Order:	23G1822
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	ECD10	Calibration:	2300741
Lab File ID:	J23E164018.D	Calibration Date:	06/14/23 13:16
Sequence:	S089094	Injection Date:	06/13/23
Lab Sample ID:	S089094-ICV1	Injection Time:	13:18

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)	
Aroclor-1232	A	100	94.9				-5.1	20	
Aroclor-1232 (1)	A	100	93.0	140774.5	130955.3		-7.0	20	
Aroclor-1232 (2)	A	100	95.5	453471.2	433156.3		-4.5	20	
Aroclor-1232 (3)	A	100	103	298455.9	306295.6		2.6	20	
Aroclor-1232 (4)	A	100	94.5	227108	214527.4		-5.5	20	
Aroclor-1232 (5)	A	100	89.1	152572.8	135876.7		-10.9	20	
Aroclor-1232 [2C]	A	100	89.2				-10.8	20	
Aroclor-1232 (1) [2C]	A	100	92.9	173800	161389.7		-7.1	20	
Aroclor-1232 (2) [2C]	A	100	95.4	520303.3	496379.9		-4.6	20	
Aroclor-1232 (3) [2C]	A	100	83.9	188951.7	158483.5		-16.1	20	
Aroclor-1232 (4) [2C]	A	100	88.0	270227.7	237846.4		-12.0	20	
Aroclor-1232 (5) [2C]	A	100	85.9	324945.4	279140.4		-14.1	20	
Aroclor-1268	A	100	108				8.2	20	
Aroclor-1268 (1)	A	100	99.1	3151786	3124000		-0.9	20	
Aroclor-1268 (2)	A	100	101	3020931	3046000		0.8	20	
Aroclor-1268 (3)	A	100	89.1	2849089	2540000		-10.9	20	
Aroclor-1268 (4)	A	100	140	773745.7	1086000		40.4	20	*
Aroclor-1268 (5)	A	100	112	7379758	8247000		11.8	20	
Aroclor-1268 [2C]	A	100	106				6.4	20	
Aroclor-1268 (1) [2C]	A	100	96.4	3140563	3027000		-3.6	20	
Aroclor-1268 (2) [2C]	A	100	98.9	2927612	2896000		-1.1	20	
Aroclor-1268 (3) [2C]	A	100	86.4	2692903	2327000		-13.6	20	
Aroclor-1268 (4) [2C]	A	100	140	777971.8	1085000		39.5	20	*
Aroclor-1268 (5) [2C]	A	100	111	6858942	7588000		10.6	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

LOW-CONCENTRATION CALIBRATION VERIFICATION

SW-846 6010D

Laboratory: Pace New England
SDG: 23G1822
Client: NYDEC_TRC Engineers, Inc. - New York, NY
Project: 250 Water Street P-site CAT B - CO 147098
Calibration: 2300907
Laboratory ID: S091056-LCV1
Sequence: S091056
Standard ID: 2305079

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Aluminum	0.0500	0.0548	9.6	20.00
Antimony	0.0500	0.0446	-10.7	20.00
Arsenic	0.0100	0.0106	6.4	20.00
Barium	0.0500	0.0546	9.1	20.00
Beryllium	0.00400	0.00443	10.7	20.00
Cadmium	0.00400	0.00429	7.3	20.00
Calcium	0.500	0.524	4.7	20.00
Chromium	0.0100	0.0111	10.8	20.00
Cobalt	0.0100	0.0107	7.2	20.00
Iron	0.0500	0.0539	7.9	20.00
Lead	0.0100	0.0108	8.4	20.00
Magnesium	0.0500	0.0516	3.2	20.00
Manganese	0.0100	0.0106	5.8	20.00
Nickel	0.0100	0.0107	6.5	20.00
Potassium	2.00	2.14	7.2	20.00
Selenium	0.0500	0.0528	5.6	20.00
Silver	0.0100	0.0110	10.1	20.00
Sodium	2.00	2.12	6.1	20.00
Thallium	0.0500	0.0560	11.9	20.00
Vanadium	0.0100	0.0104	4.4	20.00

* Values outside of QC limits

LOW-CONCENTRATION CALIBRATION VERIFICATION

SW-846 6010D

Laboratory: Pace New England
SDG: 23G1822
Client: NYDEC_TRC Engineers, Inc. - New York, NY
Project: 250 Water Street P-site CAT B - CO 147098
Calibration: 2300907
Laboratory ID: S091056-LCV2
Sequence: S091056
Standard ID: 2306139

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Zinc	0.0200	0.0234	16.9	20.00

* Values outside of QC limits

LOW-CONCENTRATION CALIBRATION VERIFICATION

SW-846 6010D

Laboratory: Pace New England
SDG: 23G1822
Client: NYDEC_TRC Engineers, Inc. - New York, NY
Project: 250 Water Street P-site CAT B - CO 147098
Calibration: 2300916
Laboratory ID: S091174-LCV1
Sequence: S091174
Standard ID: 2305770

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Antimony	0.0500	0.0442	-11.6	20.00
Arsenic	0.0100	0.00906	-9.4	20.00
Barium	0.0500	0.0560	12.0	20.00
Beryllium	0.00400	0.00444	10.9	20.00
Cadmium	0.00400	0.00445	11.2	20.00
Calcium	0.500	0.532	6.3	20.00
Chromium	0.0100	0.0114	13.7	20.00
Cobalt	0.0100	0.0110	9.8	20.00
Iron	0.0500	0.0521	4.2	20.00
Lead	0.0100	0.0116	15.6	20.00
Magnesium	0.0500	0.0541	8.2	20.00
Manganese	0.0100	0.0112	11.8	20.00
Nickel	0.0100	0.0113	13.4	20.00
Potassium	2.00	2.17	8.4	20.00
Selenium	0.0500	0.0562	12.4	20.00
Sodium	2.00	2.19	9.3	20.00
Thallium	0.0500	0.0542	8.4	20.00
Vanadium	0.0100	0.0113	13.5	20.00
Zinc	0.0100	0.0111	11.0	20.00

* Values outside of QC limits

FORM 3 - Blank Summary

SW-846 6010D

Laboratory:	Pace New England	Work Order:	23G1822
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	ICP3	Calibration:	2300907
Sequence:	S091077		

Lab Sample ID	Analyte	Found	Units	RL	C
B346824-BLK1	Nickel		mg/Kg wet	0.65	U
	Potassium		mg/Kg wet	160	U
	Selenium		mg/Kg wet	3.2	U
	Silver		mg/Kg wet	0.32	U
	Sodium		mg/Kg wet	160	U
	Thallium		mg/Kg wet	1.6	U
	Vanadium		mg/Kg wet	0.65	U
	Zinc	0.82	mg/Kg wet	0.65	
S091077-CCB2	Aluminum		mg/L	0.50	U
	Antimony		mg/L	0.050	U
	Arsenic		mg/L	0.10	U
	Barium		mg/L	0.050	U
	Beryllium		mg/L	0.0050	U
	Cadmium		mg/L	0.010	U
	Calcium		mg/L	0.50	U
	Chromium		mg/L	0.020	U
	Cobalt		mg/L	0.050	U
	Iron		mg/L	0.50	U
	Lead		mg/L	0.015	U
	Magnesium		mg/L	0.50	U
	Manganese		mg/L	0.010	U
	Nickel		mg/L	0.020	U
	Potassium		mg/L	5.0	U
	Selenium		mg/L	0.10	U
	Silver		mg/L	0.010	U
	Sodium		mg/L	5.0	U
	Thallium		mg/L	0.050	U
	Vanadium		mg/L	0.020	U
	Zinc		mg/L	0.020	U
S091077-CCB3	Aluminum		mg/L	0.50	U
	Antimony		mg/L	0.050	U
	Arsenic		mg/L	0.10	U
	Barium		mg/L	0.050	U

FORM 3 - Blank Summary

SW-846 6010D

Laboratory:	Pace New England	Work Order:	23G1822
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	ICP2	Calibration:	2300916
Sequence:	S091193		

Lab Sample ID	Analyte	Found	Units	RL	C
S091193-CCB1	Antimony		mg/L	0.050	U
	Barium		mg/L	0.050	U
	Calcium		mg/L	0.50	U
	Copper	0.0061	mg/L	0.020	
	Iron		mg/L	0.50	U
	Magnesium		mg/L	0.50	U
	Nickel		mg/L	0.020	U
	Sodium		mg/L	5.0	U
B346824-BLK2	Copper	0.43	mg/Kg wet	0.65	J
	Iron		mg/Kg wet	16	U
S091193-CCB2	Antimony		mg/L	0.050	U
	Barium		mg/L	0.050	U
	Calcium		mg/L	0.50	U
	Copper	0.0045	mg/L	0.020	
	Iron		mg/L	0.50	U
	Magnesium		mg/L	0.50	U
	Nickel		mg/L	0.020	U
	Sodium		mg/L	5.0	U
S091193-CCB3	Antimony		mg/L	0.050	U
	Barium		mg/L	0.050	U
	Calcium		mg/L	0.50	U
	Copper	0.0062	mg/L	0.020	
	Iron		mg/L	0.50	U
	Magnesium		mg/L	0.50	U
	Nickel		mg/L	0.020	U
	Sodium		mg/L	5.0	U
S091193-CCB4	Antimony		mg/L	0.050	U
	Barium		mg/L	0.050	U
	Calcium		mg/L	0.50	U
	Copper	0.0048	mg/L	0.020	
	Iron		mg/L	0.50	U
	Magnesium		mg/L	0.50	U
	Nickel		mg/L	0.020	U

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

250WATERST-SB109-SO-(10-12)

Laboratory:	Pace New England	Work Order:	23G1822
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Soil	Analysis:	SW-846 6010D
Batch:	B346824	Preparation:	SW-846 3050B
% Solids:	75.17	Laboratory ID:	B346824-MS3
Column:		Sample Lab ID:	23G1822-02

ANALYTE	SPIKE ADDED (mg/Kg dry)	SAMPLE CONCENTRATION (mg/Kg dry)	MS CONCENTRATION (mg/Kg dry)	MS % REC.		QC LIMITS REC.
Antimony	22.0	ND	7.10 MS-07A	32.3	N	75 - 125
Barium	22.0	50.6	70.0	88.0		75 - 125
Copper	44.0	108	160	119		75 - 125
Iron	176	8040	8980 MS-19	530		75 - 125
Sodium	176	240	429	108		75 - 125

ANALYTE	SPIKE ADDED (mg/Kg dry)	MSD CONCENTRATION (mg/Kg dry)	MSD % REC. #		% RPD		QC LIMITS RPD	QC LIMITS REC.
Antimony	21.9	7.24 MS-07A	33.1	N	1.93	N	35	75 - 125
Barium	21.9	84.7 MS-22	156	N	19.1	N	35	75 - 125
Copper	43.8	317 MS-22	479		65.8	*	35	75 - 125
Iron	175	11000 MS-19	1680		20.2		35	75 - 125
Sodium	175	467 MS-22	130	N	8.45	N	35	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

250WATERST-SB110-SO-(2-4)

Laboratory:	Pace New England	Work Order:	23G1822
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Soil	Analysis:	SW-846 6010D
Batch:	B346824	Preparation:	SW-846 3050B
% Solids:	88.32	Laboratory ID:	B346824-MS4
Column:		Sample Lab ID:	23G1822-04

ANALYTE	SPIKE ADDED (mg/Kg dry)	SAMPLE CONCENTRATION (mg/Kg dry)	MS CONCENTRATION (mg/Kg dry)	MS % REC.		QC LIMITS REC.
Antimony	18.6	ND	2.08 Z-01	11.2	N	75 - 125
Barium	18.6	59.6	60.1 MS-07A	2.66	N	75 - 125
Copper	37.1	32.4	74.4	113		75 - 125
Iron	148	9220	8510 MS-19	-483		75 - 125
Sodium	148	329	436 MS-07A	72.2	N	75 - 125

ANALYTE	SPIKE ADDED (mg/Kg dry)	MSD CONCENTRATION (mg/Kg dry)	MSD % REC. #		% RPD		QC LIMITS RPD	QC LIMITS REC.
Antimony	18.6	2.13 Z-01	11.5	N	2.43	N	35	75 - 125
Barium	18.6	68.1 MS-07A	46.0	N	12.6	N	35	75 - 125
Copper	37.2	56.6 MS-22	65.0	N	27.2	N	35	75 - 125
Iron	149	7160 MS-19	-1390		17.2		35	75 - 125
Sodium	149	377 MS-07A	32.2	N	14.6	N	35	75 - 125

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 6010D

Laboratory:	Pace New England	Work Order:	23G1822
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Soil	Preparation:	SW-846 3050B
Batch:	B346824	Laboratory ID:	B346824-BS1
Column:		Initial/Final:	0.5086 g / 50 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.	QC LIMITS REC.
Aluminum	8040	7580	94.3	47.6 - 151.7
Antimony	129	88.6	68.7	9.8 - 189.9
Arsenic	183	179	97.9	83.1 - 116.9
Barium	297	316	106	82.2 - 118.2
Beryllium	78.8	86.0	109	83 - 117
Cadmium	221	222	100	82.4 - 117.2
Calcium	4710	4830	103	81.3 - 118.5
Chromium	200	213	107	81.5 - 118.5
Cobalt	97.4	104	106	83.3 - 117
Lead	257	265	103	82.1 - 117.9
Magnesium	2290	2290	99.8	75.5 - 124.5
Manganese	381	407	107	81.6 - 118.1
Nickel	169	177	105	82.2 - 117.2
Potassium	2030	2060	101	70 - 130
Selenium	217	221	102	79.3 - 121.2
Silver	67.8	72.9	108	79.8 - 120.1
Sodium	427	462	108	74 - 126
Thallium	80.5	86.6	108	80.7 - 119.4
Vanadium	205	219	107	78.5 - 121
Zinc	224	233	104	80.4 - 119.6

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aluminum	8040	7270	90.5	4.13	30	47.6 - 151.7
Antimony	129	85.7	66.4	3.37	30	9.8 - 189.9
Arsenic	183	168	91.8	6.41	30	83.1 - 116.9
Barium	297	309	104	2.27	20	82.2 - 118.2
Beryllium	78.8	79.3	101	8.07	30	83 - 117
Cadmium	221	202	91.6	9.26	20	82.4 - 117.2
Calcium	4710	4500	95.5	7.16	30	81.3 - 118.5
Chromium	200	196	98.0	8.49	30	81.5 - 118.5
Cobalt	97.4	95.9	98.5	7.73	20	83.3 - 117
Lead	257	260	101	1.66	30	82.1 - 117.9
Magnesium	2290	2220	96.8	3.07	30	75.5 - 124.5
Manganese	381	377	99.0	7.69	30	81.6 - 118.1
Nickel	169	164	96.9	7.66	30	82.2 - 117.2

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

250WATERST-SB110-SO-(2-4)

Laboratory:	Pace New England	Work Order:	23G1822
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Soil	Analysis:	SW-846 7471B
Batch:	B347347	Preparation:	SW-846 7471
% Solids:	88.32	Laboratory ID:	B347347-MS2
Column:		Sample Lab ID:	23G1822-04

ANALYTE	SPIKE ADDED (mg/Kg dry)	SAMPLE CONCENTRATION (mg/Kg dry)	MS CONCENTRATION (mg/Kg dry)	MS % REC.		QC LIMITS REC.
Mercury	0.388	0.0287	0.120 MS-07	23.7	N	80 - 120

ANALYTE	SPIKE ADDED (mg/Kg dry)	MSD CONCENTRATION (mg/Kg dry)	MSD % REC. #	% RPD		QC LIMITS RPD	QC LIMITS REC.
Mercury	0.381	0.422 MS-07	103	111	*	20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

250WATERST-SB109-SO-(10-12)

Laboratory:	Pace New England	Work Order:	23G1822
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Soil	Analysis:	SW-846 9014
Batch:	B346292	Preparation:	SW-846 9010C
% Solids:	75.17	Laboratory ID:	B346292-MS1
Column:		Sample Lab ID:	23G1822-02

ANALYTE	SPIKE ADDED (mg/Kg dry)	SAMPLE CONCENTRATION (mg/Kg dry)	MS CONCENTRATION (mg/Kg dry)	MS % REC.		QC LIMITS REC.
Cyanide	18.0	0.81	9.9 MS-07A	50.5	N	75 - 125

ANALYTE	SPIKE ADDED (mg/Kg dry)	MSD CONCENTRATION (mg/Kg dry)	MSD % REC. #		% RPD		QC LIMITS RPD	QC LIMITS REC.
Cyanide	16.2	12 MS-07A	66.5	N	15.6	N	35	75 - 125

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 9014

Laboratory:	Pace New England	Work Order:	23G1822
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Soil	Preparation:	SW-846 9010C
Batch:	B346292	Laboratory ID:	B346292-BS1
Column:		Initial/Final:	1.0399 g / 50 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.		QC LIMITS REC.
Cyanide	126	94	74.9	*	80 - 120

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD % REC. #	% RPD #		QC LIMITS RPD	QC LIMITS REC.
Cyanide	128	150	118	46.3	*	20	80 - 120

Data Usability Summary Report

Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

250 Water St., Manhattan, NY
Pace/Con-Test Analytical Laboratory SDG#23G1941
December 11, 2023
Revised: January 18, 2024
Sampling date: 7/14/2023

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package(revised January 18, 2024) for TRC Engineers, Inc., project located at 250 Water St., Manhattan, NY, SDG#23G1941 submitted to Vali-Data of WNY, LLC on October 10, 2023. This DUSR has been prepared in general compliance with USEPA National Functional Guidelines(NFG) and NYSDEC Analytical Services Protocols. The laboratory performed the analyses using USEPA method Volatile Organics (8260D), Semi-Volatile Organics (8270E), Pesticide (8081B), PCB (8082A), Inorganics/Mercury (6010D, 7471B) and in accordance with wet chemistry methods.

ID	Sample ID	Laboratory ID
1	250WATERST-SB111-SS(2-4)	23G1941-01
2	250WATERST-SB111-SS(8-10)	23G1941-02
3	250WATERST-SB111-SS(24-24)	23G1941-03
4	250WATERST-SB108-SS(2-4)	23G1941-04
5	250WATERST-SB108-SS(11-13)	23G1941-05
6	250WATERST-SB112-SS(2-4)	23G1941-06
7	250WATERST-SB112-SS(8-10)	23G1941-07
8	250WATERST-SS-DUP-20230714	23G1941-08

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Internal Standard (IS) Area Performance
-Surrogate Spike Recoveries
-Method Blank
-Field Duplicate Sample Precision
-Laboratory Control Samples
-MS/MSD
-Compound Quantitation
-Initial Calibration
-Continuing Calibration
-GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Laboratory Control Samples, Initial Calibration and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met except Methylene chloride was detected in DUSR ID#8 but was not detected in #1.

LABORATORY CONTROL SAMPLES
All criteria were met except the %Rec of Bromomethane was outside QC limits, high in the laboratory control samples and should be qualified as estimated. This target analyte was not detected in the associated samples, so no further action is required.

MS/MSD
No MS/MSD was acquired for this analysis.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met except a target analyte was outside QC limit in the initial calibration and/or the initial calibration verification and should be qualified as estimated in the associated samples, blanks and spikes.

ICal/ICV ID	Target Analyte	%D/RRF	Qualifier	Associated Sample
ICal/ICV GCMSVOA7	1,4-Dioxane	RRF	UJ/J	B346144, 1-8
ICal/ICV GCMSVOA7	Bromodichloromethane	RRF	UJ/J	B346144, 1-8
ICal/ICV GCMSVOA7	1,1,2-Trichloroethane	RRF	UJ/J	B346144, 1-8
ICV GCMSVOA7	Acetone	46.1	UJ/J	B346144, 1-8
ICV GCMSVOA7	Carbon disulfide	35.4	UJ/J	B346144, 1-8
ICV GCMSVOA7	1,1-Dichloroethene	22.6	UJ/J	B346144, 1-8

CONTINUING CALIBRATION

All criteria were met except several target analytes were outside QC limits in the continuing calibrations and should be qualified as estimated in the associated samples, blanks and spikes.

Ccal ID	Target Analyte	%D/RRF	Qualifier	Associated Sample
S090591-CCV1	1,4-Dioxane	RRF	UJ/J	B346144, 1-8
S090591-CCV1	Bromodichloromethane	RRF	UJ/J	B346144, 1-8
S090591-CCV1	1,1,2-Trichloroethane	RRF	UJ/J	B346144, 1-8
S090591-CCV1	Bromomethane	38.1	UJ/J	B346144, 1-8
S090591-CCV1	1,1-Dichloroethene	20.2	UJ/J	B346144, 1-8

GC/MS PERFORMANCE CHECK

All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Method Blank, Laboratory Control Samples and Continuing Calibration.

Sample: DUSR ID#6RE was diluted.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met except several TICs were detected in the method blank and should be qualified in the associated samples in which they were detected.

Blank ID	TIC ID	Concentration (mg/kg)	Qualifier	Associated Sample
B346180	Heptane, 2,3-dimethyl-	.33	U	1, 6-8
B346180	Heptane, 2,5-dimethyl-	.30	U	1, 4, 7, 8
B346180	Phosphine imide, P,P,P-trip…	.54	U	1-5, 7, 8

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met except Benzo(k)fluoranthene was detected in DUSR ID#8 but was not detected in #1.

LABORATORY CONTROL SAMPLES
All criteria were met except a target analyte was outside QC limits in the laboratory control samples and should be qualified as estimated.

LCS ID	Target Analyte	%Rec LCS	%Rec LCSD	Qualifier	Associated Sample
B346180	Hexachlorocyclopentadiene	26.3	27.2	UJ	1-8

MS/MSD
No MS/MSD was acquired for this analysis.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on some target analytes, with acceptable results except where noted above.

CONTINUING CALIBRATION
All criteria were met except several target analytes were outside QC limits in the continuing calibrations and should be qualified as estimated in the associated samples, blanks and spikes.

CCal ID	Target Analyte	RRF/%D	Qualifier	Associated Sample
S090694-CCV1	Hexachlorocyclopentadiene	-54.5	UJ/J	B346180, 1-8
S090694-CCV1	N-Nitrosodi-n-propylamine	28.1	UJ/J	B346180, 1-8

Some target analytes were outside laboratory QC limits but within NFG QC limits, so no further action is required.

GC/MS PERFORMANCE CHECK
All criteria were met.

PESTICIDES

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation

- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Laboratory Control Samples, MS/MSD, Initial Calibration and Continuing Calibration.

Samples: DUSR ID#1, #3, #4, #6 and #8 were diluted due to sample matrix.

DATA COMPLETENESS
All criteria were met except the %RPD was not recorded on Form III (Matrix Spike/Matrix Spike Duplicate Recovery) for Endrin aldehyde and Methoxychlor. The %RPD for these target analytes was within QC limits, so no further action is required.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met except the RPD of 4,4'-DDE, 4,4'-DDT, alpha-Chlordane, Endosulfan I and Endrin were outside QC limits between the columns in B346191-BS1 and should be qualified as estimated.
All criteria were met except the RPD of 4,4'-DDE, 4,4'-DDT, alpha-Chlordane, gamma-Chlordane, Endosulfan I and Endrin were outside QC limits between the columns in B346191-BSD1 and should be qualified as estimated.

MS/MSD
All criteria were met except the RPD of 4,4'-DDE was outside QC limits between the columns in DUSR ID#4MS and #4MSD and should be qualified as estimated.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met except a target analyte was outside QC limits in the initial calibration verification and should be qualified as estimated in the associated samples, blanks and spikes.

ICal/ICV ID	Target Analyte	Column	%D	Qualifier	Associated Sample
ICV ECD6	Chlordane p2	1	30.4	UJ	B346191-BLK1, 1-8
ICV ECD6	Chlordane p1,2,4,5	2	various	UJ	B346191-BLK1

CONTINUING CALIBRATION
All criteria were met except several target analytes were outside QC limits in the continuing calibrations and should be qualified as estimated.

CCal ID	Target Analyte	Column	%D	Qualifier	Associated Sample
S090740-CCVI	alpha-BHC	2	31.8	J	4MS/MSD
S090740-CCVI	gamma-BHC	2	27.0	J	4MS/MSD
S090740-CCVL	alpha-BHC	2	27.0	J	4MS/MSD

Some target analytes were outside laboratory QC limits but within NFG limits, so no further action is required.

PCB

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Initial Calibration.

Samples: DUSR ID#1-#8 were diluted due to sample matrix.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met except several target analytes were outside QC limits in the initial calibration verification and should be qualified as estimated in the associated samples, blanks and spikes.

ICV Instrument ID	Target Analyte	Column	%D	Qualifier	Associated Sample
ECD11	Aroclor 1254 p2	1	-20.3	UJ/J	B346190, 1-7
ECD11	Aroclor 1268 p4	1	44.1	UJ/J	B346190, 1-8
ECD11	Aroclor 1262 p2, 3	1	Various	UJ/J	B346190, 1-8
ECD11	Aroclor 1254 p4, 5	2	Various	UJ/J	B346190-BLK, 8
ECD11	Aroclor 1268 p4	2	25.0	UJ	B346190-BLK
ECD11	Aroclor 1262 p2	2	-20.1	UJ	B346190-BLK

CONTINUING CALIBRATION
All criteria were met.

METALS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Blanks
-Laboratory Control Sample
-MS/MSD/Duplicate
-Field Duplicate
-Serial Dilution
-Compound Quantitation
-Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Blanks, MS/MSD/Duplicate and Calibration.

Samples: DUSR ID#1, #2, #4 and #6 were diluted due to high target analyte concentrations.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All criteria were met.

BLANKS
All criteria were met except a target analyte was detected in a blank and should be qualified in the associated samples in which it was detected.

Blank ID	Target Analyte	Concentration	Qualifier	Associated Sample
S090896-CCB4	Ag	.0053mg/L	JH	1-8

LABORATORY CONTROL SAMPLE
All criteria were met.

MS/MSD/DUPLICATE
All criteria were met except a target analyte was outside QC limits in the matrix spikes and should be qualified as estimated.

Target Analyte	%Rec #4MS	%Rec #4MSD	Qualifier	Associated Sample
Hg	130	172	JH	4

FIELD DUPLICATE
All criteria were met except Cd and Tl were detected in DUSR ID#1 but was not detected in #8.

SERIAL DILUTION
No serial dilution was performed.

COMPOUND QUANTITATION
All criteria were met.

CALIBRATION
All criteria were met except the %Rec of several target analytes was outside QC limits in the Low-Concentration Calibration Verification. These target analytes should be qualified as estimated in the associated samples, blanks and spikes.

Calibration ID	Target Analyte	%D or %Rec	Qualifier	Associated Sample
S090642-LCV1	Sb	12.1	UJ/J	B346113, 1-8
S090642-LCV1	Ba	15.9	UJ/J	B346113, 1-8
S090642-LCV1	Be	15.8	UJ/J	B346113, 1-8
S090642-LCV1	Cd	14.0	UJ/J	B346113, 1-8
S090642-LCV1	Ca	10.6	UJ/J	B346113, 3, 5, 7, 8
S090642-LCV1	Cr	19.8	UJ/J	B346113, 1-8

Calibration ID	Target Analyte	%D or %Rec	Qualifier	Associated Sample
S090642-LCV1	Co	11.4	UJ/J	B346113, 1-8
S090642-LCV1	Cu	12.6	UJ/J	B346113, 1-8
S090642-LCV1	Pb	12.8	UJ/J	B346113, 1-8
S090642-LCV1	Mg	16.5	UJ/J	B346113, 1-8
S090642-LCV1	Mn	14.7	UJ/J	B346113, 1-8
S090642-LCV1	Ni	16.2	UJ/J	B346113, 1-8
S090642-LCV1	Ag	-11.2	UJ/J	B346113, 1-8
S090642-LCV1	Na	14.6	UJ/J	B346113, 1-8
S090642-LCV2	As	-11.8	UJ/J	B346113, 1-8
S090642-LCV3	Al	17.5	UJ/J	B346113, 1-8
S090690-LCV1	K	14.4	UJ/J	B346113, 1-8
S090690-LCV1	Se	18.8	UJ/J	B346113, 1-8
S090896-LCV1	V	15.4	UJ/J	B346113, 1-8
S090648-IFB1	As	118	JH	B346113-BS/BSD, 1-8
S090648-IFB1	Ag	118	JH	B346113-BS/BSD, 1-8
S090648-IFB2	As	116	JH	B346113-BS/BSD, 1-8
S090648-IFB2	Ag	117	JH	B346113-BS/BSD, 1-8

GENERAL CHEMISTRY

The following items/criteria were reviewed for this analytical suite:

- Cyanide
- %Solids

The items listed above were technically in compliance with the method and SOP criteria with any exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below.

CYANIDE

All criteria were met except Cn was detected in DUSR ID#8 but was not detected in #1.

%SOLIDS

All criteria were met.

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

SW-846 7471B

Qualifications:

MS-12

Matrix spike recovery and matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a high bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

Analyte & Samples(s) Qualified:

Mercury
23G1941-04[250WATERST-SB108-SS(2-4)], B346580-MS1, B346580-MSD1

SW-846 8081B

Qualifications:

DL-03

Elevated reporting limit due to matrix.

Analyte & Samples(s) Qualified:

23G1941-01[250WATERST-SB111-SS(2-4)], 23G1941-03[250WATERST-SB111-SS(22-24)], 23G1941-04[250WATERST-SB108-SS(2-4)], 23G1941-06[250WATERST-SB112-SS(2-4)], 23G1941-08[250WATERST-SS-DUP-20230714]

V-06

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

Analyte & Samples(s) Qualified:

alpha-BHC [2C]
B346191-BS1, B346191-BSD1, B346191-MS1, B346191-MSD1

delta-BHC [2C]
B346191-MS1, B346191-MSD1

gamma-BHC (Lindane) [2C]
B346191-BS1, B346191-BSD1, B346191-MS1, B346191-MSD1

Hexachlorobenzene [2C]
B346191-MS1, B346191-MSD1

SW-846 8260D

Qualifications:

L-02

Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.

Analyte & Samples(s) Qualified:

Bromomethane
B346144-BS1, B346144-BSD1

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

Bromomethane
B346144-BS1, B346144-BSD1, S090591-CCV1

Chloroethane
B346144-BS1, B346144-BSD1, S090591-CCV1

SW-846 8270E

Qualifications:

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B

Analyte is found in the associated laboratory blank as well as in the sample.

Analyte & Samples(s) Qualified:

Heptane, 2,3-dimethyl-
23G1941-01[250WATERST-SB111-SS(2-4)], 23G1941-06[250WATERST-SB112-SS(2-4)], 23G1941-07[250WATERST-SB112-SS(8-10)], 23G1941-08[250WATERST-SS-DUP-20230714], B346180-BLK1

Heptane, 2,5-dimethyl-
23G1941-01[250WATERST-SB111-SS(2-4)], 23G1941-04[250WATERST-SB108-SS(2-4)], 23G1941-07[250WATERST-SB112-SS(8-10)], 23G1941-08[250WATERST-SS-DUP-20230714], B346180-BLK1

Phosphine imide, P,P,P-trip...
23G1941-01[250WATERST-SB111-SS(2-4)], 23G1941-02[250WATERST-SB111-SS(8-10)], 23G1941-03[250WATERST-SB111-SS(22-24)], 23G1941-04[250WATERST-SB108-SS(2-4)], 23G1941-05[250WATERST-SB108-SS(11-13)], 23G1941-07[250WATERST-SB112-SS(8-10)], 23G1941-08[250WATERST-SS-DUP-20230714], B346180-BLK1

L-04

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Hexachlorocyclopentadiene
23G1941-01[250WATERST-SB111-SS(2-4)], 23G1941-02[250WATERST-SB111-SS(8-10)], 23G1941-03[250WATERST-SB111-SS(22-24)], 23G1941-04[250WATERST-SB108-SS(2-4)], 23G1941-05[250WATERST-SB108-SS(11-13)], 23G1941-06[250WATERST-SB112-SS(2-4)], 23G1941-07[250WATERST-SB112-SS(8-10)], 23G1941-08[250WATERST-SS-DUP-20230714], B346180-BLK1, B346180-BS1, B346180-BSD1

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol
S090768-CCV1

Benzo(g,h,i)perylene
S090768-CCV1

Hexachlorocyclopentadiene
23G1941-01[250WATERST-SB111-SS(2-4)], 23G1941-02[250WATERST-SB111-SS(8-10)], 23G1941-03[250WATERST-SB111-SS(22-24)], 23G1941-04[250WATERST-SB108-SS(2-4)], 23G1941-05[250WATERST-SB108-SS(11-13)], 23G1941-06[250WATERST-SB112-SS(2-4)], 23G1941-07[250WATERST-SB112-SS(8-10)], 23G1941-08[250WATERST-SS-DUP-20230714], B346180-BLK1, B346180-BS1, B346180-BSD1, S090694-CCV1, S090768-CCV1

Pentachlorophenol
23G1941-01[250WATERST-SB111-SS(2-4)], 23G1941-02[250WATERST-SB111-SS(8-10)], 23G1941-03[250WATERST-SB111-SS(22-24)], 23G1941-04[250WATERST-SB108-SS(2-4)], 23G1941-05[250WATERST-SB108-SS(11-13)], 23G1941-06[250WATERST-SB112-SS(2-4)], 23G1941-07[250WATERST-SB112-SS(8-10)], 23G1941-08[250WATERST-SS-DUP-20230714], B346180-BLK1, B346180-BS1, B346180-BSD1, S090694-CCV1, S090768-CCV1

V-06

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

Analyte & Samples(s) Qualified:

4-Nitrophenol
23G1941-01[250WATERST-SB111-SS(2-4)], 23G1941-02[250WATERST-SB111-SS(8-10)], 23G1941-03[250WATERST-SB111-SS(22-24)], 23G1941-04[250WATERST-SB108-SS(2-4)], 23G1941-05[250WATERST-SB108-SS(11-13)], 23G1941-06[250WATERST-SB112-SS(2-4)], 23G1941-07[250WATERST-SB112-SS(8-10)], 23G1941-08[250WATERST-SS-DUP-20230714], B346180-BLK1, B346180-BS1, B346180-BSD1, S090694-CCV1, S090768-CCV1

N-Nitrosodi-n-propylamine
23G1941-01[250WATERST-SB111-SS(2-4)], 23G1941-02[250WATERST-SB111-SS(8-10)], 23G1941-03[250WATERST-SB111-SS(22-24)], 23G1941-04[250WATERST-SB108-SS(2-4)], 23G1941-05[250WATERST-SB108-SS(11-13)], 23G1941-06[250WATERST-SB112-SS(2-4)], 23G1941-07[250WATERST-SB112-SS(8-10)], 23G1941-08[250WATERST-SS-DUP-20230714], B346180-BLK1, B346180-BS1, B346180-BSD1, S090694-CCV1, S090768-CCV1

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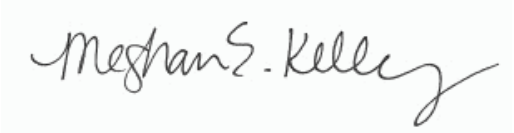
The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Meghan E. Kelley
Reporting Specialist

con-test
A Pace Analytical® Laboratory
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB111-SS(2-4) Sampled: 7/14/2023 08:15

Sample ID: 23G1941-01

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.014	0.12	0.011	mg/Kg dry	1	J	SW-846 8260D	7/17/23	7/17/23 6:26	MFF
Benzene	ND	0.0023	0.00068	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:26	MFF
Bromochloromethane	ND	0.0023	0.00091	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:26	MFF
Bromodichloromethane	ND	0.0023	0.00061	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:26	MFF
Bromoform	ND	0.0023	0.00071	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:26	MFF
Bromomethane	ND	0.012	0.0020	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:26	MFF
2-Butanone (MEK)	ND	0.047	0.0073	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:26	MFF
Carbon Disulfide	ND	0.012	0.0094	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:26	MFF
Carbon Tetrachloride	ND	0.0023	0.00092	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:26	MFF
Chlorobenzene	ND	0.0023	0.00066	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:26	MFF
Chlorodibromomethane	ND	0.0012	0.00074	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:26	MFF
Chloroethane	ND	0.023	0.0013	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:26	MFF
Chloroform	ND	0.0047	0.00073	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:26	MFF
Chloromethane	ND	0.012	0.0012	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:26	MFF
Cyclohexane	ND	0.012	0.0048	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:26	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0023	0.00093	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:26	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	0.00089	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:26	MFF
1,2-Dichlorobenzene	ND	0.0023	0.00062	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:26	MFF
1,3-Dichlorobenzene	ND	0.0023	0.00065	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:26	MFF
1,4-Dichlorobenzene	ND	0.0023	0.00071	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:26	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.023	0.0012	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:26	MFF
1,1-Dichloroethane	ND	0.0023	0.00080	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:26	MFF
1,2-Dichloroethane	ND	0.0023	0.00078	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:26	MFF
1,1-Dichloroethylene	ND	0.0047	0.00096	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:26	MFF
cis-1,2-Dichloroethylene	ND	0.0023	0.00075	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:26	MFF
trans-1,2-Dichloroethylene	0.0030	0.0023	0.00085	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:26	MFF
1,2-Dichloropropane	ND	0.0023	0.00073	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:26	MFF
cis-1,3-Dichloropropene	ND	0.0012	0.00066	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:26	MFF
trans-1,3-Dichloropropene	ND	0.0012	0.00071	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:26	MFF
1,4-Dioxane	ND	0.12	0.053	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:26	MFF
Ethylbenzene	ND	0.0023	0.00070	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:26	MFF
2-Hexanone (MBK)	ND	0.023	0.0059	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:26	MFF
Isopropylbenzene (Cumene)	ND	0.0023	0.00073	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:26	MFF
Methyl Acetate	ND	0.0023	0.0017	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:26	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0047	0.00079	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:26	MFF
Methyl Cyclohexane	ND	0.0023	0.00091	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:26	MFF
Methylene Chloride	ND	0.023	0.0011	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:26	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.023	0.0052	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:26	MFF
Styrene	ND	0.0023	0.00058	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:26	MFF
1,1,2,2-Tetrachloroethane	ND	0.0012	0.00064	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:26	MFF
Tetrachloroethylene	0.0039	0.0023	0.00098	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:26	MFF
Toluene	ND	0.0023	0.00079	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:26	MFF
1,2,3-Trichlorobenzene	ND	0.0047	0.00066	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:26	MFF
1,2,4-Trichlorobenzene	ND	0.0023	0.00071	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:26	MFF

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB111-SS(2-4) Sampled: 7/14/2023 08:15

Sample ID: 23G1941-01

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	0.0023	0.00089	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:26	MFF
1,1,2-Trichloroethane	ND	0.0023	0.00062	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:26	MFF
Trichloroethylene	ND	0.0023	0.00094	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:26	MFF
Trichlorofluoromethane (Freon 11)	ND	0.012	0.00087	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:26	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.012	0.0010	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:26	MFF
Vinyl Chloride	ND	0.012	0.00086	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:26	MFF
Xylenes (total)	ND	0.0023	0.0023	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:26	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	117	70-130		7/17/23	6:26
Toluene-d8	97.9	70-130		7/17/23	6:26
4-Bromofluorobenzene	101	70-130		7/17/23	6:26

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB111-SS(2-4) Sampled: 7/14/2023 08:15

Sample ID: 23G1941-01

Sample Matrix: Soil

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	mg/Kg dry			1			SW-846 8260D	7/17/23	7/17/23 6:26	MFF

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB111-SS(2-4) Sampled: 7/14/2023 08:15

Sample ID: 23G1941-01

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	0.75	0.052	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:23	BGL
Benzaldehyde	ND	0.38	0.036	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:23	BGL
Biphenyl	ND	0.75	0.060	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:23	BGL
Caprolactam	ND	0.38	0.054	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:23	BGL
Acenaphthene	ND	0.19	0.073	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:23	BGL
Acenaphthylene	ND	0.19	0.075	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:23	BGL
Acetophenone	ND	0.38	0.075	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:23	BGL
Anthracene	0.20	0.19	0.073	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:23	BGL
Benzo(a)anthracene	0.16	0.19	0.069	mg/Kg dry	1	J	SW-846 8270E	7/17/23	7/19/23 19:23	BGL
Benzo(a)pyrene	0.095	0.19	0.063	mg/Kg dry	1	J	SW-846 8270E	7/17/23	7/19/23 19:23	BGL
Benzo(b)fluoranthene	0.13	0.19	0.064	mg/Kg dry	1	J	SW-846 8270E	7/17/23	7/19/23 19:23	BGL
Benzo(g,h,i)perylene	ND	0.19	0.080	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:23	BGL
Benzo(k)fluoranthene	ND	0.19	0.069	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:23	BGL
Bis(2-chloroethoxy)methane	ND	0.38	0.075	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:23	BGL
Bis(2-chloroethyl)ether	ND	0.38	0.080	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:23	BGL
Bis(2-chloroisopropyl)ether	ND	0.38	0.16	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:23	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.38	0.078	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:23	BGL
4-Bromophenylphenylether	ND	0.38	0.079	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:23	BGL
Butylbenzylphthalate	ND	0.38	0.072	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:23	BGL
Carbazole	ND	0.19	0.074	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:23	BGL
4-Chloroaniline	ND	0.74	0.068	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:23	BGL
4-Chloro-3-methylphenol	ND	0.74	0.075	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:23	BGL
2-Chloronaphthalene	ND	0.38	0.067	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:23	BGL
2-Chlorophenol	ND	0.38	0.077	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:23	BGL
4-Chlorophenylphenylether	ND	0.38	0.074	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:23	BGL
Chrysene	0.20	0.19	0.069	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:23	BGL
Dibenz(a,h)anthracene	ND	0.19	0.073	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:23	BGL
Dibenzofuran	ND	0.38	0.075	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:23	BGL
Di-n-butylphthalate	ND	0.38	0.069	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:23	BGL
3,3-Dichlorobenzidine	ND	0.19	0.050	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:23	BGL
2,4-Dichlorophenol	ND	0.38	0.073	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:23	BGL
Diethylphthalate	ND	0.38	0.074	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:23	BGL
2,4-Dimethylphenol	ND	0.38	0.099	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:23	BGL
Dimethylphthalate	ND	0.38	0.078	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:23	BGL
4,6-Dinitro-2-methylphenol	ND	0.38	0.31	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:23	BGL
2,4-Dinitrophenol	ND	0.74	0.33	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:23	BGL
2,4-Dinitrotoluene	ND	0.38	0.076	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:23	BGL
2,6-Dinitrotoluene	ND	0.38	0.086	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:23	BGL
Di-n-octylphthalate	ND	0.38	0.075	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:23	BGL
Fluoranthene	0.41	0.19	0.068	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:23	BGL
Fluorene	ND	0.19	0.074	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:23	BGL
Hexachlorobenzene	ND	0.38	0.079	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:23	BGL
Hexachlorobutadiene	ND	0.38	0.077	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:23	BGL
Hexachlorocyclopentadiene	ND	0.38	0.25	mg/Kg dry	1	V-05, L-04	SW-846 8270E	7/17/23	7/19/23 19:23	BGL

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB111-SS(2-4) Sampled: 7/14/2023 08:15

Sample ID: 23G1941-01

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	0.38	0.074	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:23	BGL
Indeno(1,2,3-cd)pyrene	ND	0.19	0.083	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:23	BGL
Isophorone	ND	0.38	0.078	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:23	BGL
2-Methylnaphthalene	ND	0.19	0.075	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:23	BGL
2-Methylphenol	ND	0.38	0.076	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:23	BGL
3/4-Methylphenol	ND	0.38	0.083	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:23	BGL
Naphthalene	ND	0.19	0.076	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:23	BGL
2-Nitroaniline	ND	0.38	0.076	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:23	BGL
3-Nitroaniline	ND	0.38	0.090	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:23	BGL
4-Nitroaniline	ND	0.38	0.064	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:23	BGL
Nitrobenzene	ND	0.38	0.082	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:23	BGL
2-Nitrophenol	ND	0.38	0.079	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:23	BGL
4-Nitrophenol	ND	0.74	0.16	mg/Kg dry	1	V-06	SW-846 8270E	7/17/23	7/19/23 19:23	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	0.38	0.076	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:23	BGL
N-Nitrosodi-n-propylamine	ND	0.38	0.082	mg/Kg dry	1	V-06	SW-846 8270E	7/17/23	7/19/23 19:23	BGL
Pentachlorophenol	ND	0.38	0.17	mg/Kg dry	1	V-05	SW-846 8270E	7/17/23	7/19/23 19:23	BGL
Phenanthrene	0.20	0.19	0.074	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:23	BGL
Phenol	ND	0.38	0.089	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:23	BGL
Pyrene	0.29	0.19	0.076	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:23	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.38	0.078	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:23	BGL
2,4,5-Trichlorophenol	ND	0.38	0.074	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:23	BGL
2,4,6-Trichlorophenol	ND	0.38	0.072	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:23	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	71.2	30-130		7/19/23 19:23
Phenol-d6	78.0	30-130		7/19/23 19:23
Nitrobenzene-d5	85.4	30-130		7/19/23 19:23
2-Fluorobiphenyl	80.8	30-130		7/19/23 19:23
2,4,6-Tribromophenol	49.2	30-130		7/19/23 19:23
p-Terphenyl-d14	95.0	30-130		7/19/23 19:23

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB111-SS(2-4) Sampled: 7/14/2023 08:15

Sample ID: 23G1941-01

Sample Matrix: Soil

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.056	0.023	mg/Kg dry	1		SW-846 8270E	7/21/23	7/25/23 12:53	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,4-Dioxane-d8	43.6	15-110		7/25/23 12:53

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB111-SS(2-4) Sampled: 7/14/2023 08:15

Sample ID: 23G1941-01

Sample Matrix: Soil

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
3-Penten-2-one, 4-methyl-	0.37	mg/Kg dry	93907	2.209	1	000141-79-7	91	SW-846 8270E	7/17/23	7/19/23 19:23	BGL
Heptane, 2,3-dimethyl-	0.32	mg/Kg dry	81988	2.495	1	003074-71-3	81	SW-846 8270E	7/17/23	7/19/23 19:23	BGL
Heptane, 2,5-dimethyl-	0.28	mg/Kg dry	70692	2.389	1	002216-30-0	94	SW-846 8270E	7/17/23	7/19/23 19:23	BGL
Hexane, 2,3,4-trimethyl-	0.25	mg/Kg dry	63251	2.526	1	000921-47-1	83	SW-846 8270E	7/17/23	7/19/23 19:23	BGL
Naphthalene, 1,2,3,4,4a,5,6...	0.46	mg/Kg dry	170441	5.131	1	039029-41-9	93	SW-846 8270E	7/17/23	7/19/23 19:23	BGL
n-Hexadecanoic acid	0.37	mg/Kg dry	154923	6.317	1	000057-10-3	94	SW-846 8270E	7/17/23	7/19/23 19:23	BGL
Phosphine imide, P,P,P-trip...	0.53	mg/Kg dry	225001	8.646	1	002240-47-3	93	SW-846 8270E	7/17/23	7/19/23 19:23	BGL

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB111-SS(2-4) Sampled: 7/14/2023 08:15

Sample ID: 23G1941-01

Sample Matrix: Soil

Sample Flags: DL-03

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [1]	ND	0.43	0.13	mg/Kg dry	20		SW-846 8081B	7/17/23	7/20/23 1:37	TG
Aldrin [1]	ND	0.11	0.011	mg/Kg dry	20		SW-846 8081B	7/17/23	7/20/23 1:37	TG
alpha-BHC [1]	ND	0.11	0.059	mg/Kg dry	20		SW-846 8081B	7/17/23	7/20/23 1:37	TG
beta-BHC [1]	ND	0.11	0.048	mg/Kg dry	20		SW-846 8081B	7/17/23	7/20/23 1:37	TG
delta-BHC [1]	ND	0.11	0.071	mg/Kg dry	20		SW-846 8081B	7/17/23	7/20/23 1:37	TG
gamma-BHC (Lindane) [1]	ND	0.043	0.0092	mg/Kg dry	20		SW-846 8081B	7/17/23	7/20/23 1:37	TG
Chlordane [1]	ND	0.43	0.15	mg/Kg dry	20		SW-846 8081B	7/17/23	7/20/23 1:37	TG
4,4'-DDD [1]	ND	0.087	0.0096	mg/Kg dry	20		SW-846 8081B	7/17/23	7/20/23 1:37	TG
4,4'-DDE [1]	ND	0.087	0.010	mg/Kg dry	20		SW-846 8081B	7/17/23	7/20/23 1:37	TG
4,4'-DDT [1]	ND	0.087	0.0092	mg/Kg dry	20		SW-846 8081B	7/17/23	7/20/23 1:37	TG
Dieldrin [1]	ND	0.087	0.0084	mg/Kg dry	20		SW-846 8081B	7/17/23	7/20/23 1:37	TG
Endosulfan I [1]	ND	0.11	0.053	mg/Kg dry	20		SW-846 8081B	7/17/23	7/20/23 1:37	TG
Endosulfan II [1]	ND	0.17	0.053	mg/Kg dry	20		SW-846 8081B	7/17/23	7/20/23 1:37	TG
Endosulfan sulfate [1]	ND	0.17	0.053	mg/Kg dry	20		SW-846 8081B	7/17/23	7/20/23 1:37	TG
Endrin [1]	ND	0.17	0.054	mg/Kg dry	20		SW-846 8081B	7/17/23	7/20/23 1:37	TG
Endrin aldehyde [1]	ND	0.17	0.11	mg/Kg dry	20		SW-846 8081B	7/17/23	7/21/23 3:49	TG
Endrin ketone [1]	ND	0.17	0.050	mg/Kg dry	20		SW-846 8081B	7/17/23	7/20/23 1:37	TG
Heptachlor [1]	ND	0.11	0.011	mg/Kg dry	20		SW-846 8081B	7/17/23	7/20/23 1:37	TG
Heptachlor epoxide [1]	ND	0.11	0.0097	mg/Kg dry	20		SW-846 8081B	7/17/23	7/20/23 1:37	TG
Hexachlorobenzene [1]	ND	0.13	0.073	mg/Kg dry	20		SW-846 8081B	7/17/23	7/20/23 1:37	TG
Methoxychlor [1]	ND	1.1	0.13	mg/Kg dry	20		SW-846 8081B	7/17/23	7/20/23 1:37	TG
Toxaphene [1]	ND	2.2	1.1	mg/Kg dry	20		SW-846 8081B	7/17/23	7/20/23 1:37	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
Decachlorobiphenyl [1]	83.4	30-150		7/20/23	1:37
Decachlorobiphenyl [2]	79.8	30-150		7/20/23	1:37
Tetrachloro-m-xylene [1]	77.5	30-150		7/20/23	1:37
Tetrachloro-m-xylene [2]	77.8	30-150		7/20/23	1:37

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB111-SS(2-4) Sampled: 7/14/2023 08:15

Sample ID: 23G1941-01

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	0.022	mg/Kg dry	4		SW-846 8082A	7/17/23	7/19/23 10:32	TG
Aroclor-1221 [1]	ND	0.087	0.046	mg/Kg dry	4		SW-846 8082A	7/17/23	7/19/23 10:32	TG
Aroclor-1232 [1]	ND	0.087	0.028	mg/Kg dry	4		SW-846 8082A	7/17/23	7/19/23 10:32	TG
Aroclor-1242 [1]	ND	0.087	0.026	mg/Kg dry	4		SW-846 8082A	7/17/23	7/19/23 10:32	TG
Aroclor-1248 [1]	ND	0.087	0.022	mg/Kg dry	4		SW-846 8082A	7/17/23	7/19/23 10:32	TG
Aroclor-1254 [1]	0.47	0.087	0.026	mg/Kg dry	4		SW-846 8082A	7/17/23	7/19/23 10:32	TG
Aroclor-1260 [1]	ND	0.087	0.023	mg/Kg dry	4		SW-846 8082A	7/17/23	7/19/23 10:32	TG
Aroclor-1262 [1]	ND	0.087	0.026	mg/Kg dry	4		SW-846 8082A	7/17/23	7/19/23 10:32	TG
Aroclor-1268 [1]	ND	0.087	0.029	mg/Kg dry	4		SW-846 8082A	7/17/23	7/19/23 10:32	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	78.2	30-150		7/19/23 10:32
Decachlorobiphenyl [2]	85.5	30-150		7/19/23 10:32
Tetrachloro-m-xylene [1]	86.5	30-150		7/19/23 10:32
Tetrachloro-m-xylene [2]	86.5	30-150		7/19/23 10:32

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB111-SS(2-4) Sampled: 7/14/2023 08:15

Sample ID: 23G1941-01

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	4700	18	13	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 14:35	MJH
Antimony	ND	1.8	0.37	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 14:35	MJH
Arsenic	5.3	3.6	0.61	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 14:35	MJH
Barium	37	1.8	0.28	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 14:35	MJH
Beryllium	ND	0.18	0.054	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 14:35	MJH
Cadmium	0.13	0.36	0.12	mg/Kg dry	1	J	SW-846 6010D	7/17/23	7/18/23 14:35	MJH
Calcium	46000	360	65	mg/Kg dry	20		SW-846 6010D	7/17/23	7/19/23 8:54	HNN
Chromium	11	0.72	0.27	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 14:35	MJH
Cobalt	4.2	1.8	0.26	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 14:35	MJH
Copper	18	0.72	0.16	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 14:35	MJH
Iron	8200	18	12	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 14:35	MJH
Lead	25	0.54	0.30	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 14:35	MJH
Magnesium	4600	18	2.8	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 14:35	MJH
Manganese	200	0.36	0.19	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 14:35	MJH
Mercury	0.59	0.029	0.012	mg/Kg dry	1		SW-846 7471B	7/20/23	7/21/23 11:48	AAJ
Nickel	22	0.72	0.29	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 14:35	MJH
Potassium	760	180	33	mg/Kg dry	1		SW-846 6010D	7/17/23	7/19/23 7:49	HNN
Selenium	ND	3.6	0.77	mg/Kg dry	1		SW-846 6010D	7/17/23	7/19/23 7:49	HNN
Silver	0.84	0.36	0.12	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 14:35	MJH
Sodium	130	180	32	mg/Kg dry	1	J	SW-846 6010D	7/17/23	7/18/23 14:35	MJH
Thallium	0.91	1.8	0.63	mg/Kg dry	1	J	SW-846 6010D	7/17/23	7/19/23 7:49	HNN
Vanadium	7.5	0.72	0.23	mg/Kg dry	1		SW-846 6010D	7/17/23	7/22/23 0:43	ATP
Zinc	26	0.72	0.25	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 14:35	MJH

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB111-SS(2-4) Sampled: 7/14/2023 08:15

Sample ID: 23G1941-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.9			% Wt	1		SM 2540G	7/17/23	7/18/23 8:36	ADB
Cyanide	ND	0.44	0.31	mg/Kg dry	1		SW-846 9014	7/18/23	7/19/23 7:42	MMH

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB111-SS(8-10) Sampled: 7/14/2023 09:00

Sample ID: 23G1941-02

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.15	0.14	0.013	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:51	MFF
Benzene	ND	0.0028	0.00082	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:51	MFF
Bromochloromethane	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:51	MFF
Bromodichloromethane	ND	0.0028	0.00074	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:51	MFF
Bromoform	ND	0.0028	0.00086	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:51	MFF
Bromomethane	ND	0.014	0.0024	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:51	MFF
2-Butanone (MEK)	ND	0.056	0.0088	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:51	MFF
Carbon Disulfide	ND	0.014	0.011	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:51	MFF
Carbon Tetrachloride	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:51	MFF
Chlorobenzene	ND	0.0028	0.00079	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:51	MFF
Chlorodibromomethane	ND	0.0014	0.00089	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:51	MFF
Chloroethane	ND	0.028	0.0016	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:51	MFF
Chloroform	ND	0.0056	0.00088	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:51	MFF
Chloromethane	ND	0.014	0.0014	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:51	MFF
Cyclohexane	ND	0.014	0.0057	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:51	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:51	MFF
1,2-Dibromoethane (EDB)	ND	0.0014	0.0011	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:51	MFF
1,2-Dichlorobenzene	ND	0.0028	0.00075	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:51	MFF
1,3-Dichlorobenzene	ND	0.0028	0.00078	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:51	MFF
1,4-Dichlorobenzene	ND	0.0028	0.00085	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:51	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.028	0.0015	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:51	MFF
1,1-Dichloroethane	ND	0.0028	0.00097	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:51	MFF
1,2-Dichloroethane	ND	0.0028	0.00094	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:51	MFF
1,1-Dichloroethylene	ND	0.0056	0.0012	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:51	MFF
cis-1,2-Dichloroethylene	ND	0.0028	0.00090	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:51	MFF
trans-1,2-Dichloroethylene	0.0020	0.0028	0.0010	mg/Kg dry	1	J	SW-846 8260D	7/17/23	7/17/23 6:51	MFF
1,2-Dichloropropane	ND	0.0028	0.00088	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:51	MFF
cis-1,3-Dichloropropene	ND	0.0014	0.00079	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:51	MFF
trans-1,3-Dichloropropene	ND	0.0014	0.00086	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:51	MFF
1,4-Dioxane	ND	0.14	0.064	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:51	MFF
Ethylbenzene	ND	0.0028	0.00084	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:51	MFF
2-Hexanone (MBK)	ND	0.028	0.0071	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:51	MFF
Isopropylbenzene (Cumene)	ND	0.0028	0.00088	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:51	MFF
Methyl Acetate	ND	0.0028	0.0020	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:51	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0056	0.00095	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:51	MFF
Methyl Cyclohexane	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:51	MFF
Methylene Chloride	0.0027	0.028	0.0014	mg/Kg dry	1	J	SW-846 8260D	7/17/23	7/17/23 6:51	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.028	0.0062	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:51	MFF
Styrene	ND	0.0028	0.00070	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:51	MFF
1,1,2,2-Tetrachloroethane	ND	0.0014	0.00078	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:51	MFF
Tetrachloroethylene	0.0040	0.0028	0.0012	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:51	MFF
Toluene	ND	0.0028	0.00096	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:51	MFF
1,2,3-Trichlorobenzene	ND	0.0056	0.00080	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:51	MFF
1,2,4-Trichlorobenzene	ND	0.0028	0.00086	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:51	MFF

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB111-SS(8-10) Sampled: 7/14/2023 09:00

Sample ID: 23G1941-02

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:51	MFF
1,1,2-Trichloroethane	ND	0.0028	0.00075	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:51	MFF
Trichloroethylene	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:51	MFF
Trichlorofluoromethane (Freon 11)	ND	0.014	0.0011	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:51	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.014	0.0012	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:51	MFF
Vinyl Chloride	ND	0.014	0.0010	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:51	MFF
Xylenes (total)	ND	0.0028	0.0028	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 6:51	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	117	70-130		7/17/23	6:51
Toluene-d8	96.3	70-130		7/17/23	6:51
4-Bromofluorobenzene	97.2	70-130		7/17/23	6:51

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB111-SS(8-10) Sampled: 7/14/2023 09:00

Sample ID: 23G1941-02

Sample Matrix: Soil

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	mg/Kg dry			1			SW-846 8260D	7/17/23	7/17/23 6:51	MFF

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB111-SS(8-10) Sampled: 7/14/2023 09:00

Sample ID: 23G1941-02

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	0.89	0.062	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:47	BGL
Benzaldehyde	0.16	0.45	0.043	mg/Kg dry	1	J	SW-846 8270E	7/17/23	7/19/23 19:47	BGL
Biphenyl	ND	0.89	0.071	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:47	BGL
Caprolactam	ND	0.45	0.064	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:47	BGL
Acenaphthene	ND	0.23	0.087	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:47	BGL
Acenaphthylene	ND	0.23	0.089	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:47	BGL
Acetophenone	ND	0.45	0.089	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:47	BGL
Anthracene	ND	0.23	0.087	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:47	BGL
Benzo(a)anthracene	ND	0.23	0.082	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:47	BGL
Benzo(a)pyrene	ND	0.23	0.075	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:47	BGL
Benzo(b)fluoranthene	0.078	0.23	0.076	mg/Kg dry	1	J	SW-846 8270E	7/17/23	7/19/23 19:47	BGL
Benzo(g,h,i)perylene	ND	0.23	0.095	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:47	BGL
Benzo(k)fluoranthene	ND	0.23	0.082	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:47	BGL
Bis(2-chloroethoxy)methane	ND	0.45	0.089	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:47	BGL
Bis(2-chloroethyl)ether	ND	0.45	0.095	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:47	BGL
Bis(2-chloroisopropyl)ether	ND	0.45	0.19	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:47	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.45	0.092	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:47	BGL
4-Bromophenylphenylether	ND	0.45	0.093	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:47	BGL
Butylbenzylphthalate	ND	0.45	0.085	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:47	BGL
Carbazole	ND	0.23	0.088	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:47	BGL
4-Chloroaniline	ND	0.88	0.080	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:47	BGL
4-Chloro-3-methylphenol	ND	0.88	0.089	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:47	BGL
2-Chloronaphthalene	ND	0.45	0.080	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:47	BGL
2-Chlorophenol	ND	0.45	0.091	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:47	BGL
4-Chlorophenylphenylether	ND	0.45	0.087	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:47	BGL
Chrysene	ND	0.23	0.082	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:47	BGL
Dibenz(a,h)anthracene	ND	0.23	0.087	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:47	BGL
Dibenzofuran	ND	0.45	0.089	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:47	BGL
Di-n-butylphthalate	ND	0.45	0.082	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:47	BGL
3,3-Dichlorobenzidine	ND	0.23	0.060	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:47	BGL
2,4-Dichlorophenol	ND	0.45	0.087	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:47	BGL
Diethylphthalate	ND	0.45	0.088	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:47	BGL
2,4-Dimethylphenol	ND	0.45	0.12	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:47	BGL
Dimethylphthalate	ND	0.45	0.093	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:47	BGL
4,6-Dinitro-2-methylphenol	ND	0.45	0.37	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:47	BGL
2,4-Dinitrophenol	ND	0.88	0.40	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:47	BGL
2,4-Dinitrotoluene	ND	0.45	0.090	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:47	BGL
2,6-Dinitrotoluene	ND	0.45	0.10	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:47	BGL
Di-n-octylphthalate	ND	0.45	0.090	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:47	BGL
Fluoranthene	0.14	0.23	0.081	mg/Kg dry	1	J	SW-846 8270E	7/17/23	7/19/23 19:47	BGL
Fluorene	ND	0.23	0.088	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:47	BGL
Hexachlorobenzene	ND	0.45	0.094	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:47	BGL
Hexachlorobutadiene	ND	0.45	0.091	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:47	BGL
Hexachlorocyclopentadiene	ND	0.45	0.29	mg/Kg dry	1	L-04, V-05	SW-846 8270E	7/17/23	7/19/23 19:47	BGL

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB111-SS(8-10) Sampled: 7/14/2023 09:00

Sample ID: 23G1941-02

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	0.45	0.088	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:47	BGL
Indeno(1,2,3-cd)pyrene	ND	0.23	0.099	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:47	BGL
Isophorone	ND	0.45	0.092	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:47	BGL
2-Methylnaphthalene	ND	0.23	0.089	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:47	BGL
2-Methylphenol	ND	0.45	0.090	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:47	BGL
3/4-Methylphenol	0.53	0.45	0.099	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:47	BGL
Naphthalene	ND	0.23	0.090	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:47	BGL
2-Nitroaniline	ND	0.45	0.090	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:47	BGL
3-Nitroaniline	ND	0.45	0.11	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:47	BGL
4-Nitroaniline	ND	0.45	0.076	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:47	BGL
Nitrobenzene	ND	0.45	0.098	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:47	BGL
2-Nitrophenol	ND	0.45	0.094	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:47	BGL
4-Nitrophenol	ND	0.88	0.19	mg/Kg dry	1	V-06	SW-846 8270E	7/17/23	7/19/23 19:47	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	0.45	0.091	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:47	BGL
N-Nitrosodi-n-propylamine	ND	0.45	0.098	mg/Kg dry	1	V-06	SW-846 8270E	7/17/23	7/19/23 19:47	BGL
Pentachlorophenol	ND	0.45	0.20	mg/Kg dry	1	V-05	SW-846 8270E	7/17/23	7/19/23 19:47	BGL
Phenanthrene	0.12	0.23	0.088	mg/Kg dry	1	J	SW-846 8270E	7/17/23	7/19/23 19:47	BGL
Phenol	ND	0.45	0.11	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:47	BGL
Pyrene	0.13	0.23	0.090	mg/Kg dry	1	J	SW-846 8270E	7/17/23	7/19/23 19:47	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.45	0.093	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:47	BGL
2,4,5-Trichlorophenol	ND	0.45	0.088	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:47	BGL
2,4,6-Trichlorophenol	ND	0.45	0.086	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 19:47	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	54.1	30-130		7/19/23 19:47
Phenol-d6	60.6	30-130		7/19/23 19:47
Nitrobenzene-d5	67.4	30-130		7/19/23 19:47
2-Fluorobiphenyl	63.0	30-130		7/19/23 19:47
2,4,6-Tribromophenol	43.4	30-130		7/19/23 19:47
p-Terphenyl-d14	66.4	30-130		7/19/23 19:47

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB111-SS(8-10) Sampled: 7/14/2023 09:00

Sample ID: 23G1941-02

Sample Matrix: Soil

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.067	0.028	mg/Kg dry	1		SW-846 8270E	7/21/23	7/25/23 13:13	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,4-Dioxane-d8	48.9	15-110		7/25/23 13:13

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB111-SS(8-10) Sampled: 7/14/2023 09:00

Sample ID: 23G1941-02

Sample Matrix: Soil

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
10,18-Bisnorabieta-8,11,13-...	1.2	mg/Kg dry	450026	6.699	1	032624-67-2	87	SW-846 8270E	7/17/23	7/19/23 19:47	BGL
1-Phenanthrenecarboxylic ac...	1.0	mg/Kg dry	338942	8.205	1	005155-70-4	96	SW-846 8270E	7/17/23	7/19/23 19:47	BGL
4-((1E)-3-Hydroxy-1-propeny...	0.83	mg/Kg dry	316800	5.777	1	1000297-95-5	94	SW-846 8270E	7/17/23	7/19/23 19:47	BGL
4b,8-Dimethyl-2-isopropylph...	0.90	mg/Kg dry	342378	6.637	1	1000197-14-1	91	SW-846 8270E	7/17/23	7/19/23 19:47	BGL
8-Isopropyl-1,3-dimethylphe...	4.9	mg/Kg dry	1579890	7.705	1	135886-06-5	93	SW-846 8270E	7/17/23	7/19/23 19:47	BGL
Phenanthrene, 1-methyl-7-(1...	5.8	mg/Kg dry	1876730	7.338	1	000483-65-8	98	SW-846 8270E	7/17/23	7/19/23 19:47	BGL
Phenanthrene, 3,4,5,6-tetra...	0.87	mg/Kg dry	282337	7.509	1	007343-06-8	94	SW-846 8270E	7/17/23	7/19/23 19:47	BGL
Phenanthrene, 3,6-dimethyl-	1.1	mg/Kg dry	430327	6.78	1	001576-67-6	95	SW-846 8270E	7/17/23	7/19/23 19:47	BGL
Phosphine imide, P,P,P-trip...	0.91	mg/Kg dry	295270	8.658	1	002240-47-3	76	SW-846 8270E	7/17/23	7/19/23 19:47	BGL

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB111-SS(8-10) Sampled: 7/14/2023 09:00

Sample ID: 23G1941-02

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [1]	ND	0.027	0.0080	mg/Kg dry	1		SW-846 8081B	7/17/23	7/20/23 2:06	TG
Aldrin [1]	ND	0.0067	0.00066	mg/Kg dry	1		SW-846 8081B	7/17/23	7/20/23 2:06	TG
alpha-BHC [1]	ND	0.0067	0.0036	mg/Kg dry	1		SW-846 8081B	7/17/23	7/20/23 2:06	TG
beta-BHC [1]	ND	0.0067	0.0030	mg/Kg dry	1		SW-846 8081B	7/17/23	7/20/23 2:06	TG
delta-BHC [1]	ND	0.0067	0.0044	mg/Kg dry	1		SW-846 8081B	7/17/23	7/20/23 2:06	TG
gamma-BHC (Lindane) [1]	ND	0.0027	0.00057	mg/Kg dry	1		SW-846 8081B	7/17/23	7/20/23 2:06	TG
Chlordane [1]	ND	0.027	0.0094	mg/Kg dry	1		SW-846 8081B	7/17/23	7/20/23 2:06	TG
4,4'-DDD [1]	ND	0.0054	0.00060	mg/Kg dry	1		SW-846 8081B	7/17/23	7/20/23 2:06	TG
4,4'-DDE [1]	ND	0.0054	0.00062	mg/Kg dry	1		SW-846 8081B	7/17/23	7/20/23 2:06	TG
4,4'-DDT [1]	ND	0.0054	0.00057	mg/Kg dry	1		SW-846 8081B	7/17/23	7/20/23 2:06	TG
Dieldrin [1]	ND	0.0054	0.00052	mg/Kg dry	1		SW-846 8081B	7/17/23	7/20/23 2:06	TG
Endosulfan I [1]	ND	0.0067	0.0033	mg/Kg dry	1		SW-846 8081B	7/17/23	7/20/23 2:06	TG
Endosulfan II [1]	ND	0.011	0.0033	mg/Kg dry	1		SW-846 8081B	7/17/23	7/20/23 2:06	TG
Endosulfan sulfate [1]	ND	0.011	0.0033	mg/Kg dry	1		SW-846 8081B	7/17/23	7/20/23 2:06	TG
Endrin [1]	ND	0.011	0.0033	mg/Kg dry	1		SW-846 8081B	7/17/23	7/20/23 2:06	TG
Endrin aldehyde [1]	ND	0.011	0.0066	mg/Kg dry	1		SW-846 8081B	7/17/23	7/21/23 4:17	TG
Endrin ketone [1]	ND	0.011	0.0031	mg/Kg dry	1		SW-846 8081B	7/17/23	7/20/23 2:06	TG
Heptachlor [1]	ND	0.0067	0.00065	mg/Kg dry	1		SW-846 8081B	7/17/23	7/20/23 2:06	TG
Heptachlor epoxide [1]	ND	0.0067	0.00060	mg/Kg dry	1		SW-846 8081B	7/17/23	7/20/23 2:06	TG
Hexachlorobenzene [1]	ND	0.0080	0.0045	mg/Kg dry	1		SW-846 8081B	7/17/23	7/20/23 2:06	TG
Methoxychlor [1]	ND	0.067	0.0083	mg/Kg dry	1		SW-846 8081B	7/17/23	7/20/23 2:06	TG
Toxaphene [1]	ND	0.13	0.065	mg/Kg dry	1		SW-846 8081B	7/17/23	7/20/23 2:06	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	77.4	30-150		7/20/23 2:06
Decachlorobiphenyl [2]	79.8	30-150		7/20/23 2:06
Tetrachloro-m-xylene [1]	72.0	30-150		7/20/23 2:06
Tetrachloro-m-xylene [2]	74.8	30-150		7/20/23 2:06

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB111-SS(8-10) Sampled: 7/14/2023 09:00

Sample ID: 23G1941-02

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	0.028	mg/Kg dry	4		SW-846 8082A	7/17/23	7/19/23 10:49	TG
Aroclor-1221 [1]	ND	0.11	0.057	mg/Kg dry	4		SW-846 8082A	7/17/23	7/19/23 10:49	TG
Aroclor-1232 [1]	ND	0.11	0.035	mg/Kg dry	4		SW-846 8082A	7/17/23	7/19/23 10:49	TG
Aroclor-1242 [1]	ND	0.11	0.032	mg/Kg dry	4		SW-846 8082A	7/17/23	7/19/23 10:49	TG
Aroclor-1248 [1]	ND	0.11	0.027	mg/Kg dry	4		SW-846 8082A	7/17/23	7/19/23 10:49	TG
Aroclor-1254 [1]	ND	0.11	0.032	mg/Kg dry	4		SW-846 8082A	7/17/23	7/19/23 10:49	TG
Aroclor-1260 [1]	ND	0.11	0.029	mg/Kg dry	4		SW-846 8082A	7/17/23	7/19/23 10:49	TG
Aroclor-1262 [1]	ND	0.11	0.032	mg/Kg dry	4		SW-846 8082A	7/17/23	7/19/23 10:49	TG
Aroclor-1268 [1]	ND	0.11	0.035	mg/Kg dry	4		SW-846 8082A	7/17/23	7/19/23 10:49	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	76.6	30-150		7/19/23 10:49
Decachlorobiphenyl [2]	89.7	30-150		7/19/23 10:49
Tetrachloro-m-xylene [1]	78.1	30-150		7/19/23 10:49
Tetrachloro-m-xylene [2]	83.6	30-150		7/19/23 10:49

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB111-SS(8-10) Sampled: 7/14/2023 09:00

Sample ID: 23G1941-02

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	2800	21	15	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 14:40	MJH
Antimony	ND	2.1	0.44	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 14:40	MJH
Arsenic	5.3	4.2	0.71	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 14:40	MJH
Barium	400	2.1	0.32	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 14:40	MJH
Beryllium	0.099	0.21	0.063	mg/Kg dry	1	J	SW-846 6010D	7/17/23	7/18/23 14:40	MJH
Cadmium	ND	0.42	0.14	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 14:40	MJH
Calcium	52000	420	76	mg/Kg dry	20		SW-846 6010D	7/17/23	7/19/23 9:00	HNN
Chromium	6.1	0.85	0.31	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 14:40	MJH
Cobalt	2.1	2.1	0.31	mg/Kg dry	1	J	SW-846 6010D	7/17/23	7/18/23 14:40	MJH
Copper	33	0.85	0.19	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 14:40	MJH
Iron	5700	21	14	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 14:40	MJH
Lead	210	0.64	0.35	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 14:40	MJH
Magnesium	1400	21	3.3	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 14:40	MJH
Manganese	650	0.42	0.23	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 14:40	MJH
Mercury	0.70	0.035	0.015	mg/Kg dry	1		SW-846 7471B	7/20/23	7/21/23 11:50	AAJ
Nickel	11	0.85	0.34	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 14:40	MJH
Potassium	580	210	39	mg/Kg dry	1		SW-846 6010D	7/17/23	7/19/23 7:53	HNN
Selenium	ND	4.2	0.91	mg/Kg dry	1		SW-846 6010D	7/17/23	7/19/23 7:53	HNN
Silver	0.90	0.42	0.14	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 14:40	MJH
Sodium	380	210	38	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 14:40	MJH
Thallium	1.2	2.1	0.74	mg/Kg dry	1	J	SW-846 6010D	7/17/23	7/19/23 7:53	HNN
Vanadium	9.0	0.85	0.27	mg/Kg dry	1		SW-846 6010D	7/17/23	7/22/23 0:50	ATP
Zinc	110	0.85	0.29	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 14:40	MJH

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB111-SS(8-10) Sampled: 7/14/2023 09:00

Sample ID: 23G1941-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	74.8			% Wt	1		SM 2540G	7/17/23	7/18/23 8:36	ADB
Cyanide	ND	0.65	0.46	mg/Kg dry	1		SW-846 9014	7/18/23	7/19/23 7:42	MMH

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB111-SS(22-24) Sampled: 7/14/2023 09:15

Sample ID: 23G1941-03

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.14	0.013	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:16	MFF
Benzene	ND	0.0028	0.00083	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:16	MFF
Bromochloromethane	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:16	MFF
Bromodichloromethane	ND	0.0028	0.00074	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:16	MFF
Bromoform	ND	0.0028	0.00087	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:16	MFF
Bromomethane	ND	0.014	0.0025	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:16	MFF
2-Butanone (MEK)	ND	0.057	0.0089	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:16	MFF
Carbon Disulfide	ND	0.014	0.011	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:16	MFF
Carbon Tetrachloride	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:16	MFF
Chlorobenzene	ND	0.0028	0.00080	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:16	MFF
Chlorodibromomethane	ND	0.0014	0.00090	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:16	MFF
Chloroethane	ND	0.028	0.0016	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:16	MFF
Chloroform	ND	0.0057	0.00089	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:16	MFF
Chloromethane	ND	0.014	0.0014	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:16	MFF
Cyclohexane	ND	0.014	0.0058	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:16	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:16	MFF
1,2-Dibromoethane (EDB)	ND	0.0014	0.0011	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:16	MFF
1,2-Dichlorobenzene	ND	0.0028	0.00075	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:16	MFF
1,3-Dichlorobenzene	ND	0.0028	0.00079	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:16	MFF
1,4-Dichlorobenzene	ND	0.0028	0.00086	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:16	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.028	0.0015	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:16	MFF
1,1-Dichloroethane	ND	0.0028	0.00098	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:16	MFF
1,2-Dichloroethane	ND	0.0028	0.00095	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:16	MFF
1,1-Dichloroethylene	ND	0.0057	0.0012	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:16	MFF
cis-1,2-Dichloroethylene	ND	0.0028	0.00091	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:16	MFF
trans-1,2-Dichloroethylene	ND	0.0028	0.0010	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:16	MFF
1,2-Dichloropropane	ND	0.0028	0.00088	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:16	MFF
cis-1,3-Dichloropropene	ND	0.0014	0.00080	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:16	MFF
trans-1,3-Dichloropropene	ND	0.0014	0.00087	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:16	MFF
1,4-Dioxane	ND	0.14	0.065	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:16	MFF
Ethylbenzene	ND	0.0028	0.00085	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:16	MFF
2-Hexanone (MBK)	ND	0.028	0.0072	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:16	MFF
Isopropylbenzene (Cumene)	ND	0.0028	0.00089	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:16	MFF
Methyl Acetate	ND	0.0028	0.0020	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:16	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0057	0.00096	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:16	MFF
Methyl Cyclohexane	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:16	MFF
Methylene Chloride	ND	0.028	0.0014	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:16	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.028	0.0063	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:16	MFF
Styrene	ND	0.0028	0.00070	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:16	MFF
1,1,2,2-Tetrachloroethane	ND	0.0014	0.00078	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:16	MFF
Tetrachloroethylene	ND	0.0028	0.0012	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:16	MFF
Toluene	ND	0.0028	0.00096	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:16	MFF
1,2,3-Trichlorobenzene	ND	0.0057	0.00081	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:16	MFF
1,2,4-Trichlorobenzene	ND	0.0028	0.00086	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:16	MFF

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB111-SS(22-24) Sampled: 7/14/2023 09:15

Sample ID: 23G1941-03

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:16	MFF
1,1,2-Trichloroethane	ND	0.0028	0.00076	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:16	MFF
Trichloroethylene	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:16	MFF
Trichlorofluoromethane (Freon 11)	ND	0.014	0.0011	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:16	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.014	0.0012	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:16	MFF
Vinyl Chloride	ND	0.014	0.0011	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:16	MFF
Xylenes (total)	ND	0.0028	0.0028	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:16	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	118	70-130		7/17/23	7:16
Toluene-d8	102	70-130		7/17/23	7:16
4-Bromofluorobenzene	103	70-130		7/17/23	7:16

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB111-SS(22-24) Sampled: 7/14/2023 09:15

Sample ID: 23G1941-03

Sample Matrix: Soil

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	mg/Kg dry			1			SW-846 8260D	7/17/23	7/17/23 7:16	MFF

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB111-SS(22-24) Sampled: 7/14/2023 09:15

Sample ID: 23G1941-03

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	0.80	0.056	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 15:47	BGL
Benzaldehyde	ND	0.41	0.039	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 15:47	BGL
Biphenyl	ND	0.80	0.064	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 15:47	BGL
Caprolactam	ND	0.41	0.058	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 15:47	BGL
Acenaphthene	ND	0.20	0.078	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 15:47	BGL
Acenaphthylene	ND	0.20	0.080	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 15:47	BGL
Acetophenone	ND	0.41	0.080	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 15:47	BGL
Anthracene	ND	0.20	0.079	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 15:47	BGL
Benzo(a)anthracene	ND	0.20	0.074	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 15:47	BGL
Benzo(a)pyrene	ND	0.20	0.067	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 15:47	BGL
Benzo(b)fluoranthene	ND	0.20	0.069	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 15:47	BGL
Benzo(g,h,i)perylene	ND	0.20	0.085	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 15:47	BGL
Benzo(k)fluoranthene	ND	0.20	0.073	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 15:47	BGL
Bis(2-chloroethoxy)methane	ND	0.41	0.080	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 15:47	BGL
Bis(2-chloroethyl)ether	ND	0.41	0.086	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 15:47	BGL
Bis(2-chloroisopropyl)ether	ND	0.41	0.17	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 15:47	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.41	0.083	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 15:47	BGL
4-Bromophenylphenylether	ND	0.41	0.084	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 15:47	BGL
Butylbenzylphthalate	ND	0.41	0.077	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 15:47	BGL
Carbazole	ND	0.20	0.079	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 15:47	BGL
4-Chloroaniline	ND	0.79	0.072	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 15:47	BGL
4-Chloro-3-methylphenol	ND	0.79	0.081	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 15:47	BGL
2-Chloronaphthalene	ND	0.41	0.072	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 15:47	BGL
2-Chlorophenol	ND	0.41	0.082	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 15:47	BGL
4-Chlorophenylphenylether	ND	0.41	0.079	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 15:47	BGL
Chrysene	ND	0.20	0.074	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 15:47	BGL
Dibenz(a,h)anthracene	ND	0.20	0.079	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 15:47	BGL
Dibenzofuran	ND	0.41	0.080	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 15:47	BGL
Di-n-butylphthalate	ND	0.41	0.074	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 15:47	BGL
3,3-Dichlorobenzidine	ND	0.20	0.054	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 15:47	BGL
2,4-Dichlorophenol	ND	0.41	0.079	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 15:47	BGL
Diethylphthalate	ND	0.41	0.079	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 15:47	BGL
2,4-Dimethylphenol	ND	0.41	0.11	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 15:47	BGL
Dimethylphthalate	ND	0.41	0.084	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 15:47	BGL
4,6-Dinitro-2-methylphenol	ND	0.41	0.33	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 15:47	BGL
2,4-Dinitrophenol	ND	0.79	0.36	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 15:47	BGL
2,4-Dinitrotoluene	ND	0.41	0.081	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 15:47	BGL
2,6-Dinitrotoluene	ND	0.41	0.092	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 15:47	BGL
Di-n-octylphthalate	ND	0.41	0.081	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 15:47	BGL
Fluoranthene	ND	0.20	0.073	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 15:47	BGL
Fluorene	ND	0.20	0.079	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 15:47	BGL
Hexachlorobenzene	ND	0.41	0.085	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 15:47	BGL
Hexachlorobutadiene	ND	0.41	0.082	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 15:47	BGL
Hexachlorocyclopentadiene	ND	0.41	0.26	mg/Kg dry	1	L-04, V-05	SW-846 8270E	7/17/23	7/19/23 15:47	BGL

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB111-SS(22-24) Sampled: 7/14/2023 09:15

Sample ID: 23G1941-03

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	0.41	0.080	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 15:47	BGL
Indeno(1,2,3-cd)pyrene	ND	0.20	0.089	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 15:47	BGL
Isophorone	ND	0.41	0.083	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 15:47	BGL
2-Methylnaphthalene	ND	0.20	0.080	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 15:47	BGL
2-Methylphenol	ND	0.41	0.081	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 15:47	BGL
3/4-Methylphenol	ND	0.41	0.089	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 15:47	BGL
Naphthalene	ND	0.20	0.082	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 15:47	BGL
2-Nitroaniline	ND	0.41	0.081	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 15:47	BGL
3-Nitroaniline	ND	0.41	0.096	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 15:47	BGL
4-Nitroaniline	ND	0.41	0.069	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 15:47	BGL
Nitrobenzene	ND	0.41	0.088	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 15:47	BGL
2-Nitrophenol	ND	0.41	0.084	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 15:47	BGL
4-Nitrophenol	ND	0.79	0.17	mg/Kg dry	1	V-06	SW-846 8270E	7/17/23	7/19/23 15:47	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	0.41	0.082	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 15:47	BGL
N-Nitrosodi-n-propylamine	ND	0.41	0.088	mg/Kg dry	1	V-06	SW-846 8270E	7/17/23	7/19/23 15:47	BGL
Pentachlorophenol	ND	0.41	0.18	mg/Kg dry	1	V-05	SW-846 8270E	7/17/23	7/19/23 15:47	BGL
Phenanthrene	ND	0.20	0.080	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 15:47	BGL
Phenol	ND	0.41	0.095	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 15:47	BGL
Pyrene	ND	0.20	0.081	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 15:47	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.41	0.083	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 15:47	BGL
2,4,5-Trichlorophenol	ND	0.41	0.079	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 15:47	BGL
2,4,6-Trichlorophenol	ND	0.41	0.078	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 15:47	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	57.4	30-130		7/19/23 15:47
Phenol-d6	67.2	30-130		7/19/23 15:47
Nitrobenzene-d5	66.1	30-130		7/19/23 15:47
2-Fluorobiphenyl	65.8	30-130		7/19/23 15:47
2,4,6-Tribromophenol	51.0	30-130		7/19/23 15:47
p-Terphenyl-d14	66.6	30-130		7/19/23 15:47

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB111-SS(22-24) Sampled: 7/14/2023 09:15

Sample ID: 23G1941-03

Sample Matrix: Soil

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.059	0.025	mg/Kg dry	1		SW-846 8270E	7/21/23	7/25/23 13:33	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual					
1,4-Dioxane-d8	49.0	15-110					7/25/23 13:33	

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB111-SS(22-24) Sampled: 7/14/2023 09:15

Sample ID: 23G1941-03

Sample Matrix: Soil

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
1,2-Benzenedicarboxylic aci...	0.89	mg/Kg dry	308034	5.752	1	004376-20-9	91	SW-846 8270E	7/17/23	7/19/23 15:47	BGL
n-Hexadecanoic acid	0.28	mg/Kg dry	95011	6.317	1	000057-10-3	98	SW-846 8270E	7/17/23	7/19/23 15:47	BGL
Phosphine imide, P,P,P-trip...	0.95	mg/Kg dry	282589	8.649	1	002240-47-3	90	SW-846 8270E	7/17/23	7/19/23 15:47	BGL
Squalene	1.3	mg/Kg dry	381155	10.195	1	007683-64-9	87	SW-846 8270E	7/17/23	7/19/23 15:47	BGL

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB111-SS(22-24) Sampled: 7/14/2023 09:15

Sample ID: 23G1941-03

Sample Matrix: Soil

Sample Flags: DL-03

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [1]	ND	0.12	0.035	mg/Kg dry	5		SW-846 8081B	7/17/23	7/20/23 2:34	TG
Aldrin [1]	ND	0.030	0.0029	mg/Kg dry	5		SW-846 8081B	7/17/23	7/20/23 2:34	TG
alpha-BHC [1]	ND	0.030	0.016	mg/Kg dry	5		SW-846 8081B	7/17/23	7/20/23 2:34	TG
beta-BHC [1]	ND	0.030	0.013	mg/Kg dry	5		SW-846 8081B	7/17/23	7/20/23 2:34	TG
delta-BHC [1]	ND	0.030	0.020	mg/Kg dry	5		SW-846 8081B	7/17/23	7/20/23 2:34	TG
gamma-BHC (Lindane) [1]	ND	0.012	0.0025	mg/Kg dry	5		SW-846 8081B	7/17/23	7/20/23 2:34	TG
Chlordane [1]	ND	0.12	0.042	mg/Kg dry	5		SW-846 8081B	7/17/23	7/20/23 2:34	TG
4,4'-DDD [1]	ND	0.024	0.0026	mg/Kg dry	5		SW-846 8081B	7/17/23	7/20/23 2:34	TG
4,4'-DDE [1]	ND	0.024	0.0028	mg/Kg dry	5		SW-846 8081B	7/17/23	7/20/23 2:34	TG
4,4'-DDT [1]	ND	0.024	0.0025	mg/Kg dry	5		SW-846 8081B	7/17/23	7/20/23 2:34	TG
Dieldrin [1]	ND	0.024	0.0023	mg/Kg dry	5		SW-846 8081B	7/17/23	7/20/23 2:34	TG
Endosulfan I [1]	ND	0.030	0.014	mg/Kg dry	5		SW-846 8081B	7/17/23	7/20/23 2:34	TG
Endosulfan II [1]	ND	0.047	0.014	mg/Kg dry	5		SW-846 8081B	7/17/23	7/20/23 2:34	TG
Endosulfan sulfate [1]	ND	0.047	0.015	mg/Kg dry	5		SW-846 8081B	7/17/23	7/20/23 2:34	TG
Endrin [1]	ND	0.047	0.015	mg/Kg dry	5		SW-846 8081B	7/17/23	7/20/23 2:34	TG
Endrin aldehyde [1]	ND	0.047	0.029	mg/Kg dry	5		SW-846 8081B	7/17/23	7/21/23 4:46	TG
Endrin ketone [1]	ND	0.047	0.014	mg/Kg dry	5		SW-846 8081B	7/17/23	7/20/23 2:34	TG
Heptachlor [1]	ND	0.030	0.0029	mg/Kg dry	5		SW-846 8081B	7/17/23	7/20/23 2:34	TG
Heptachlor epoxide [1]	ND	0.030	0.0027	mg/Kg dry	5		SW-846 8081B	7/17/23	7/20/23 2:34	TG
Hexachlorobenzene [1]	ND	0.035	0.020	mg/Kg dry	5		SW-846 8081B	7/17/23	7/20/23 2:34	TG
Methoxychlor [1]	ND	0.30	0.037	mg/Kg dry	5		SW-846 8081B	7/17/23	7/20/23 2:34	TG
Toxaphene [1]	ND	0.59	0.29	mg/Kg dry	5		SW-846 8081B	7/17/23	7/20/23 2:34	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	53.0	30-150		7/20/23 2:34
Decachlorobiphenyl [2]	49.1	30-150		7/20/23 2:34
Tetrachloro-m-xylene [1]	62.9	30-150		7/20/23 2:34
Tetrachloro-m-xylene [2]	60.6	30-150		7/20/23 2:34

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB111-SS(22-24) Sampled: 7/14/2023 09:15

Sample ID: 23G1941-03

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	0.024	mg/Kg dry	4		SW-846 8082A	7/17/23	7/19/23 11:06	TG
Aroclor-1221 [1]	ND	0.095	0.051	mg/Kg dry	4		SW-846 8082A	7/17/23	7/19/23 11:06	TG
Aroclor-1232 [1]	ND	0.095	0.031	mg/Kg dry	4		SW-846 8082A	7/17/23	7/19/23 11:06	TG
Aroclor-1242 [1]	ND	0.095	0.028	mg/Kg dry	4		SW-846 8082A	7/17/23	7/19/23 11:06	TG
Aroclor-1248 [1]	ND	0.095	0.024	mg/Kg dry	4		SW-846 8082A	7/17/23	7/19/23 11:06	TG
Aroclor-1254 [1]	ND	0.095	0.029	mg/Kg dry	4		SW-846 8082A	7/17/23	7/19/23 11:06	TG
Aroclor-1260 [1]	ND	0.095	0.025	mg/Kg dry	4		SW-846 8082A	7/17/23	7/19/23 11:06	TG
Aroclor-1262 [1]	ND	0.095	0.028	mg/Kg dry	4		SW-846 8082A	7/17/23	7/19/23 11:06	TG
Aroclor-1268 [1]	ND	0.095	0.031	mg/Kg dry	4		SW-846 8082A	7/17/23	7/19/23 11:06	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	56.9	30-150		7/19/23 11:06
Decachlorobiphenyl [2]	67.9	30-150		7/19/23 11:06
Tetrachloro-m-xylene [1]	71.1	30-150		7/19/23 11:06
Tetrachloro-m-xylene [2]	75.7	30-150		7/19/23 11:06

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB111-SS(22-24) Sampled: 7/14/2023 09:15

Sample ID: 23G1941-03

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	4000	20	15	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 14:47	MJH
Antimony	ND	2.0	0.42	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 14:47	MJH
Arsenic	2.3	4.0	0.67	mg/Kg dry	1	J	SW-846 6010D	7/17/23	7/18/23 14:47	MJH
Barium	33	2.0	0.31	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 14:47	MJH
Beryllium	0.13	0.20	0.059	mg/Kg dry	1	J	SW-846 6010D	7/17/23	7/18/23 14:47	MJH
Cadmium	ND	0.40	0.13	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 14:47	MJH
Calcium	870	20	3.6	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 14:47	MJH
Chromium	10	0.80	0.30	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 14:47	MJH
Cobalt	3.5	2.0	0.29	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 14:47	MJH
Copper	8.2	0.80	0.18	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 14:47	MJH
Iron	5800	20	13	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 14:47	MJH
Lead	2.8	0.60	0.33	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 14:47	MJH
Magnesium	1600	20	3.1	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 14:47	MJH
Manganese	53	0.40	0.21	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 14:47	MJH
Mercury	ND	0.029	0.013	mg/Kg dry	1		SW-846 7471B	7/20/23	7/21/23 11:52	AAJ
Nickel	13	0.80	0.32	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 14:47	MJH
Potassium	1100	200	36	mg/Kg dry	1		SW-846 6010D	7/17/23	7/19/23 8:00	HNN
Selenium	ND	4.0	0.86	mg/Kg dry	1		SW-846 6010D	7/17/23	7/19/23 8:00	HNN
Silver	0.66	0.40	0.13	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 14:47	MJH
Sodium	170	200	36	mg/Kg dry	1	J	SW-846 6010D	7/17/23	7/18/23 14:47	MJH
Thallium	ND	2.0	0.70	mg/Kg dry	1		SW-846 6010D	7/17/23	7/19/23 8:00	HNN
Vanadium	14	0.80	0.25	mg/Kg dry	1		SW-846 6010D	7/17/23	7/22/23 0:57	ATP
Zinc	13	0.80	0.28	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 14:47	MJH

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB111-SS(22-24) Sampled: 7/14/2023 09:15

Sample ID: 23G1941-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.0			% Wt	1		SM 2540G	7/17/23	7/18/23 8:36	ADB
Cyanide	ND	0.52	0.37	mg/Kg dry	1		SW-846 9014	7/18/23	7/19/23 7:42	MMH

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB108-SS(2-4) Sampled: 7/14/2023 10:45

Sample ID: 23G1941-04

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.015	0.068	0.0061	mg/Kg dry	1	J	SW-846 8260D	7/17/23	7/17/23 7:41	MFF
Benzene	0.0021	0.0014	0.00039	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:41	MFF
Bromochloromethane	ND	0.0014	0.00053	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:41	MFF
Bromodichloromethane	ND	0.0014	0.00035	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:41	MFF
Bromoform	ND	0.0014	0.00041	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:41	MFF
Bromomethane	ND	0.0068	0.0012	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:41	MFF
2-Butanone (MEK)	ND	0.027	0.0042	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:41	MFF
Carbon Disulfide	ND	0.0068	0.0054	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:41	MFF
Carbon Tetrachloride	ND	0.0014	0.00053	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:41	MFF
Chlorobenzene	ND	0.0014	0.00038	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:41	MFF
Chlorodibromomethane	ND	0.00068	0.00043	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:41	MFF
Chloroethane	ND	0.014	0.00075	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:41	MFF
Chloroform	ND	0.0027	0.00042	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:41	MFF
Chloromethane	ND	0.0068	0.00067	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:41	MFF
Cyclohexane	ND	0.0068	0.0028	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:41	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0014	0.00054	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:41	MFF
1,2-Dibromoethane (EDB)	ND	0.00068	0.00052	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:41	MFF
1,2-Dichlorobenzene	ND	0.0014	0.00036	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:41	MFF
1,3-Dichlorobenzene	ND	0.0014	0.00037	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:41	MFF
1,4-Dichlorobenzene	ND	0.0014	0.00041	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:41	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.014	0.00070	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:41	MFF
1,1-Dichloroethane	ND	0.0014	0.00046	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:41	MFF
1,2-Dichloroethane	ND	0.0014	0.00045	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:41	MFF
1,1-Dichloroethylene	ND	0.0027	0.00056	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:41	MFF
cis-1,2-Dichloroethylene	ND	0.0014	0.00043	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:41	MFF
trans-1,2-Dichloroethylene	0.00072	0.0014	0.00049	mg/Kg dry	1	J	SW-846 8260D	7/17/23	7/17/23 7:41	MFF
1,2-Dichloropropane	ND	0.0014	0.00042	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:41	MFF
cis-1,3-Dichloropropene	ND	0.00068	0.00038	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:41	MFF
trans-1,3-Dichloropropene	ND	0.00068	0.00041	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:41	MFF
1,4-Dioxane	ND	0.068	0.031	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:41	MFF
Ethylbenzene	ND	0.0014	0.00040	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:41	MFF
2-Hexanone (MBK)	ND	0.014	0.0034	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:41	MFF
Isopropylbenzene (Cumene)	ND	0.0014	0.00042	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:41	MFF
Methyl Acetate	ND	0.0014	0.00097	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:41	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0027	0.00046	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:41	MFF
Methyl Cyclohexane	ND	0.0014	0.00053	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:41	MFF
Methylene Chloride	ND	0.014	0.00065	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:41	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.014	0.0030	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:41	MFF
Styrene	ND	0.0014	0.00033	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:41	MFF
1,1,2,2-Tetrachloroethane	ND	0.00068	0.00037	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:41	MFF
Tetrachloroethylene	0.0011	0.0014	0.00057	mg/Kg dry	1	J	SW-846 8260D	7/17/23	7/17/23 7:41	MFF
Toluene	0.00074	0.0014	0.00046	mg/Kg dry	1	J	SW-846 8260D	7/17/23	7/17/23 7:41	MFF
1,2,3-Trichlorobenzene	ND	0.0027	0.00038	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:41	MFF
1,2,4-Trichlorobenzene	ND	0.0014	0.00041	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:41	MFF

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB108-SS(2-4) Sampled: 7/14/2023 10:45

Sample ID: 23G1941-04

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	0.0014	0.00052	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:41	MFF
1,1,2-Trichloroethane	ND	0.0014	0.00036	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:41	MFF
Trichloroethylene	ND	0.0014	0.00054	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:41	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0068	0.00051	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:41	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0068	0.00058	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:41	MFF
Vinyl Chloride	ND	0.0068	0.00050	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:41	MFF
Xylenes (total)	ND	0.0014	0.0014	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 7:41	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	120	70-130		7/17/23 7:41
Toluene-d8	101	70-130		7/17/23 7:41
4-Bromofluorobenzene	103	70-130		7/17/23 7:41

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB108-SS(2-4) Sampled: 7/14/2023 10:45

Sample ID: 23G1941-04

Sample Matrix: Soil

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	mg/Kg dry			1			SW-846 8260D	7/17/23	7/17/23 7:41	MFF

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB108-SS(2-4) Sampled: 7/14/2023 10:45

Sample ID: 23G1941-04

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	0.75	0.052	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:11	BGL
Benzaldehyde	ND	0.38	0.036	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:11	BGL
Biphenyl	ND	0.75	0.060	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:11	BGL
Caprolactam	ND	0.38	0.054	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:11	BGL
Acenaphthene	ND	0.19	0.073	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:11	BGL
Acenaphthylene	ND	0.19	0.075	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:11	BGL
Acetophenone	ND	0.38	0.075	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:11	BGL
Anthracene	0.12	0.19	0.073	mg/Kg dry	1	J	SW-846 8270E	7/17/23	7/19/23 16:11	BGL
Benzo(a)anthracene	1.0	0.19	0.069	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:11	BGL
Benzo(a)pyrene	1.1	0.19	0.063	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:11	BGL
Benzo(b)fluoranthene	1.3	0.19	0.064	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:11	BGL
Benzo(g,h,i)perylene	0.66	0.19	0.080	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:11	BGL
Benzo(k)fluoranthene	0.46	0.19	0.069	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:11	BGL
Bis(2-chloroethoxy)methane	ND	0.38	0.075	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:11	BGL
Bis(2-chloroethyl)ether	ND	0.38	0.080	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:11	BGL
Bis(2-chloroisopropyl)ether	ND	0.38	0.16	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:11	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.38	0.078	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:11	BGL
4-Bromophenylphenylether	ND	0.38	0.079	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:11	BGL
Butylbenzylphthalate	ND	0.38	0.072	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:11	BGL
Carbazole	ND	0.19	0.074	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:11	BGL
4-Chloroaniline	ND	0.74	0.068	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:11	BGL
4-Chloro-3-methylphenol	ND	0.74	0.075	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:11	BGL
2-Chloronaphthalene	ND	0.38	0.067	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:11	BGL
2-Chlorophenol	ND	0.38	0.077	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:11	BGL
4-Chlorophenylphenylether	ND	0.38	0.074	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:11	BGL
Chrysene	0.94	0.19	0.069	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:11	BGL
Dibenz(a,h)anthracene	0.14	0.19	0.073	mg/Kg dry	1	J	SW-846 8270E	7/17/23	7/19/23 16:11	BGL
Dibenzofuran	ND	0.38	0.075	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:11	BGL
Di-n-butylphthalate	ND	0.38	0.069	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:11	BGL
3,3-Dichlorobenzidine	ND	0.19	0.050	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:11	BGL
2,4-Dichlorophenol	ND	0.38	0.073	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:11	BGL
Diethylphthalate	ND	0.38	0.074	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:11	BGL
2,4-Dimethylphenol	ND	0.38	0.099	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:11	BGL
Dimethylphthalate	ND	0.38	0.078	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:11	BGL
4,6-Dinitro-2-methylphenol	ND	0.38	0.31	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:11	BGL
2,4-Dinitrophenol	ND	0.74	0.33	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:11	BGL
2,4-Dinitrotoluene	ND	0.38	0.076	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:11	BGL
2,6-Dinitrotoluene	ND	0.38	0.086	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:11	BGL
Di-n-octylphthalate	ND	0.38	0.075	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:11	BGL
Fluoranthene	1.5	0.19	0.068	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:11	BGL
Fluorene	ND	0.19	0.074	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:11	BGL
Hexachlorobenzene	ND	0.38	0.079	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:11	BGL
Hexachlorobutadiene	ND	0.38	0.077	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:11	BGL
Hexachlorocyclopentadiene	ND	0.38	0.25	mg/Kg dry	1	L-04, V-05	SW-846 8270E	7/17/23	7/19/23 16:11	BGL

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB108-SS(2-4) Sampled: 7/14/2023 10:45

Sample ID: 23G1941-04

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	0.38	0.074	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:11	BGL
Indeno(1,2,3-cd)pyrene	0.65	0.19	0.083	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:11	BGL
Isophorone	ND	0.38	0.078	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:11	BGL
2-Methylnaphthalene	ND	0.19	0.075	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:11	BGL
2-Methylphenol	ND	0.38	0.076	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:11	BGL
3/4-Methylphenol	ND	0.38	0.083	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:11	BGL
Naphthalene	ND	0.19	0.076	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:11	BGL
2-Nitroaniline	ND	0.38	0.076	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:11	BGL
3-Nitroaniline	ND	0.38	0.090	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:11	BGL
4-Nitroaniline	ND	0.38	0.064	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:11	BGL
Nitrobenzene	ND	0.38	0.082	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:11	BGL
2-Nitrophenol	ND	0.38	0.079	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:11	BGL
4-Nitrophenol	ND	0.74	0.16	mg/Kg dry	1	V-06	SW-846 8270E	7/17/23	7/19/23 16:11	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	0.38	0.076	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:11	BGL
N-Nitrosodi-n-propylamine	ND	0.38	0.082	mg/Kg dry	1	V-06	SW-846 8270E	7/17/23	7/19/23 16:11	BGL
Pentachlorophenol	ND	0.38	0.17	mg/Kg dry	1	V-05	SW-846 8270E	7/17/23	7/19/23 16:11	BGL
Phenanthrene	0.37	0.19	0.074	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:11	BGL
Phenol	ND	0.38	0.089	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:11	BGL
Pyrene	1.9	0.19	0.076	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:11	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.38	0.078	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:11	BGL
2,4,5-Trichlorophenol	ND	0.38	0.074	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:11	BGL
2,4,6-Trichlorophenol	ND	0.38	0.072	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:11	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	54.0	30-130		7/19/23 16:11
Phenol-d6	62.3	30-130		7/19/23 16:11
Nitrobenzene-d5	70.3	30-130		7/19/23 16:11
2-Fluorobiphenyl	73.2	30-130		7/19/23 16:11
2,4,6-Tribromophenol	44.9	30-130		7/19/23 16:11
p-Terphenyl-d14	80.1	30-130		7/19/23 16:11

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB108-SS(2-4) Sampled: 7/14/2023 10:45

Sample ID: 23G1941-04

Sample Matrix: Soil

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.055	0.023	mg/Kg dry	1		SW-846 8270E	7/21/23	7/25/23 13:53	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,4-Dioxane-d8	45.3	15-110		7/25/23 13:53

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB108-SS(2-4) Sampled: 7/14/2023 10:45

Sample ID: 23G1941-04

Sample Matrix: Soil

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
9,10-Dimethylanthracene	0.27	mg/Kg dry	97166	6.73	1	000781-43-1	93	SW-846 8270E	7/17/23	7/19/23 16:11	BGL
Benzo[e]pyrene	0.80	mg/Kg dry	222634	10.869	1	000192-97-2	96	SW-846 8270E	7/17/23	7/19/23 16:11	BGL
Heptane, 2,5-dimethyl-	0.24	mg/Kg dry	59997	2.386	1	002216-30-0	87	SW-846 8270E	7/17/23	7/19/23 16:11	BGL
Phosphine imide, P,P,P-trip...	0.53	mg/Kg dry	326323	8.652	1	002240-47-3	93	SW-846 8270E	7/17/23	7/19/23 16:11	BGL
Squalene	0.35	mg/Kg dry	97658	10.192	1	007683-64-9	83	SW-846 8270E	7/17/23	7/19/23 16:11	BGL

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB108-SS(2-4) Sampled: 7/14/2023 10:45

Sample ID: 23G1941-04

Sample Matrix: Soil

Sample Flags: DL-03

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [1]	ND	0.44	0.13	mg/Kg dry	20		SW-846 8081B	7/17/23	7/20/23 3:02	TG
Aldrin [1]	ND	0.11	0.011	mg/Kg dry	20		SW-846 8081B	7/17/23	7/20/23 3:02	TG
alpha-BHC [1]	ND	0.11	0.060	mg/Kg dry	20		SW-846 8081B	7/17/23	7/20/23 3:02	TG
beta-BHC [1]	ND	0.11	0.049	mg/Kg dry	20		SW-846 8081B	7/17/23	7/20/23 3:02	TG
delta-BHC [1]	ND	0.11	0.073	mg/Kg dry	20		SW-846 8081B	7/17/23	7/20/23 3:02	TG
gamma-BHC (Lindane) [1]	ND	0.044	0.0093	mg/Kg dry	20		SW-846 8081B	7/17/23	7/20/23 3:02	TG
Chlordane [1]	ND	0.44	0.16	mg/Kg dry	20		SW-846 8081B	7/17/23	7/20/23 3:02	TG
4,4'-DDD [1]	ND	0.088	0.0098	mg/Kg dry	20		SW-846 8081B	7/17/23	7/20/23 3:02	TG
4,4'-DDE [1]	ND	0.088	0.010	mg/Kg dry	20		SW-846 8081B	7/17/23	7/20/23 3:02	TG
4,4'-DDT [1]	ND	0.088	0.0094	mg/Kg dry	20		SW-846 8081B	7/17/23	7/20/23 3:02	TG
Dieldrin [1]	ND	0.088	0.0086	mg/Kg dry	20		SW-846 8081B	7/17/23	7/20/23 3:02	TG
Endosulfan I [1]	ND	0.11	0.054	mg/Kg dry	20		SW-846 8081B	7/17/23	7/20/23 3:02	TG
Endosulfan II [1]	ND	0.18	0.054	mg/Kg dry	20		SW-846 8081B	7/17/23	7/20/23 3:02	TG
Endosulfan sulfate [1]	ND	0.18	0.054	mg/Kg dry	20		SW-846 8081B	7/17/23	7/20/23 3:02	TG
Endrin [1]	ND	0.18	0.055	mg/Kg dry	20		SW-846 8081B	7/17/23	7/20/23 3:02	TG
Endrin aldehyde [1]	ND	0.18	0.11	mg/Kg dry	20		SW-846 8081B	7/17/23	7/21/23 5:14	TG
Endrin ketone [1]	ND	0.18	0.051	mg/Kg dry	20		SW-846 8081B	7/17/23	7/20/23 3:02	TG
Heptachlor [1]	ND	0.11	0.011	mg/Kg dry	20		SW-846 8081B	7/17/23	7/20/23 3:02	TG
Heptachlor epoxide [1]	ND	0.11	0.0099	mg/Kg dry	20		SW-846 8081B	7/17/23	7/20/23 3:02	TG
Hexachlorobenzene [1]	ND	0.13	0.074	mg/Kg dry	20		SW-846 8081B	7/17/23	7/20/23 3:02	TG
Methoxychlor [1]	ND	1.1	0.14	mg/Kg dry	20		SW-846 8081B	7/17/23	7/20/23 3:02	TG
Toxaphene [1]	ND	2.2	1.1	mg/Kg dry	20		SW-846 8081B	7/17/23	7/20/23 3:02	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	73.0	30-150		7/20/23 3:02
Decachlorobiphenyl [2]	71.0	30-150		7/20/23 3:02
Tetrachloro-m-xylene [1]	62.3	30-150		7/20/23 3:02
Tetrachloro-m-xylene [2]	64.8	30-150		7/20/23 3:02

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB108-SS(2-4) Sampled: 7/14/2023 10:45

Sample ID: 23G1941-04

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	0.023	mg/Kg dry	4		SW-846 8082A	7/17/23	7/19/23 11:24	TG
Aroclor-1221 [1]	ND	0.088	0.047	mg/Kg dry	4		SW-846 8082A	7/17/23	7/19/23 11:24	TG
Aroclor-1232 [1]	ND	0.088	0.029	mg/Kg dry	4		SW-846 8082A	7/17/23	7/19/23 11:24	TG
Aroclor-1242 [1]	ND	0.088	0.027	mg/Kg dry	4		SW-846 8082A	7/17/23	7/19/23 11:24	TG
Aroclor-1248 [1]	ND	0.088	0.022	mg/Kg dry	4		SW-846 8082A	7/17/23	7/19/23 11:24	TG
Aroclor-1254 [1]	ND	0.088	0.027	mg/Kg dry	4		SW-846 8082A	7/17/23	7/19/23 11:24	TG
Aroclor-1260 [1]	ND	0.088	0.024	mg/Kg dry	4		SW-846 8082A	7/17/23	7/19/23 11:24	TG
Aroclor-1262 [1]	ND	0.088	0.026	mg/Kg dry	4		SW-846 8082A	7/17/23	7/19/23 11:24	TG
Aroclor-1268 [1]	ND	0.088	0.029	mg/Kg dry	4		SW-846 8082A	7/17/23	7/19/23 11:24	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	72.0	30-150		7/19/23 11:24
Decachlorobiphenyl [2]	94.8	30-150		7/19/23 11:24
Tetrachloro-m-xylene [1]	76.4	30-150		7/19/23 11:24
Tetrachloro-m-xylene [2]	83.7	30-150		7/19/23 11:24

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB108-SS(2-4) Sampled: 7/14/2023 10:45

Sample ID: 23G1941-04

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	6300	18	13	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:04	MJH
Antimony	ND	1.8	0.36	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:04	MJH
Arsenic	6.5	3.5	0.59	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:04	MJH
Barium	54	1.8	0.27	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:04	MJH
Beryllium	0.072	0.18	0.052	mg/Kg dry	1	J	SW-846 6010D	7/17/23	7/18/23 15:04	MJH
Cadmium	0.19	0.35	0.12	mg/Kg dry	1	J	SW-846 6010D	7/17/23	7/18/23 15:04	MJH
Calcium	24000	180	32	mg/Kg dry	10		SW-846 6010D	7/17/23	7/19/23 9:05	HNN
Chromium	13	0.70	0.26	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:04	MJH
Cobalt	4.6	1.8	0.26	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:04	MJH
Copper	34	0.70	0.15	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:04	MJH
Iron	9400	18	11	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:04	MJH
Lead	110	0.53	0.29	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:04	MJH
Magnesium	3600	18	2.7	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:04	MJH
Manganese	230	0.35	0.19	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:04	MJH
Mercury	0.38	0.057	0.024	mg/Kg dry	2	MS-12	SW-846 7471B	7/20/23	7/21/23 12:19	AAJ
Nickel	18	0.70	0.28	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:04	MJH
Potassium	1300	180	32	mg/Kg dry	1		SW-846 6010D	7/17/23	7/19/23 8:17	HNN
Selenium	ND	3.5	0.75	mg/Kg dry	1		SW-846 6010D	7/17/23	7/19/23 8:17	HNN
Silver	1.2	0.35	0.12	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:04	MJH
Sodium	280	180	31	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:04	MJH
Thallium	ND	1.8	0.61	mg/Kg dry	1		SW-846 6010D	7/17/23	7/19/23 8:17	HNN
Vanadium	15	0.70	0.22	mg/Kg dry	1		SW-846 6010D	7/17/23	7/22/23 1:04	ATP
Zinc	51	0.70	0.24	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:04	MJH

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB108-SS(2-4) Sampled: 7/14/2023 10:45

Sample ID: 23G1941-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.9			% Wt	1		SM 2540G	7/17/23	7/18/23 8:36	ADB
Cyanide	ND	0.54	0.38	mg/Kg dry	1		SW-846 9014	7/18/23	7/19/23 7:42	MMH

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB108-SS(11-13) Sampled: 7/14/2023 11:15

Sample ID: 23G1941-05

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.0058	0.062	0.0056	mg/Kg dry	1	J	SW-846 8260D	7/17/23	7/17/23 8:07	MFF
Benzene	ND	0.0012	0.00036	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:07	MFF
Bromochloromethane	ND	0.0012	0.00048	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:07	MFF
Bromodichloromethane	ND	0.0012	0.00032	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:07	MFF
Bromoform	ND	0.0012	0.00038	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:07	MFF
Bromomethane	ND	0.0062	0.0011	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:07	MFF
2-Butanone (MEK)	ND	0.025	0.0039	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:07	MFF
Carbon Disulfide	ND	0.0062	0.0049	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:07	MFF
Carbon Tetrachloride	ND	0.0012	0.00049	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:07	MFF
Chlorobenzene	ND	0.0012	0.00035	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:07	MFF
Chlorodibromomethane	ND	0.00062	0.00039	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:07	MFF
Chloroethane	ND	0.012	0.00068	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:07	MFF
Chloroform	ND	0.0025	0.00039	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:07	MFF
Chloromethane	ND	0.0062	0.00061	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:07	MFF
Cyclohexane	ND	0.0062	0.0025	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:07	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0012	0.00049	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:07	MFF
1,2-Dibromoethane (EDB)	ND	0.00062	0.00047	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:07	MFF
1,2-Dichlorobenzene	ND	0.0012	0.00033	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:07	MFF
1,3-Dichlorobenzene	ND	0.0012	0.00034	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:07	MFF
1,4-Dichlorobenzene	ND	0.0012	0.00037	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:07	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.012	0.00064	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:07	MFF
1,1-Dichloroethane	ND	0.0012	0.00042	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:07	MFF
1,2-Dichloroethane	ND	0.0012	0.00041	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:07	MFF
1,1-Dichloroethylene	ND	0.0025	0.00051	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:07	MFF
cis-1,2-Dichloroethylene	ND	0.0012	0.00039	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:07	MFF
trans-1,2-Dichloroethylene	0.00073	0.0012	0.00045	mg/Kg dry	1	J	SW-846 8260D	7/17/23	7/17/23 8:07	MFF
1,2-Dichloropropane	ND	0.0012	0.00038	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:07	MFF
cis-1,3-Dichloropropene	ND	0.00062	0.00035	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:07	MFF
trans-1,3-Dichloropropene	ND	0.00062	0.00038	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:07	MFF
1,4-Dioxane	ND	0.062	0.028	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:07	MFF
Ethylbenzene	ND	0.0012	0.00037	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:07	MFF
2-Hexanone (MBK)	ND	0.012	0.0031	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:07	MFF
Isopropylbenzene (Cumene)	ND	0.0012	0.00038	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:07	MFF
Methyl Acetate	ND	0.0012	0.00088	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:07	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0025	0.00041	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:07	MFF
Methyl Cyclohexane	ND	0.0012	0.00048	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:07	MFF
Methylene Chloride	0.00076	0.012	0.00059	mg/Kg dry	1	J	SW-846 8260D	7/17/23	7/17/23 8:07	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.012	0.0027	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:07	MFF
Styrene	ND	0.0012	0.00030	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:07	MFF
1,1,2,2-Tetrachloroethane	ND	0.00062	0.00034	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:07	MFF
Tetrachloroethylene	0.0010	0.0012	0.00052	mg/Kg dry	1	J	SW-846 8260D	7/17/23	7/17/23 8:07	MFF
Toluene	ND	0.0012	0.00042	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:07	MFF
1,2,3-Trichlorobenzene	ND	0.0025	0.00035	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:07	MFF
1,2,4-Trichlorobenzene	ND	0.0012	0.00037	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:07	MFF

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB108-SS(11-13) Sampled: 7/14/2023 11:15

Sample ID: 23G1941-05

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	0.0012	0.00047	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:07	MFF
1,1,2-Trichloroethane	ND	0.0012	0.00033	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:07	MFF
Trichloroethylene	ND	0.0012	0.00050	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:07	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0062	0.00046	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:07	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0062	0.00053	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:07	MFF
Vinyl Chloride	ND	0.0062	0.00046	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:07	MFF
Xylenes (total)	ND	0.0012	0.0012	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:07	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	117	70-130		7/17/23 8:07
Toluene-d8	102	70-130		7/17/23 8:07
4-Bromofluorobenzene	103	70-130		7/17/23 8:07

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB108-SS(11-13) Sampled: 7/14/2023 11:15

Sample ID: 23G1941-05

Sample Matrix: Soil

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	mg/Kg dry			1			SW-846 8260D	7/17/23	7/17/23 8:07	MFF

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB108-SS(11-13) Sampled: 7/14/2023 11:15

Sample ID: 23G1941-05

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	0.77	0.054	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:36	BGL
Benzaldehyde	0.050	0.39	0.037	mg/Kg dry	1	J	SW-846 8270E	7/17/23	7/19/23 16:36	BGL
Biphenyl	ND	0.77	0.061	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:36	BGL
Caprolactam	ND	0.39	0.056	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:36	BGL
Acenaphthene	ND	0.20	0.075	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:36	BGL
Acenaphthylene	ND	0.20	0.077	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:36	BGL
Acetophenone	ND	0.39	0.077	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:36	BGL
Anthracene	ND	0.20	0.075	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:36	BGL
Benzo(a)anthracene	ND	0.20	0.070	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:36	BGL
Benzo(a)pyrene	ND	0.20	0.065	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:36	BGL
Benzo(b)fluoranthene	ND	0.20	0.066	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:36	BGL
Benzo(g,h,i)perylene	ND	0.20	0.082	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:36	BGL
Benzo(k)fluoranthene	ND	0.20	0.070	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:36	BGL
Bis(2-chloroethoxy)methane	ND	0.39	0.076	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:36	BGL
Bis(2-chloroethyl)ether	ND	0.39	0.082	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:36	BGL
Bis(2-chloroisopropyl)ether	ND	0.39	0.16	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:36	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.39	0.080	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:36	BGL
4-Bromophenylphenylether	ND	0.39	0.081	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:36	BGL
Butylbenzylphthalate	ND	0.39	0.073	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:36	BGL
Carbazole	ND	0.20	0.076	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:36	BGL
4-Chloroaniline	ND	0.76	0.069	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:36	BGL
4-Chloro-3-methylphenol	ND	0.76	0.077	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:36	BGL
2-Chloronaphthalene	ND	0.39	0.069	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:36	BGL
2-Chlorophenol	ND	0.39	0.079	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:36	BGL
4-Chlorophenylphenylether	ND	0.39	0.075	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:36	BGL
Chrysene	ND	0.20	0.070	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:36	BGL
Dibenz(a,h)anthracene	ND	0.20	0.075	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:36	BGL
Dibenzofuran	ND	0.39	0.077	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:36	BGL
Di-n-butylphthalate	ND	0.39	0.071	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:36	BGL
3,3-Dichlorobenzidine	ND	0.20	0.051	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:36	BGL
2,4-Dichlorophenol	ND	0.39	0.075	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:36	BGL
Diethylphthalate	ND	0.39	0.075	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:36	BGL
2,4-Dimethylphenol	ND	0.39	0.10	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:36	BGL
Dimethylphthalate	ND	0.39	0.080	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:36	BGL
4,6-Dinitro-2-methylphenol	ND	0.39	0.32	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:36	BGL
2,4-Dinitrophenol	ND	0.76	0.34	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:36	BGL
2,4-Dinitrotoluene	ND	0.39	0.078	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:36	BGL
2,6-Dinitrotoluene	ND	0.39	0.088	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:36	BGL
Di-n-octylphthalate	ND	0.39	0.077	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:36	BGL
Fluoranthene	ND	0.20	0.070	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:36	BGL
Fluorene	ND	0.20	0.076	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:36	BGL
Hexachlorobenzene	ND	0.39	0.081	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:36	BGL
Hexachlorobutadiene	ND	0.39	0.079	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:36	BGL
Hexachlorocyclopentadiene	ND	0.39	0.25	mg/Kg dry	1	L-04, V-05	SW-846 8270E	7/17/23	7/19/23 16:36	BGL

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB108-SS(11-13) Sampled: 7/14/2023 11:15

Sample ID: 23G1941-05

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	0.39	0.076	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:36	BGL
Indeno(1,2,3-cd)pyrene	ND	0.20	0.085	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:36	BGL
Isophorone	ND	0.39	0.080	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:36	BGL
2-Methylnaphthalene	ND	0.20	0.076	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:36	BGL
2-Methylphenol	ND	0.39	0.078	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:36	BGL
3/4-Methylphenol	ND	0.39	0.085	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:36	BGL
Naphthalene	ND	0.20	0.078	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:36	BGL
2-Nitroaniline	ND	0.39	0.078	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:36	BGL
3-Nitroaniline	ND	0.39	0.092	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:36	BGL
4-Nitroaniline	ND	0.39	0.066	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:36	BGL
Nitrobenzene	ND	0.39	0.084	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:36	BGL
2-Nitrophenol	ND	0.39	0.081	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:36	BGL
4-Nitrophenol	ND	0.76	0.16	mg/Kg dry	1	V-06	SW-846 8270E	7/17/23	7/19/23 16:36	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	0.39	0.078	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:36	BGL
N-Nitrosodi-n-propylamine	ND	0.39	0.085	mg/Kg dry	1	V-06	SW-846 8270E	7/17/23	7/19/23 16:36	BGL
Pentachlorophenol	ND	0.39	0.18	mg/Kg dry	1	V-05	SW-846 8270E	7/17/23	7/19/23 16:36	BGL
Phenanthrene	ND	0.20	0.076	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:36	BGL
Phenol	ND	0.39	0.091	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:36	BGL
Pyrene	ND	0.20	0.078	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:36	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.39	0.080	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:36	BGL
2,4,5-Trichlorophenol	ND	0.39	0.076	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:36	BGL
2,4,6-Trichlorophenol	ND	0.39	0.074	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:36	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	59.0	30-130		7/19/23 16:36
Phenol-d6	68.9	30-130		7/19/23 16:36
Nitrobenzene-d5	70.4	30-130		7/19/23 16:36
2-Fluorobiphenyl	76.4	30-130		7/19/23 16:36
2,4,6-Tribromophenol	61.9	30-130		7/19/23 16:36
p-Terphenyl-d14	87.8	30-130		7/19/23 16:36

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB108-SS(11-13) Sampled: 7/14/2023 11:15

Sample ID: 23G1941-05

Sample Matrix: Soil

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.057	0.024	mg/Kg dry	1		SW-846 8270E	7/21/23	7/25/23 14:13	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	38.9	15-110			7/25/23 14:13

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB108-SS(11-13) Sampled: 7/14/2023 11:15

Sample ID: 23G1941-05

Sample Matrix: Soil

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
18-Norabietane	4.3	mg/Kg dry	1614960	6.572	1	1000293-16-6	91	SW-846 8270E	7/17/23	7/19/23 16:36	BGL
1-Phenanthrenecarboxylic ac...	0.64	mg/Kg dry	246085	8.205	1	001740-19-8	91	SW-846 8270E	7/17/23	7/19/23 16:36	BGL
8-Isopropyl-1,3-dimethylphe...	3.6	mg/Kg dry	1387040	7.705	1	135886-06-5	94	SW-846 8270E	7/17/23	7/19/23 16:36	BGL
Phenanthrene, 1-methyl-7-(1...	0.71	mg/Kg dry	273794	7.339	1	000483-65-8	93	SW-846 8270E	7/17/23	7/19/23 16:36	BGL
Phenanthrene, 3,4,5,6-tetra...	0.68	mg/Kg dry	264268	7.512	1	007343-06-8	91	SW-846 8270E	7/17/23	7/19/23 16:36	BGL
Phosphine imide, P,P,P-trip...	0.70	mg/Kg dry	270237	8.658	1	002240-47-3	93	SW-846 8270E	7/17/23	7/19/23 16:36	BGL

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB108-SS(11-13) Sampled: 7/14/2023 11:15

Sample ID: 23G1941-05

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [1]	ND	0.022	0.0067	mg/Kg dry	1		SW-846 8081B	7/17/23	7/20/23 3:30	TG
Aldrin [1]	ND	0.0056	0.00056	mg/Kg dry	1		SW-846 8081B	7/17/23	7/20/23 3:30	TG
alpha-BHC [1]	ND	0.0056	0.0030	mg/Kg dry	1		SW-846 8081B	7/17/23	7/20/23 3:30	TG
beta-BHC [1]	ND	0.0056	0.0025	mg/Kg dry	1		SW-846 8081B	7/17/23	7/20/23 3:30	TG
delta-BHC [1]	ND	0.0056	0.0037	mg/Kg dry	1		SW-846 8081B	7/17/23	7/20/23 3:30	TG
gamma-BHC (Lindane) [1]	ND	0.0022	0.00048	mg/Kg dry	1		SW-846 8081B	7/17/23	7/20/23 3:30	TG
Chlordane [1]	ND	0.022	0.0079	mg/Kg dry	1		SW-846 8081B	7/17/23	7/20/23 3:30	TG
4,4'-DDD [1]	ND	0.0045	0.00050	mg/Kg dry	1		SW-846 8081B	7/17/23	7/20/23 3:30	TG
4,4'-DDE [1]	ND	0.0045	0.00052	mg/Kg dry	1		SW-846 8081B	7/17/23	7/20/23 3:30	TG
4,4'-DDT [1]	ND	0.0045	0.00048	mg/Kg dry	1		SW-846 8081B	7/17/23	7/20/23 3:30	TG
Dieldrin [1]	ND	0.0045	0.00044	mg/Kg dry	1		SW-846 8081B	7/17/23	7/20/23 3:30	TG
Endosulfan I [1]	ND	0.0056	0.0027	mg/Kg dry	1		SW-846 8081B	7/17/23	7/20/23 3:30	TG
Endosulfan II [1]	ND	0.0090	0.0027	mg/Kg dry	1		SW-846 8081B	7/17/23	7/20/23 3:30	TG
Endosulfan sulfate [1]	ND	0.0090	0.0028	mg/Kg dry	1		SW-846 8081B	7/17/23	7/20/23 3:30	TG
Endrin [1]	ND	0.0090	0.0028	mg/Kg dry	1		SW-846 8081B	7/17/23	7/20/23 3:30	TG
Endrin aldehyde [1]	ND	0.0090	0.0055	mg/Kg dry	1		SW-846 8081B	7/17/23	7/21/23 5:42	TG
Endrin ketone [1]	ND	0.0090	0.0026	mg/Kg dry	1		SW-846 8081B	7/17/23	7/20/23 3:30	TG
Heptachlor [1]	ND	0.0056	0.00055	mg/Kg dry	1		SW-846 8081B	7/17/23	7/20/23 3:30	TG
Heptachlor epoxide [1]	ND	0.0056	0.00051	mg/Kg dry	1		SW-846 8081B	7/17/23	7/20/23 3:30	TG
Hexachlorobenzene [1]	ND	0.0067	0.0038	mg/Kg dry	1		SW-846 8081B	7/17/23	7/20/23 3:30	TG
Methoxychlor [1]	ND	0.056	0.0069	mg/Kg dry	1		SW-846 8081B	7/17/23	7/20/23 3:30	TG
Toxaphene [1]	ND	0.11	0.055	mg/Kg dry	1		SW-846 8081B	7/17/23	7/20/23 3:30	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	64.9	30-150		7/20/23 3:30
Decachlorobiphenyl [2]	61.2	30-150		7/20/23 3:30
Tetrachloro-m-xylene [1]	73.3	30-150		7/20/23 3:30
Tetrachloro-m-xylene [2]	70.0	30-150		7/20/23 3:30

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB108-SS(11-13) Sampled: 7/14/2023 11:15

Sample ID: 23G1941-05

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	0.023	mg/Kg dry	4		SW-846 8082A	7/17/23	7/19/23 11:41	TG
Aroclor-1221 [1]	ND	0.090	0.048	mg/Kg dry	4		SW-846 8082A	7/17/23	7/19/23 11:41	TG
Aroclor-1232 [1]	ND	0.090	0.029	mg/Kg dry	4		SW-846 8082A	7/17/23	7/19/23 11:41	TG
Aroclor-1242 [1]	ND	0.090	0.027	mg/Kg dry	4		SW-846 8082A	7/17/23	7/19/23 11:41	TG
Aroclor-1248 [1]	ND	0.090	0.023	mg/Kg dry	4		SW-846 8082A	7/17/23	7/19/23 11:41	TG
Aroclor-1254 [1]	ND	0.090	0.027	mg/Kg dry	4		SW-846 8082A	7/17/23	7/19/23 11:41	TG
Aroclor-1260 [1]	ND	0.090	0.024	mg/Kg dry	4		SW-846 8082A	7/17/23	7/19/23 11:41	TG
Aroclor-1262 [1]	ND	0.090	0.027	mg/Kg dry	4		SW-846 8082A	7/17/23	7/19/23 11:41	TG
Aroclor-1268 [1]	ND	0.090	0.030	mg/Kg dry	4		SW-846 8082A	7/17/23	7/19/23 11:41	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	74.5	30-150		7/19/23 11:41
Decachlorobiphenyl [2]	90.6	30-150		7/19/23 11:41
Tetrachloro-m-xylene [1]	82.2	30-150		7/19/23 11:41
Tetrachloro-m-xylene [2]	88.8	30-150		7/19/23 11:41

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB108-SS(11-13) Sampled: 7/14/2023 11:15

Sample ID: 23G1941-05

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	3800	19	14	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:09	MJH
Antimony	ND	1.9	0.39	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:09	MJH
Arsenic	2.6	3.8	0.63	mg/Kg dry	1	J	SW-846 6010D	7/17/23	7/18/23 15:09	MJH
Barium	22	1.9	0.29	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:09	MJH
Beryllium	ND	0.19	0.056	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:09	MJH
Cadmium	ND	0.38	0.12	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:09	MJH
Calcium	2300	19	3.4	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:09	MJH
Chromium	10	0.75	0.28	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:09	MJH
Cobalt	2.6	1.9	0.28	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:09	MJH
Copper	6.7	0.75	0.16	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:09	MJH
Iron	6000	19	12	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:09	MJH
Lead	4.3	0.56	0.31	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:09	MJH
Magnesium	1600	19	2.9	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:09	MJH
Manganese	48	0.38	0.20	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:09	MJH
Mercury	ND	0.029	0.013	mg/Kg dry	1		SW-846 7471B	7/20/23	7/21/23 11:56	AAJ
Nickel	12	0.75	0.30	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:09	MJH
Potassium	990	190	34	mg/Kg dry	1		SW-846 6010D	7/17/23	7/19/23 8:21	HNN
Selenium	ND	3.8	0.80	mg/Kg dry	1		SW-846 6010D	7/17/23	7/19/23 8:21	HNN
Silver	0.67	0.38	0.13	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:09	MJH
Sodium	460	190	34	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:09	MJH
Thallium	ND	1.9	0.66	mg/Kg dry	1		SW-846 6010D	7/17/23	7/19/23 8:21	HNN
Vanadium	12	0.75	0.24	mg/Kg dry	1		SW-846 6010D	7/17/23	7/22/23 1:11	ATP
Zinc	13	0.75	0.26	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:09	MJH

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB108-SS(11-13) Sampled: 7/14/2023 11:15

Sample ID: 23G1941-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.6			% Wt	1		SM 2540G	7/17/23	7/18/23 8:37	ADB
Cyanide	ND	0.47	0.34	mg/Kg dry	1		SW-846 9014	7/18/23	7/20/23 5:54	MMH

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB112-SS(2-4) Sampled: 7/14/2023 12:00

Sample ID: 23G1941-06

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.019	0.14	0.012	mg/Kg dry	1	J	SW-846 8260D	7/17/23	7/17/23 8:32	MFF
Benzene	ND	0.0027	0.00080	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:32	MFF
Bromochloromethane	ND	0.0027	0.0011	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:32	MFF
Bromodichloromethane	ND	0.0027	0.00071	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:32	MFF
Bromoform	ND	0.0027	0.00084	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:32	MFF
Bromomethane	ND	0.014	0.0024	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:32	MFF
2-Butanone (MEK)	ND	0.055	0.0085	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:32	MFF
Carbon Disulfide	ND	0.014	0.011	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:32	MFF
Carbon Tetrachloride	ND	0.0027	0.0011	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:32	MFF
Chlorobenzene	ND	0.0027	0.00077	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:32	MFF
Chlorodibromomethane	ND	0.0014	0.00087	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:32	MFF
Chloroethane	ND	0.027	0.0015	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:32	MFF
Chloroform	ND	0.0055	0.00086	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:32	MFF
Chloromethane	ND	0.014	0.0014	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:32	MFF
Cyclohexane	ND	0.014	0.0056	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:32	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0027	0.0011	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:32	MFF
1,2-Dibromoethane (EDB)	ND	0.0014	0.0010	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:32	MFF
1,2-Dichlorobenzene	ND	0.0027	0.00072	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:32	MFF
1,3-Dichlorobenzene	ND	0.0027	0.00075	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:32	MFF
1,4-Dichlorobenzene	ND	0.0027	0.00083	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:32	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.027	0.0014	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:32	MFF
1,1-Dichloroethane	ND	0.0027	0.00094	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:32	MFF
1,2-Dichloroethane	ND	0.0027	0.00091	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:32	MFF
1,1-Dichloroethylene	ND	0.0055	0.0011	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:32	MFF
cis-1,2-Dichloroethylene	ND	0.0027	0.00087	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:32	MFF
trans-1,2-Dichloroethylene	0.0043	0.0027	0.0010	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:32	MFF
1,2-Dichloropropane	ND	0.0027	0.00085	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:32	MFF
cis-1,3-Dichloropropene	ND	0.0014	0.00077	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:32	MFF
trans-1,3-Dichloropropene	ND	0.0014	0.00083	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:32	MFF
1,4-Dioxane	ND	0.14	0.062	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:32	MFF
Ethylbenzene	ND	0.0027	0.00082	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:32	MFF
2-Hexanone (MBK)	ND	0.027	0.0069	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:32	MFF
Isopropylbenzene (Cumene)	ND	0.0027	0.00085	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:32	MFF
Methyl Acetate	ND	0.0027	0.0020	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:32	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0055	0.00092	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:32	MFF
Methyl Cyclohexane	ND	0.0027	0.0011	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:32	MFF
Methylene Chloride	0.0036	0.027	0.0013	mg/Kg dry	1	J	SW-846 8260D	7/17/23	7/17/23 8:32	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.027	0.0060	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:32	MFF
Styrene	ND	0.0027	0.00068	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:32	MFF
1,1,2,2-Tetrachloroethane	ND	0.0014	0.00075	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:32	MFF
Tetrachloroethylene	0.0046	0.0027	0.0011	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:32	MFF
Toluene	ND	0.0027	0.00093	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:32	MFF
1,2,3-Trichlorobenzene	ND	0.0055	0.00077	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:32	MFF
1,2,4-Trichlorobenzene	ND	0.0027	0.00083	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:32	MFF

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB112-SS(2-4) Sampled: 7/14/2023 12:00

Sample ID: 23G1941-06

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	0.0027	0.0010	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:32	MFF
1,1,2-Trichloroethane	ND	0.0027	0.00073	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:32	MFF
Trichloroethylene	ND	0.0027	0.0011	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:32	MFF
Trichlorofluoromethane (Freon 11)	ND	0.014	0.0010	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:32	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.014	0.0012	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:32	MFF
Vinyl Chloride	ND	0.014	0.0010	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:32	MFF
Xylenes (total)	ND	0.0027	0.0027	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:32	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	115	70-130		7/17/23 8:32
Toluene-d8	102	70-130		7/17/23 8:32
4-Bromofluorobenzene	101	70-130		7/17/23 8:32

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB112-SS(2-4) Sampled: 7/14/2023 12:00

Sample ID: 23G1941-06

Sample Matrix: Soil

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	mg/Kg dry			1			SW-846 8260D	7/17/23	7/17/23 8:32	MFF

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB112-SS(2-4) Sampled: 7/14/2023 12:00

Sample ID: 23G1941-06

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	0.79	0.055	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:59	BGL
Benzaldehyde	ND	0.40	0.038	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:59	BGL
Biphenyl	ND	0.79	0.063	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:59	BGL
Caprolactam	ND	0.40	0.057	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:59	BGL
Acenaphthene	ND	0.20	0.076	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:59	BGL
Acenaphthylene	ND	0.20	0.078	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:59	BGL
Acetophenone	ND	0.40	0.078	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:59	BGL
Anthracene	0.22	0.20	0.077	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:59	BGL
Benzo(a)anthracene	4.4	0.20	0.072	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:59	BGL
Benzo(a)pyrene	4.2	0.20	0.066	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:59	BGL
Benzo(b)fluoranthene	5.7	0.80	0.27	mg/Kg dry	4		SW-846 8270E	7/17/23	7/20/23 14:55	BGL
Benzo(g,h,i)perylene	2.7	0.20	0.084	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:59	BGL
Benzo(k)fluoranthene	2.4	0.20	0.072	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:59	BGL
Bis(2-chloroethoxy)methane	ND	0.40	0.078	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:59	BGL
Bis(2-chloroethyl)ether	ND	0.40	0.084	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:59	BGL
Bis(2-chloroisopropyl)ether	ND	0.40	0.17	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:59	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.40	0.082	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:59	BGL
4-Bromophenylphenylether	ND	0.40	0.083	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:59	BGL
Butylbenzylphthalate	ND	0.40	0.075	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:59	BGL
Carbazole	ND	0.20	0.078	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:59	BGL
4-Chloroaniline	ND	0.78	0.071	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:59	BGL
4-Chloro-3-methylphenol	ND	0.78	0.079	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:59	BGL
2-Chloronaphthalene	ND	0.40	0.071	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:59	BGL
2-Chlorophenol	ND	0.40	0.081	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:59	BGL
4-Chlorophenylphenylether	ND	0.40	0.077	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:59	BGL
Chrysene	4.0	0.20	0.072	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:59	BGL
Dibenz(a,h)anthracene	0.66	0.20	0.077	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:59	BGL
Dibenzofuran	ND	0.40	0.078	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:59	BGL
Di-n-butylphthalate	ND	0.40	0.073	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:59	BGL
3,3-Dichlorobenzidine	ND	0.20	0.053	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:59	BGL
2,4-Dichlorophenol	ND	0.40	0.077	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:59	BGL
Diethylphthalate	ND	0.40	0.077	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:59	BGL
2,4-Dimethylphenol	ND	0.40	0.10	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:59	BGL
Dimethylphthalate	ND	0.40	0.082	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:59	BGL
4,6-Dinitro-2-methylphenol	ND	0.40	0.33	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:59	BGL
2,4-Dinitrophenol	ND	0.78	0.35	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:59	BGL
2,4-Dinitrotoluene	ND	0.40	0.080	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:59	BGL
2,6-Dinitrotoluene	ND	0.40	0.090	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:59	BGL
Di-n-octylphthalate	ND	0.40	0.079	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:59	BGL
Fluoranthene	4.9	0.80	0.28	mg/Kg dry	4		SW-846 8270E	7/17/23	7/20/23 14:55	BGL
Fluorene	ND	0.20	0.078	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:59	BGL
Hexachlorobenzene	ND	0.40	0.083	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:59	BGL
Hexachlorobutadiene	ND	0.40	0.081	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:59	BGL
Hexachlorocyclopentadiene	ND	0.40	0.26	mg/Kg dry	1	L-04, V-05	SW-846 8270E	7/17/23	7/19/23 16:59	BGL

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB112-SS(2-4) Sampled: 7/14/2023 12:00

Sample ID: 23G1941-06

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	0.40	0.078	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:59	BGL
Indeno(1,2,3-cd)pyrene	2.9	0.20	0.087	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:59	BGL
Isophorone	ND	0.40	0.082	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:59	BGL
2-Methylnaphthalene	ND	0.20	0.078	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:59	BGL
2-Methylphenol	ND	0.40	0.079	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:59	BGL
3/4-Methylphenol	ND	0.40	0.087	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:59	BGL
Naphthalene	ND	0.20	0.080	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:59	BGL
2-Nitroaniline	ND	0.40	0.080	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:59	BGL
3-Nitroaniline	ND	0.40	0.094	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:59	BGL
4-Nitroaniline	ND	0.40	0.067	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:59	BGL
Nitrobenzene	ND	0.40	0.086	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:59	BGL
2-Nitrophenol	ND	0.40	0.083	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:59	BGL
4-Nitrophenol	ND	0.78	0.17	mg/Kg dry	1	V-06	SW-846 8270E	7/17/23	7/19/23 16:59	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	0.40	0.080	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:59	BGL
N-Nitrosodi-n-propylamine	ND	0.40	0.087	mg/Kg dry	1	V-06	SW-846 8270E	7/17/23	7/19/23 16:59	BGL
Pentachlorophenol	ND	0.40	0.18	mg/Kg dry	1	V-05	SW-846 8270E	7/17/23	7/19/23 16:59	BGL
Phenanthrene	0.28	0.20	0.078	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:59	BGL
Phenol	ND	0.40	0.093	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:59	BGL
Pyrene	6.3	0.80	0.32	mg/Kg dry	4		SW-846 8270E	7/17/23	7/20/23 14:55	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.40	0.082	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:59	BGL
2,4,5-Trichlorophenol	ND	0.40	0.077	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:59	BGL
2,4,6-Trichlorophenol	ND	0.40	0.076	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 16:59	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	59.8	30-130		7/19/23 16:59
2-Fluorophenol	56.6	30-130		7/20/23 14:55
Phenol-d6	75.4	30-130		7/19/23 16:59
Phenol-d6	68.8	30-130		7/20/23 14:55
Nitrobenzene-d5	76.9	30-130		7/19/23 16:59
Nitrobenzene-d5	75.0	30-130		7/20/23 14:55
2-Fluorobiphenyl	87.3	30-130		7/19/23 16:59
2-Fluorobiphenyl	81.4	30-130		7/20/23 14:55
2,4,6-Tribromophenol	36.3	30-130		7/19/23 16:59
2,4,6-Tribromophenol	31.8	30-130		7/20/23 14:55
p-Terphenyl-d14	88.8	30-130		7/19/23 16:59
p-Terphenyl-d14	83.9	30-130		7/20/23 14:55

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB112-SS(2-4) Sampled: 7/14/2023 12:00

Sample ID: 23G1941-06

Sample Matrix: Soil

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.060	0.025	mg/Kg dry	1		SW-846 8270E	7/21/23	7/25/23 14:33	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,4-Dioxane-d8	46.9	15-110		7/25/23 14:33

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB112-SS(2-4) Sampled: 7/14/2023 12:00

Sample ID: 23G1941-06

Sample Matrix: Soil

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
1,3-Propanediol, 2,2-dimethyl-	2.2	mg/Kg dry	496901	2.861	1	000126-30-7	83	SW-846 8270E	7/17/23	7/19/23 16:59	BGL
11H-Benzo[a]fluoren-11-one	0.22	mg/Kg dry	386258	7.991	1	000479-79-8	95	SW-846 8270E	7/17/23	7/19/23 16:59	BGL
1H-Cyclopropa[l]phenanthren...	0.27	mg/Kg dry	97980	6.401	1	000949-41-7	87	SW-846 8270E	7/17/23	7/19/23 16:59	BGL
3-Hexene-2,5-dione	1.5	mg/Kg dry	329461	2.908	1	004436-75-3	80	SW-846 8270E	7/17/23	7/19/23 16:59	BGL
6-Phenylbenzocyclohepten-7-one	0.30	mg/Kg dry	111378	6.531	1	093327-56-1	87	SW-846 8270E	7/17/23	7/19/23 16:59	BGL
Anthracene, 9-methyl-	0.24	mg/Kg dry	89454	6.345	1	000779-02-2	91	SW-846 8270E	7/17/23	7/19/23 16:59	BGL
Benzo[e]pyrene	3.8	mg/Kg dry	1057200	10.875	1	000192-97-2	98	SW-846 8270E	7/17/23	7/19/23 16:59	BGL
Cyclodecacyclododecene, 1,2...	0.54	mg/Kg dry	149419	12.903	1	014113-80-5	95	SW-846 8270E	7/17/23	7/19/23 16:59	BGL
Cyclopenta(def)phenanthrenone	0.76	mg/Kg dry	278882	6.811	1	005737-13-3	94	SW-846 8270E	7/17/23	7/19/23 16:59	BGL
di-p-Tolylacetylene	0.45	mg/Kg dry	165474	6.73	1	002789-88-0	94	SW-846 8270E	7/17/23	7/19/23 16:59	BGL
Heptane, 2,3-dimethyl-	0.19	mg/Kg dry	41811	2.492	1	003074-71-3	91	SW-846 8270E	7/17/23	7/19/23 16:59	BGL
Phenanthrene, 2-methyl-	0.37	mg/Kg dry	136032	6.326	1	002531-84-2	96	SW-846 8270E	7/17/23	7/19/23 16:59	BGL

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB112-SS(2-4) Sampled: 7/14/2023 12:00

Sample ID: 23G1941-06

Sample Matrix: Soil

Sample Flags: DL-03

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [1]	ND	0.48	0.14	mg/Kg dry	20		SW-846 8081B	7/17/23	7/20/23 3:59	TG
Aldrin [1]	ND	0.12	0.012	mg/Kg dry	20		SW-846 8081B	7/17/23	7/20/23 3:59	TG
alpha-BHC [1]	ND	0.12	0.065	mg/Kg dry	20		SW-846 8081B	7/17/23	7/20/23 3:59	TG
beta-BHC [1]	ND	0.12	0.054	mg/Kg dry	20		SW-846 8081B	7/17/23	7/20/23 3:59	TG
delta-BHC [1]	ND	0.12	0.079	mg/Kg dry	20		SW-846 8081B	7/17/23	7/20/23 3:59	TG
gamma-BHC (Lindane) [1]	ND	0.048	0.010	mg/Kg dry	20		SW-846 8081B	7/17/23	7/20/23 3:59	TG
Chlordane [1]	ND	0.48	0.17	mg/Kg dry	20		SW-846 8081B	7/17/23	7/20/23 3:59	TG
4,4'-DDD [1]	ND	0.096	0.011	mg/Kg dry	20		SW-846 8081B	7/17/23	7/20/23 3:59	TG
4,4'-DDE [1]	ND	0.096	0.011	mg/Kg dry	20		SW-846 8081B	7/17/23	7/20/23 3:59	TG
4,4'-DDT [1]	ND	0.096	0.010	mg/Kg dry	20		SW-846 8081B	7/17/23	7/20/23 3:59	TG
Dieldrin [1]	ND	0.096	0.0093	mg/Kg dry	20		SW-846 8081B	7/17/23	7/20/23 3:59	TG
Endosulfan I [1]	ND	0.12	0.058	mg/Kg dry	20		SW-846 8081B	7/17/23	7/20/23 3:59	TG
Endosulfan II [1]	ND	0.19	0.058	mg/Kg dry	20		SW-846 8081B	7/17/23	7/20/23 3:59	TG
Endosulfan sulfate [1]	ND	0.19	0.059	mg/Kg dry	20		SW-846 8081B	7/17/23	7/20/23 3:59	TG
Endrin [1]	ND	0.19	0.060	mg/Kg dry	20		SW-846 8081B	7/17/23	7/20/23 3:59	TG
Endrin aldehyde [1]	ND	0.19	0.12	mg/Kg dry	20		SW-846 8081B	7/17/23	7/21/23 6:10	TG
Endrin ketone [1]	ND	0.19	0.055	mg/Kg dry	20		SW-846 8081B	7/17/23	7/20/23 3:59	TG
Heptachlor [1]	ND	0.12	0.012	mg/Kg dry	20		SW-846 8081B	7/17/23	7/20/23 3:59	TG
Heptachlor epoxide [1]	ND	0.12	0.011	mg/Kg dry	20		SW-846 8081B	7/17/23	7/20/23 3:59	TG
Hexachlorobenzene [1]	ND	0.14	0.080	mg/Kg dry	20		SW-846 8081B	7/17/23	7/20/23 3:59	TG
Methoxychlor [1]	ND	1.2	0.15	mg/Kg dry	20		SW-846 8081B	7/17/23	7/20/23 3:59	TG
Toxaphene [1]	ND	2.4	1.2	mg/Kg dry	20		SW-846 8081B	7/17/23	7/20/23 3:59	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
Decachlorobiphenyl [1]	77.8	30-150		7/20/23	3:59
Decachlorobiphenyl [2]	71.3	30-150		7/20/23	3:59
Tetrachloro-m-xylene [1]	67.8	30-150		7/20/23	3:59
Tetrachloro-m-xylene [2]	71.4	30-150		7/20/23	3:59

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB112-SS(2-4) Sampled: 7/14/2023 12:00

Sample ID: 23G1941-06

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.096	0.025	mg/Kg dry	4		SW-846 8082A	7/17/23	7/19/23 11:58	TG
Aroclor-1221 [1]	ND	0.096	0.051	mg/Kg dry	4		SW-846 8082A	7/17/23	7/19/23 11:58	TG
Aroclor-1232 [1]	ND	0.096	0.031	mg/Kg dry	4		SW-846 8082A	7/17/23	7/19/23 11:58	TG
Aroclor-1242 [1]	ND	0.096	0.029	mg/Kg dry	4		SW-846 8082A	7/17/23	7/19/23 11:58	TG
Aroclor-1248 [1]	ND	0.096	0.024	mg/Kg dry	4		SW-846 8082A	7/17/23	7/19/23 11:58	TG
Aroclor-1254 [1]	0.034	0.096	0.029	mg/Kg dry	4	J	SW-846 8082A	7/17/23	7/19/23 11:58	TG
Aroclor-1260 [1]	ND	0.096	0.026	mg/Kg dry	4		SW-846 8082A	7/17/23	7/19/23 11:58	TG
Aroclor-1262 [1]	ND	0.096	0.029	mg/Kg dry	4		SW-846 8082A	7/17/23	7/19/23 11:58	TG
Aroclor-1268 [1]	ND	0.096	0.032	mg/Kg dry	4		SW-846 8082A	7/17/23	7/19/23 11:58	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	75.3	30-150		7/19/23 11:58
Decachlorobiphenyl [2]	107	30-150		7/19/23 11:58
Tetrachloro-m-xylene [1]	82.7	30-150		7/19/23 11:58
Tetrachloro-m-xylene [2]	89.6	30-150		7/19/23 11:58

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB112-SS(2-4) Sampled: 7/14/2023 12:00

Sample ID: 23G1941-06

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	6900	19	14	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:13	MJH
Antimony	ND	1.9	0.40	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:13	MJH
Arsenic	8.7	3.8	0.64	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:13	MJH
Barium	62	1.9	0.29	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:13	MJH
Beryllium	0.067	0.19	0.057	mg/Kg dry	1	J	SW-846 6010D	7/17/23	7/18/23 15:13	MJH
Cadmium	0.97	0.38	0.13	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:13	MJH
Calcium	23000	190	34	mg/Kg dry	10		SW-846 6010D	7/17/23	7/19/23 9:11	HNN
Chromium	14	0.77	0.28	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:13	MJH
Cobalt	5.5	1.9	0.28	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:13	MJH
Copper	51	0.77	0.17	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:13	MJH
Iron	12000	19	12	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:13	MJH
Lead	330	0.58	0.32	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:13	MJH
Magnesium	3800	19	3.0	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:13	MJH
Manganese	300	0.38	0.20	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:13	MJH
Mercury	0.58	0.031	0.013	mg/Kg dry	1		SW-846 7471B	7/20/23	7/21/23 11:57	AAJ
Nickel	21	0.77	0.31	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:13	MJH
Potassium	1400	190	35	mg/Kg dry	1		SW-846 6010D	7/17/23	7/19/23 8:26	HNN
Selenium	ND	3.8	0.82	mg/Kg dry	1		SW-846 6010D	7/17/23	7/19/23 8:26	HNN
Silver	2.2	0.38	0.13	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:13	MJH
Sodium	290	190	34	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:13	MJH
Thallium	ND	1.9	0.67	mg/Kg dry	1		SW-846 6010D	7/17/23	7/19/23 8:26	HNN
Vanadium	22	0.77	0.24	mg/Kg dry	1		SW-846 6010D	7/17/23	7/22/23 1:18	ATP
Zinc	200	0.77	0.26	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:13	MJH

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB112-SS(2-4) Sampled: 7/14/2023 12:00

Sample ID: 23G1941-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.5			% Wt	1		SM 2540G	7/17/23	7/18/23 8:37	ADB
Cyanide	ND	0.47	0.34	mg/Kg dry	1		SW-846 9014	7/18/23	7/20/23 5:54	MMH

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB112-SS(8-10) Sampled: 7/14/2023 12:30

Sample ID: 23G1941-07

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.0054	0.046	0.0042	mg/Kg dry	1	J	SW-846 8260D	7/17/23	7/17/23 8:58	MFF
Benzene	0.00028	0.00093	0.00027	mg/Kg dry	1	J	SW-846 8260D	7/17/23	7/17/23 8:58	MFF
Bromochloromethane	ND	0.00093	0.00036	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:58	MFF
Bromodichloromethane	ND	0.00093	0.00024	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:58	MFF
Bromoform	ND	0.00093	0.00028	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:58	MFF
Bromomethane	ND	0.0046	0.00080	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:58	MFF
2-Butanone (MEK)	ND	0.019	0.0029	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:58	MFF
Carbon Disulfide	ND	0.0046	0.0037	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:58	MFF
Carbon Tetrachloride	ND	0.00093	0.00037	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:58	MFF
Chlorobenzene	ND	0.00093	0.00026	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:58	MFF
Chlorodibromomethane	ND	0.00046	0.00029	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:58	MFF
Chloroethane	ND	0.0093	0.00051	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:58	MFF
Chloroform	ND	0.0019	0.00029	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:58	MFF
Chloromethane	ND	0.0046	0.00046	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:58	MFF
Cyclohexane	ND	0.0046	0.0019	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:58	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.00093	0.00037	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:58	MFF
1,2-Dibromoethane (EDB)	ND	0.00046	0.00036	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:58	MFF
1,2-Dichlorobenzene	ND	0.00093	0.00025	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:58	MFF
1,3-Dichlorobenzene	ND	0.00093	0.00026	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:58	MFF
1,4-Dichlorobenzene	ND	0.00093	0.00028	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:58	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.0093	0.00048	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:58	MFF
1,1-Dichloroethane	ND	0.00093	0.00032	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:58	MFF
1,2-Dichloroethane	ND	0.00093	0.00031	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:58	MFF
1,1-Dichloroethylene	ND	0.0019	0.00038	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:58	MFF
cis-1,2-Dichloroethylene	ND	0.00093	0.00030	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:58	MFF
trans-1,2-Dichloroethylene	ND	0.00093	0.00034	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:58	MFF
1,2-Dichloropropane	ND	0.00093	0.00029	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:58	MFF
cis-1,3-Dichloropropene	ND	0.00046	0.00026	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:58	MFF
trans-1,3-Dichloropropene	ND	0.00046	0.00028	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:58	MFF
1,4-Dioxane	ND	0.046	0.021	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:58	MFF
Ethylbenzene	ND	0.00093	0.00028	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:58	MFF
2-Hexanone (MBK)	ND	0.0093	0.0023	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:58	MFF
Isopropylbenzene (Cumene)	ND	0.00093	0.00029	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:58	MFF
Methyl Acetate	ND	0.00093	0.00067	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:58	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0019	0.00031	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:58	MFF
Methyl Cyclohexane	ND	0.00093	0.00036	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:58	MFF
Methylene Chloride	ND	0.0093	0.00045	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:58	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.0093	0.0021	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:58	MFF
Styrene	ND	0.00093	0.00023	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:58	MFF
1,1,2,2-Tetrachloroethane	ND	0.00046	0.00026	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:58	MFF
Tetrachloroethylene	ND	0.00093	0.00039	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:58	MFF
Toluene	ND	0.00093	0.00031	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:58	MFF
1,2,3-Trichlorobenzene	ND	0.0019	0.00026	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:58	MFF
1,2,4-Trichlorobenzene	ND	0.00093	0.00028	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:58	MFF

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB112-SS(8-10) Sampled: 7/14/2023 12:30

Sample ID: 23G1941-07

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	0.00093	0.00036	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:58	MFF
1,1,2-Trichloroethane	ND	0.00093	0.00025	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:58	MFF
Trichloroethylene	ND	0.00093	0.00037	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:58	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0046	0.00035	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:58	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0046	0.00040	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:58	MFF
Vinyl Chloride	ND	0.0046	0.00034	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:58	MFF
Xylenes (total)	ND	0.00093	0.00093	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 8:58	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	115	70-130		7/17/23 8:58
Toluene-d8	97.5	70-130		7/17/23 8:58
4-Bromofluorobenzene	101	70-130		7/17/23 8:58

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB112-SS(8-10) Sampled: 7/14/2023 12:30

Sample ID: 23G1941-07

Sample Matrix: Soil

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	mg/Kg dry			1			SW-846 8260D	7/17/23	7/17/23 8:58	MFF

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB112-SS(8-10) Sampled: 7/14/2023 12:30

Sample ID: 23G1941-07

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	0.77	0.053	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:23	BGL
Benzaldehyde	ND	0.39	0.037	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:23	BGL
Biphenyl	ND	0.77	0.061	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:23	BGL
Caprolactam	ND	0.39	0.055	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:23	BGL
Acenaphthene	ND	0.20	0.074	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:23	BGL
Acenaphthylene	ND	0.20	0.076	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:23	BGL
Acetophenone	ND	0.39	0.076	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:23	BGL
Anthracene	ND	0.20	0.075	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:23	BGL
Benzo(a)anthracene	ND	0.20	0.070	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:23	BGL
Benzo(a)pyrene	ND	0.20	0.064	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:23	BGL
Benzo(b)fluoranthene	ND	0.20	0.066	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:23	BGL
Benzo(g,h,i)perylene	ND	0.20	0.081	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:23	BGL
Benzo(k)fluoranthene	ND	0.20	0.070	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:23	BGL
Bis(2-chloroethoxy)methane	ND	0.39	0.076	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:23	BGL
Bis(2-chloroethyl)ether	ND	0.39	0.082	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:23	BGL
Bis(2-chloroisopropyl)ether	ND	0.39	0.16	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:23	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.39	0.079	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:23	BGL
4-Bromophenylphenylether	ND	0.39	0.080	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:23	BGL
Butylbenzylphthalate	ND	0.39	0.073	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:23	BGL
Carbazole	ND	0.20	0.076	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:23	BGL
4-Chloroaniline	ND	0.76	0.069	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:23	BGL
4-Chloro-3-methylphenol	ND	0.76	0.077	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:23	BGL
2-Chloronaphthalene	ND	0.39	0.069	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:23	BGL
2-Chlorophenol	ND	0.39	0.079	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:23	BGL
4-Chlorophenylphenylether	ND	0.39	0.075	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:23	BGL
Chrysene	ND	0.20	0.070	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:23	BGL
Dibenz(a,h)anthracene	ND	0.20	0.075	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:23	BGL
Dibenzofuran	ND	0.39	0.076	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:23	BGL
Di-n-butylphthalate	ND	0.39	0.071	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:23	BGL
3,3-Dichlorobenzidine	ND	0.20	0.051	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:23	BGL
2,4-Dichlorophenol	ND	0.39	0.075	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:23	BGL
Diethylphthalate	ND	0.39	0.075	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:23	BGL
2,4-Dimethylphenol	ND	0.39	0.10	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:23	BGL
Dimethylphthalate	ND	0.39	0.080	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:23	BGL
4,6-Dinitro-2-methylphenol	ND	0.39	0.32	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:23	BGL
2,4-Dinitrophenol	ND	0.76	0.34	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:23	BGL
2,4-Dinitrotoluene	ND	0.39	0.078	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:23	BGL
2,6-Dinitrotoluene	ND	0.39	0.088	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:23	BGL
Di-n-octylphthalate	ND	0.39	0.077	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:23	BGL
Fluoranthene	ND	0.20	0.069	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:23	BGL
Fluorene	ND	0.20	0.076	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:23	BGL
Hexachlorobenzene	ND	0.39	0.081	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:23	BGL
Hexachlorobutadiene	ND	0.39	0.079	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:23	BGL
Hexachlorocyclopentadiene	ND	0.39	0.25	mg/Kg dry	1	L-04, V-05	SW-846 8270E	7/17/23	7/19/23 17:23	BGL

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Field Sample #: 250WATERST-SB112-SS(8-10) Sampled: 7/14/2023 12:30

Sample ID: 23G1941-07

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	0.39	0.076	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:23	BGL
Indeno(1,2,3-cd)pyrene	ND	0.20	0.085	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:23	BGL
Isophorone	ND	0.39	0.080	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:23	BGL
2-Methylnaphthalene	ND	0.20	0.076	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:23	BGL
2-Methylphenol	ND	0.39	0.077	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:23	BGL
3/4-Methylphenol	ND	0.39	0.085	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:23	BGL
Naphthalene	ND	0.20	0.078	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:23	BGL
2-Nitroaniline	ND	0.39	0.078	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:23	BGL
3-Nitroaniline	ND	0.39	0.092	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:23	BGL
4-Nitroaniline	ND	0.39	0.066	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:23	BGL
Nitrobenzene	ND	0.39	0.084	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:23	BGL
2-Nitrophenol	ND	0.39	0.080	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:23	BGL
4-Nitrophenol	ND	0.76	0.16	mg/Kg dry	1	V-06	SW-846 8270E	7/17/23	7/19/23 17:23	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	0.39	0.078	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:23	BGL
N-Nitrosodi-n-propylamine	ND	0.39	0.084	mg/Kg dry	1	V-06	SW-846 8270E	7/17/23	7/19/23 17:23	BGL
Pentachlorophenol	ND	0.39	0.17	mg/Kg dry	1	V-05	SW-846 8270E	7/17/23	7/19/23 17:23	BGL
Phenanthrene	ND	0.20	0.076	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:23	BGL
Phenol	ND	0.39	0.091	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:23	BGL
Pyrene	ND	0.20	0.078	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:23	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.39	0.080	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:23	BGL
2,4,5-Trichlorophenol	ND	0.39	0.075	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:23	BGL
2,4,6-Trichlorophenol	ND	0.39	0.074	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:23	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	62.6	30-130		7/19/23 17:23
Phenol-d6	71.8	30-130		7/19/23 17:23
Nitrobenzene-d5	78.4	30-130		7/19/23 17:23
2-Fluorobiphenyl	82.6	30-130		7/19/23 17:23
2,4,6-Tribromophenol	59.3	30-130		7/19/23 17:23
p-Terphenyl-d14	85.7	30-130		7/19/23 17:23

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Date Received: 7/15/2023

Field Sample #: 250WATERST-SB112-SS(8-10) Sampled: 7/14/2023 12:30

Sample ID: 23G1941-07

Sample Matrix: Soil

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.057	0.023	mg/Kg dry	1		SW-846 8270E	7/21/23	7/25/23 14:53	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
1,4-Dioxane-d8	52.7	15-110					7/25/23 14:53

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Sample ID: 23G1941-07

Sample Matrix: Soil

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Heptane, 2,3-dimethyl-	0.32	mg/Kg dry	94105	2.495	1	003074-71-3	80	SW-846 8270E	7/17/23	7/19/23 17:23	BGL
Heptane, 2,5-dimethyl-	0.29	mg/Kg dry	87119	2.389	1	002216-30-0	80	SW-846 8270E	7/17/23	7/19/23 17:23	BGL
Phosphine imide, P,P,P-trip...	0.72	mg/Kg dry	296445	8.645	1	002240-47-3	94	SW-846 8270E	7/17/23	7/19/23 17:23	BGL

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Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [1]	ND	0.023	0.0068	mg/Kg dry	1		SW-846 8081B	7/17/23	7/20/23 4:27	TG
Aldrin [1]	ND	0.0057	0.00056	mg/Kg dry	1		SW-846 8081B	7/17/23	7/20/23 4:27	TG
alpha-BHC [1]	ND	0.0057	0.0031	mg/Kg dry	1		SW-846 8081B	7/17/23	7/20/23 4:27	TG
beta-BHC [1]	ND	0.0057	0.0025	mg/Kg dry	1		SW-846 8081B	7/17/23	7/20/23 4:27	TG
delta-BHC [1]	ND	0.0057	0.0038	mg/Kg dry	1		SW-846 8081B	7/17/23	7/20/23 4:27	TG
gamma-BHC (Lindane) [1]	ND	0.0023	0.00048	mg/Kg dry	1		SW-846 8081B	7/17/23	7/20/23 4:27	TG
Chlordane [1]	ND	0.023	0.0080	mg/Kg dry	1		SW-846 8081B	7/17/23	7/20/23 4:27	TG
4,4'-DDD [1]	ND	0.0045	0.00051	mg/Kg dry	1		SW-846 8081B	7/17/23	7/20/23 4:27	TG
4,4'-DDE [1]	ND	0.0045	0.00053	mg/Kg dry	1		SW-846 8081B	7/17/23	7/20/23 4:27	TG
4,4'-DDT [1]	ND	0.0045	0.00048	mg/Kg dry	1		SW-846 8081B	7/17/23	7/20/23 4:27	TG
Dieldrin [1]	ND	0.0045	0.00044	mg/Kg dry	1		SW-846 8081B	7/17/23	7/20/23 4:27	TG
Endosulfan I [1]	ND	0.0057	0.0028	mg/Kg dry	1		SW-846 8081B	7/17/23	7/20/23 4:27	TG
Endosulfan II [1]	ND	0.0091	0.0028	mg/Kg dry	1		SW-846 8081B	7/17/23	7/20/23 4:27	TG
Endosulfan sulfate [1]	ND	0.0091	0.0028	mg/Kg dry	1		SW-846 8081B	7/17/23	7/20/23 4:27	TG
Endrin [1]	ND	0.0091	0.0028	mg/Kg dry	1		SW-846 8081B	7/17/23	7/20/23 4:27	TG
Endrin aldehyde [1]	ND	0.0091	0.0056	mg/Kg dry	1		SW-846 8081B	7/17/23	7/21/23 6:39	TG
Endrin ketone [1]	ND	0.0091	0.0026	mg/Kg dry	1		SW-846 8081B	7/17/23	7/20/23 4:27	TG
Heptachlor [1]	ND	0.0057	0.00055	mg/Kg dry	1		SW-846 8081B	7/17/23	7/20/23 4:27	TG
Heptachlor epoxide [1]	ND	0.0057	0.00051	mg/Kg dry	1		SW-846 8081B	7/17/23	7/20/23 4:27	TG
Hexachlorobenzene [1]	ND	0.0068	0.0038	mg/Kg dry	1		SW-846 8081B	7/17/23	7/20/23 4:27	TG
Methoxychlor [1]	ND	0.057	0.0070	mg/Kg dry	1		SW-846 8081B	7/17/23	7/20/23 4:27	TG
Toxaphene [1]	ND	0.11	0.055	mg/Kg dry	1		SW-846 8081B	7/17/23	7/20/23 4:27	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	68.5	30-150		7/20/23 4:27
Decachlorobiphenyl [2]	69.5	30-150		7/20/23 4:27
Tetrachloro-m-xylene [1]	68.2	30-150		7/20/23 4:27
Tetrachloro-m-xylene [2]	69.1	30-150		7/20/23 4:27

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Field Sample #: 250WATERST-SB112-SS(8-10) Sampled: 7/14/2023 12:30

Sample ID: 23G1941-07

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	0.024	mg/Kg dry	4		SW-846 8082A	7/17/23	7/19/23 12:15	TG
Aroclor-1221 [1]	ND	0.091	0.049	mg/Kg dry	4		SW-846 8082A	7/17/23	7/19/23 12:15	TG
Aroclor-1232 [1]	ND	0.091	0.030	mg/Kg dry	4		SW-846 8082A	7/17/23	7/19/23 12:15	TG
Aroclor-1242 [1]	ND	0.091	0.027	mg/Kg dry	4		SW-846 8082A	7/17/23	7/19/23 12:15	TG
Aroclor-1248 [1]	ND	0.091	0.023	mg/Kg dry	4		SW-846 8082A	7/17/23	7/19/23 12:15	TG
Aroclor-1254 [1]	ND	0.091	0.028	mg/Kg dry	4		SW-846 8082A	7/17/23	7/19/23 12:15	TG
Aroclor-1260 [1]	ND	0.091	0.024	mg/Kg dry	4		SW-846 8082A	7/17/23	7/19/23 12:15	TG
Aroclor-1262 [1]	ND	0.091	0.027	mg/Kg dry	4		SW-846 8082A	7/17/23	7/19/23 12:15	TG
Aroclor-1268 [1]	ND	0.091	0.030	mg/Kg dry	4		SW-846 8082A	7/17/23	7/19/23 12:15	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	76.5	30-150		7/19/23 12:15
Decachlorobiphenyl [2]	90.2	30-150		7/19/23 12:15
Tetrachloro-m-xylene [1]	81.0	30-150		7/19/23 12:15
Tetrachloro-m-xylene [2]	87.9	30-150		7/19/23 12:15

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Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	7000	19	14	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:20	MJH
Antimony	ND	1.9	0.39	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:20	MJH
Arsenic	3.8	3.8	0.63	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:20	MJH
Barium	37	1.9	0.29	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:20	MJH
Beryllium	0.089	0.19	0.056	mg/Kg dry	1	J	SW-846 6010D	7/17/23	7/18/23 15:20	MJH
Cadmium	0.33	0.38	0.13	mg/Kg dry	1	J	SW-846 6010D	7/17/23	7/18/23 15:20	MJH
Calcium	4100	19	3.4	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:20	MJH
Chromium	14	0.75	0.28	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:20	MJH
Cobalt	4.8	1.9	0.28	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:20	MJH
Copper	14	0.75	0.17	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:20	MJH
Iron	8400	19	12	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:20	MJH
Lead	32	0.57	0.31	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:20	MJH
Magnesium	1800	19	2.9	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:20	MJH
Manganese	160	0.38	0.20	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:20	MJH
Mercury	0.032	0.029	0.013	mg/Kg dry	1		SW-846 7471B	7/20/23	7/21/23 12:08	AAJ
Nickel	19	0.75	0.31	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:20	MJH
Potassium	1100	190	34	mg/Kg dry	1		SW-846 6010D	7/17/23	7/19/23 8:33	HNN
Selenium	ND	3.8	0.81	mg/Kg dry	1		SW-846 6010D	7/17/23	7/19/23 8:33	HNN
Silver	1.2	0.38	0.13	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:20	MJH
Sodium	190	190	34	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:20	MJH
Thallium	ND	1.9	0.66	mg/Kg dry	1		SW-846 6010D	7/17/23	7/19/23 8:33	HNN
Vanadium	18	0.75	0.24	mg/Kg dry	1		SW-846 6010D	7/17/23	7/22/23 1:38	ATP
Zinc	54	0.75	0.26	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:20	MJH

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB112-SS(8-10) Sampled: 7/14/2023 12:30

Sample ID: 23G1941-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.3			% Wt	1		SM 2540G	7/17/23	7/18/23 8:37	ADB
Cyanide	0.51	0.52	0.37	mg/Kg dry	1	J	SW-846 9014	7/18/23	7/20/23 5:54	MMH

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SS-DUP-20230714 Sampled: 7/14/2023 00:00

Sample ID: 23G1941-08

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.012	0.090	0.0082	mg/Kg dry	1	J	SW-846 8260D	7/17/23	7/17/23 9:23	MFF
Benzene	ND	0.0018	0.00053	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 9:23	MFF
Bromochloromethane	ND	0.0018	0.00071	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 9:23	MFF
Bromodichloromethane	ND	0.0018	0.00047	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 9:23	MFF
Bromoform	ND	0.0018	0.00055	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 9:23	MFF
Bromomethane	ND	0.0090	0.0016	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 9:23	MFF
2-Butanone (MEK)	ND	0.036	0.0056	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 9:23	MFF
Carbon Disulfide	ND	0.0090	0.0072	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 9:23	MFF
Carbon Tetrachloride	ND	0.0018	0.00071	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 9:23	MFF
Chlorobenzene	ND	0.0018	0.00051	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 9:23	MFF
Chlorodibromomethane	ND	0.00090	0.00057	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 9:23	MFF
Chloroethane	ND	0.018	0.0010	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 9:23	MFF
Chloroform	ND	0.0036	0.00057	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 9:23	MFF
Chloromethane	ND	0.0090	0.00089	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 9:23	MFF
Cyclohexane	ND	0.0090	0.0037	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 9:23	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0018	0.00072	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 9:23	MFF
1,2-Dibromoethane (EDB)	ND	0.00090	0.00069	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 9:23	MFF
1,2-Dichlorobenzene	ND	0.0018	0.00048	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 9:23	MFF
1,3-Dichlorobenzene	ND	0.0018	0.00050	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 9:23	MFF
1,4-Dichlorobenzene	ND	0.0018	0.00055	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 9:23	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.018	0.00093	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 9:23	MFF
1,1-Dichloroethane	ND	0.0018	0.00062	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 9:23	MFF
1,2-Dichloroethane	ND	0.0018	0.00060	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 9:23	MFF
1,1-Dichloroethylene	ND	0.0036	0.00074	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 9:23	MFF
cis-1,2-Dichloroethylene	ND	0.0018	0.00058	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 9:23	MFF
trans-1,2-Dichloroethylene	0.0011	0.0018	0.00066	mg/Kg dry	1	J	SW-846 8260D	7/17/23	7/17/23 9:23	MFF
1,2-Dichloropropane	ND	0.0018	0.00056	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 9:23	MFF
cis-1,3-Dichloropropene	ND	0.00090	0.00051	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 9:23	MFF
trans-1,3-Dichloropropene	ND	0.00090	0.00055	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 9:23	MFF
1,4-Dioxane	ND	0.090	0.041	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 9:23	MFF
Ethylbenzene	ND	0.0018	0.00054	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 9:23	MFF
2-Hexanone (MBK)	ND	0.018	0.0045	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 9:23	MFF
Isopropylbenzene (Cumene)	ND	0.0018	0.00056	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 9:23	MFF
Methyl Acetate	ND	0.0018	0.0013	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 9:23	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0036	0.00061	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 9:23	MFF
Methyl Cyclohexane	ND	0.0018	0.00070	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 9:23	MFF
Methylene Chloride	0.0013	0.018	0.00087	mg/Kg dry	1	J	SW-846 8260D	7/17/23	7/17/23 9:23	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.018	0.0040	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 9:23	MFF
Styrene	ND	0.0018	0.00045	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 9:23	MFF
1,1,2,2-Tetrachloroethane	ND	0.00090	0.00050	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 9:23	MFF
Tetrachloroethylene	0.0013	0.0018	0.00076	mg/Kg dry	1	J	SW-846 8260D	7/17/23	7/17/23 9:23	MFF
Toluene	ND	0.0018	0.00061	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 9:23	MFF
1,2,3-Trichlorobenzene	ND	0.0036	0.00051	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 9:23	MFF
1,2,4-Trichlorobenzene	ND	0.0018	0.00055	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 9:23	MFF

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SS-DUP-20230714 Sampled: 7/14/2023 00:00

Sample ID: 23G1941-08

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	0.0018	0.00069	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 9:23	MFF
1,1,2-Trichloroethane	ND	0.0018	0.00048	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 9:23	MFF
Trichloroethylene	ND	0.0018	0.00073	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 9:23	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0090	0.00067	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 9:23	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0090	0.00078	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 9:23	MFF
Vinyl Chloride	ND	0.0090	0.00067	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 9:23	MFF
Xylenes (total)	ND	0.0018	0.0018	mg/Kg dry	1		SW-846 8260D	7/17/23	7/17/23 9:23	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	106	70-130		7/17/23 9:23
Toluene-d8	96.8	70-130		7/17/23 9:23
4-Bromofluorobenzene	98.6	70-130		7/17/23 9:23

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SS-DUP-20230714 Sampled: 7/14/2023 00:00

Sample ID: 23G1941-08

Sample Matrix: Soil

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	mg/Kg dry			1			SW-846 8260D	7/17/23	7/17/23 9:23	MFF

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SS-DUP-20230714 Sampled: 7/14/2023 00:00

Sample ID: 23G1941-08

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	0.77	0.054	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:47	BGL
Benzaldehyde	ND	0.39	0.037	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:47	BGL
Biphenyl	ND	0.77	0.061	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:47	BGL
Caprolactam	ND	0.39	0.056	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:47	BGL
Acenaphthene	ND	0.20	0.075	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:47	BGL
Acenaphthylene	ND	0.20	0.077	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:47	BGL
Acetophenone	ND	0.39	0.077	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:47	BGL
Anthracene	0.19	0.20	0.076	mg/Kg dry	1	J	SW-846 8270E	7/17/23	7/19/23 17:47	BGL
Benzo(a)anthracene	0.16	0.20	0.071	mg/Kg dry	1	J	SW-846 8270E	7/17/23	7/19/23 17:47	BGL
Benzo(a)pyrene	0.14	0.20	0.065	mg/Kg dry	1	J	SW-846 8270E	7/17/23	7/19/23 17:47	BGL
Benzo(b)fluoranthene	0.16	0.20	0.066	mg/Kg dry	1	J	SW-846 8270E	7/17/23	7/19/23 17:47	BGL
Benzo(g,h,i)perylene	ND	0.20	0.082	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:47	BGL
Benzo(k)fluoranthene	0.072	0.20	0.071	mg/Kg dry	1	J	SW-846 8270E	7/17/23	7/19/23 17:47	BGL
Bis(2-chloroethoxy)methane	ND	0.39	0.077	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:47	BGL
Bis(2-chloroethyl)ether	ND	0.39	0.082	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:47	BGL
Bis(2-chloroisopropyl)ether	ND	0.39	0.16	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:47	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.39	0.080	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:47	BGL
4-Bromophenylphenylether	ND	0.39	0.081	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:47	BGL
Butylbenzylphthalate	ND	0.39	0.074	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:47	BGL
Carbazole	ND	0.20	0.076	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:47	BGL
4-Chloroaniline	ND	0.76	0.069	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:47	BGL
4-Chloro-3-methylphenol	ND	0.76	0.077	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:47	BGL
2-Chloronaphthalene	ND	0.39	0.069	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:47	BGL
2-Chlorophenol	ND	0.39	0.079	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:47	BGL
4-Chlorophenylphenylether	ND	0.39	0.076	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:47	BGL
Chrysene	0.17	0.20	0.071	mg/Kg dry	1	J	SW-846 8270E	7/17/23	7/19/23 17:47	BGL
Dibenz(a,h)anthracene	ND	0.20	0.075	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:47	BGL
Dibenzofuran	ND	0.39	0.077	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:47	BGL
Di-n-butylphthalate	ND	0.39	0.071	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:47	BGL
3,3-Dichlorobenzidine	ND	0.20	0.052	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:47	BGL
2,4-Dichlorophenol	ND	0.39	0.076	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:47	BGL
Diethylphthalate	ND	0.39	0.076	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:47	BGL
2,4-Dimethylphenol	ND	0.39	0.10	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:47	BGL
Dimethylphthalate	ND	0.39	0.080	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:47	BGL
4,6-Dinitro-2-methylphenol	ND	0.39	0.32	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:47	BGL
2,4-Dinitrophenol	ND	0.76	0.34	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:47	BGL
2,4-Dinitrotoluene	ND	0.39	0.078	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:47	BGL
2,6-Dinitrotoluene	ND	0.39	0.089	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:47	BGL
Di-n-octylphthalate	ND	0.39	0.078	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:47	BGL
Fluoranthene	0.39	0.20	0.070	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:47	BGL
Fluorene	ND	0.20	0.076	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:47	BGL
Hexachlorobenzene	ND	0.39	0.081	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:47	BGL
Hexachlorobutadiene	ND	0.39	0.079	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:47	BGL
Hexachlorocyclopentadiene	ND	0.39	0.25	mg/Kg dry	1	L-04, V-05	SW-846 8270E	7/17/23	7/19/23 17:47	BGL

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SS-DUP-20230714 Sampled: 7/14/2023 00:00

Sample ID: 23G1941-08

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	0.39	0.076	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:47	BGL
Indeno(1,2,3-cd)pyrene	ND	0.20	0.086	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:47	BGL
Isophorone	ND	0.39	0.080	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:47	BGL
2-Methylnaphthalene	ND	0.20	0.077	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:47	BGL
2-Methylphenol	ND	0.39	0.078	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:47	BGL
3/4-Methylphenol	ND	0.39	0.085	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:47	BGL
Naphthalene	ND	0.20	0.078	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:47	BGL
2-Nitroaniline	ND	0.39	0.078	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:47	BGL
3-Nitroaniline	ND	0.39	0.092	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:47	BGL
4-Nitroaniline	ND	0.39	0.066	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:47	BGL
Nitrobenzene	ND	0.39	0.085	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:47	BGL
2-Nitrophenol	ND	0.39	0.081	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:47	BGL
4-Nitrophenol	ND	0.76	0.16	mg/Kg dry	1	V-06	SW-846 8270E	7/17/23	7/19/23 17:47	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	0.39	0.079	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:47	BGL
N-Nitrosodi-n-propylamine	ND	0.39	0.085	mg/Kg dry	1	V-06	SW-846 8270E	7/17/23	7/19/23 17:47	BGL
Pentachlorophenol	ND	0.39	0.18	mg/Kg dry	1	V-05	SW-846 8270E	7/17/23	7/19/23 17:47	BGL
Phenanthrene	0.26	0.20	0.076	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:47	BGL
Phenol	ND	0.39	0.091	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:47	BGL
Pyrene	0.30	0.20	0.078	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:47	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.39	0.080	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:47	BGL
2,4,5-Trichlorophenol	ND	0.39	0.076	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:47	BGL
2,4,6-Trichlorophenol	ND	0.39	0.075	mg/Kg dry	1		SW-846 8270E	7/17/23	7/19/23 17:47	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	62.8	30-130		7/19/23 17:47
Phenol-d6	71.7	30-130		7/19/23 17:47
Nitrobenzene-d5	77.5	30-130		7/19/23 17:47
2-Fluorobiphenyl	85.8	30-130		7/19/23 17:47
2,4,6-Tribromophenol	47.6	30-130		7/19/23 17:47
p-Terphenyl-d14	88.8	30-130		7/19/23 17:47

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SS-DUP-20230714 Sampled: 7/14/2023 00:00

Sample ID: 23G1941-08

Sample Matrix: Soil

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.057	0.024	mg/Kg dry	1		SW-846 8270E	7/19/23	7/25/23 15:13	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	48.4	15-110			7/25/23 15:13

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SS-DUP-20230714 Sampled: 7/14/2023 00:00

Sample ID: 23G1941-08

Sample Matrix: Soil

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
1-Hexene-3,5-dione	0.43	mg/Kg dry	99746	2.96	1	052204-69-0	80	SW-846 8270E	7/17/23	7/19/23 17:47	BGL
3-Penten-2-one, (E)-	0.20	mg/Kg dry	47362	1.908	1	003102-33-8	90	SW-846 8270E	7/17/23	7/19/23 17:47	BGL
3-Penten-2-one, 4-methyl-	0.69	mg/Kg dry	160698	2.209	1	000141-79-7	91	SW-846 8270E	7/17/23	7/19/23 17:47	BGL
Heptane, 2,3-dimethyl-	0.33	mg/Kg dry	77146	2.495	1	003074-71-3	90	SW-846 8270E	7/17/23	7/19/23 17:47	BGL
Heptane, 2,5-dimethyl-	0.27	mg/Kg dry	63620	2.386	1	002216-30-0	87	SW-846 8270E	7/17/23	7/19/23 17:47	BGL
Naphthalene, 1,2,4a,5,6,8a-...	0.36	mg/Kg dry	123604	5.134	1	000483-75-0	98	SW-846 8270E	7/17/23	7/19/23 17:47	BGL
n-Hexadecanoic acid	0.28	mg/Kg dry	95500	6.317	1	000057-10-3	99	SW-846 8270E	7/17/23	7/19/23 17:47	BGL
Phosphine imide, P,P,P-trip...	0.77	mg/Kg dry	272389	8.646	1	002240-47-3	93	SW-846 8270E	7/17/23	7/19/23 17:47	BGL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SS-DUP-20230714 Sampled: 7/14/2023 00:00

Sample ID: 23G1941-08

Sample Matrix: Soil

Sample Flags: DL-03

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [1]	ND	0.11	0.033	mg/Kg dry	5		SW-846 8081B	7/17/23	7/21/23 7:07	TG
Aldrin [1]	ND	0.028	0.0028	mg/Kg dry	5		SW-846 8081B	7/17/23	7/21/23 7:07	TG
alpha-BHC [1]	ND	0.028	0.015	mg/Kg dry	5		SW-846 8081B	7/17/23	7/21/23 7:07	TG
beta-BHC [1]	ND	0.028	0.013	mg/Kg dry	5		SW-846 8081B	7/17/23	7/21/23 7:07	TG
delta-BHC [1]	ND	0.028	0.018	mg/Kg dry	5		SW-846 8081B	7/17/23	7/21/23 7:07	TG
gamma-BHC (Lindane) [1]	ND	0.011	0.0024	mg/Kg dry	5		SW-846 8081B	7/17/23	7/21/23 7:07	TG
Chlordane [1]	ND	0.11	0.039	mg/Kg dry	5		SW-846 8081B	7/17/23	7/21/23 7:07	TG
4,4'-DDD [1]	ND	0.022	0.0025	mg/Kg dry	5		SW-846 8081B	7/17/23	7/21/23 7:07	TG
4,4'-DDE [1]	ND	0.022	0.0026	mg/Kg dry	5		SW-846 8081B	7/17/23	7/21/23 7:07	TG
4,4'-DDT [1]	ND	0.022	0.0024	mg/Kg dry	5		SW-846 8081B	7/17/23	7/21/23 7:07	TG
Dieldrin [1]	ND	0.022	0.0022	mg/Kg dry	5		SW-846 8081B	7/17/23	7/21/23 7:07	TG
Endosulfan I [1]	ND	0.028	0.014	mg/Kg dry	5		SW-846 8081B	7/17/23	7/21/23 7:07	TG
Endosulfan II [1]	ND	0.045	0.014	mg/Kg dry	5		SW-846 8081B	7/17/23	7/21/23 7:07	TG
Endosulfan sulfate [1]	ND	0.045	0.014	mg/Kg dry	5		SW-846 8081B	7/17/23	7/21/23 7:07	TG
Endrin [1]	ND	0.045	0.014	mg/Kg dry	5		SW-846 8081B	7/17/23	7/21/23 7:07	TG
Endrin aldehyde [1]	ND	0.045	0.027	mg/Kg dry	5		SW-846 8081B	7/17/23	7/21/23 7:07	TG
Endrin ketone [1]	ND	0.045	0.013	mg/Kg dry	5		SW-846 8081B	7/17/23	7/21/23 7:07	TG
Heptachlor [1]	ND	0.028	0.0027	mg/Kg dry	5		SW-846 8081B	7/17/23	7/21/23 7:07	TG
Heptachlor epoxide [1]	ND	0.028	0.0025	mg/Kg dry	5		SW-846 8081B	7/17/23	7/21/23 7:07	TG
Hexachlorobenzene [1]	ND	0.034	0.019	mg/Kg dry	5		SW-846 8081B	7/17/23	7/21/23 7:07	TG
Methoxychlor [1]	ND	0.28	0.035	mg/Kg dry	5		SW-846 8081B	7/17/23	7/21/23 7:07	TG
Toxaphene [1]	ND	0.56	0.27	mg/Kg dry	5		SW-846 8081B	7/17/23	7/21/23 7:07	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	97.8	30-150		7/21/23 7:07
Decachlorobiphenyl [2]	95.0	30-150		7/21/23 7:07
Tetrachloro-m-xylene [1]	94.0	30-150		7/21/23 7:07
Tetrachloro-m-xylene [2]	99.9	30-150		7/21/23 7:07

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SS-DUP-20230714 Sampled: 7/14/2023 00:00

Sample ID: 23G1941-08

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	0.023	mg/Kg dry	4		SW-846 8082A	7/17/23	7/20/23 13:27	TG
Aroclor-1221 [1]	ND	0.090	0.048	mg/Kg dry	4		SW-846 8082A	7/17/23	7/20/23 13:27	TG
Aroclor-1232 [1]	ND	0.090	0.029	mg/Kg dry	4		SW-846 8082A	7/17/23	7/20/23 13:27	TG
Aroclor-1242 [1]	ND	0.090	0.027	mg/Kg dry	4		SW-846 8082A	7/17/23	7/20/23 13:27	TG
Aroclor-1248 [1]	ND	0.090	0.023	mg/Kg dry	4		SW-846 8082A	7/17/23	7/20/23 13:27	TG
Aroclor-1254 [2]	0.72	0.090	0.027	mg/Kg dry	4		SW-846 8082A	7/17/23	7/20/23 13:27	TG
Aroclor-1260 [1]	ND	0.090	0.024	mg/Kg dry	4		SW-846 8082A	7/17/23	7/20/23 13:27	TG
Aroclor-1262 [1]	ND	0.090	0.027	mg/Kg dry	4		SW-846 8082A	7/17/23	7/20/23 13:27	TG
Aroclor-1268 [1]	ND	0.090	0.030	mg/Kg dry	4		SW-846 8082A	7/17/23	7/20/23 13:27	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	85.7	30-150		7/20/23 13:27
Decachlorobiphenyl [2]	103	30-150		7/20/23 13:27
Tetrachloro-m-xylene [1]	92.6	30-150		7/20/23 13:27
Tetrachloro-m-xylene [2]	102	30-150		7/20/23 13:27

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SS-DUP-20230714 Sampled: 7/14/2023 00:00

Sample ID: 23G1941-08

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	4800	19	14	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:26	MJH
Antimony	ND	1.9	0.39	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:26	MJH
Arsenic	4.1	3.8	0.64	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:26	MJH
Barium	44	1.9	0.29	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:26	MJH
Beryllium	ND	0.19	0.056	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:26	MJH
Cadmium	ND	0.38	0.13	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:26	MJH
Calcium	5600	19	3.4	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:26	MJH
Chromium	11	0.76	0.28	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:26	MJH
Cobalt	4.5	1.9	0.28	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:26	MJH
Copper	19	0.76	0.17	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:26	MJH
Iron	7500	19	12	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:26	MJH
Lead	24	0.57	0.31	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:26	MJH
Magnesium	2700	19	2.9	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:26	MJH
Manganese	160	0.38	0.20	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:26	MJH
Mercury	0.12	0.028	0.012	mg/Kg dry	1		SW-846 7471B	7/20/23	7/21/23 12:10	AAJ
Nickel	18	0.76	0.31	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:26	MJH
Potassium	1300	190	35	mg/Kg dry	1		SW-846 6010D	7/17/23	7/19/23 8:37	HNN
Selenium	ND	3.8	0.81	mg/Kg dry	1		SW-846 6010D	7/17/23	7/19/23 8:37	HNN
Silver	0.68	0.38	0.13	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:26	MJH
Sodium	100	190	34	mg/Kg dry	1	J	SW-846 6010D	7/17/23	7/18/23 15:26	MJH
Thallium	ND	1.9	0.66	mg/Kg dry	1		SW-846 6010D	7/17/23	7/19/23 8:37	HNN
Vanadium	13	0.76	0.24	mg/Kg dry	1		SW-846 6010D	7/17/23	7/22/23 1:45	ATP
Zinc	28	0.76	0.26	mg/Kg dry	1		SW-846 6010D	7/17/23	7/18/23 15:26	MJH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1941

Date Received: 7/15/2023

Field Sample #: 250WATERST-SS-DUP-20230714 Sampled: 7/14/2023 00:00

Sample ID: 23G1941-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.8			% Wt	1		SM 2540G	7/17/23	7/18/23 8:37	ADB
Cyanide	0.51	0.44	0.31	mg/Kg dry	1		SW-846 9014	7/18/23	7/20/23 5:54	MMH

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23G1941
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Calibration:	2300846	Instrument:	GCMSVOA7
		Calibration Date:	7/12/2023 5:14:00AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
Acetone	0.1393438	16.8			20	
Acrolein	9.250141E-02	4.5			20	
Acrylonitrile	0.132171	14.1			20	
tert-Amyl Methyl Ether (TAME)	0.9286366	4.1			20	
Benzene	1.220011	8.4			20	
Bromobenzene	1.048753	7.2			20	
Bromochloromethane	0.2678868	11.6			20	
Bromodichloromethane	0.2852591	4.8			20	
Bromoform	0.4454684	4.3			20	
Bromomethane	0.1078823	12.7			20	
2-Butanone (MEK)	0.1670244	5.1			20	
tert-Butyl Alcohol (TBA)	5.246718E-02	9.1			20	
n-Butylbenzene	1.735674	15.1			20	
sec-Butylbenzene	2.112068	18.8			20	
tert-Butylbenzene	1.517237	19.0			20	
tert-Butyl Ethyl Ether (TBEE)	1.093651	3.8			20	
Carbon Disulfide	0.6383774	17.1			20	
Carbon Tetrachloride	0.3639346	17.4			20	
Chlorobenzene	1.53432	8.0			20	
Chlorodibromomethane	0.2325216	2.7			20	
Chloroethane	0.1455703	16.9			20	
Chloroform	0.5602051	7.7			20	
Chloromethane	0.4260619	13.0			20	
2-Chlorotoluene	1.717336	9.5			20	
4-Chlorotoluene	2.099713	9.1			20	
Cyclohexane	0.9130677	47.9	0.998		0.99	
1,2-Dibromo-3-chloropropane (DBCP)	0.1364139	8.5			20	
1,2-Dibromoethane (EDB)	0.2041536	2.5			20	
Dibromomethane	0.1098859	9.0			20	
1,2-Dichlorobenzene	0.9558076	5.3			20	
1,3-Dichlorobenzene	1.022274	10.1			20	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23G1941
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Calibration:	2300846	Instrument:	GCMSVOA7
		Calibration Date:	7/12/2023 5:14:00AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
1,4-Dichlorobenzene	1.018159	7.4			20	
trans-1,4-Dichloro-2-butene	0.2738743	7.8			20	
Dichlorodifluoromethane (Freon 12)	0.3229093	14.9			20	
1,1-Dichloroethane	0.5881858	11.2			20	
1,2-Dichloroethane	0.2868747	3.7			20	
1,1-Dichloroethylene	0.5551736	19.4			20	
cis-1,2-Dichloroethylene	0.5313237	8.6			20	
trans-1,2-Dichloroethylene	0.4578958	12.7			20	
Dichlorofluoromethane (Freon 21)	0.4726465	15.1			20	
1,2-Dichloropropane	0.2284993	5.3			20	
1,3-Dichloropropane	0.317914	4.7			20	
2,2-Dichloropropane	0.4742299	15.3			20	
1,1-Dichloropropene	0.3217646	18.0			20	
cis-1,3-Dichloropropene	0.3684016	4.7			20	
trans-1,3-Dichloropropene	0.3191342	4.0			20	
Diethyl Ether	0.3057232	5.2			20	
Difluorochloromethane (Freon 22)	0.6320801	43.2	0.999		0.99	
Diisopropyl Ether (DIPE)	0.999463	7.5			20	
1,4-Dioxane	2.841731E-03	8.7			20	
Ethyl Acetate	0.3249878	15.0			20	
Ethylbenzene	2.455145	12.9			20	
Hexachlorobutadiene	0.4051908	18.5			20	
2-Hexanone (MBK)	0.1576625	14.5			20	
Iodomethane	0.4859792	13.6			20	
Isopropylbenzene (Cumene)	2.535809	15.0			20	
p-Isopropyltoluene (p-Cymene)	1.860034	15.8			20	
Methyl Acetate	0.3305145	12.4			20	
Methyl tert-Butyl Ether (MTBE)	0.8926565	4.4			20	
Methyl Cyclohexane	0.3504426	14.2			20	
Methylene Chloride	0.4031239	9.5			20	
4-Methyl-2-pentanone (MIBK)	0.2064951	15.4			20	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23G1941
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Calibration:	2300846	Instrument:	GCMSVOA7
		Calibration Date:	7/12/2023 5:14:00AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
Naphthalene	1.931156	3.8			20	
n-Propylbenzene	2.891276	15.2			20	
Styrene	1.739451	6.7			20	
1,1,1,2-Tetrachloroethane	0.5877457	5.3			20	
1,1,2,2-Tetrachloroethane	0.7144844	9.9			20	
Tetrachloroethylene	0.2058066	18.2			20	
Tetrahydrofuran	0.1186702	6.6			20	
Toluene	0.8250477	11.3			20	
1,2,3-Trichlorobenzene	0.7311379	6.1			20	
1,2,4-Trichlorobenzene	0.7880238	7.3			20	
1,3,5-Trichlorobenzene	0.824207	10.4			20	
1,1,1-Trichloroethane	0.4677318	18.6			20	
1,1,2-Trichloroethane	0.1883578	5.7			20	
Trichloroethylene	0.2085854	15.5			20	
Trichlorofluoromethane (Freon 11)	0.4454877	19.3			20	
1,2,3-Trichloropropane	0.8156434	6.1			20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	0.3469077	27.1	0.996		0.99	
1,2,3-Trimethylbenzene	1.846755	9.0			20	
1,2,4-Trimethylbenzene	1.748943	11.0			20	
1,3,5-Trimethylbenzene	2.154432	11.8			20	
Vinyl Chloride	0.3792056	19.5			20	
m+p Xylene	1.906431	13.3			20	
o-Xylene	2.057623	8.7			20	
1,2-Dichloroethane-d4	0.5510526	1.7			20	
Toluene-d8	1.16965	1.9			20	
4-Bromofluorobenzene	1.267653	1.0			20	

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23G1941
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	GCMSVOA7	Calibration:	2300846
Lab File ID:	G22V19318.D	Calibration Date:	07/12/23 05:14
Sequence:	S090340	Injection Date:	07/12/23
Lab Sample ID:	S090340-ICV1	Injection Time:	13:28

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)	
Acetone	A	100	146	0.1393438	0.2036055		46.1	30	*
Acrolein	A	100	136	9.250141E-02	0.1254289		35.6	30	*
Acrylonitrile	A	10.0	9.78	0.132171	0.1293193		-2.2	30	
tert-Amyl Methyl Ether (TAME)	A	10.0	10.0	0.9286366	0.9308125		0.2	30	
Benzene	A	10.0	10.4	1.220011	1.264802		3.7	30	
Bromobenzene	A	10.0	10.2	1.048753	1.066963		1.7	30	
Bromochloromethane	A	10.0	11.0	0.2678868	0.2944728		9.9	30	
Bromodichloromethane	A	10.0	10.3	0.2852591	0.2938116		3.0	30	
Bromoform	A	10.0	11.0	0.4454684	0.4922552		10.5	30	
Bromomethane	A	10.0	9.12	0.1078823	9.841331E-02		-8.8	30	
2-Butanone (MEK)	A	100	111	0.1670244	0.1861408		11.4	30	
tert-Butyl Alcohol (TBA)	A	100	96.2	5.246718E-02	5.045709E-02		-3.8	30	
n-Butylbenzene	A	10.0	11.2	1.735674	1.9523		12.5	30	
sec-Butylbenzene	A	10.0	11.8	2.112068	2.482459		17.5	30	
tert-Butylbenzene	A	10.0	10.8	1.517237	1.638328		8.0	30	
tert-Butyl Ethyl Ether (TBEE)	A	10.0	10.4	1.093651	1.142547		4.5	30	
Carbon Disulfide	A	10.0	13.5	0.6383774	0.8640495		35.4	30	*
Carbon Tetrachloride	A	10.0	10.3	0.3639346	0.3748054		3.0	30	
Chlorobenzene	A	10.0	10.1	1.53432	1.554082		1.3	30	
Chlorodibromomethane	A	10.0	10.1	0.2325216	0.2355075		1.3	30	
Chloroethane	A	10.0	10.0	0.1455703	0.1462845		0.5	30	
Chloroform	A	10.0	10.2	0.5602051	0.5691386		1.6	30	
Chloromethane	A	10.0	10.2	0.4260619	0.4352641		2.2	30	
2-Chlorotoluene	A	10.0	10.8	1.717336	1.854992		8.0	30	
4-Chlorotoluene	A	10.0	10.9	2.099713	2.288703		9.0	30	
Cyclohexane	A	10.0	11.3	0.9130677	0.7857104		13.0	30	
1,2-Dibromo-3-chloropropane (DBCP)	A	10.0	10.2	0.1364139	0.1392516		2.1	30	
1,2-Dibromoethane (EDB)	A	10.0	10.4	0.2041536	0.2125723		4.1	30	
Dibromomethane	A	10.0	9.87	0.1098859	0.1084367		-1.3	30	

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23G1941
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	GCMSVOA7	Calibration:	2300846
Lab File ID:	G22V19318.D	Calibration Date:	07/12/23 05:14
Sequence:	S090340	Injection Date:	07/12/23
Lab Sample ID:	S090340-ICV1	Injection Time:	13:28

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
1,2-Dichlorobenzene	A	10.0	10.5	0.9558076	1.007518		5.4	30
1,3-Dichlorobenzene	A	10.0	10.3	1.022274	1.057021		3.4	30
1,4-Dichlorobenzene	A	10.0	10.2	1.018159	1.04328		2.5	30
trans-1,4-Dichloro-2-butene	A	10.0	9.18	0.2738743	0.2515472		-8.2	30
Dichlorodifluoromethane (Freon 12)	A	10.0	11.8	0.3229093	0.3802628		17.8	30
1,1-Dichloroethane	A	10.0	11.2	0.5881858	0.6588275		12.0	30
1,2-Dichloroethane	A	10.0	10.4	0.2868747	0.2970766		3.6	30
1,1-Dichloroethylene	A	10.0	12.3	0.5551736	0.6808837		22.6	30
cis-1,2-Dichloroethylene	A	10.0	11.4	0.5313237	0.6063636		14.1	30
trans-1,2-Dichloroethylene	A	10.0	11.4	0.4578958	0.522098		14.0	30
Dichlorofluoromethane (Freon 21)	A	10.0	11.4	0.4726465	0.5406217		14.4	30
1,2-Dichloropropane	A	10.0	10.6	0.2284993	0.2433589		6.5	30
1,3-Dichloropropane	A	10.0	10.1	0.317914	0.3208664		0.9	30
2,2-Dichloropropane	A	10.0	11.1	0.4742299	0.5269773		11.1	30
1,1-Dichloropropene	A	10.0	11.3	0.3217646	0.3637879		13.1	30
cis-1,3-Dichloropropene	A	10.0	10.0	0.3684016	0.369892		0.4	30
trans-1,3-Dichloropropene	A	10.0	10.8	0.3191342	0.3434214		7.6	30
Diethyl Ether	A	10.0	9.04	0.3057232	0.2764067		-9.6	30
Difluorochloromethane (Freon 22)	L	10.0	8.85	0.6320801	0.5537353		-11.5	30
Diisopropyl Ether (DIPE)	A	10.0	11.2	0.999463	1.114114		11.5	30
1,4-Dioxane	A	100	95.0	2.841731E-03	2.700514E-03		-5.0	30
Ethyl Acetate	A	10.0	8.39	0.3249878	0.2726137		-16.1	30
Ethylbenzene	A	10.0	11.2	2.455145	2.752953		12.1	30
Hexachlorobutadiene	A	10.0	11.8	0.4051908	0.4795411		18.3	30
2-Hexanone (MBK)	A	100	112	0.1576625	0.1764304		11.9	30
Iodomethane	A	10.0	12.4	0.4859792	0.601183		23.7	30
Isopropylbenzene (Cumene)	A	10.0	11.2	2.535809	2.83928		12.0	30
p-Isopropyltoluene (p-Cymene)	A	10.0	11.4	1.860034	2.12941		14.5	30

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23G1941
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	GCMSVOA7	Calibration:	2300846
Lab File ID:	G22V19318.D	Calibration Date:	07/12/23 05:14
Sequence:	S090340	Injection Date:	07/12/23
Lab Sample ID:	S090340-ICV1	Injection Time:	13:28

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Methyl Acetate	A	10.0	10.0	0.3305145	0.3305855		0.02	30
Methyl tert-Butyl Ether (MTBE)	A	10.0	9.64	0.8926565	0.8605187		-3.6	30
Methyl Cyclohexane	A	10.0	11.8	0.3504426	0.4127162		17.8	30
Methylene Chloride	A	10.0	10.0	0.4031239	0.404573		0.4	30
4-Methyl-2-pentanone (MIBK)	A	100	110	0.2064951	0.2270455		10.0	30
Naphthalene	A	10.0	10.6	1.931156	2.04913		6.1	30
n-Propylbenzene	A	10.0	11.4	2.891276	3.308349		14.4	30
Styrene	A	10.0	10.6	1.739451	1.848116		6.2	30
1,1,1,2-Tetrachloroethane	A	10.0	10.4	0.5877457	0.6114952		4.0	30
1,1,2,2-Tetrachloroethane	A	10.0	11.0	0.7144844	0.7882745		10.3	30
Tetrachloroethylene	A	10.0	11.8	0.2058066	0.2428889		18.0	30
Tetrahydrofuran	A	10.0	9.99	0.1186702	0.1186015		-0.06	30
Toluene	A	10.0	11.3	0.8250477	0.9352413		13.4	30
1,2,3-Trichlorobenzene	A	10.0	10.6	0.7311379	0.7757497		6.1	30
1,2,4-Trichlorobenzene	A	10.0	10.6	0.7880238	0.836168		6.1	30
1,3,5-Trichlorobenzene	A	10.0	11.0	0.824207	0.9105139		10.5	30
1,1,1-Trichloroethane	A	10.0	11.3	0.4677318	0.5305944		13.4	30
1,1,2-Trichloroethane	A	10.0	10.2	0.1883578	0.1926369		2.3	30
Trichloroethylene	A	10.0	11.2	0.2085854	0.2338248		12.1	30
Trichlorofluoromethane (Freon 11)	A	10.0	12.0	0.4454877	0.5332279		19.7	30
1,2,3-Trichloropropane	A	10.0	9.94	0.8156434	0.8107115		-0.6	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	10.0	10.1	0.3469077	0.4270526		1.4	30
1,2,3-Trimethylbenzene	A	10.0	10.1	1.846755	1.857797		0.6	30
1,2,4-Trimethylbenzene	A	10.0	10.5	1.748943	1.839661		5.2	30
1,3,5-Trimethylbenzene	A	10.0	11.1	2.154432	2.383084		10.6	30
Vinyl Chloride	A	10.0	10.1	0.3792056	0.3830852		1.0	30
m+p Xylene	A	20.0	22.6	1.906431	2.156504		13.1	30
o-Xylene	A	10.0	11.0	2.057623	2.254054		9.5	30
1,2-Dichloroethane-d4	A	25.0	24.8	0.5510526	0.5455023		-1.0	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23G1941
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	GCMSVOA7	Calibration:	2300846
Lab File ID:	G22V19802.D	Calibration Date:	07/12/23 05:14
Sequence:	S090591	Injection Date:	07/17/23
Lab Sample ID:	S090591-CCV1	Injection Time:	04:17

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetone	A	100	108	0.1393438	0.1510604		8.4	20	
Benzene	A	10.0	10.4	1.220011	1.263296		3.5	20	
Bromochloromethane	A	10.0	10.7	0.2678868	0.2868472		7.1	20	
Bromodichloromethane	A	10.0	10.2	0.2852591	0.2918697		2.3	20	
Bromoform	A	10.0	9.89	0.4454684	0.4405834		-1.1	20	
Bromomethane	A	10.0	13.8	0.1078823	0.1489817		38.1	20	*
2-Butanone (MEK)	A	100	105	0.1670244	0.1747029		4.6	20	
Carbon Disulfide	A	100	115	0.6383774	0.7371245		15.5	20	
Carbon Tetrachloride	A	10.0	9.86	0.3639346	0.358753		-1.4	20	
Chlorobenzene	A	10.0	10.1	1.53432	1.543628		0.6	20	
Chlorodibromomethane	A	10.0	9.83	0.2325216	0.2285481		-1.7	20	
Chloroethane	A	10.0	12.2	0.1455703	0.1776505		22.0	20	*
Chloroform	A	10.0	10.4	0.5602051	0.5803745		3.6	20	
Chloromethane	A	10.0	11.2	0.4260619	0.476022		11.7	20	
Cyclohexane	L	10.0	9.83	0.9130677	0.6868451		-1.7	20	
1,2-Dibromo-3-chloropropane (DBCP)	A	10.0	9.21	0.1364139	0.1256061		-7.9	20	
1,2-Dibromoethane (EDB)	A	10.0	9.91	0.2041536	0.2022965		-0.9	20	
1,2-Dichlorobenzene	A	10.0	9.72	0.9558076	0.9290319		-2.8	20	
1,3-Dichlorobenzene	A	10.0	9.54	1.022274	0.9748629		-4.6	20	
1,4-Dichlorobenzene	A	10.0	9.56	1.018159	0.973569		-4.4	20	
Dichlorodifluoromethane (Freon 12)	A	10.0	9.84	0.3229093	0.3177744		-1.6	20	
1,1-Dichloroethane	A	10.0	10.8	0.5881858	0.6320451		7.5	20	
1,2-Dichloroethane	A	10.0	10.4	0.2868747	0.297226		3.6	20	
1,1-Dichloroethylene	A	10.0	12.0	0.5551736	0.6675277		20.2	20	*
cis-1,2-Dichloroethylene	A	10.0	11.0	0.5313237	0.5821716		9.6	20	
trans-1,2-Dichloroethylene	A	10.0	11.0	0.4578958	0.505657		10.4	20	
1,2-Dichloropropane	A	10.0	10.1	0.2284993	0.2314625		1.3	20	
cis-1,3-Dichloropropene	A	10.0	10.1	0.3684016	0.3719199		1.0	20	
trans-1,3-Dichloropropene	A	10.0	10.1	0.3191342	0.3237352		1.4	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23G1941
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	GCMSVOA7	Calibration:	2300846
Lab File ID:	G22V19802.D	Calibration Date:	07/12/23 05:14
Sequence:	S090591	Injection Date:	07/17/23
Lab Sample ID:	S090591-CCV1	Injection Time:	04:17

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,4-Dioxane	A	100	93.4	2.841731E-03	2.653065E-03		-6.6	20
Ethylbenzene	A	10.0	10.8	2.455145	2.646945		7.8	20
2-Hexanone (MBK)	A	100	109	0.1576625	0.1714345		8.7	20
Isopropylbenzene (Cumene)	A	10.0	10.9	2.535809	2.765095		9.0	20
Methyl Acetate	A	10.0	9.74	0.3305145	0.3220395		-2.6	20
Methyl tert-Butyl Ether (MTBE)	A	10.0	10.3	0.8926565	0.920991		3.2	20
Methyl Cyclohexane	A	10.0	10.1	0.3504426	0.3537464		0.9	20
Methylene Chloride	A	10.0	10.2	0.4031239	0.4122174		2.3	20
4-Methyl-2-pentanone (MIBK)	A	100	112	0.2064951	0.2304592		11.6	20
Styrene	A	10.0	10.4	1.739451	1.817692		4.5	20
1,1,2,2-Tetrachloroethane	A	10.0	10.0	0.7144844	0.7169398		0.3	20
Tetrachloroethylene	A	10.0	10.7	0.2058066	0.2207378		7.3	20
Toluene	A	10.0	10.7	0.8250477	0.8851812		7.3	20
1,2,3-Trichlorobenzene	A	10.0	9.22	0.7311379	0.6743482		-7.8	20
1,2,4-Trichlorobenzene	A	10.0	9.07	0.7880238	0.7149907		-9.3	20
1,1,1-Trichloroethane	A	10.0	11.4	0.4677318	0.5339806		14.2	20
1,1,2-Trichloroethane	A	10.0	9.72	0.1883578	0.1830415		-2.8	20
Trichloroethylene	A	10.0	10.5	0.2085854	0.2193834		5.2	20
Trichlorofluoromethane (Freon 11)	A	10.0	11.7	0.4454877	0.5208738		16.9	20
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	L	10.0	9.83	0.3469077	0.4157082		-1.7	20
Vinyl Chloride	A	10.0	11.4	0.3792056	0.4342836		14.5	20
m+p Xylene	A	20.0	22.3	1.906431	2.128951		11.7	20
o-Xylene	A	10.0	10.8	2.057623	2.220015		7.9	20
1,2-Dichloroethane-d4	A	25.0	25.9	0.5510526	0.5712219		3.7	
Toluene-d8	A	25.0	25.0	1.16965	1.169963		0.03	
4-Bromofluorobenzene	A	25.0	25.2	1.267653	1.276963		0.7	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	23G1941
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Soil	Preparation:	SW-846 3546
Batch:	B346180	Laboratory ID:	B346180-BS1
Column:		Initial/Final:	30.2 g / 1 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.		QC LIMITS REC.
2,4-Dinitrophenol	1.66	1.08	65.5		30 - 130
2,4-Dinitrotoluene	1.66	1.63	98.4		40 - 140
2,6-Dinitrotoluene	1.66	1.60	96.7		40 - 140
Di-n-octylphthalate	1.66	1.25	75.3		40 - 140
Fluoranthene	1.66	1.38	83.5		40 - 140
Fluorene	1.66	1.38	83.5		40 - 140
Hexachlorobenzene	1.66	1.29	78.1		40 - 140
Hexachlorobutadiene	1.66	1.37	82.8		40 - 140
Hexachlorocyclopentadiene	1.66	0.435	26.3	*	40 - 140
Hexachloroethane	1.66	1.44	87.1		40 - 140
Indeno(1,2,3-cd)pyrene	1.66	1.61	97.1		40 - 140
Isophorone	1.66	1.54	93.0		40 - 140
2-Methylnaphthalene	1.66	1.27	76.5		40 - 140
2-Methylphenol	1.66	1.38	83.4		30 - 130
3/4-Methylphenol	1.66	1.53	92.2		30 - 130
Naphthalene	1.66	1.40	84.6		40 - 140
2-Nitroaniline	1.66	1.67	101		40 - 140
3-Nitroaniline	1.66	1.25	75.6		30 - 140
4-Nitroaniline	1.66	1.38	83.6		40 - 140
Nitrobenzene	1.66	1.57	95.1		40 - 140
2-Nitrophenol	1.66	1.41	85.2		30 - 130
4-Nitrophenol	1.66	2.10	127		30 - 130
N-Nitrosodiphenylamine/Diphenylamine	1.66	1.41	85.0		40 - 140
N-Nitrosodi-n-propylamine	1.66	1.66	100		40 - 140
Pentachlorophenol	1.66	0.902	54.5		30 - 130
Phenanthrene	1.66	1.40	84.7		40 - 140
Phenol	1.66	1.51	91.4		30 - 130
Pyrene	1.66	1.45	87.7		40 - 140
1,2,4,5-Tetrachlorobenzene	1.66	1.28	77.4		40 - 140
2,4,5-Trichlorophenol	1.66	1.38	83.6		30 - 130
2,4,6-Trichlorophenol	1.66	1.29	77.6		30 - 130

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	23G1941
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Soil	Preparation:	SW-846 3546
Batch:	B346180	Laboratory ID:	B346180-BSD1
Column:		Initial/Final:	30.5 g / 1 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
2,4-Dinitrophenol	1.64	1.11	67.4		1.96	30	30 - 130
2,4-Dinitrotoluene	1.64	1.68	103		3.21	30	40 - 140
2,6-Dinitrotoluene	1.64	1.62	98.9		1.20	30	40 - 140
Di-n-octylphthalate	1.64	1.33	80.9		6.21	30	40 - 140
Fluoranthene	1.64	1.34	81.9		2.95	30	40 - 140
Fluorene	1.64	1.39	84.9		0.745	30	40 - 140
Hexachlorobenzene	1.64	1.29	78.7		0.300	30	40 - 140
Hexachlorobutadiene	1.64	1.37	83.4		0.242	30	40 - 140
Hexachlorocyclopentadiene	1.64	0.445	27.2	*	2.23	30	40 - 140
Hexachloroethane	1.64	1.32	80.8		8.54	30	40 - 140
Indeno(1,2,3-cd)pyrene	1.64	1.38	84.2		15.3	30	40 - 140
Isophorone	1.64	1.50	91.6		2.42	30	40 - 140
2-Methylnaphthalene	1.64	1.28	77.9		0.929	30	40 - 140
2-Methylphenol	1.64	1.36	83.1		1.42	30	30 - 130
3/4-Methylphenol	1.64	1.55	94.4		1.43	30	30 - 130
Naphthalene	1.64	1.36	82.7		3.24	30	40 - 140
2-Nitroaniline	1.64	1.60	97.8		4.07	30	40 - 140
3-Nitroaniline	1.64	1.29	78.8		3.16	30	30 - 140
4-Nitroaniline	1.64	1.37	83.6		1.06	30	40 - 140
Nitrobenzene	1.64	1.47	90.0		6.50	30	40 - 140
2-Nitrophenol	1.64	1.34	81.5		5.40	30	30 - 130
4-Nitrophenol	1.64	2.07	127		1.04	50	30 - 130
N-Nitrosodiphenylamine/Diphenylamine	1.64	1.33	81.2		5.61	30	40 - 140
N-Nitrosodi-n-propylamine	1.64	1.65	101		0.610	30	40 - 140
Pentachlorophenol	1.64	0.961	58.6		6.30	30	30 - 130
Phenanthrene	1.64	1.39	84.7		0.989	30	40 - 140
Phenol	1.64	1.54	93.7		1.50	30	30 - 130
Pyrene	1.64	1.35	82.2		7.46	30	40 - 140
1,2,4,5-Tetrachlorobenzene	1.64	1.23	75.2		3.87	30	40 - 140
2,4,5-Trichlorophenol	1.64	1.39	84.7		0.319	30	30 - 130
2,4,6-Trichlorophenol	1.64	1.34	81.5		3.94	30	30 - 130

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Pace New England	Work Order:	23G1941
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	GCMSSV2	Calibration:	2300381
Lab File ID:	B23S200002.D	Calibration Date:	03/08/23 11:00
Sequence:	S090694	Injection Date:	07/19/23
Lab Sample ID:	S090694-CCV1	Injection Time:	09:17

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
2,4-Dimethylphenol	A	50.0	46.8	0.3800651	0.3558133		-6.4	20	
Dimethylphthalate	A	50.0	48.8	1.469299	1.434531		-2.4	20	
4,6-Dinitro-2-methylphenol	A	50.0	52.0	0.1279935	0.1329846		3.9	20	
2,4-Dinitrophenol	L	50.0	40.9	0.1611561	0.1370717		-18.3	20	
2,4-Dinitrotoluene	A	50.0	58.3	0.3862108	0.4501518		16.6	20	
2,6-Dinitrotoluene	A	50.0	53.5	0.3047531	0.3260425		7.0	20	
Di-n-octylphthalate	A	50.0	47.1	1.522681	1.435496		-5.7	20	
Fluoranthene	A	50.0	50.5	1.268195	1.281704		1.1	20	
Fluorene	A	50.0	49.6	1.45819	1.448033		-0.7	20	
Hexachlorobenzene	A	50.0	45.5	0.2652648	0.2414135		-9.0	20	
Hexachlorobutadiene	A	50.0	55.7	0.1990546	0.2216831		11.4	20	
Hexachlorocyclopentadiene	A	50.0	22.8	0.3931697	0.1790074		-54.5	20	*
Hexachloroethane	A	50.0	57.6	0.6583948	0.7580666		15.1	20	
Indeno(1,2,3-cd)pyrene	A	50.0	43.6	1.184854	1.033423		-12.8	20	
Isophorone	A	50.0	54.1	0.6905821	0.7466609		8.1	20	
2-Methylnaphthalene	A	50.0	49.6	0.7770952	0.7700344		-0.9	20	
2-Methylphenol	A	50.0	51.5	1.347648	1.38756		3.0	20	
3/4-Methylphenol	A	100	119	1.455543	1.727972		18.7	20	
Naphthalene	A	50.0	51.4	1.088033	1.11785		2.7	20	
2-Nitroaniline	A	50.0	59.0	0.3767151	0.4447549		18.1	20	
3-Nitroaniline	A	50.0	49.8	0.3595244	0.3582254		-0.4	20	
4-Nitroaniline	A	50.0	48.1	0.3934118	0.3784745		-3.8	20	
Nitrobenzene	A	50.0	58.1	0.4050816	0.4705135		16.2	20	
2-Nitrophenol	A	50.0	53.7	0.2164144	0.2324575		7.4	20	
4-Nitrophenol	A	50.0	69.8	0.1843013	0.2570915		39.5	20	*
N-Nitrosodiphenylamine/Diphenylamine	A	42.8	41.0	0.7272073	0.6992637		-3.8	20	
N-Nitrosodi-n-propylamine	A	50.0	64.0	1.027675	1.316109		28.1	20	*
Pentachlorophenol	A	50.0	34.9	0.1914989	0.1336645		-30.2	20	*

1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Pace New England			Work Order:	23G1941
Client:	NYDEC_TRC Engineers, Inc. - New York, NY		Project:	250 Water Street P-site CAT B - CO 147098	
Matrix:	Soil	Laboratory ID:	B346180-BLK1	File ID:	B23S200006.D
Sampled:		Prepared:	07/17/23 15:10	Analyzed:	07/19/23 11:14
Solids:		Preparation:	SW-846 3546	Dilution:	
Initial/Final:	30.1 g / 1 mL				
Batch:	B346180	Sequence:	S090694	Calibration:	2300381
Instrument:	GCMSSV2				
Column:	1				

CAS NO.	COMPOUND	CONC. (mg/Kg wet)	MDL	RL	Q
100-02-7	4-Nitrophenol		0.14	0.66	V-06
86-30-6	N-Nitrosodiphenylamine/Diphenylamine		0.068	0.34	
621-64-7	N-Nitrosodi-n-propylamine		0.073	0.34	V-06
87-86-5	Pentachlorophenol		0.15	0.34	V-05
85-01-8	Phenanthrene		0.066	0.17	
108-95-2	Phenol		0.079	0.34	
129-00-0	Pyrene		0.068	0.17	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.069	0.34	
95-95-4	2,4,5-Trichlorophenol		0.066	0.34	
88-06-2	2,4,6-Trichlorophenol		0.064	0.34	

CAS NO.	TENTATIVELY IDENTIFIED COMPOUNDS	CONC. (mg/Kg wet)	Q
003074-71-3	Heptane, 2,3-dimethyl-	0.33	B
002216-30-0	Heptane, 2,5-dimethyl-	0.30	B
002240-47-3	Phosphine imide, P,P,P-trip...	0.54	B

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8081B

Laboratory:	Pace New England	Work Order:	23G1941
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	ECD2	Calibration:	2300816
Lab File ID:	B23E184028.D	Calibration Date:	07/03/23 00:00
Sequence:	S090205	Injection Date:	07/03/23
Lab Sample ID:	S090205-ICV1	Injection Time:	19:04

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)	
Chlordane	A	100	114					20	
Chlordane [2C]	A	100	113					20	
Chlordane (1)	A	100	117	725467.6	850341		17.2	20	
Chlordane (1) [2C]	A	100	123	2603190	3199000		22.9	20	*
Chlordane (2)	A	100	133	1113965	1487000		33.5	20	*
Chlordane (2) [2C]	A	100	135	4272070	5774000		35.2	20	*
Chlordane (3)	A	100	117	866803.9	1013000		16.9	20	
Chlordane (3) [2C]	A	100	114	3164164	3615000		14.2	20	
Chlordane (4)	A	100	104	2841822	2943000		3.6	20	
Chlordane (4) [2C]	A	100	69.8	1.055263E+07	7371000		-30.2	20	*
Chlordane (5)	A	100	99.5	827595.6	823534.8		-0.5	20	
Chlordane (5) [2C]	A	100	123	7233331	8903000		23.1	20	*

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8081B

Laboratory:	Pace New England	Work Order:	23G1941
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	ECD2	Calibration:	2300857
Lab File ID:	B23E200093.D	Calibration Date:	07/15/23 00:00
Sequence:	S090740	Injection Date:	07/21/23
Lab Sample ID:	S090740-CCVI	Injection Time:	03:17

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
alpha-Chlordane	A	100	109	2.555842E+07	2.7765E+07		8.6	15	
alpha-Chlordane [2C]	A	100	112	8.283074E+07	9.2445E+07		11.6	15	
gamma-Chlordane	A	100	111	2.578074E+07	2.8613E+07		11.0	15	
gamma-Chlordane [2C]	A	100	113	8.534797E+07	9.645E+07		13.0	15	
Alachlor	A	100	97.6	3073035	3000000		-2.4	15	
Alachlor [2C]	A	100	92.9	8703500	8084000		-7.1	15	
Aldrin	A	100	110	2.808489E+07	3.0941E+07		10.2	15	
Aldrin [2C]	A	100	112	9.126256E+07	1.01866E+08		11.6	15	
alpha-BHC	A	100	116	3.465894E+07	4.0174E+07		15.9	15	*
alpha-BHC [2C]	A	100	132	1.056817E+08	1.3927E+08		31.8	15	*
beta-BHC	A	100	106	1.337416E+07	1.4157E+07		5.9	15	
beta-BHC [2C]	A	100	111	4.201907E+07	4.6798E+07		11.4	15	
delta-BHC	A	100	114	3.21477E+07	3.6551E+07		13.7	15	
delta-BHC [2C]	A	100	123	1.009764E+08	1.23794E+08		22.6	15	*
gamma-BHC (Lindane)	A	100	112	3.167882E+07	3.5481E+07		12.0	15	
gamma-BHC (Lindane) [2C]	A	100	127	9.710602E+07	1.23318E+08		27.0	15	*
4,4'-DDD	A	100	114	2.037887E+07	2.3225E+07		14.0	15	
4,4'-DDD [2C]	A	100	118	6.318865E+07	7.4876E+07		18.5	15	*
4,4'-DDE	A	100	112	2.446223E+07	2.7425E+07		12.1	15	
4,4'-DDE [2C]	A	100	113	8.082281E+07	9.11E+07		12.7	15	
4,4'-DDT	A	100	107	2.201168E+07	2.3543E+07		7.0	15	
4,4'-DDT [2C]	A	100	108	6.81091E+07	7.3808E+07		8.4	15	
Dieldrin	A	100	105	2.603462E+07	2.7285E+07		4.8	15	
Dieldrin [2C]	A	100	106	7.944096E+07	8.4273E+07		6.1	15	
Endosulfan I	A	100	103	2.359439E+07	2.4303E+07		3.0	15	
Endosulfan I [2C]	A	100	100	7.555144E+07	7.5596E+07		0.06	15	
Endosulfan II	A	100	103	2.189046E+07	2.2494E+07		2.8	15	
Endosulfan II [2C]	A	100	101	6.831667E+07	6.9305E+07		1.4	15	
Endosulfan Sulfate	A	100	101	2.121352E+07	2.1329E+07		0.5	15	
Endosulfan Sulfate [2C]	A	100	98.7	6.714095E+07	6.6266E+07		-1.3	15	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8081B

Laboratory:	Pace New England	Work Order:	23G1941
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	ECD2	Calibration:	2300857
Lab File ID:	B23E200115.D	Calibration Date:	07/15/23 00:00
Sequence:	S090740	Injection Date:	07/21/23
Lab Sample ID:	S090740-CCVL	Injection Time:	12:50

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
alpha-Chlordane	A	100	107	2.555842E+07	2.7462E+07		7.4	15	
alpha-Chlordane [2C]	A	100	110	8.283074E+07	9.0756E+07		9.6	15	
gamma-Chlordane	A	100	109	2.578074E+07	2.8078E+07		8.9	15	
gamma-Chlordane [2C]	A	100	111	8.534797E+07	9.439E+07		10.6	15	
Alachlor	A	100	96.9	3073035	2978000		-3.1	15	
Alachlor [2C]	A	100	91.2	8703500	7939000		-8.8	15	
Aldrin	A	100	109	2.808489E+07	3.0589E+07		8.9	15	
Aldrin [2C]	A	100	109	9.126256E+07	9.953E+07		9.1	15	
alpha-BHC	A	100	113	3.465894E+07	3.9171E+07		13.0	15	
alpha-BHC [2C]	A	100	127	1.056817E+08	1.34195E+08		27.0	15	*
beta-BHC	A	100	106	1.337416E+07	1.4206E+07		6.2	15	
beta-BHC [2C]	A	100	109	4.201907E+07	4.5737E+07		8.8	15	
delta-BHC	A	100	113	3.21477E+07	3.6432E+07		13.3	15	
delta-BHC [2C]	A	100	119	1.009764E+08	1.20571E+08		19.4	15	*
gamma-BHC (Lindane)	A	100	112	3.167882E+07	3.5378E+07		11.7	15	
gamma-BHC (Lindane) [2C]	A	100	122	9.710602E+07	1.18136E+08		21.7	15	*
4,4'-DDD	A	100	112	2.037887E+07	2.2918E+07		12.5	15	
4,4'-DDD [2C]	A	100	117	6.318865E+07	7.3914E+07		17.0	15	*
4,4'-DDE	A	100	111	2.446223E+07	2.7187E+07		11.1	15	
4,4'-DDE [2C]	A	100	111	8.082281E+07	8.9775E+07		11.1	15	
4,4'-DDT	A	100	105	2.201168E+07	2.3129E+07		5.1	15	
4,4'-DDT [2C]	A	100	106	6.81091E+07	7.2006E+07		5.7	15	
Dieldrin	A	100	103	2.603462E+07	2.6897E+07		3.3	15	
Dieldrin [2C]	A	100	104	7.944096E+07	8.2906E+07		4.4	15	
Endosulfan I	A	100	102	2.359439E+07	2.3966E+07		1.6	15	
Endosulfan I [2C]	A	100	98.8	7.555144E+07	7.4645E+07		-1.2	15	
Endosulfan II	A	100	102	2.189046E+07	2.2265E+07		1.7	15	
Endosulfan II [2C]	A	100	101	6.831667E+07	6.8739E+07		0.6	15	
Endosulfan Sulfate	A	100	99.8	2.121352E+07	2.117E+07		-0.2	15	
Endosulfan Sulfate [2C]	A	100	98.0	6.714095E+07	6.5784E+07		-2.0	15	

IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

SW-846 8081B

LCS 1275

Lab Sample ID: B346191-BS1 Date(s) Analyzed: 07/19/2023 07/20/2023

Instrument ID (1): ECD2A Instrument ID (2): ECD2B

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	7.195	7.166	7.226	0.092	
	2	7.074	7.044	7.104	0.079	15.2
4,4'-DDE	1	6.756	6.726	6.786	0.092	
	2	6.653	6.624	6.684	0.069	28.6
4,4'-DDT	1	7.407	7.376	7.436	0.093	
	2	7.308	7.279	7.339	0.067	32.5
Alachlor	1	6.198	6.168	6.228	0.074	
	2	5.863	5.833	5.893	0.075	1.3
Aldrin	1	6.100	6.070	6.130	0.084	
	2	5.917	5.887	5.947	0.078	7.4
alpha-BHC	1	5.400	5.369	5.429	0.079	
	2	5.247	5.218	5.278	0.077	2.6
alpha-Chlordane	1	6.699	6.668	6.728	0.081	
	2	6.524	6.494	6.554	0.059	31.4
beta-BHC	1	5.651	5.620	5.680	0.077	
	2	5.503	5.473	5.533	0.072	6.7
delta-BHC	1	5.764	5.733	5.793	0.076	
	2	5.679	5.649	5.709	0.069	9.7
Dieldrin	1	6.971	6.941	7.001	0.088	
	2	6.752	6.722	6.782	0.075	16.0
Endosulfan I	1	6.797	6.766	6.826	0.083	
	2	6.558	6.529	6.589	0.063	27.4
Endosulfan II	1	7.308	7.278	7.338	0.079	
	2	7.126	7.096	7.156	0.073	7.9
Endosulfan Sulfate	1	7.965	7.935	7.995	0.062	
	2	7.596	7.567	7.627	0.058	6.7
Endrin	1	7.141	7.111	7.171	0.088	
	2	6.968	6.938	6.998	0.063	33.1
Endrin Aldehyde	1	7.630	7.600	7.660	0.10	
	2	7.381	7.351	7.411	0.10	0.0
Endrin Ketone	1	8.160	8.129	8.189	0.070	
	2	7.994	7.965	8.025	0.072	2.8
gamma-BHC (Lindane)	1	5.596	5.565	5.625	0.077	
	2	5.452	5.422	5.482	0.080	2.5
gamma-Chlordane	1	6.604	6.574	6.634	0.076	
	2	6.422	6.392	6.452	0.061	21.9
Heptachlor	1	5.900	5.870	5.930	0.085	
	2	5.716	5.686	5.746	0.080	6.1
Heptachlor Epoxide	1	6.517	6.486	6.546	0.085	
	2	6.293	6.263	6.323	0.069	20.8
Hexachlorobenzene	1	5.295	5.264	5.324	0.084	
	2	5.166	5.136	5.196	0.083	1.2

IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

SW-846 8081B

LCS Dup 1277

Lab Sample ID: B346191-BSD1 Date(s) Analyzed: 07/19/2023 07/20/2023

Instrument ID (1): ECD2A Instrument ID (2): ECD2B

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	7.196	7.166	7.226	0.094	
	2	7.075	7.044	7.104	0.079	17.3
4,4'-DDE	1	6.757	6.726	6.786	0.090	
	2	6.654	6.624	6.684	0.066	30.8
4,4'-DDT	1	7.406	7.376	7.436	0.094	
	2	7.308	7.279	7.339	0.068	32.1
Alachlor	1	6.199	6.168	6.228	0.077	
	2	5.864	5.833	5.893	0.073	5.3
Aldrin	1	6.099	6.070	6.130	0.084	
	2	5.917	5.887	5.947	0.078	7.4
alpha-BHC	1	5.399	5.369	5.429	0.080	
	2	5.248	5.218	5.278	0.077	3.8
alpha-Chlordane	1	6.698	6.668	6.728	0.082	
	2	6.524	6.494	6.554	0.058	34.3
beta-BHC	1	5.651	5.620	5.680	0.079	
	2	5.504	5.473	5.533	0.073	7.9
delta-BHC	1	5.764	5.733	5.793	0.082	
	2	5.680	5.649	5.709	0.074	10.3
Dieldrin	1	6.971	6.941	7.001	0.088	
	2	6.753	6.722	6.782	0.073	18.6
Endosulfan I	1	6.797	6.766	6.826	0.084	
	2	6.559	6.529	6.589	0.063	28.6
Endosulfan II	1	7.309	7.278	7.338	0.080	
	2	7.128	7.096	7.156	0.074	7.8
Endosulfan Sulfate	1	7.965	7.935	7.995	0.074	
	2	7.597	7.567	7.627	0.069	7.0
Endrin	1	7.142	7.111	7.171	0.087	
	2	6.969	6.938	6.998	0.062	33.6
Endrin Aldehyde	1	7.629	7.600	7.660	0.099	
	2	7.381	7.351	7.411	0.10	1.0
Endrin Ketone	1	8.160	8.129	8.189	0.072	
	2	7.995	7.965	8.025	0.073	1.4
gamma-BHC (Lindane)	1	5.596	5.565	5.625	0.078	
	2	5.452	5.422	5.482	0.080	2.5
gamma-Chlordane	1	6.604	6.574	6.634	0.076	
	2	6.423	6.392	6.452	0.059	25.2
Heptachlor	1	5.900	5.870	5.930	0.086	
	2	5.717	5.686	5.746	0.080	7.2
Heptachlor Epoxide	1	6.517	6.486	6.546	0.085	
	2	6.293	6.263	6.323	0.067	23.7
Hexachlorobenzene	1	5.295	5.264	5.324	0.084	
	2	5.167	5.136	5.196	0.082	2.4

IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

SW-846 8081B

Matrix Spike 1279

Lab Sample ID: B346191-MS1 Date(s) Analyzed: 07/21/2023 07/21/2023

Instrument ID (1): ECD2 Instrument ID (2): ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	7.192	7.164	7.224	0.10	
	2	7.070	7.041	7.101	0.12	18.2
4,4'-DDE	1	6.752	6.724	6.784	0.081	
	2	6.650	6.621	6.681	0.12	38.8
4,4'-DDT	1	7.404	7.375	7.435	0.10	
	2	7.304	7.276	7.336	0.099	1.0
Alachlor	1	6.195	6.167	6.227	0.14	
	2	5.861	5.832	5.892	0.15	6.9
Aldrin	1	6.096	6.068	6.128	0.098	
	2	5.914	5.884	5.944	0.099	1.0
alpha-BHC	1	5.397	5.368	5.428	0.092	
	2	5.245	5.217	5.277	0.097	5.3
beta-BHC	1	5.648	5.619	5.679	0.11	
	2	5.502	5.472	5.532	0.099	10.5
delta-BHC	1	5.761	5.733	5.793	0.099	
	2	5.676	5.648	5.708	0.10	1.0
Dieldrin	1	6.967	6.939	6.999	0.11	
	2	6.748	6.719	6.779	0.12	8.7
Endosulfan I	1	6.793	6.765	6.825	0.11	
	2	6.555	6.526	6.586	0.10	9.5
Endosulfan II	1	7.306	7.277	7.337	0.11	
	2	7.122	7.094	7.154	0.11	0.0
Endosulfan Sulfate	1	7.962	7.933	7.993	0.10	
	2	7.592	7.563	7.623	0.11	9.5
Endrin	1	7.138	7.110	7.170	0.11	
	2	6.964	6.935	6.995	0.11	0.0
Endrin Aldehyde	1	7.627	7.598	7.658	0.11	
	2	7.378	7.349	7.409	0.11	0.0
Endrin Ketone	1	8.156	8.128	8.188	0.13	
	2	7.989	7.962	8.022	0.12	8.0
gamma-BHC (Lindane)	1	5.593	5.564	5.624	0.096	
	2	5.449	5.421	5.481	0.10	4.1
Heptachlor	1	5.897	5.869	5.929	0.10	
	2	5.713	5.684	5.744	0.10	0.0
Heptachlor Epoxide	1	6.513	6.485	6.545	0.11	
	2	6.289	6.260	6.320	0.11	0.0
Hexachlorobenzene	1	5.292	5.263	5.323	0.11	
	2	5.164	5.135	5.195	0.11	0.0
Methoxychlor	1	7.785	7.757	7.817	0.11	
	2	7.851	7.823	7.883	0.11	0.0

IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

SW-846 8081B

Matrix Spike Dup 1280

Lab Sample ID: B346191-MSD1 Date(s) Analyzed: 07/21/2023 07/21/2023

Instrument ID (1): ECD2 Instrument ID (2): ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	7.192	7.164	7.224	0.097	
	2	7.071	7.041	7.101	0.11	12.6
4,4'-DDE	1	6.752	6.724	6.784	0.076	
	2	6.651	6.621	6.681	0.11	36.6
4,4'-DDT	1	7.403	7.375	7.435	0.10	
	2	7.305	7.276	7.336	0.098	2.0
Alachlor	1	6.195	6.167	6.227	0.13	
	2	5.861	5.832	5.892	0.16	20.7
Aldrin	1	6.096	6.068	6.128	0.091	
	2	5.914	5.884	5.944	0.094	3.2
alpha-BHC	1	5.397	5.368	5.428	0.086	
	2	5.245	5.217	5.277	0.095	8.8
beta-BHC	1	5.648	5.619	5.679	0.10	
	2	5.501	5.472	5.532	0.096	13.6
delta-BHC	1	5.761	5.733	5.793	0.092	
	2	5.676	5.648	5.708	0.097	5.3
Dieldrin	1	6.968	6.939	6.999	0.10	
	2	6.748	6.719	6.779	0.11	9.5
Endosulfan I	1	6.793	6.765	6.825	0.10	
	2	6.555	6.526	6.586	0.097	3.1
Endosulfan II	1	7.305	7.277	7.337	0.10	
	2	7.122	7.094	7.154	0.10	0.0
Endosulfan Sulfate	1	7.962	7.933	7.993	0.094	
	2	7.592	7.563	7.623	0.11	15.7
Endrin	1	7.138	7.110	7.170	0.11	
	2	6.965	6.935	6.995	0.10	9.5
Endrin Aldehyde	1	7.626	7.598	7.658	0.10	
	2	7.379	7.349	7.409	0.11	9.5
Endrin Ketone	1	8.156	8.128	8.188	0.12	
	2	7.989	7.962	8.022	0.11	8.7
gamma-BHC (Lindane)	1	5.593	5.564	5.624	0.088	
	2	5.449	5.421	5.481	0.098	10.8
Heptachlor	1	5.897	5.869	5.929	0.096	
	2	5.713	5.684	5.744	0.10	4.1
Heptachlor Epoxide	1	6.513	6.485	6.545	0.10	
	2	6.289	6.260	6.320	0.11	9.5
Hexachlorobenzene	1	5.293	5.263	5.323	0.10	
	2	5.164	5.135	5.195	0.11	9.5
Methoxychlor	1	7.784	7.757	7.817	0.10	
	2	7.851	7.823	7.883	0.11	9.5

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8082A

Laboratory:	Pace New England	Work Order:	23G1941
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	ECD11	Calibration:	2300844
Lab File ID:	K23E192028.D	Calibration Date:	07/11/23 07:30
Sequence:	S090336	Injection Date:	07/11/23
Lab Sample ID:	S090336-ICV1	Injection Time:	14:35

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)	
Aroclor-1254	A	100	83.1				-16.9	20	
Aroclor-1254 (1)	A	100	80.6	670765.2	540704.5		-19.4	20	
Aroclor-1254 (2)	A	100	79.7	723905.3	577044.9		-20.3	20	*
Aroclor-1254 (3)	A	100	88.2	1128131	995083		-11.8	20	
Aroclor-1254 (4)	A	100	86.6	865167.9	748835.4		-13.4	20	
Aroclor-1254 (5)	A	100	80.6	1191697	960977.4		-19.4	20	
Aroclor-1254 [2C]	A	100	81.1				-18.9	20	
Aroclor-1254 (1) [2C]	A	100	81.4	977804.9	796031.6		-18.6	20	
Aroclor-1254 (2) [2C]	A	100	82.0	875081.7	717429.2		-18.0	20	
Aroclor-1254 (3) [2C]	A	100	83.8	1585104	1328000		-16.2	20	
Aroclor-1254 (4) [2C]	A	100	79.9	1162938	929167.6		-20.1	20	*
Aroclor-1254 (5) [2C]	A	100	78.6	1406574	1105000		-21.4	20	*

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8082A

Laboratory:	Pace New England	Work Order:	23G1941
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	ECD11	Calibration:	2300844
Lab File ID:	K23E192055.D	Calibration Date:	07/11/23 07:30
Sequence:	S090339	Injection Date:	07/11/23
Lab Sample ID:	S090339-ICV1	Injection Time:	20:02

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)	
Aroclor-1232	A	100	96.2				-3.8	20	
Aroclor-1232 (1)	A	100	104	370275.4	384574.2		3.9	20	
Aroclor-1232 (2)	A	100	95.5	124431.9	118780.5		-4.5	20	
Aroclor-1232 (3)	A	100	98.6	376098.4	371000.4		-1.4	20	
Aroclor-1232 (4)	A	100	89.3	142274.5	127029.8		-10.7	20	
Aroclor-1232 (5)	A	100	93.9	197255.1	185262.1		-6.1	20	
Aroclor-1232 [2C]	A	100	91.4				-8.6	20	
Aroclor-1232 (1) [2C]	A	100	104	486519.5	506602.2		4.1	20	
Aroclor-1232 (2) [2C]	A	100	93.4	171691.2	160346		-6.6	20	
Aroclor-1232 (3) [2C]	A	100	84.8	544446.9	461509.5		-15.2	20	
Aroclor-1232 (4) [2C]	A	100	85.1	194278.2	165413		-14.9	20	
Aroclor-1232 (5) [2C]	A	100	89.7	271917.6	243885		-10.3	20	
Aroclor-1268	A	100	107				7.0	20	
Aroclor-1268 (1)	A	100	96.4	2177869	2100000		-3.6	20	
Aroclor-1268 (2)	A	100	100	1937267	1938000		0.02	20	
Aroclor-1268 (3)	A	100	86.0	1867929	1607000		-14.0	20	
Aroclor-1268 (4)	A	100	144	497371.7	716542.4		44.1	20	*
Aroclor-1268 (5)	A	100	108	4707945	5094000		8.2	20	
Aroclor-1268 [2C]	A	100	102				1.6	20	
Aroclor-1268 (1) [2C]	A	100	94.9	3072319	2916000		-5.1	20	
Aroclor-1268 (2) [2C]	A	100	96.8	2769551	2680000		-3.2	20	
Aroclor-1268 (3) [2C]	A	100	85.3	2617057	2231000		-14.7	20	
Aroclor-1268 (4) [2C]	A	100	125	839513.1	1050000		25.0	20	*
Aroclor-1268 (5) [2C]	A	100	106	6733342	7143000		6.1	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8082A

Laboratory:	Pace New England	Work Order:	23G1941
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	ECD11	Calibration:	2300844
Lab File ID:	K23E192064.D	Calibration Date:	07/11/23 07:30
Sequence:	S090341	Injection Date:	07/11/23
Lab Sample ID:	S090341-ICV1	Injection Time:	21:51

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)	
Aroclor-1221	A	100	90.8				-9.2	20	
Aroclor-1221 (1)	A	100	88.4	204615.7	180781.1		-11.6	20	
Aroclor-1221 (2)	A	100	93.1	134330.9	125081		-6.9	20	
Aroclor-1221 (3)	A	100	90.8	481558	437247.6		-9.2	20	
Aroclor-1221 (4)	A	100	0.00					20	
Aroclor-1221 (5)	A	100	0.00					20	
Aroclor-1221 [2C]	A	100	106				6.0	20	
Aroclor-1221 (1) [2C]	A	100	112	282968.9	318105		12.4	20	
Aroclor-1221 (2) [2C]	A	100	91.2	634246.1	578375.6		-8.8	20	
Aroclor-1221 (3) [2C]	A	100	114	34330.58	39256.54		14.3	20	
Aroclor-1221 (4) [2C]	A	100	0.00					20	
Aroclor-1221 (5) [2C]	A	100	0.00					20	
Aroclor-1262	A	100	84.4				-15.6	20	
Aroclor-1262 (1)	A	100	90.3	401876.5	362881.6		-9.7	20	
Aroclor-1262 (2)	A	100	78.5	994532	780297		-21.5	20	*
Aroclor-1262 (3)	A	100	78.5	994532	780297		-21.5	20	*
Aroclor-1262 (4)	A	100	90.2	932482.1	841333.9		-9.8	20	
Aroclor-1262 (5)	A	100	84.7	1971713	1670000		-15.3	20	
Aroclor-1262 [2C]	A	100	85.5				-14.5	20	
Aroclor-1262 (1) [2C]	A	100	88.7	538465.7	477543.4		-11.3	20	
Aroclor-1262 (2) [2C]	A	100	79.9	1134404	906687.7		-20.1	20	*
Aroclor-1262 (3) [2C]	A	100	88.4	1383094	1222000		-11.6	20	
Aroclor-1262 (4) [2C]	A	100	87.6	1319011	1155000		-12.4	20	
Aroclor-1262 (5) [2C]	A	100	82.8	2707410	2243000		-17.2	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

LOW-CONCENTRATION CALIBRATION VERIFICATION

SW-846 6010D

Laboratory: Pace New England
SDG: 23G1941
Client: NYDEC_TRC Engineers, Inc. - New York, NY
Project: 250 Water Street P-site CAT B - CO 147098
Calibration: 2300867
Laboratory ID: S090642-LCV1
Sequence: S090642
Standard ID: 2305770

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Antimony	0.0500	0.0561	12.1	20.00
Barium	0.0500	0.0579	15.9	20.00
Beryllium	0.00400	0.00463	15.8	20.00
Cadmium	0.00400	0.00456	14.0	20.00
Calcium	0.500	0.553	10.6	20.00
Chromium	0.0100	0.0120	19.8	20.00
Cobalt	0.0100	0.0111	11.4	20.00
Copper	0.0100	0.0113	12.6	20.00
Iron	0.0500	0.0525	4.9	20.00
Lead	0.0100	0.0113	12.8	20.00
Magnesium	0.0500	0.0582	16.5	20.00
Manganese	0.0100	0.0115	14.7	20.00
Nickel	0.0100	0.0116	16.2	20.00
Potassium	2.00	2.25	12.4	20.00
Silver	0.0100	0.00888	-11.2	20.00
Sodium	2.00	2.29	14.6	20.00

* Values outside of QC limits

LOW-CONCENTRATION CALIBRATION VERIFICATION

SW-846 6010D

Laboratory: Pace New England
SDG: 23G1941
Client: NYDEC_TRC Engineers, Inc. - New York, NY
Project: 250 Water Street P-site CAT B - CO 147098
Calibration: 2300867
Laboratory ID: S090642-LCV2
Sequence: S090642
Standard ID: 2305097

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Arsenic	0.0100	0.00882	-11.8	20.00
Zinc	0.0100	0.0107	7.5	20.00

* Values outside of QC limits

LOW-CONCENTRATION CALIBRATION VERIFICATION

SW-846 6010D

Laboratory: Pace New England
SDG: 23G1941
Client: NYDEC_TRC Engineers, Inc. - New York, NY
Project: 250 Water Street P-site CAT B - CO 147098
Calibration: 2300867
Laboratory ID: S090642-LCV3
Sequence: S090642
Standard ID: 2306143

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Aluminum	0.0500	0.0587	17.5	20.00

* Values outside of QC limits

LOW-CONCENTRATION CALIBRATION VERIFICATION

SW-846 6010D

Laboratory: Pace New England
SDG: 23G1941
Client: NYDEC_TRC Engineers, Inc. - New York, NY
Project: 250 Water Street P-site CAT B - CO 147098
Calibration: 2300874
Laboratory ID: S090690-LCV1
Sequence: S090690
Standard ID: 2305079

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Aluminum	0.0500	0.0596	19.2	20.00
Antimony	0.0500	0.0468	-6.4	20.00
Arsenic	0.0100	0.0102	2.2	20.00
Barium	0.0500	0.0571	14.2	20.00
Cadmium	0.00400	0.00477	19.1	20.00
Calcium	0.500	0.564	12.9	20.00
Chromium	0.0100	0.0111	11.5	20.00
Cobalt	0.0100	0.0112	11.5	20.00
Iron	0.0500	0.0493	-1.4	20.00
Lead	0.0100	0.0117	16.8	20.00
Magnesium	0.0500	0.0571	14.1	20.00
Manganese	0.0100	0.0110	10.3	20.00
Nickel	0.0100	0.0116	16.0	20.00
Potassium	2.00	2.29	14.4	20.00
Selenium	0.0500	0.0594	18.8	20.00
Silver	0.0100	0.0102	1.6	20.00
Sodium	2.00	2.25	12.5	20.00
Thallium	0.0500	0.0484	-3.1	20.00

* Values outside of QC limits

LOW-CONCENTRATION CALIBRATION VERIFICATION

SW-846 6010D

Laboratory: Pace New England
SDG: 23G1941
Client: NYDEC_TRC Engineers, Inc. - New York, NY
Project: 250 Water Street P-site CAT B - CO 147098
Calibration: 2300897
Laboratory ID: S090896-LCV1
Sequence: S090896
Standard ID: 2305079

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Antimony	0.0500	0.0451	-9.8	20.00
Barium	0.0500	0.0513	2.6	20.00
Beryllium	0.00400	0.00430	7.4	20.00
Cadmium	0.00400	0.00419	4.7	20.00
Calcium	0.500	0.498	-0.4	20.00
Chromium	0.0100	0.00852	-14.8	20.00
Cobalt	0.0100	0.0101	0.6	20.00
Copper	0.0100	0.00964	-3.6	20.00
Iron	0.0500	0.0517	3.4	20.00
Manganese	0.0100	0.0100	0.09	20.00
Nickel	0.0100	0.0103	2.7	20.00
Potassium	2.00	1.85	-7.3	20.00
Selenium	0.0500	0.0500	0.08	20.00
Sodium	2.00	1.89	-5.7	20.00
Thallium	0.0500	0.0520	4.0	20.00
Vanadium	0.0100	0.0115	15.4	20.00

* Values outside of QC limits

FORM 3 - Blank Summary

SW-846 6010D

Laboratory:	Pace New England	Work Order:	23G1941
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	ICP2	Calibration:	2300867
Sequence:	S090648		

Lab Sample ID	Analyte	Found	Units	RL	C
S090648-CCB3	Copper		mg/L	0.020	U
	Iron		mg/L	0.50	U
	Lead		mg/L	0.015	U
	Magnesium		mg/L	0.50	U
	Manganese		mg/L	0.010	U
	Nickel		mg/L	0.020	U
	Potassium		mg/L	5.0	U
	Silver		mg/L	0.010	U
	Sodium		mg/L	5.0	U
	Zinc		mg/L	0.020	U
S090648-CCB4	Aluminum		mg/L	0.50	U
	Antimony		mg/L	0.050	U
	Arsenic		mg/L	0.10	U
	Barium		mg/L	0.050	U
	Beryllium		mg/L	0.0050	U
	Cadmium		mg/L	0.010	U
	Calcium		mg/L	0.50	U
	Chromium		mg/L	0.020	U
	Cobalt		mg/L	0.050	U
	Copper		mg/L	0.020	U
	Iron		mg/L	0.50	U
	Lead		mg/L	0.015	U
	Magnesium		mg/L	0.50	U
	Manganese		mg/L	0.010	U
	Nickel		mg/L	0.020	U
	Silver	0.0053	mg/L	0.010	
	Sodium		mg/L	5.0	U
	Zinc		mg/L	0.020	U

INTERFERENCE CHECK SAMPLE

SW-846 6010D

Laboratory:	Pace New England	Work Order:	23G1941
Client:	NYDEC_TRC Engineers, Inc. - New York, N	Project:	250 Water Street P-site CAT B - CO 1470
Instrument ID:	ICP2	Calibration:	2300867
Sequence:	S090648		

Lab Sample ID	Analyte	RL	True	Found	%R	Units
S090648-IFA1	Aluminum	0.50	250	258.35	103	mg/L
	Antimony	0.050		0.00		mg/L
	Arsenic	0.10		0.04		mg/L
	Barium	0.050		0.00		mg/L
	Beryllium	0.0050		0.00		mg/L
	Cadmium	0.010		0.00		mg/L
	Calcium	0.50	250	242.22	96.9	mg/L
	Chromium	0.020		0.00		mg/L
	Cobalt	0.050		0.00		mg/L
	Copper	0.020		0.00		mg/L
	Iron	0.50	100	102.57	103	mg/L
	Lead	0.015		0.00		mg/L
	Magnesium	0.50	250	229.33	91.7	mg/L
	Manganese	0.010		0.01		mg/L
	Nickel	0.020		0.01		mg/L
	Potassium	5.0		-0.03		mg/L
	Silver	0.010		0.01		mg/L
	Sodium	5.0		0.05		mg/L
	Zinc	0.020		-0.01		mg/L
S090648-IFB1	Aluminum	0.50	250	255.17	102	mg/L
	Antimony	0.050	1.20	1.21	101	mg/L
	Arsenic	0.10	0.200	0.24	118	mg/L
	Barium	0.050	1.00	1.03	103	mg/L
	Beryllium	0.0050	1.00	1.02	102	mg/L
	Cadmium	0.010	2.00	2.06	103	mg/L
	Calcium	0.50	250	239.94	96.0	mg/L
	Chromium	0.020	1.00	1.00	100	mg/L
	Cobalt	0.050	1.00	0.97	97.1	mg/L
	Copper	0.020	1.00	1.04	104	mg/L
	Iron	0.50	100	102.22	102	mg/L
	Lead	0.015	0.100	0.10	98.7	mg/L
	Magnesium	0.50	250	227.83	91.1	mg/L
	Manganese	0.010	1.00	1.01	101	mg/L
	Nickel	0.020	2.00	1.95	97.5	mg/L
	Potassium	5.0		0.01		mg/L

INTERFERENCE CHECK SAMPLE

SW-846 6010D

Laboratory:	Pace New England	Work Order:	23G1941
Client:	NYDEC_TRC Engineers, Inc. - New York, N	Project:	250 Water Street P-site CAT B - CO 1470
Instrument ID:	ICP2	Calibration:	2300867
Sequence:	S090648		

Lab Sample ID	Analyte	RL	True	Found	%R	Units
S090648-IFB1	Silver	0.010	0.400	0.47	118	mg/L
	Sodium	5.0		0.05		mg/L
	Zinc	0.020	2.00	1.95	97.7	mg/L
S090648-IFA2	Aluminum	0.50	250	266.48	107	mg/L
	Antimony	0.050		-0.01		mg/L
	Arsenic	0.10		0.03		mg/L
	Barium	0.050		0.00		mg/L
	Beryllium	0.0050		0.00		mg/L
	Cadmium	0.010		0.00		mg/L
	Calcium	0.50	250	233.09	93.2	mg/L
	Chromium	0.020		0.00		mg/L
	Cobalt	0.050		0.00		mg/L
	Copper	0.020		0.00		mg/L
	Iron	0.50	100	92.99	93.0	mg/L
	Lead	0.015		0.00		mg/L
	Magnesium	0.50	250	216.37	86.5	mg/L
	Manganese	0.010		0.00		mg/L
	Nickel	0.020		0.01		mg/L
	Potassium	5.0		-0.01		mg/L
	Silver	0.010		0.01		mg/L
	Sodium	5.0		0.06		mg/L
	Zinc	0.020		0.00		mg/L
S090648-IFB2	Aluminum	0.50	250	265.42	106	mg/L
	Antimony	0.050	1.20	1.21	101	mg/L
	Arsenic	0.10	0.200	0.23	116	mg/L
	Barium	0.050	1.00	1.02	102	mg/L
	Beryllium	0.0050	1.00	0.99	99.4	mg/L
	Cadmium	0.010	2.00	2.05	102	mg/L
	Calcium	0.50	250	232.81	93.1	mg/L
	Chromium	0.020	1.00	1.00	99.6	mg/L
	Cobalt	0.050	1.00	0.97	96.6	mg/L
	Copper	0.020	1.00	1.05	105	mg/L
	Iron	0.50	100	90.98	91.0	mg/L
	Lead	0.015	0.100	0.10	102	mg/L
	Magnesium	0.50	250	215.15	86.1	mg/L

INTERFERENCE CHECK SAMPLE

SW-846 6010D

Laboratory:	Pace New England	Work Order:	23G1941
Client:	NYDEC_TRC Engineers, Inc. - New York, N	Project:	250 Water Street P-site CAT B - CO 14709
Instrument ID:	ICP2	Calibration:	2300867
Sequence:	S090648		

Lab Sample ID	Analyte	RL	True	Found	%R	Units
S090648-IFB2	Manganese	0.010	1.00	0.92	92.2	mg/L
	Nickel	0.020	2.00	1.93	96.5	mg/L
	Potassium	5.0		0.02		mg/L
	Silver	0.010	0.400	0.47	117	mg/L
	Sodium	5.0		0.06		mg/L
	Zinc	0.020	2.00	1.94	96.8	mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

250WATERST-SB108-SS(2-4)

Laboratory:	Pace New England	Work Order:	23G1941
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Soil	Analysis:	SW-846 7471B
Batch:	B346580	Preparation:	SW-846 7471
% Solids:	88.88	Laboratory ID:	B346580-MS1
Column:		Sample Lab ID:	23G1941-04

ANALYTE	SPIKE ADDED (mg/Kg dry)	SAMPLE CONCENTRATION (mg/Kg dry)	MS CONCENTRATION (mg/Kg dry)	MS % REC.		QC LIMITS REC.
Mercury	0.382	0.385	0.881 MS-12	130	N	80 - 120

ANALYTE	SPIKE ADDED (mg/Kg dry)	MSD CONCENTRATION (mg/Kg dry)	MSD % REC. #		% RPD		QC LIMITS RPD	QC LIMITS REC.
Mercury	0.385	1.05 MS-12	172	N	17.2	N	20	80 - 120

Data Usability Summary Report

Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

250 Water St., Manhattan, NY
Pace/Con-test SDG#23G1942
December 12, 2023
Sampling date: 7/14/2023

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for TRC Engineers, Inc., project located at 250 Water St., Manhattan, NY, Pace/Con-test #23G1942 submitted to Vali-Data of WNY, LLC on October 10, 2023. This DUSR has been prepared in general compliance with USEPA National Functional Guidelines(NFG), NYSDEC; 'Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS)' (4/2023) and NYSDEC Analytical Services Protocols. The laboratory performed the analyses using the USEPA method Perfluorinated Hydrocarbons (1633 (12/2022)) and in accordance with wet chemistry methods.

ID	Sample ID	Laboratory ID
1	250WATERST-SB111-SS(2-4)	23G1942-01
2	250WATERST-SB111-SS(8-10)	23G1942-02
3	250WATERST-SB111-SS(24-24)	23G1942-03
4	250WATERST-SB108-SS(2-4)	23G1942-04
5	250WATERST-SB108-SS(11-13)	23G1942-05
6	250WATERST-SB112-SS(2-4)	23G1942-06
7	250WATERST-SB112-SS(8-10)	23G1942-07
8	250WATERST-SS-DUP-20230714	23G1942-08

PFAA

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS)
- Surrogate Spike Recoveries
- Blanks
- Field Duplicate Sample Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Surrogate Spike Recoveries.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except several surrogates were outside QC limits in the samples and should be qualified as estimated. Associated target analytes in these samples should be qualified as estimated.

Surrogate	Qualifier	Associated Sample
D3-NMeFOSA (<10%)	R	2, 8
D5-NEtFOSA (<10%)	R	2, 4, 6, 8
D3-NMeFOSA	UJ	1, 3, 4, 6
D5-NEtFOSA	UJ	1, 3, 5
D7-NMeFOSE	UJ	1, 2, 4, 6, 8
D9-NEtFOSE (<10%)	R	2
D9-NEtFOSE	UJ	1, 3, 4, 6, 8

BLANKS
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All the criteria were met except PFPeA and PFBS were detected in DUSR ID#8 but were not detected in #1. NMeFOSAA was detected in DUSR ID#1 but was not detected in #8.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All the criteria were met.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.

CONTINUING CALIBRATION
All criteria were met.

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

Draft Method 1633

Qualifications:

PF-18

Duplicate analysis confirmed Extracted Internal Standard failure due to matrix effects.

Analyte & Samples(s) Qualified:

D3-NMeFOSA
23G1942-02RE1[250WATERST-SB111-SS(8-10)], 23G1942-08RE1[250WATERST-SS-DUP-20230714]

D5-NEtFOSA
23G1942-02RE1[250WATERST-SB111-SS(8-10)], 23G1942-04RE1[250WATERST-SB108-SS(2-4)], 23G1942-06RE1[250WATERST-SB112-SS(2-4)], 23G1942-08RE1[250WATERST-SS-DUP-20230714]

N-ethyl perfluorooctanesulfonamide (NEtFOSA)
23G1942-02RE1[250WATERST-SB111-SS(8-10)], 23G1942-04RE1[250WATERST-SB108-SS(2-4)], 23G1942-06RE1[250WATERST-SB112-SS(2-4)], 23G1942-08RE1[250WATERST-SS-DUP-20230714]

N-methyl perfluoroocatnesulfonamide (NMeFOSA)
23G1942-02RE1[250WATERST-SB111-SS(8-10)], 23G1942-08RE1[250WATERST-SS-DUP-20230714]

S-29

Extracted Internal Standard is outside of control limits.

Analyte & Samples(s) Qualified:

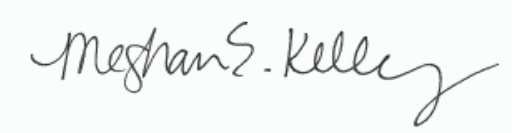
13C2-4:2FTS
23G1942-05RE1[250WATERST-SB108-SS(11-13)]

1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FT
23G1942-05RE1[250WATERST-SB108-SS(11-13)]

D9-NEtFOSE
23G1942-02RE1[250WATERST-SB111-SS(8-10)]

N-ethylperfluorooctanesulfonamidoethanol (NEtFO
23G1942-02RE1[250WATERST-SB111-SS(8-10)]

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Meghan E. Kelley
Reporting Specialist

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1942

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB111-SS(2-4) Sampled: 7/14/2023 08:15

Sample ID: 23G1942-01

Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	0.79	0.14	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:11	AMS
Perfluoropentanoic acid (PFPeA)	ND	0.40	0.026	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:11	AMS
Perfluorohexanoic acid (PFHxA)	ND	0.20	0.013	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:11	AMS
Perfluoroheptanoic acid (PFHpA)	ND	0.20	0.015	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:11	AMS
Perfluorooctanoic acid (PFOA)	0.034	0.20	0.029	µg/kg dry	1	J	Draft Method 1633	7/21/23	7/24/23 21:11	AMS
Perfluorononanoic acid (PFNA)	0.48	0.20	0.026	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:11	AMS
Perfluorodecanoic acid (PFDA)	0.055	0.20	0.018	µg/kg dry	1	J	Draft Method 1633	7/21/23	7/24/23 21:11	AMS
Perfluoroundecanoic acid (PFUnA)	0.28	0.20	0.020	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:11	AMS
Perfluorododecanoic acid (PFDoA)	ND	0.20	0.022	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:11	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	0.20	0.027	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:11	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	0.20	0.018	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:11	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	0.20	0.020	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:11	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	0.20	0.029	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:11	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	0.20	0.025	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:11	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.20	0.022	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:11	AMS
Perfluorooctanesulfonic acid (PFOS)	0.19	0.20	0.035	µg/kg dry	1	J	Draft Method 1633	7/21/23	7/24/23 21:11	AMS
Perfluorononanesulfonic acid (PFNS)	ND	0.20	0.030	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:11	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	0.20	0.044	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:11	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	0.20	0.021	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:11	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	0.79	0.074	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:11	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	0.79	0.081	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:11	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	0.79	0.074	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:11	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	0.20	0.10	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:11	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	0.20	0.020	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:11	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.20	0.028	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:11	AMS
N-MeFOSAA (NMeFOSAA)	0.049	0.20	0.028	µg/kg dry	1	J	Draft Method 1633	7/21/23	7/24/23 21:11	AMS
N-EtFOSAA (NEtFOSAA)	0.069	0.20	0.042	µg/kg dry	1	J	Draft Method 1633	7/21/23	7/24/23 21:11	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	2.0	0.15	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:11	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	2.0	0.17	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:11	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	0.79	0.065	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:11	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	0.79	0.080	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:11	AMS
9Cl-PF3ONS (F53B Minor)	ND	0.79	0.076	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:11	AMS
11Cl-PF3OUdS (F53B Major)	ND	0.79	0.10	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:11	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	2.0	0.17	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:11	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	9.9	1.2	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:11	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	9.9	0.97	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:11	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	0.40	0.020	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:11	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	0.40	0.042	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:11	AMS

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1942

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB111-SS(2-4) Sampled: 7/14/2023 08:15

Sample ID: 23G1942-01

Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	0.40	0.031	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:11	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	0.40	0.040	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:11	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C4-PFBA	85.0	10-130		7/24/23 21:11
13C5-PFPeA	80.8	35-150		7/24/23 21:11
13C5-PFHxA	84.6	55-150		7/24/23 21:11
13C4-PFHpA	81.7	55-150		7/24/23 21:11
13C8-PFOA	86.6	60-140		7/24/23 21:11
13C9-PFNA	80.4	55-140		7/24/23 21:11
13C6-PFDA	83.6	50-140		7/24/23 21:11
13C7-PFUnA	81.4	30-140		7/24/23 21:11
13C2-PFDoA	83.6	10-150		7/24/23 21:11
13C2-PFTeDA	69.2	10-130		7/24/23 21:11
13C3-PFBS	83.8	55-150		7/24/23 21:11
13C3-PFHxS	82.3	55-150		7/24/23 21:11
13C8-PFOS	80.7	45-140		7/24/23 21:11
13C2-4:2FTS	62.7	60-200		7/24/23 21:11
13C2-6:2FTS	77.1	60-200		7/24/23 21:11
13C2-8:2FTS	72.4	50-200		7/24/23 21:11
13C8-PFOSA	73.8	30-130		7/24/23 21:11
D3-NMeFOSA	23.5	15-130		7/24/23 21:11
D5-NEtFOSA	13.5	10-130		7/24/23 21:11
D3-NMeFOSAA	76.6	45-200		7/24/23 21:11
D5-NEtFOSAA	70.4	10-200		7/24/23 21:11
D7-NMeFOSE	39.5	10-150		7/24/23 21:11
D9-NEtFOSE	36.4	10-150		7/24/23 21:11
13C3-HFPO-DA	88.2	25-160		7/24/23 21:11

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1942

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB111-SS(2-4) Sampled: 7/14/2023 08:15

Sample ID: 23G1942-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.2		% Wt	1		SM 2540G	7/17/23	7/18/23 8:38	ADB

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1942

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB111-SS(8-10) Sampled: 7/14/2023 09:00

Sample ID: 23G1942-02

Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	0.81	0.15	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:26	AMS
Perfluoropentanoic acid (PFPeA)	0.044	0.40	0.026	µg/kg dry	1	J	Draft Method 1633	7/21/23	7/24/23 21:26	AMS
Perfluorohexanoic acid (PFHxA)	ND	0.20	0.014	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:26	AMS
Perfluoroheptanoic acid (PFHpA)	ND	0.20	0.015	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:26	AMS
Perfluorooctanoic acid (PFOA)	ND	0.20	0.029	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:26	AMS
Perfluorononanoic acid (PFNA)	0.11	0.20	0.026	µg/kg dry	1	J	Draft Method 1633	7/21/23	7/24/23 21:26	AMS
Perfluorodecanoic acid (PFDA)	ND	0.20	0.019	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:26	AMS
Perfluoroundecanoic acid (PFUnA)	ND	0.20	0.021	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:26	AMS
Perfluorododecanoic acid (PFDoA)	ND	0.20	0.022	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:26	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	0.20	0.027	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:26	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	0.20	0.019	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:26	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	0.20	0.020	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:26	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	0.20	0.030	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:26	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	0.20	0.025	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:26	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.20	0.023	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:26	AMS
Perfluorooctanesulfonic acid (PFOS)	0.13	0.20	0.036	µg/kg dry	1	J	Draft Method 1633	7/21/23	7/24/23 21:26	AMS
Perfluorononanesulfonic acid (PFNS)	ND	0.20	0.030	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:26	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	0.20	0.045	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:26	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	0.20	0.022	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:26	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	0.81	0.075	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:26	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	0.81	0.083	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:26	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	0.81	0.075	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:26	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	0.20	0.11	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:26	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	0.20	0.021	µg/kg dry	1	PF-18	Draft Method 1633	7/21/23	7/24/23 21:26	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.20	0.028	µg/kg dry	1	PF-18	Draft Method 1633	7/21/23	7/24/23 21:26	AMS
N-MeFOSAA (NMeFOSAA)	ND	0.20	0.028	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:26	AMS
N-EtFOSAA (NEtFOSAA)	0.045	0.20	0.042	µg/kg dry	1	J	Draft Method 1633	7/21/23	7/24/23 21:26	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	2.0	0.16	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:26	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	2.0	0.17	µg/kg dry	1	S-29	Draft Method 1633	7/21/23	7/24/23 21:26	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	0.81	0.066	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:26	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	0.81	0.082	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:26	AMS
9Cl-PF3ONS (F53B Minor)	ND	0.81	0.078	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:26	AMS
11Cl-PF3OUdS (F53B Major)	ND	0.81	0.11	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:26	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	2.0	0.17	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:26	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	10	1.2	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:26	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	10	0.98	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:26	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	0.40	0.020	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:26	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	0.40	0.042	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:26	AMS

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1942

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB111-SS(8-10) Sampled: 7/14/2023 09:00

Sample ID: 23G1942-02

Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	0.40	0.031	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:26	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	0.40	0.041	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:26	AMS

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
13C4-PFBA	77.4		10-130		7/24/23 21:26
13C5-PFPeA	73.3		35-150		7/24/23 21:26
13C5-PFHxA	77.4		55-150		7/24/23 21:26
13C4-PFHpA	79.6		55-150		7/24/23 21:26
13C8-PFOA	76.3		60-140		7/24/23 21:26
13C9-PFNA	75.6		55-140		7/24/23 21:26
13C6-PFDA	77.5		50-140		7/24/23 21:26
13C7-PFUnA	79.1		30-140		7/24/23 21:26
13C2-PFDoA	76.6		10-150		7/24/23 21:26
13C2-PFTeDA	55.4		10-130		7/24/23 21:26
13C3-PFBS	77.8		55-150		7/24/23 21:26
13C3-PFHxS	78.0		55-150		7/24/23 21:26
13C8-PFOS	75.3		45-140		7/24/23 21:26
13C2-4:2FTS	78.2		60-200		7/24/23 21:26
13C2-6:2FTS	94.0		60-200		7/24/23 21:26
13C2-8:2FTS	99.0		50-200		7/24/23 21:26
13C8-PFOSA	50.0		30-130		7/24/23 21:26
D3-NMeFOSA	**0.806**	*	15-130	PF-18	7/24/23 21:26
D5-NEtFOSA	**0.630**	*	10-130	PF-18	7/24/23 21:26
D3-NMeFOSAA	70.5		45-200		7/24/23 21:26
D5-NEtFOSAA	68.1		10-200		7/24/23 21:26
D7-NMeFOSE	12.0		10-150		7/24/23 21:26
D9-NEtFOSE	**9.32**	*	10-150	S-29	7/24/23 21:26
13C3-HFPO-DA	82.7		25-160		7/24/23 21:26

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1942

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB111-SS(8-10) Sampled: 7/14/2023 09:00

Sample ID: 23G1942-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	65.6		% Wt	1		SM 2540G	7/17/23	7/18/23 8:38	ADB

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1942

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB111-SS(22-24) Sampled: 7/14/2023 09:15

Sample ID: 23G1942-03

Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	0.80	0.14	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:42	AMS
Perfluoropentanoic acid (PFPeA)	0.030	0.40	0.026	µg/kg dry	1	J	Draft Method 1633	7/21/23	7/24/23 21:42	AMS
Perfluorohexanoic acid (PFHxA)	ND	0.20	0.014	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:42	AMS
Perfluoroheptanoic acid (PFHpA)	ND	0.20	0.015	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:42	AMS
Perfluorooctanoic acid (PFOA)	ND	0.20	0.029	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:42	AMS
Perfluorononanoic acid (PFNA)	ND	0.20	0.026	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:42	AMS
Perfluorodecanoic acid (PFDA)	ND	0.20	0.019	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:42	AMS
Perfluoroundecanoic acid (PFUnA)	ND	0.20	0.020	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:42	AMS
Perfluorododecanoic acid (PFDoA)	ND	0.20	0.022	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:42	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	0.20	0.027	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:42	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	0.20	0.018	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:42	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	0.20	0.020	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:42	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	0.20	0.030	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:42	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	0.20	0.025	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:42	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.20	0.022	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:42	AMS
Perfluorooctanesulfonic acid (PFOS)	ND	0.20	0.036	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:42	AMS
Perfluorononanesulfonic acid (PFNS)	ND	0.20	0.030	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:42	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	0.20	0.045	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:42	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	0.20	0.021	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:42	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	0.80	0.075	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:42	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	0.80	0.082	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:42	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	0.80	0.074	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:42	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	0.20	0.11	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:42	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	0.20	0.021	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:42	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.20	0.028	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:42	AMS
N-MeFOSAA (NMeFOSAA)	ND	0.20	0.028	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:42	AMS
N-EtFOSAA (NEtFOSAA)	ND	0.20	0.042	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:42	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	2.0	0.16	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:42	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	2.0	0.17	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:42	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	0.80	0.066	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:42	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	0.80	0.081	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:42	AMS
9Cl-PF3ONS (F53B Minor)	ND	0.80	0.077	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:42	AMS
11Cl-PF3OUdS (F53B Major)	ND	0.80	0.11	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:42	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	2.0	0.17	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:42	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	10	1.2	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:42	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	10	0.98	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:42	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	0.40	0.020	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:42	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	0.40	0.042	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:42	AMS

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1942

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB111-SS(22-24) Sampled: 7/14/2023 09:15

Sample ID: 23G1942-03

Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	0.40	0.031	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:42	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	0.40	0.041	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:42	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C4-PFBA	88.0	10-130		7/24/23 21:42
13C5-PFPeA	86.5	35-150		7/24/23 21:42
13C5-PFHxA	91.7	55-150		7/24/23 21:42
13C4-PFHpA	89.0	55-150		7/24/23 21:42
13C8-PFOA	85.3	60-140		7/24/23 21:42
13C9-PFNA	85.6	55-140		7/24/23 21:42
13C6-PFDA	85.5	50-140		7/24/23 21:42
13C7-PFUnA	84.1	30-140		7/24/23 21:42
13C2-PFDoA	82.5	10-150		7/24/23 21:42
13C2-PFTeDA	76.1	10-130		7/24/23 21:42
13C3-PFBS	89.4	55-150		7/24/23 21:42
13C3-PFHxS	86.5	55-150		7/24/23 21:42
13C8-PFOS	84.9	45-140		7/24/23 21:42
13C2-4:2FTS	65.3	60-200		7/24/23 21:42
13C2-6:2FTS	75.0	60-200		7/24/23 21:42
13C2-8:2FTS	69.9	50-200		7/24/23 21:42
13C8-PFOSA	81.8	30-130		7/24/23 21:42
D3-NMeFOSA	29.1	15-130		7/24/23 21:42
D5-NEtFOSA	12.1	10-130		7/24/23 21:42
D3-NMeFOSAA	83.9	45-200		7/24/23 21:42
D5-NEtFOSAA	77.2	10-200		7/24/23 21:42
D7-NMeFOSE	50.2	10-150		7/24/23 21:42
D9-NEtFOSE	43.4	10-150		7/24/23 21:42
13C3-HFPO-DA	101	25-160		7/24/23 21:42

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1942

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB111-SS(22-24) Sampled: 7/14/2023 09:15

Sample ID: 23G1942-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.0		% Wt	1		SM 2540G	7/17/23	7/18/23 8:38	ADB

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1942

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB108-SS(2-4) Sampled: 7/14/2023 10:45

Sample ID: 23G1942-04

Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	0.80	0.14	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:58	AMS
Perfluoropentanoic acid (PFPeA)	0.054	0.40	0.026	µg/kg dry	1	J	Draft Method 1633	7/21/23	7/24/23 21:58	AMS
Perfluorohexanoic acid (PFHxA)	0.022	0.20	0.014	µg/kg dry	1	J	Draft Method 1633	7/21/23	7/24/23 21:58	AMS
Perfluoroheptanoic acid (PFHpA)	ND	0.20	0.015	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:58	AMS
Perfluorooctanoic acid (PFOA)	0.093	0.20	0.029	µg/kg dry	1	J	Draft Method 1633	7/21/23	7/24/23 21:58	AMS
Perfluorononanoic acid (PFNA)	0.030	0.20	0.026	µg/kg dry	1	J	Draft Method 1633	7/21/23	7/24/23 21:58	AMS
Perfluorodecanoic acid (PFDA)	0.025	0.20	0.019	µg/kg dry	1	J	Draft Method 1633	7/21/23	7/24/23 21:58	AMS
Perfluoroundecanoic acid (PFUnA)	ND	0.20	0.020	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:58	AMS
Perfluorododecanoic acid (PFDoA)	ND	0.20	0.022	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:58	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	0.20	0.027	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:58	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	0.20	0.018	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:58	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	0.20	0.020	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:58	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	0.20	0.030	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:58	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	0.20	0.025	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:58	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.20	0.022	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:58	AMS
Perfluorooctanesulfonic acid (PFOS)	0.29	0.20	0.036	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:58	AMS
Perfluorononanesulfonic acid (PFNS)	ND	0.20	0.030	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:58	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	0.20	0.045	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:58	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	0.20	0.021	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:58	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	0.80	0.075	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:58	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	0.80	0.082	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:58	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	0.80	0.074	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:58	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	0.20	0.10	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:58	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	0.20	0.021	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:58	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.20	0.028	µg/kg dry	1	PF-18	Draft Method 1633	7/21/23	7/24/23 21:58	AMS
N-MeFOSAA (NMeFOSAA)	ND	0.20	0.028	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:58	AMS
N-EtFOSAA (NEtFOSAA)	ND	0.20	0.042	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:58	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	2.0	0.15	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:58	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	2.0	0.17	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:58	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	0.80	0.065	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:58	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	0.80	0.081	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:58	AMS
9Cl-PF3ONS (F53B Minor)	ND	0.80	0.077	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:58	AMS
11Cl-PF3OUdS (F53B Major)	ND	0.80	0.10	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:58	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	2.0	0.17	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:58	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	10	1.2	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:58	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	10	0.97	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:58	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	0.40	0.020	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:58	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	0.40	0.042	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:58	AMS

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1942

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB108-SS(2-4) Sampled: 7/14/2023 10:45

Sample ID: 23G1942-04

Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	0.40	0.031	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:58	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	0.40	0.040	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 21:58	AMS

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
13C4-PFBA	86.2		10-130		7/24/23 21:58
13C5-PFPeA	85.3		35-150		7/24/23 21:58
13C5-PFHxA	88.6		55-150		7/24/23 21:58
13C4-PFHpA	84.7		55-150		7/24/23 21:58
13C8-PFOA	84.8		60-140		7/24/23 21:58
13C9-PFNA	82.6		55-140		7/24/23 21:58
13C6-PFDA	85.4		50-140		7/24/23 21:58
13C7-PFUnA	82.9		30-140		7/24/23 21:58
13C2-PFDoA	80.1		10-150		7/24/23 21:58
13C2-PFTeDA	73.1		10-130		7/24/23 21:58
13C3-PFBS	85.3		55-150		7/24/23 21:58
13C3-PFHxS	85.0		55-150		7/24/23 21:58
13C8-PFOS	84.8		45-140		7/24/23 21:58
13C2-4:2FTS	63.4		60-200		7/24/23 21:58
13C2-6:2FTS	76.7		60-200		7/24/23 21:58
13C2-8:2FTS	67.4		50-200		7/24/23 21:58
13C8-PFOSA	79.5		30-130		7/24/23 21:58
D3-NMeFOSA	22.8		15-130		7/24/23 21:58
D5-NEtFOSA	**6.93**	*	10-130	PF-18	7/24/23 21:58
D3-NMeFOSAA	81.2		45-200		7/24/23 21:58
D5-NEtFOSAA	74.3		10-200		7/24/23 21:58
D7-NMeFOSE	35.4		10-150		7/24/23 21:58
D9-NEtFOSE	29.1		10-150		7/24/23 21:58
13C3-HFPO-DA	97.1		25-160		7/24/23 21:58

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1942

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB108-SS(2-4) Sampled: 7/14/2023 10:45

Sample ID: 23G1942-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.0		% Wt	1		SM 2540G	7/17/23	7/18/23 8:38	ADB

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1942

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB108-SS(11-13) Sampled: 7/14/2023 11:15

Sample ID: 23G1942-05

Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	0.81	0.15	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 22:13	AMS
Perfluoropentanoic acid (PFPeA)	0.035	0.41	0.027	µg/kg dry	1	J	Draft Method 1633	7/21/23	7/24/23 22:13	AMS
Perfluorohexanoic acid (PFHxA)	0.015	0.20	0.014	µg/kg dry	1	J	Draft Method 1633	7/21/23	7/24/23 22:13	AMS
Perfluoroheptanoic acid (PFHpA)	ND	0.20	0.015	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 22:13	AMS
Perfluorooctanoic acid (PFOA)	0.038	0.20	0.029	µg/kg dry	1	J	Draft Method 1633	7/21/23	7/24/23 22:13	AMS
Perfluorononanoic acid (PFNA)	ND	0.20	0.026	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 22:13	AMS
Perfluorodecanoic acid (PFDA)	0.029	0.20	0.019	µg/kg dry	1	J	Draft Method 1633	7/21/23	7/24/23 22:13	AMS
Perfluoroundecanoic acid (PFUnA)	ND	0.20	0.021	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 22:13	AMS
Perfluorododecanoic acid (PFDoA)	ND	0.20	0.022	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 22:13	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	0.20	0.027	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 22:13	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	0.20	0.019	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 22:13	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	0.20	0.020	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 22:13	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	0.20	0.030	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 22:13	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	0.20	0.025	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 22:13	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.20	0.023	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 22:13	AMS
Perfluorooctanesulfonic acid (PFOS)	0.46	0.20	0.036	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 22:13	AMS
Perfluorononanesulfonic acid (PFNS)	ND	0.20	0.030	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 22:13	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	0.20	0.046	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 22:13	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	0.20	0.022	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 22:13	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	0.81	0.076	µg/kg dry	1	S-29	Draft Method 1633	7/21/23	7/24/23 22:13	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	0.81	0.083	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 22:13	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	0.81	0.076	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 22:13	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	0.20	0.11	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 22:13	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	0.20	0.021	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 22:13	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.20	0.028	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 22:13	AMS
N-MeFOSAA (NMeFOSAA)	ND	0.20	0.028	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 22:13	AMS
N-EtFOSAA (NEtFOSAA)	0.13	0.20	0.043	µg/kg dry	1	J	Draft Method 1633	7/21/23	7/24/23 22:13	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	2.0	0.16	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 22:13	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	2.0	0.18	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 22:13	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	0.81	0.067	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 22:13	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	0.81	0.082	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 22:13	AMS
9Cl-PF3ONS (F53B Minor)	ND	0.81	0.078	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 22:13	AMS
11Cl-PF3OUdS (F53B Major)	ND	0.81	0.11	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 22:13	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	2.0	0.17	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 22:13	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	10	1.2	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 22:13	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	10	0.99	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 22:13	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	0.41	0.020	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 22:13	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	0.41	0.043	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 22:13	AMS

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1942

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB108-SS(11-13) Sampled: 7/14/2023 11:15

Sample ID: 23G1942-05

Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	0.41	0.032	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 22:13	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	0.41	0.041	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 22:13	AMS

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
13C4-PFBA	84.3		10-130		7/24/23 22:13
13C5-PFPeA	81.6		35-150		7/24/23 22:13
13C5-PFHxA	83.6		55-150		7/24/23 22:13
13C4-PFHpA	81.2		55-150		7/24/23 22:13
13C8-PFOA	82.2		60-140		7/24/23 22:13
13C9-PFNA	81.9		55-140		7/24/23 22:13
13C6-PFDA	86.2		50-140		7/24/23 22:13
13C7-PFUnA	82.9		30-140		7/24/23 22:13
13C2-PFDoA	81.1		10-150		7/24/23 22:13
13C2-PFTeDA	76.3		10-130		7/24/23 22:13
13C3-PFBS	80.0		55-150		7/24/23 22:13
13C3-PFHxS	80.5		55-150		7/24/23 22:13
13C8-PFOS	79.9		45-140		7/24/23 22:13
13C2-4:2FTS	**58.1**	*	60-200	S-29	7/24/23 22:13
13C2-6:2FTS	69.1		60-200		7/24/23 22:13
13C2-8:2FTS	69.1		50-200		7/24/23 22:13
13C8-PFOSA	71.8		30-130		7/24/23 22:13
D3-NMeFOSA	52.4		15-130		7/24/23 22:13
D5-NEtFOSA	42.6		10-130		7/24/23 22:13
D3-NMeFOSAA	74.5		45-200		7/24/23 22:13
D5-NEtFOSAA	69.3		10-200		7/24/23 22:13
D7-NMeFOSE	61.6		10-150		7/24/23 22:13
D9-NEtFOSE	59.7		10-150		7/24/23 22:13
13C3-HFPO-DA	93.0		25-160		7/24/23 22:13

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1942

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB108-SS(11-13) Sampled: 7/14/2023 11:15

Sample ID: 23G1942-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.0		% Wt	1		SM 2540G	7/17/23	7/18/23 8:38	ADB

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1942

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB112-SS(2-4) Sampled: 7/14/2023 12:00

Sample ID: 23G1942-06

Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	0.78	0.14	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:00	AMS
Perfluoropentanoic acid (PFPeA)	0.048	0.39	0.026	µg/kg dry	1	J	Draft Method 1633	7/21/23	7/24/23 23:00	AMS
Perfluorohexanoic acid (PFHxA)	0.015	0.20	0.013	µg/kg dry	1	J	Draft Method 1633	7/21/23	7/24/23 23:00	AMS
Perfluoroheptanoic acid (PFHpA)	ND	0.20	0.015	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:00	AMS
Perfluorooctanoic acid (PFOA)	ND	0.20	0.028	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:00	AMS
Perfluorononanoic acid (PFNA)	ND	0.20	0.025	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:00	AMS
Perfluorodecanoic acid (PFDA)	0.22	0.20	0.018	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:00	AMS
Perfluoroundecanoic acid (PFUnA)	0.077	0.20	0.020	µg/kg dry	1	J	Draft Method 1633	7/21/23	7/24/23 23:00	AMS
Perfluorododecanoic acid (PFDoA)	0.058	0.20	0.021	µg/kg dry	1	J	Draft Method 1633	7/21/23	7/24/23 23:00	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	0.20	0.026	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:00	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	0.20	0.018	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:00	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	0.20	0.019	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:00	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	0.20	0.029	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:00	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	0.20	0.025	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:00	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.20	0.022	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:00	AMS
Perfluorooctanesulfonic acid (PFOS)	0.13	0.20	0.035	µg/kg dry	1	J	Draft Method 1633	7/21/23	7/24/23 23:00	AMS
Perfluorononanesulfonic acid (PFNS)	ND	0.20	0.029	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:00	AMS
Perfluorodecanesulfonic acid (PFDS)	0.10	0.20	0.044	µg/kg dry	1	J	Draft Method 1633	7/21/23	7/24/23 23:00	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	0.20	0.021	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:00	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	0.78	0.073	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:00	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	0.78	0.080	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:00	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	0.78	0.073	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:00	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	0.20	0.10	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:00	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	0.20	0.020	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:00	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.20	0.027	µg/kg dry	1	PF-18	Draft Method 1633	7/21/23	7/24/23 23:00	AMS
N-MeFOSAA (NMeFOSAA)	ND	0.20	0.027	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:00	AMS
N-EtFOSAA (NEtFOSAA)	ND	0.20	0.041	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:00	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	2.0	0.15	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:00	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	2.0	0.17	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:00	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	0.78	0.064	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:00	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	0.78	0.079	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:00	AMS
9Cl-PF3ONS (F53B Minor)	ND	0.78	0.075	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:00	AMS
11Cl-PF3OUdS (F53B Major)	ND	0.78	0.10	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:00	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	2.0	0.17	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:00	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	9.8	1.2	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:00	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	9.8	0.96	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:00	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	0.39	0.020	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:00	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	0.39	0.041	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:00	AMS

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1942

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB112-SS(2-4) Sampled: 7/14/2023 12:00

Sample ID: 23G1942-06

Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	0.39	0.030	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:00	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	0.39	0.040	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:00	AMS

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
13C4-PFBA	81.5		10-130		7/24/23 23:00
13C5-PFPeA	80.6		35-150		7/24/23 23:00
13C5-PFHxA	82.6		55-150		7/24/23 23:00
13C4-PFHpA	78.4		55-150		7/24/23 23:00
13C8-PFOA	76.7		60-140		7/24/23 23:00
13C9-PFNA	78.8		55-140		7/24/23 23:00
13C6-PFDA	82.3		50-140		7/24/23 23:00
13C7-PFUnA	80.3		30-140		7/24/23 23:00
13C2-PFDoA	77.8		10-150		7/24/23 23:00
13C2-PFTeDA	67.9		10-130		7/24/23 23:00
13C3-PFBS	83.3		55-150		7/24/23 23:00
13C3-PFHxS	81.0		55-150		7/24/23 23:00
13C8-PFOS	78.0		45-140		7/24/23 23:00
13C2-4:2FTS	60.7		60-200		7/24/23 23:00
13C2-6:2FTS	74.2		60-200		7/24/23 23:00
13C2-8:2FTS	69.9		50-200		7/24/23 23:00
13C8-PFOSA	71.7		30-130		7/24/23 23:00
D3-NMeFOSA	23.9		15-130		7/24/23 23:00
D5-NEtFOSA	**8.30**	*	10-130	PF-18	7/24/23 23:00
D3-NMeFOSAA	71.8		45-200		7/24/23 23:00
D5-NEtFOSAA	66.4		10-200		7/24/23 23:00
D7-NMeFOSE	28.2		10-150		7/24/23 23:00
D9-NEtFOSE	21.6		10-150		7/24/23 23:00
13C3-HFPO-DA	90.4		25-160		7/24/23 23:00

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1942

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB112-SS(2-4) Sampled: 7/14/2023 12:00

Sample ID: 23G1942-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.5		% Wt	1		SM 2540G	7/17/23	7/18/23 8:39	ADB

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1942

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB112-SS(8-10) Sampled: 7/14/2023 12:30

Sample ID: 23G1942-07

Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	0.78	0.14	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:16	AMS
Perfluoropentanoic acid (PFPeA)	0.031	0.39	0.025	µg/kg dry	1	J	Draft Method 1633	7/21/23	7/24/23 23:16	AMS
Perfluorohexanoic acid (PFHxA)	ND	0.20	0.013	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:16	AMS
Perfluoroheptanoic acid (PFHpA)	ND	0.20	0.015	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:16	AMS
Perfluorooctanoic acid (PFOA)	ND	0.20	0.028	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:16	AMS
Perfluorononanoic acid (PFNA)	ND	0.20	0.025	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:16	AMS
Perfluorodecanoic acid (PFDA)	0.024	0.20	0.018	µg/kg dry	1	J	Draft Method 1633	7/21/23	7/24/23 23:16	AMS
Perfluoroundecanoic acid (PFUnA)	ND	0.20	0.020	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:16	AMS
Perfluorododecanoic acid (PFDoA)	ND	0.20	0.021	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:16	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	0.20	0.026	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:16	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	0.20	0.018	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:16	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	0.20	0.019	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:16	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	0.20	0.029	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:16	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	0.20	0.024	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:16	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.20	0.022	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:16	AMS
Perfluorooctanesulfonic acid (PFOS)	0.063	0.20	0.035	µg/kg dry	1	J	Draft Method 1633	7/21/23	7/24/23 23:16	AMS
Perfluorononanesulfonic acid (PFNS)	ND	0.20	0.029	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:16	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	0.20	0.044	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:16	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	0.20	0.021	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:16	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	0.78	0.073	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:16	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	0.78	0.080	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:16	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	0.78	0.073	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:16	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	0.20	0.10	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:16	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	0.20	0.020	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:16	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.20	0.027	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:16	AMS
N-MeFOSAA (NMeFOSAA)	ND	0.20	0.027	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:16	AMS
N-EtFOSAA (NEtFOSAA)	ND	0.20	0.041	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:16	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	2.0	0.15	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:16	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	2.0	0.17	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:16	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	0.78	0.064	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:16	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	0.78	0.079	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:16	AMS
9Cl-PF3ONS (F53B Minor)	ND	0.78	0.075	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:16	AMS
11Cl-PF3OUdS (F53B Major)	ND	0.78	0.10	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:16	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	2.0	0.16	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:16	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	9.8	1.2	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:16	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	9.8	0.95	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:16	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	0.39	0.020	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:16	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	0.39	0.041	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:16	AMS

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1942

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB112-SS(8-10) Sampled: 7/14/2023 12:30

Sample ID: 23G1942-07

Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	0.39	0.030	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:16	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	0.39	0.040	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:16	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C4-PFBA	82.6	10-130		7/24/23 23:16
13C5-PFPeA	81.4	35-150		7/24/23 23:16
13C5-PFHxA	83.9	55-150		7/24/23 23:16
13C4-PFHpA	81.1	55-150		7/24/23 23:16
13C8-PFOA	82.7	60-140		7/24/23 23:16
13C9-PFNA	80.8	55-140		7/24/23 23:16
13C6-PFDA	83.6	50-140		7/24/23 23:16
13C7-PFUnA	82.6	30-140		7/24/23 23:16
13C2-PFDoA	78.0	10-150		7/24/23 23:16
13C2-PFTeDA	61.6	10-130		7/24/23 23:16
13C3-PFBS	84.8	55-150		7/24/23 23:16
13C3-PFHxS	84.3	55-150		7/24/23 23:16
13C8-PFOS	86.2	45-140		7/24/23 23:16
13C2-4:2FTS	61.1	60-200		7/24/23 23:16
13C2-6:2FTS	74.6	60-200		7/24/23 23:16
13C2-8:2FTS	64.5	50-200		7/24/23 23:16
13C8-PFOSA	78.3	30-130		7/24/23 23:16
D3-NMeFOSA	63.0	15-130		7/24/23 23:16
D5-NEtFOSA	55.7	10-130		7/24/23 23:16
D3-NMeFOSAA	65.3	45-200		7/24/23 23:16
D5-NEtFOSAA	62.9	10-200		7/24/23 23:16
D7-NMeFOSE	62.9	10-150		7/24/23 23:16
D9-NEtFOSE	57.4	10-150		7/24/23 23:16
13C3-HFPO-DA	95.0	25-160		7/24/23 23:16

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1942

Date Received: 7/15/2023

Field Sample #: 250WATERST-SB112-SS(8-10) Sampled: 7/14/2023 12:30

Sample ID: 23G1942-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.9		% Wt	1		SM 2540G	7/17/23	7/18/23 8:39	ADB

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1942

Date Received: 7/15/2023

Field Sample #: 250WATERST-SS-DUP-20230714 Sampled: 7/14/2023 00:00

Sample ID: 23G1942-08

Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	0.81	0.15	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:32	AMS
Perfluoropentanoic acid (PFPeA)	0.047	0.40	0.026	µg/kg dry	1	J	Draft Method 1633	7/21/23	7/24/23 23:32	AMS
Perfluorohexanoic acid (PFHxA)	ND	0.20	0.014	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:32	AMS
Perfluoroheptanoic acid (PFHpA)	ND	0.20	0.015	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:32	AMS
Perfluorooctanoic acid (PFOA)	0.036	0.20	0.029	µg/kg dry	1	J	Draft Method 1633	7/21/23	7/24/23 23:32	AMS
Perfluorononanoic acid (PFNA)	0.35	0.20	0.026	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:32	AMS
Perfluorodecanoic acid (PFDA)	0.046	0.20	0.019	µg/kg dry	1	J	Draft Method 1633	7/21/23	7/24/23 23:32	AMS
Perfluoroundecanoic acid (PFUnA)	0.14	0.20	0.020	µg/kg dry	1	J	Draft Method 1633	7/21/23	7/24/23 23:32	AMS
Perfluorododecanoic acid (PFDoA)	ND	0.20	0.022	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:32	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	0.20	0.027	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:32	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	0.20	0.019	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:32	AMS
Perfluorobutanesulfonic acid (PFBS)	0.021	0.20	0.020	µg/kg dry	1	J	Draft Method 1633	7/21/23	7/24/23 23:32	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	0.20	0.030	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:32	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	0.20	0.025	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:32	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.20	0.023	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:32	AMS
Perfluorooctanesulfonic acid (PFOS)	0.18	0.20	0.036	µg/kg dry	1	J	Draft Method 1633	7/21/23	7/24/23 23:32	AMS
Perfluorononanesulfonic acid (PFNS)	ND	0.20	0.030	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:32	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	0.20	0.045	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:32	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	0.20	0.022	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:32	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	0.81	0.075	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:32	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	0.81	0.083	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:32	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	0.81	0.075	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:32	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	0.20	0.11	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:32	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	0.20	0.021	µg/kg dry	1	PF-18	Draft Method 1633	7/21/23	7/24/23 23:32	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.20	0.028	µg/kg dry	1	PF-18	Draft Method 1633	7/21/23	7/24/23 23:32	AMS
N-MeFOSAA (NMeFOSAA)	ND	0.20	0.028	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:32	AMS
N-EtFOSAA (NEtFOSAA)	0.064	0.20	0.042	µg/kg dry	1	J	Draft Method 1633	7/21/23	7/24/23 23:32	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	2.0	0.16	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:32	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	2.0	0.17	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:32	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	0.81	0.066	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:32	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	0.81	0.082	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:32	AMS
9Cl-PF3ONS (F53B Minor)	ND	0.81	0.078	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:32	AMS
11Cl-PF3OUdS (F53B Major)	ND	0.81	0.11	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:32	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	2.0	0.17	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:32	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	10	1.2	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:32	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	10	0.98	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:32	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	0.40	0.020	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:32	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	0.40	0.042	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:32	AMS

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1942

Date Received: 7/15/2023

Field Sample #: 250WATERST-SS-DUP-20230714 Sampled: 7/14/2023 00:00

Sample ID: 23G1942-08

Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	0.40	0.031	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:32	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	0.40	0.041	µg/kg dry	1		Draft Method 1633	7/21/23	7/24/23 23:32	AMS

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
13C4-PFBA	87.7		10-130		7/24/23 23:32
13C5-PFPeA	86.7		35-150		7/24/23 23:32
13C5-PFHxA	88.6		55-150		7/24/23 23:32
13C4-PFHpA	86.0		55-150		7/24/23 23:32
13C8-PFOA	85.1		60-140		7/24/23 23:32
13C9-PFNA	85.1		55-140		7/24/23 23:32
13C6-PFDA	88.5		50-140		7/24/23 23:32
13C7-PFUnA	86.7		30-140		7/24/23 23:32
13C2-PFDoA	84.0		10-150		7/24/23 23:32
13C2-PFTeDA	68.6		10-130		7/24/23 23:32
13C3-PFBS	86.6		55-150		7/24/23 23:32
13C3-PFHxS	85.9		55-150		7/24/23 23:32
13C8-PFOS	80.2		45-140		7/24/23 23:32
13C2-4:2FTS	66.0		60-200		7/24/23 23:32
13C2-6:2FTS	74.3		60-200		7/24/23 23:32
13C2-8:2FTS	72.5		50-200		7/24/23 23:32
13C8-PFOSA	72.9		30-130		7/24/23 23:32
D3-NMeFOSA	**10.9**	*	15-130	PF-18	7/24/23 23:32
D5-NEtFOSA	**2.36**	*	10-130	PF-18	7/24/23 23:32
D3-NMeFOSAA	76.2		45-200		7/24/23 23:32
D5-NEtFOSAA	73.0		10-200		7/24/23 23:32
D7-NMeFOSE	34.0		10-150		7/24/23 23:32
D9-NEtFOSE	30.8		10-150		7/24/23 23:32
13C3-HFPO-DA	96.0		25-160		7/24/23 23:32

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23G1942

Date Received: 7/15/2023

Field Sample #: 250WATERST-SS-DUP-20230714 Sampled: 7/14/2023 00:00

Sample ID: 23G1942-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.5		% Wt	1		SM 2540G	7/17/23	7/18/23 8:39	ADB

Data Usability Summary Report

Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

250 Water St., Manhattan, NY
Pace/Con-Test Analytical Laboratory SDG#23G2329
December 13, 2023
Revised: January 19, 2024
Sampling date: 7/17/2023

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package (revised January 19, 2024) for TRC Engineers, Inc., project located at 250 Water St., Manhattan, NY, SDG#23G2329 submitted to Vali-Data of WNY, LLC on October 10, 2023. This DUSR has been prepared in general compliance with USEPA National Functional Guidelines(NFG) and NYSDEC Analytical Services Protocols. The laboratory performed the analyses using USEPA method Volatile Organics (8260D), Semi-Volatile Organics (8270E), Pesticide (8081B), PCB (8082A), Inorganics/Mercury (6010D, 7470A, 7471B) and in accordance with wet chemistry methods.

ID	Sample ID	Laboratory ID
1	250WATERST-SB107-SS(2-4)	23G2329-01
2	250WATERST-SB107-SS(13-15)	23G2329-02
3	250WATERST-EB-20230717-1	23G2329-03

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Internal Standard (IS) Area Performance
-Surrogate Spike Recoveries
-Method Blank
-Field Duplicate Sample Precision
-Laboratory Control Samples
-MS/MSD
-Compound Quantitation
-Initial Calibration
-Continuing Calibration
-GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Surrogate Spike Recoveries, Initial Calibration and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of 1,2-Dichloroethane-d_4 was outside QC limits, high in DUSR ID#1. The associated target analytes below should be qualified as estimated high in this sample since they were detected.

Acetone	Methylene chloride

METHOD BLANK
All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met except the %Rec of several target analytes was outside QC limits, high in the laboratory control samples and should be qualified as estimated. These target analytes were not detected in the associated samples, so no further action is required.

MS/MSD
No MS/MSD was acquired for this analysis.

COMPOUND QUANTITATION
All criteria were met except Methylene chloride was detected in DUSR ID#3. This target analyte was not detected in the associated samples, so no further action is required.

INITIAL CALIBRATION
All criteria were met except a target analyte was outside QC limit in the initial calibration and/or the initial calibration verification and should be qualified as estimated in the associated samples, blanks and spikes.

ICal/ICV ID	Target Analyte	%D/RRF	Qualifier	Associated Sample
ICal/ICV GCMSVOA7	1,4-Dioxane	RRF	UJ/J	B346423, 1, 2
ICal/ICV GCMSVOA7	Bromodichloromethane	RRF	UJ/J	B346423, 1, 2
ICal/ICV GCMSVOA7	1,1,2-Trichloroethane	RRF	UJ/J	B346423, 1, 2
ICV GCMSVOA7	Acetone	46.1	UJ/J	B346423, 1, 2
ICV GCMSVOA7	Carbon disulfide	35.4	UJ/J	B346423, 1, 2
ICV GCMSVOA7	1,1-Dichloroethene	22.6	UJ/J	B346423, 1, 2
ICal/ICV GCMSVOA3	1,4-Dioxane	RRF	UJ/J	B346736, 3

CONTINUING CALIBRATION

All criteria were met except several target analytes were outside QC limits in the continuing calibrations and should be qualified as estimated in the associated samples, blanks and spikes.

Ccal ID	Target Analyte	%D/RRF	Qualifier	Associated Sample
S090708-CCV1	1,4-Dioxane	RRF	UJ/J	B346423, 1, 2
S090708-CCV1	1,1,2-Trichloroethane	RRF	UJ/J	B346423, 1, 2
S090708-CCV1	Bromomethane	54.4	UJ/J	B346423, 1, 2
S090708-CCV1	Chloroethane	40.8	UJ/J	B346423, 1, 2
S090708-CCV1	1,1-Dichloroethene	28.8	UJ/J	B346423, 1, 2
S090708-CCV1	Vinyl chloride	28.4	UJ/J	B346423, 1, 2
S090942-CCV1	1,4-Dioxane	RRF	UJ/J	B346736, 3

GC/MS PERFORMANCE CHECK

All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Holding Times, Surrogate Spike Recoveries, Method Blank, Laboratory Control Samples, Initial Calibration and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met except DUSR ID#3 was extracted outside hold time. All target analytes detected in this sample should be qualified as estimated and all target analytes not detected in this sample should be qualified as unusable.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of 2,4,6-Tribromophenol was outside QC limits, low in DUSR ID#1. The following target analytes should be qualified as estimated in this sample.

2,4,6-Trichlorophenol	2,4-Dinitrophenol	4,6-Dinitro-2-methylphenol
2,4,5-Trichlorophenol	4-Nitrophenol	Pentachlorophenol

METHOD BLANK
All the criteria were met except a TIC was detected in B347451-BLK1 and should be qualified in the associated samples.

TIC	Qualifier	Associated Sample
3-Penten-2-one, 4-methyl	U	1, 2

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met except a couple of target analytes were outside QC limits in the laboratory control samples and should be qualified as estimated.

LCS ID	Target Analyte	%Rec LCS	%Rec LCSD	Qualifier	Associated Sample
B346612	Caprolactam	27.1	28.3	UJ	3
B346612	Hexachloroethane	28.5	35.3	UJ	3

MS/MSD
No MS/MSD was acquired for this analysis.

COMPOUND QUANTITATION
All criteria were met except Phenol was detected in DUSR ID#3. This target analyte was not detected in the associated samples, so no further action is required.

INITIAL CALIBRATION
All criteria were met except the %D of a couple of target analytes were outside QC limits in the initial calibrations. These target analytes should be qualified as estimated in the associated blanks, samples and spikes.

Ical/ICV instrument ID	Target Analyte	RRF/%RSD	Qualifier	Associated Sample
ICal GCMSSV9	Bis(2-ethyl hexyl)phthalate	23.9	UJ/J	B346612, 3
ICal GCMSSV4	2,4-Dinitrophenol	56.0	UJ/J	B347451, 1, 2
ICV GCMSSV4	Benzaldehyde	-43.1	UJ/J	B347451, 1, 2

Alternate forms of regression were performed on some target analytes, with acceptable results except where noted above.

CONTINUING CALIBRATION
All criteria were met except a target analyte was outside QC limits in the continuing calibrations and should be qualified as estimated in the associated samples, blanks and spikes.

CCal ID	Target Analyte	RRF/%D	Qualifier	Associated Sample
S091728-CCV1	2,4-Dinitrophenol	51.4	UJ/J	B347451, 1, 2

Some target analytes were outside laboratory QC limits but within NFG QC limits, so no further action is required.

GC/MS PERFORMANCE CHECK
All criteria were met.

PESTICIDES

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Holding Times, Initial Calibration.

Sample: DUSR ID#1 was diluted due to the matrix.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met except DUSR ID#1RE and #2RE were reextracted outside hold time. All target analytes detected in these samples should be qualified as estimated and all target analytes not detected should be qualified as unusable.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met.
Some target analytes were outside QC limits in the laboratory control sample or the laboratory control sample duplicate but not both, so no further action is required.

MS/MSD
All criteria were met.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met except a target analyte was outside QC limits in the initial calibration verification and should be qualified as estimated in the associated samples, blanks and spikes.

ICal/ICV ID	Target Analyte	Column	%D	Qualifier	Associated Sample
ICV ECD6 (7/17/23)	Chlordane p2	1	30.4	UJ	B346866-BLK1, 3
ICV ECD6 (7/17/23)	Chlordane p1-5	2	various	UJ	B346866-BLK1
ICV ECD6 (8/7/23)	Chlordane p2,3	1	various	UJ	B348010-BLK1, 1, 2
ICV ECD6 (8/7/23)	Chlordane p2,4	2	various	UJ	B348010-BLK1

CONTINUING CALIBRATION
All criteria were met.
Some target analytes were outside laboratory QC limits but within NFG limits, so no further action is required.

PCB

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision

- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Initial Calibration.

Samples: DUSR ID#1 and #2 were diluted.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
No MS/MSD was acquired.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met except several target analytes were outside QC limits in the initial calibration verification and should be qualified as estimated in the associated samples, blanks and spikes.

ICV Instrument ID	Target Analyte	Column	%D	Qualifier	Associated Sample
ECD5	Aroclor 1254 p5	2	-29.4	UJ	B346861-BLK1, B347460-BLK1
ECD5	Aroclor 1268 p4	1	42.8	UJ	B346861-BLK1, B347460-BLK1, 1-3
ECD5	Aroclor 1268 p4	2	39.9		B346861-BLK1, B347460-BLK1
ECD5	Aroclor 1262 p2	2	-20.1	UJ	B346861-BLK1, B347460-BLK1

CONTINUING CALIBRATION
All criteria were met.

METALS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Blanks
-Laboratory Control Sample
-MS/MSD/Duplicate
-Field Duplicate
-Serial Dilution
-Compound Quantitation
-Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Laboratory Control Samples and Calibration.

Sample: DUSR ID#1 was diluted due to high target analyte concentrations.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All criteria were met.

BLANKS
All criteria were met.

LABORATORY CONTROL SAMPLE
All criteria were met except a target analyte was outside QC limits in the laboratory control samples and should be qualified as estimated.

LCS ID	Target Analyte	%Rec LCS	%Rec LCSD	Qualifier	Associated Sample
B347073	Sb	55.2	53.1	UJ	1, 2

MS/MSD/DUPLICATE
All criteria were met.
A target analyte was outside QC limits in a matrix spike but within limits in the matrix spike duplicate, so no further action is required.

FIELD DUPLICATE
No field duplicate was acquired.

SERIAL DILUTION
No serial dilution was performed.

COMPOUND QUANTITATION
All criteria were met.

CALIBRATION
All criteria were met except the %Rec of several target analytes was outside QC limits in the Low-Concentration Calibration Verification. These target analytes should be qualified as estimated in the associated samples, blanks and spikes.

Calibration ID	Target Analyte	%D or %Rec	Qualifier	Associated Sample
S090762-LCV1	Al	12.9	UJ	3
S090762-LCV1	Sb	-13.9	UJ/J	B346371, 3
S090762-LCV1	Ba	10.5	UJ/J	B346371, 3
S090762-LCV1	Cd	14.5	UJ/J	B346371, 3
S090762-LCV1	Ca	11.1	UJ/J	B346371, 3
S090762-LCV1	Co	11.0	UJ/J	B346371, 3
S090762-LCV1	Mg	-18.8	UJ/J	B346371, 3
S090762-LCV1	Ni	13.3	UJ/J	B346371, 3
S090762-LCV1	V	-10.9	UJ/J	B346371, 3
S090888-LCV1	Cu	-13.1	UJ/J	B346371, 3
S091111-LCV1	Al	19.0	UJ/J	B347073, 1, 2
S091111-LCV1	Ba	11.4	UJ/J	B347073, 1, 2
S091111-LCV1	Be	15.3	UJ/J	B347073, 1, 2
S091111-LCV1	Cd	14.2	UJ/J	B347073, 1, 2
S091111-LCV1	Cr	15.0	UJ/J	B347073, 1, 2
S091111-LCV1	Mg	11.3	UJ/J	B347073, 1, 2
S091111-LCV1	Mn	14.4	UJ/J	B347073, 1, 2
S091111-LCV1	Ni	12.5	UJ/J	B347073, 1, 2
S091111-LCV1	K	11.1	UJ/J	B347073, 1, 2
S091111-LCV1	Se	14.4	UJ/J	B347073, 1, 2
S091111-LCV1	Zn	19.6	UJ/J	B347073, B346371, 1-3
S091111-LCV3	Se	11.4	UJ/J	B347073, 1, 2
S091201-LCV1	Pb	18.7	UJ/J	B347073, 1, 2
S091201-LCV1	Na	11.2	UJ/J	B347073, 1, 2
S091172-IFB2	Ag	117	JH	1, 2

GENERAL CHEMISTRY

The following items/criteria were reviewed for this analytical suite:

- Cyanide
- %Solids

The items listed above were technically in compliance with the method and SOP criteria with any exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below.

CYANIDE

All criteria were met except the %Rec of B346292-BS1 and the RPD between B346292-BS1 and B346292-BSD1 were outside QC limits and should be qualified as estimated. Cyanide should be qualified as estimated in DUSR ID#1 and #2.

%SOLIDS

All criteria were met.

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

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SW-846 7471B

Qualifications:

MS-22

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.

Analyte & Samples(s) Qualified:

Mercury
B347511-MS1

SW-846 8081B

Qualifications:

DL-03

Elevated reporting limit due to matrix.

Analyte & Samples(s) Qualified:

23G2329-01RE1[250WATERST-SB107-SS(2-4)]

R-05

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:

Aldrin
23G2329-03[250WATERST-EB-20230717-1], B346866-BLK1, B346866-BS1, B346866-BSD1

Heptachlor
23G2329-03[250WATERST-EB-20230717-1], B346866-BLK1, B346866-BS1, B346866-BSD1

V-06

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

Analyte & Samples(s) Qualified:

4,4'-DDD [2C]
B348010-MS1, B348010-MSD1

Z-01

Sample analysis performed past the recommended holding time due to a laboratory error. Original analysis had no BS/BSD data available.

Analyte & Samples(s) Qualified:

23G2329-01RE1[250WATERST-SB107-SS(2-4)], 23G2329-02RE1[250WATERST-SB107-SS(13-15)]

SW-846 8260D

Qualifications:

L-02

Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.

Analyte & Samples(s) Qualified:

Bromomethane
B346423-BS1, B346423-BSD1

Chloroethane
B346423-BS1, B346423-BSD1

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

1,1-Dichloroethylene
B346423-BS1

Trichlorofluoromethane (Freon 11)
B346423-BS1

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S-17

Surrogate recovery is outside of control limits. Data validation is not affected since all associated results are less than the reporting limit and bias is on the high side.

Analyte & Samples(s) Qualified:

1,2-Dichloroethane-d4
23G2329-01[250WATERST-SB107-SS(2-4)]

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

1,2,4-Trichlorobenzene
23G2329-03[250WATERST-EB-20230717-1], B346736-BLK1, B346736-BS1, B346736-BSD1, S090942-CCV1

Carbon Tetrachloride
23G2329-03[250WATERST-EB-20230717-1], B346736-BLK1, B346736-BS1, B346736-BSD1, S090942-CCV1

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

1,1-Dichloroethylene
B346423-BS1, B346423-BSD1, S090708-CCV1

Bromomethane
B346423-BS1, B346423-BSD1, B346736-BS1, B346736-BSD1, S090708-CCV1, S090942-CCV1

Chloroethane
B346423-BS1, B346423-BSD1, S090708-CCV1

Chloromethane
B346423-BS1, B346423-BSD1, S090708-CCV1

Trichlorofluoromethane (Freon 11)
B346423-BS1, B346423-BSD1, S090708-CCV1

Vinyl Chloride
B346423-BS1, B346423-BSD1, S090708-CCV1

V-35

Initial calibration verification (ICV) did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

Acetone
B346423-BS1, B346423-BSD1, S090708-CCV1

SW-846 8270E

Qualifications:

B

Analyte is found in the associated laboratory blank as well as in the sample.

Analyte & Samples(s) Qualified:

3-Penten-2-one, 4-methyl-
23G2329-01[250WATERST-SB107-SS(2-4)], 23G2329-02[250WATERST-SB107-SS(13-15)], B347451-BLK1

H-06

Sample was extracted past the recommended holding time.

Analyte & Samples(s) Qualified:

23G2329-03[250WATERST-EB-20230717-1]

L-04

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Caprolactam
23G2329-03[250WATERST-EB-20230717-1], B346612-BLK1, B346612-BS1, B346612-BSD1

Hexachloroethane
23G2329-03[250WATERST-EB-20230717-1], B346612-BLK1, B346612-BS1, B346612-BSD1

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R-05

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:

4-Chloroaniline
B346612-BS1, B346612-BSD1

S-07

One associated surrogate standard recovery is outside of control limits but the other(s) is/are within limits. All recoveries are > 10%.

Analyte & Samples(s) Qualified:

2,4,6-Tribromophenol
23G2329-01[250WATERST-SB107-SS(2-4)]

V-04

Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Reported result is estimated.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol
23G2329-01[250WATERST-SB107-SS(2-4)], 23G2329-02[250WATERST-SB107-SS(13-15)], 23G2329-03[250WATERST-EB-20230717-1], B346612-BLK1, B346612-BS1, B346612-BSD1, B347451-BLK1, B347451-BS1, B347451-BSD1, S090907-CCV1, S091728-CCV1

4,6-Dinitro-2-methylphenol
23G2329-03[250WATERST-EB-20230717-1], B346612-BLK1, B346612-BS1, B346612-BSD1, S090907-CCV1

Bis(2-Ethylhexyl)phthalate
23G2329-03[250WATERST-EB-20230717-1], B346612-BLK1, B346612-BS1, B346612-BSD1, S090907-CCV1

Di-n-octylphthalate
23G2329-03[250WATERST-EB-20230717-1], B346612-BLK1, B346612-BS1, B346612-BSD1, S090907-CCV1

Hexachlorocyclopentadiene
23G2329-01[250WATERST-SB107-SS(2-4)], 23G2329-02[250WATERST-SB107-SS(13-15)], B347451-BLK1, B347451-BS1, B347451-BSD1, S091728-CCV1

V-06

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol
23G2329-01[250WATERST-SB107-SS(2-4)], 23G2329-02[250WATERST-SB107-SS(13-15)], B347451-BLK1, B347451-BS1, B347451-BSD1, S091728-CCV1

Atrazine
23G2329-01[250WATERST-SB107-SS(2-4)], 23G2329-02[250WATERST-SB107-SS(13-15)], B347451-BLK1, B347451-BS1, B347451-BSD1, S091728-CCV2

V-35

Initial calibration verification (ICV) did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

Butylbenzylphthalate
23G2329-03[250WATERST-EB-20230717-1], B346612-BLK1, B346612-BS1, B346612-BSD1, S090907-CCV1

SW-846 9014

Qualifications:

L-07A

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD outside of control limits. Reduced precision anticipated for any reported result for this compound.

Analyte & Samples(s) Qualified:

Cyanide
B346292-BS1, B346292-BSD1

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The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Technical Representative

con-test
A Pace Analytical® Laboratory

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Project Location: 250 Water St, NY, NY Sample Description: Work Order: 23G2329

Date Received: 7/18/2023

Field Sample #: 250WATERST-SB107-SS(2-4) Sampled: 7/17/2023 09:30

Sample ID: 23G2329-01

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.012	0.069	0.0062	mg/Kg dry	1	J	SW-846 8260D	7/19/23	7/19/23 14:12	MFF
Benzene	ND	0.0014	0.00040	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:12	MFF
Bromochloromethane	ND	0.0014	0.00054	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:12	MFF
Bromodichloromethane	ND	0.0014	0.00036	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:12	MFF
Bromoform	ND	0.0014	0.00042	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:12	MFF
Bromomethane	ND	0.0069	0.0012	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:12	MFF
2-Butanone (MEK)	ND	0.027	0.0043	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:12	MFF
Carbon Disulfide	ND	0.0069	0.0055	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:12	MFF
Carbon Tetrachloride	ND	0.0014	0.00054	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:12	MFF
Chlorobenzene	ND	0.0014	0.00038	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:12	MFF
Chlorodibromomethane	ND	0.00069	0.00043	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:12	MFF
Chloroethane	ND	0.014	0.00076	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:12	MFF
Chloroform	ND	0.0027	0.00043	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:12	MFF
Chloromethane	ND	0.0069	0.00068	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:12	MFF
Cyclohexane	ND	0.0069	0.0028	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:12	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0014	0.00054	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:12	MFF
1,2-Dibromoethane (EDB)	ND	0.00069	0.00052	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:12	MFF
1,2-Dichlorobenzene	ND	0.0014	0.00036	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:12	MFF
1,3-Dichlorobenzene	ND	0.0014	0.00038	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:12	MFF
1,4-Dichlorobenzene	ND	0.0014	0.00041	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:12	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.014	0.00071	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:12	MFF
1,1-Dichloroethane	ND	0.0014	0.00047	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:12	MFF
1,2-Dichloroethane	ND	0.0014	0.00046	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:12	MFF
1,1-Dichloroethylene	ND	0.0027	0.00056	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:12	MFF
cis-1,2-Dichloroethylene	ND	0.0014	0.00044	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:12	MFF
trans-1,2-Dichloroethylene	ND	0.0014	0.00050	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:12	MFF
1,2-Dichloropropane	ND	0.0014	0.00043	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:12	MFF
cis-1,3-Dichloropropene	ND	0.00069	0.00038	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:12	MFF
trans-1,3-Dichloropropene	ND	0.00069	0.00042	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:12	MFF
1,4-Dioxane	ND	0.069	0.031	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:12	MFF
Ethylbenzene	ND	0.0014	0.00041	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:12	MFF
2-Hexanone (MBK)	ND	0.014	0.0034	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:12	MFF
Isopropylbenzene (Cumene)	ND	0.0014	0.00043	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:12	MFF
Methyl Acetate	ND	0.0014	0.00098	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:12	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0027	0.00046	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:12	MFF
Methyl Cyclohexane	ND	0.0027	0.00053	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:12	MFF
Methylene Chloride	0.0027	0.014	0.00066	mg/Kg dry	1	J	SW-846 8260D	7/19/23	7/19/23 14:12	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.014	0.0030	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:12	MFF
Styrene	ND	0.0014	0.00034	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:12	MFF
1,1,2,2-Tetrachloroethane	ND	0.00069	0.00038	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:12	MFF
Tetrachloroethylene	ND	0.0014	0.00058	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:12	MFF
Toluene	ND	0.0014	0.00046	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:12	MFF
1,2,3-Trichlorobenzene	ND	0.0014	0.00039	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:12	MFF
1,2,4-Trichlorobenzene	ND	0.0014	0.00042	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:12	MFF

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Project Location: 250 Water St, NY, NY Sample Description: Work Order: 23G2329

Date Received: 7/18/2023

Field Sample #: 250WATERST-SB107-SS(2-4) Sampled: 7/17/2023 09:30

Sample ID: 23G2329-01

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	0.0014	0.00052	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:12	MFF
1,1,2-Trichloroethane	ND	0.0014	0.00037	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:12	MFF
Trichloroethylene	ND	0.0014	0.00055	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:12	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0069	0.00051	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:12	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0069	0.00059	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:12	MFF
Vinyl Chloride	ND	0.0069	0.00051	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:12	MFF
Xylenes (total)	ND	0.0014	0.0014	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:12	MFF

Surrogates	% Recovery		Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	**131**	*	70-130	S-17		7/19/23 14:12
Toluene-d8	97.1		70-130			7/19/23 14:12
4-Bromofluorobenzene	97.6		70-130			7/19/23 14:12

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Project Location: 250 Water St, NY, NY Sample Description: Work Order: 23G2329

Date Received: 7/18/2023

Field Sample #: 250WATERST-SB107-SS(2-4) Sampled: 7/17/2023 09:30

Sample ID: 23G2329-01

Sample Matrix: Soil

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	mg/Kg dry			1			SW-846 8260D	7/19/23	7/19/23 14:12	MFF

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Project Location: 250 Water St, NY, NY Sample Description: Work Order: 23G2329

Date Received: 7/18/2023

Field Sample #: 250WATERST-SB107-SS(2-4) Sampled: 7/17/2023 09:30

Sample ID: 23G2329-01

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	0.74	0.052	mg/Kg dry	1	V-06	SW-846 8270E	7/29/23	8/8/23 21:14	AR2
Benzaldehyde	0.060	0.38	0.036	mg/Kg dry	1	J	SW-846 8270E	7/29/23	8/8/23 21:14	AR2
Biphenyl	ND	0.74	0.059	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:14	AR2
Caprolactam	ND	0.38	0.054	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:14	AR2
Acenaphthene	ND	0.19	0.072	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:14	AR2
Acenaphthylene	ND	0.19	0.074	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:14	AR2
Acetophenone	ND	0.38	0.074	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:14	AR2
Anthracene	0.11	0.19	0.073	mg/Kg dry	1	J	SW-846 8270E	7/29/23	8/8/23 21:14	AR2
Benzo(a)anthracene	0.50	0.19	0.068	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:14	AR2
Benzo(a)pyrene	0.45	0.19	0.062	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:14	AR2
Benzo(b)fluoranthene	0.57	0.19	0.064	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:14	AR2
Benzo(g,h,i)perylene	0.18	0.19	0.079	mg/Kg dry	1	J	SW-846 8270E	7/29/23	8/8/23 21:14	AR2
Benzo(k)fluoranthene	0.24	0.19	0.068	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:14	AR2
Bis(2-chloroethoxy)methane	ND	0.38	0.074	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:14	AR2
Bis(2-chloroethyl)ether	ND	0.38	0.079	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:14	AR2
Bis(2-chloroisopropyl)ether	ND	0.38	0.16	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:14	AR2
Bis(2-Ethylhexyl)phthalate	ND	0.38	0.077	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:14	AR2
4-Bromophenylphenylether	ND	0.38	0.078	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:14	AR2
Butylbenzylphthalate	ND	0.38	0.071	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:14	AR2
Carbazole	ND	0.19	0.073	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:14	AR2
4-Chloroaniline	ND	0.73	0.067	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:14	AR2
4-Chloro-3-methylphenol	ND	0.73	0.075	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:14	AR2
2-Chloronaphthalene	ND	0.38	0.067	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:14	AR2
2-Chlorophenol	ND	0.38	0.076	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:14	AR2
4-Chlorophenylphenylether	ND	0.38	0.073	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:14	AR2
Chrysene	0.53	0.19	0.068	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:14	AR2
Dibenz(a,h)anthracene	ND	0.19	0.073	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:14	AR2
Dibenzofuran	ND	0.38	0.074	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:14	AR2
Di-n-butylphthalate	ND	0.38	0.069	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:14	AR2
3,3-Dichlorobenzidine	ND	0.19	0.050	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:14	AR2
2,4-Dichlorophenol	ND	0.38	0.073	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:14	AR2
Diethylphthalate	ND	0.38	0.073	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:14	AR2
2,4-Dimethylphenol	ND	0.38	0.098	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:14	AR2
Dimethylphthalate	ND	0.38	0.078	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:14	AR2
4,6-Dinitro-2-methylphenol	ND	0.38	0.31	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:14	AR2
2,4-Dinitrophenol	ND	0.73	0.33	mg/Kg dry	1	V-04, V-06	SW-846 8270E	7/29/23	8/8/23 21:14	AR2
2,4-Dinitrotoluene	ND	0.38	0.075	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:14	AR2
2,6-Dinitrotoluene	ND	0.38	0.085	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:14	AR2
Di-n-octylphthalate	ND	0.38	0.075	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:14	AR2
Fluoranthene	0.91	0.19	0.067	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:14	AR2
Fluorene	ND	0.19	0.074	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:14	AR2
Hexachlorobenzene	ND	0.38	0.078	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:14	AR2
Hexachlorobutadiene	ND	0.38	0.076	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:14	AR2
Hexachlorocyclopentadiene	ND	0.38	0.24	mg/Kg dry	1	V-04	SW-846 8270E	7/29/23	8/8/23 21:14	AR2

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Project Location: 250 Water St, NY, NY Sample Description: Work Order: 23G2329

Date Received: 7/18/2023

Field Sample #: 250WATERST-SB107-SS(2-4) Sampled: 7/17/2023 09:30

Sample ID: 23G2329-01

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	0.38	0.074	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:14	AR2
Indeno(1,2,3-cd)pyrene	0.22	0.19	0.082	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:14	AR2
Isophorone	ND	0.38	0.077	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:14	AR2
2-Methylnaphthalene	ND	0.19	0.074	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:14	AR2
2-Methylphenol	ND	0.38	0.075	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:14	AR2
3/4-Methylphenol	ND	0.38	0.082	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:14	AR2
Naphthalene	ND	0.19	0.075	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:14	AR2
2-Nitroaniline	ND	0.38	0.075	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:14	AR2
3-Nitroaniline	ND	0.38	0.089	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:14	AR2
4-Nitroaniline	ND	0.38	0.064	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:14	AR2
Nitrobenzene	ND	0.38	0.082	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:14	AR2
2-Nitrophenol	ND	0.38	0.078	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:14	AR2
4-Nitrophenol	ND	0.73	0.16	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:14	AR2
N-Nitrosodiphenylamine/Diphenylamine	ND	0.38	0.076	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:14	AR2
N-Nitrosodi-n-propylamine	ND	0.38	0.082	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:14	AR2
Pentachlorophenol	ND	0.38	0.17	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:14	AR2
Phenanthrene	0.63	0.19	0.074	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:14	AR2
Phenol	ND	0.38	0.088	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:14	AR2
Pyrene	1.3	0.19	0.075	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:14	AR2
1,2,4,5-Tetrachlorobenzene	ND	0.38	0.077	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:14	AR2
2,4,5-Trichlorophenol	ND	0.38	0.073	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:14	AR2
2,4,6-Trichlorophenol	ND	0.38	0.072	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:14	AR2

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
2-Fluorophenol	56.8		30-130		8/8/23 21:14
Phenol-d6	68.6		30-130		8/8/23 21:14
Nitrobenzene-d5	67.1		30-130		8/8/23 21:14
2-Fluorobiphenyl	74.3		30-130		8/8/23 21:14
2,4,6-Tribromophenol	**17.3**	*	30-130	S-07	8/8/23 21:14
p-Terphenyl-d14	110		30-130		8/8/23 21:14

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Project Location: 250 Water St, NY, NY Sample Description: Work Order: 23G2329

Date Received: 7/18/2023

Field Sample #: 250WATERST-SB107-SS(2-4) Sampled: 7/17/2023 09:30

Sample ID: 23G2329-01

Sample Matrix: Soil

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.056	0.023	mg/Kg dry	1		SW-846 8270E	7/26/23	8/1/23 12:32	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	55.2	15-110			8/1/23 12:32

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Project Location: 250 Water St, NY, NY Sample Description: Work Order: 23G2329

Date Received: 7/18/2023

Field Sample #: 250WATERST-SB107-SS(2-4) Sampled: 7/17/2023 09:30

Sample ID: 23G2329-01

Sample Matrix: Soil

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
3-Penten-2-one, 4-methyl-	2.7	mg/Kg dry	1209990	2.233	1	000141-79-7	91	SW-846 8270E	7/29/23	8/8/23 21:14	AR2
Tentatively Identified Compounds	0.0	mg/Kg dry			1	NA		SW-846 8270E	7/29/23	8/8/23 21:14	AR2

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Project Location: 250 Water St, NY, NY Sample Description: Work Order: 23G2329

Date Received: 7/18/2023

Field Sample #: 250WATERST-SB107-SS(2-4) Sampled: 7/17/2023 09:30

Sample ID: 23G2329-01

Sample Matrix: Soil

Sample Flags: DL-03, Z-01

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [1]	ND	0.11	0.033	mg/Kg dry	5		SW-846 8081B	8/3/23	8/9/23 0:35	JMB
Aldrin [1]	ND	0.028	0.0027	mg/Kg dry	5		SW-846 8081B	8/3/23	8/9/23 0:35	JMB
alpha-BHC [1]	ND	0.028	0.015	mg/Kg dry	5		SW-846 8081B	8/3/23	8/9/23 0:35	JMB
beta-BHC [1]	ND	0.028	0.012	mg/Kg dry	5		SW-846 8081B	8/3/23	8/9/23 0:35	JMB
delta-BHC [1]	ND	0.028	0.018	mg/Kg dry	5		SW-846 8081B	8/3/23	8/9/23 0:35	JMB
gamma-BHC (Lindane) [1]	ND	0.011	0.0023	mg/Kg dry	5		SW-846 8081B	8/3/23	8/9/23 0:35	JMB
Chlordane [1]	ND	0.11	0.039	mg/Kg dry	5		SW-846 8081B	8/3/23	8/9/23 0:35	JMB
4,4'-DDD [1]	ND	0.022	0.0025	mg/Kg dry	5		SW-846 8081B	8/3/23	8/9/23 0:35	JMB
4,4'-DDE [1]	ND	0.022	0.0026	mg/Kg dry	5		SW-846 8081B	8/3/23	8/9/23 0:35	JMB
4,4'-DDT [1]	0.0082	0.022	0.0023	mg/Kg dry	5	J	SW-846 8081B	8/3/23	8/9/23 0:35	JMB
Dieldrin [1]	ND	0.022	0.0021	mg/Kg dry	5		SW-846 8081B	8/3/23	8/9/23 0:35	JMB
Endosulfan I [1]	ND	0.028	0.013	mg/Kg dry	5		SW-846 8081B	8/3/23	8/9/23 0:35	JMB
Endosulfan II [1]	ND	0.044	0.013	mg/Kg dry	5		SW-846 8081B	8/3/23	8/9/23 0:35	JMB
Endosulfan sulfate [1]	ND	0.044	0.014	mg/Kg dry	5		SW-846 8081B	8/3/23	8/9/23 0:35	JMB
Endrin [1]	ND	0.044	0.014	mg/Kg dry	5		SW-846 8081B	8/3/23	8/9/23 0:35	JMB
Endrin aldehyde [1]	ND	0.044	0.027	mg/Kg dry	5		SW-846 8081B	8/3/23	8/9/23 11:08	JMB
Endrin ketone [1]	ND	0.044	0.013	mg/Kg dry	5		SW-846 8081B	8/3/23	8/9/23 0:35	JMB
Heptachlor [1]	ND	0.028	0.0027	mg/Kg dry	5		SW-846 8081B	8/3/23	8/9/23 0:35	JMB
Heptachlor epoxide [1]	ND	0.028	0.0025	mg/Kg dry	5		SW-846 8081B	8/3/23	8/9/23 0:35	JMB
Hexachlorobenzene [1]	ND	0.033	0.019	mg/Kg dry	5		SW-846 8081B	8/3/23	8/9/23 0:35	JMB
Methoxychlor [1]	ND	0.28	0.034	mg/Kg dry	5		SW-846 8081B	8/3/23	8/9/23 0:35	JMB
Toxaphene [1]	ND	0.55	0.27	mg/Kg dry	5		SW-846 8081B	8/3/23	8/9/23 0:35	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	66.8	30-150		8/9/23 0:35
Decachlorobiphenyl [2]	69.6	30-150		8/9/23 0:35
Tetrachloro-m-xylene [1]	67.0	30-150		8/9/23 0:35
Tetrachloro-m-xylene [2]	75.4	30-150		8/9/23 0:35

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Project Location: 250 Water St, NY, NY Sample Description: Work Order: 23G2329

Date Received: 7/18/2023

Field Sample #: 250WATERST-SB107-SS(2-4) Sampled: 7/17/2023 09:30

Sample ID: 23G2329-01

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	0.022	mg/Kg dry	4		SW-846 8082A	7/29/23	8/2/23 12:57	TG
Aroclor-1221 [1]	ND	0.086	0.046	mg/Kg dry	4		SW-846 8082A	7/29/23	8/2/23 12:57	TG
Aroclor-1232 [1]	ND	0.086	0.028	mg/Kg dry	4		SW-846 8082A	7/29/23	8/2/23 12:57	TG
Aroclor-1242 [1]	ND	0.086	0.026	mg/Kg dry	4		SW-846 8082A	7/29/23	8/2/23 12:57	TG
Aroclor-1248 [1]	ND	0.086	0.022	mg/Kg dry	4		SW-846 8082A	7/29/23	8/2/23 12:57	TG
Aroclor-1254 [1]	ND	0.086	0.026	mg/Kg dry	4		SW-846 8082A	7/29/23	8/2/23 12:57	TG
Aroclor-1260 [1]	ND	0.086	0.023	mg/Kg dry	4		SW-846 8082A	7/29/23	8/2/23 12:57	TG
Aroclor-1262 [1]	ND	0.086	0.026	mg/Kg dry	4		SW-846 8082A	7/29/23	8/2/23 12:57	TG
Aroclor-1268 [1]	ND	0.086	0.028	mg/Kg dry	4		SW-846 8082A	7/29/23	8/2/23 12:57	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	97.6	30-150		8/2/23 12:57
Decachlorobiphenyl [2]	107	30-150		8/2/23 12:57
Tetrachloro-m-xylene [1]	92.6	30-150		8/2/23 12:57
Tetrachloro-m-xylene [2]	93.1	30-150		8/2/23 12:57

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Project Location: 250 Water St, NY, NY Sample Description: Work Order: 23G2329

Date Received: 7/18/2023

Field Sample #: 250WATERST-SB107-SS(2-4) Sampled: 7/17/2023 09:30

Sample ID: 23G2329-01

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	4100	19	13	mg/Kg dry	1		SW-846 6010D	7/26/23	7/27/23 22:38	ATP
Antimony	ND	1.9	0.38	mg/Kg dry	1		SW-846 6010D	7/26/23	7/27/23 22:38	ATP
Arsenic	1.7	3.7	0.62	mg/Kg dry	1	J	SW-846 6010D	7/26/23	7/27/23 22:38	ATP
Barium	57	1.9	0.28	mg/Kg dry	1		SW-846 6010D	7/26/23	7/27/23 22:38	ATP
Beryllium	0.14	0.19	0.055	mg/Kg dry	1	J	SW-846 6010D	7/26/23	7/27/23 22:38	ATP
Cadmium	0.16	0.37	0.12	mg/Kg dry	1	J	SW-846 6010D	7/26/23	7/27/23 22:38	ATP
Calcium	6500	19	3.3	mg/Kg dry	1		SW-846 6010D	7/26/23	7/27/23 22:38	ATP
Chromium	9.6	0.74	0.27	mg/Kg dry	1		SW-846 6010D	7/26/23	7/27/23 22:38	ATP
Cobalt	3.5	1.9	0.27	mg/Kg dry	1		SW-846 6010D	7/26/23	7/27/23 22:38	ATP
Copper	43	0.74	0.16	mg/Kg dry	1		SW-846 6010D	7/26/23	7/29/23 14:24	MJH
Iron	7400	19	12	mg/Kg dry	1		SW-846 6010D	7/26/23	7/29/23 14:24	MJH
Lead	200	0.56	0.31	mg/Kg dry	1		SW-846 6010D	7/26/23	7/29/23 14:24	MJH
Magnesium	2200	19	2.9	mg/Kg dry	1		SW-846 6010D	7/26/23	7/27/23 22:38	ATP
Manganese	200	0.37	0.20	mg/Kg dry	1		SW-846 6010D	7/26/23	7/27/23 22:38	ATP
Mercury	2.3	0.14	0.059	mg/Kg dry	5		SW-846 7471B	7/31/23	8/2/23 13:35	AAJ
Nickel	15	0.74	0.30	mg/Kg dry	1		SW-846 6010D	7/26/23	7/27/23 22:38	ATP
Potassium	1000	190	34	mg/Kg dry	1		SW-846 6010D	7/26/23	7/27/23 22:38	ATP
Selenium	ND	3.7	0.79	mg/Kg dry	1		SW-846 6010D	7/26/23	7/27/23 22:38	ATP
Silver	1.2	0.37	0.12	mg/Kg dry	1		SW-846 6010D	7/26/23	7/27/23 22:38	ATP
Sodium	330	190	33	mg/Kg dry	1		SW-846 6010D	7/26/23	7/29/23 14:24	MJH
Thallium	ND	1.9	0.65	mg/Kg dry	1		SW-846 6010D	7/26/23	7/27/23 22:38	ATP
Vanadium	10	0.74	0.23	mg/Kg dry	1		SW-846 6010D	7/26/23	7/29/23 14:24	MJH
Zinc	89	0.74	0.25	mg/Kg dry	1		SW-846 6010D	7/26/23	7/27/23 22:38	ATP

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Project Location: 250 Water St, NY, NY Sample Description: Work Order: 23G2329

Date Received: 7/18/2023

Field Sample #: 250WATERST-SB107-SS(2-4) Sampled: 7/17/2023 09:30

Sample ID: 23G2329-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.8			% Wt	1		SM 2540G	7/21/23	7/21/23 13:05	BMV
Cyanide	ND	0.51	0.36	mg/Kg dry	1		SW-846 9014	7/18/23	7/20/23 5:54	MMH

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Project Location: 250 Water St, NY, NY | Sample Description: | Work Order: 23G2329

Date Received: 7/18/2023

Field Sample #: 250WATERST-SB107-SS(13-15) | Sampled: 7/17/2023 09:45

Sample ID: 23G2329-02

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.071	0.0064	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:37	MFF
Benzene	ND	0.0014	0.00041	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:37	MFF
Bromochloromethane	ND	0.0014	0.00056	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:37	MFF
Bromodichloromethane	ND	0.0014	0.00037	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:37	MFF
Bromoform	ND	0.0014	0.00043	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:37	MFF
Bromomethane	ND	0.0071	0.0012	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:37	MFF
2-Butanone (MEK)	ND	0.028	0.0044	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:37	MFF
Carbon Disulfide	ND	0.0071	0.0057	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:37	MFF
Carbon Tetrachloride	ND	0.0014	0.00056	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:37	MFF
Chlorobenzene	ND	0.0014	0.00040	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:37	MFF
Chlorodibromomethane	ND	0.00071	0.00045	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:37	MFF
Chloroethane	ND	0.014	0.00078	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:37	MFF
Chloroform	ND	0.0028	0.00045	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:37	MFF
Chloromethane	ND	0.0071	0.00070	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:37	MFF
Cyclohexane	ND	0.0071	0.0029	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:37	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0014	0.00056	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:37	MFF
1,2-Dibromoethane (EDB)	ND	0.00071	0.00054	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:37	MFF
1,2-Dichlorobenzene	ND	0.0014	0.00038	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:37	MFF
1,3-Dichlorobenzene	ND	0.0014	0.00039	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:37	MFF
1,4-Dichlorobenzene	ND	0.0014	0.00043	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:37	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.014	0.00073	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:37	MFF
1,1-Dichloroethane	ND	0.0014	0.00049	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:37	MFF
1,2-Dichloroethane	ND	0.0014	0.00047	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:37	MFF
1,1-Dichloroethylene	ND	0.0028	0.00058	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:37	MFF
cis-1,2-Dichloroethylene	ND	0.0014	0.00045	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:37	MFF
trans-1,2-Dichloroethylene	ND	0.0014	0.00052	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:37	MFF
1,2-Dichloropropane	ND	0.0014	0.00044	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:37	MFF
cis-1,3-Dichloropropene	ND	0.00071	0.00040	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:37	MFF
trans-1,3-Dichloropropene	ND	0.00071	0.00043	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:37	MFF
1,4-Dioxane	ND	0.071	0.032	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:37	MFF
Ethylbenzene	ND	0.0014	0.00042	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:37	MFF
2-Hexanone (MBK)	ND	0.014	0.0036	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:37	MFF
Isopropylbenzene (Cumene)	ND	0.0014	0.00044	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:37	MFF
Methyl Acetate	ND	0.0014	0.0010	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:37	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0028	0.00048	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:37	MFF
Methyl Cyclohexane	ND	0.0028	0.00055	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:37	MFF
Methylene Chloride	0.0050	0.014	0.00068	mg/Kg dry	1	J	SW-846 8260D	7/19/23	7/19/23 14:37	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.014	0.0031	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:37	MFF
Styrene	ND	0.0014	0.00035	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:37	MFF
1,1,2,2-Tetrachloroethane	ND	0.00071	0.00039	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:37	MFF
Tetrachloroethylene	ND	0.0014	0.00060	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:37	MFF
Toluene	ND	0.0014	0.00048	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:37	MFF
1,2,3-Trichlorobenzene	ND	0.0014	0.00040	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:37	MFF
1,2,4-Trichlorobenzene	ND	0.0014	0.00043	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:37	MFF

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Project Location: 250 Water St, NY, NY | Sample Description: | Work Order: 23G2329

Date Received: 7/18/2023

Field Sample #: 250WATERST-SB107-SS(13-15) | Sampled: 7/17/2023 09:45

Sample ID: 23G2329-02

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	0.0014	0.00054	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:37	MFF
1,1,2-Trichloroethane	ND	0.0014	0.00038	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:37	MFF
Trichloroethylene	ND	0.0014	0.00057	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:37	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0071	0.00053	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:37	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0071	0.00061	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:37	MFF
Vinyl Chloride	ND	0.0071	0.00053	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:37	MFF
Xylenes (total)	ND	0.0014	0.0014	mg/Kg dry	1		SW-846 8260D	7/19/23	7/19/23 14:37	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	124	70-130		7/19/23 14:37
Toluene-d8	98.7	70-130		7/19/23 14:37
4-Bromofluorobenzene	101	70-130		7/19/23 14:37

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water St, NY, NY Sample Description: Work Order: 23G2329

Date Received: 7/18/2023

Field Sample #: 250WATERST-SB107-SS(13-15) Sampled: 7/17/2023 09:45

Sample ID: 23G2329-02

Sample Matrix: Soil

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	mg/Kg dry			1			SW-846 8260D	7/19/23	7/19/23 14:37	MFF

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Project Location: 250 Water St, NY, NY | Sample Description: | Work Order: 23G2329

Date Received: 7/18/2023

Field Sample #: 250WATERST-SB107-SS(13-15) | Sampled: 7/17/2023 09:45

Sample ID: 23G2329-02

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	0.69	0.048	mg/Kg dry	1	V-06	SW-846 8270E	7/29/23	8/8/23 21:35	AR2
Benzaldehyde	ND	0.35	0.033	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:35	AR2
Biphenyl	ND	0.69	0.055	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:35	AR2
Caprolactam	ND	0.35	0.050	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:35	AR2
Acenaphthene	ND	0.18	0.067	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:35	AR2
Acenaphthylene	ND	0.18	0.069	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:35	AR2
Acetophenone	ND	0.35	0.069	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:35	AR2
Anthracene	ND	0.18	0.067	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:35	AR2
Benzo(a)anthracene	ND	0.18	0.063	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:35	AR2
Benzo(a)pyrene	ND	0.18	0.058	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:35	AR2
Benzo(b)fluoranthene	ND	0.18	0.059	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:35	AR2
Benzo(g,h,i)perylene	ND	0.18	0.073	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:35	AR2
Benzo(k)fluoranthene	ND	0.18	0.063	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:35	AR2
Bis(2-chloroethoxy)methane	ND	0.35	0.068	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:35	AR2
Bis(2-chloroethyl)ether	ND	0.35	0.073	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:35	AR2
Bis(2-chloroisopropyl)ether	ND	0.35	0.15	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:35	AR2
Bis(2-Ethylhexyl)phthalate	ND	0.35	0.071	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:35	AR2
4-Bromophenylphenylether	ND	0.35	0.072	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:35	AR2
Butylbenzylphthalate	ND	0.35	0.066	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:35	AR2
Carbazole	ND	0.18	0.068	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:35	AR2
4-Chloroaniline	ND	0.68	0.062	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:35	AR2
4-Chloro-3-methylphenol	ND	0.68	0.069	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:35	AR2
2-Chloronaphthalene	ND	0.35	0.062	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:35	AR2
2-Chlorophenol	ND	0.35	0.071	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:35	AR2
4-Chlorophenylphenylether	ND	0.35	0.068	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:35	AR2
Chrysene	ND	0.18	0.063	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:35	AR2
Dibenz(a,h)anthracene	ND	0.18	0.067	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:35	AR2
Dibenzofuran	ND	0.35	0.069	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:35	AR2
Di-n-butylphthalate	ND	0.35	0.064	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:35	AR2
3,3-Dichlorobenzidine	ND	0.18	0.046	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:35	AR2
2,4-Dichlorophenol	ND	0.35	0.067	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:35	AR2
Diethylphthalate	ND	0.35	0.068	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:35	AR2
2,4-Dimethylphenol	ND	0.35	0.091	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:35	AR2
Dimethylphthalate	ND	0.35	0.072	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:35	AR2
4,6-Dinitro-2-methylphenol	ND	0.35	0.28	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:35	AR2
2,4-Dinitrophenol	ND	0.68	0.31	mg/Kg dry	1	V-04, V-06	SW-846 8270E	7/29/23	8/8/23 21:35	AR2
2,4-Dinitrotoluene	ND	0.35	0.070	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:35	AR2
2,6-Dinitrotoluene	ND	0.35	0.079	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:35	AR2
Di-n-octylphthalate	ND	0.35	0.069	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:35	AR2
Fluoranthene	ND	0.18	0.062	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:35	AR2
Fluorene	ND	0.18	0.068	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:35	AR2
Hexachlorobenzene	ND	0.35	0.073	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:35	AR2
Hexachlorobutadiene	ND	0.35	0.071	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:35	AR2
Hexachlorocyclopentadiene	ND	0.35	0.23	mg/Kg dry	1	V-04	SW-846 8270E	7/29/23	8/8/23 21:35	AR2

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Project Location: 250 Water St, NY, NY Sample Description: Work Order: 23G2329

Date Received: 7/18/2023

Field Sample #: 250WATERST-SB107-SS(13-15) Sampled: 7/17/2023 09:45

Sample ID: 23G2329-02

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	0.35	0.068	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:35	AR2
Indeno(1,2,3-cd)pyrene	ND	0.18	0.076	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:35	AR2
Isophorone	ND	0.35	0.071	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:35	AR2
2-Methylnaphthalene	ND	0.18	0.068	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:35	AR2
2-Methylphenol	ND	0.35	0.069	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:35	AR2
3/4-Methylphenol	ND	0.35	0.076	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:35	AR2
Naphthalene	ND	0.18	0.070	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:35	AR2
2-Nitroaniline	ND	0.35	0.070	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:35	AR2
3-Nitroaniline	ND	0.35	0.082	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:35	AR2
4-Nitroaniline	ND	0.35	0.059	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:35	AR2
Nitrobenzene	ND	0.35	0.075	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:35	AR2
2-Nitrophenol	ND	0.35	0.072	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:35	AR2
4-Nitrophenol	ND	0.68	0.15	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:35	AR2
N-Nitrosodiphenylamine/Diphenylamine	ND	0.35	0.070	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:35	AR2
N-Nitrosodi-n-propylamine	ND	0.35	0.076	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:35	AR2
Pentachlorophenol	ND	0.35	0.16	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:35	AR2
Phenanthrene	ND	0.18	0.068	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:35	AR2
Phenol	ND	0.35	0.081	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:35	AR2
Pyrene	ND	0.18	0.070	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:35	AR2
1,2,4,5-Tetrachlorobenzene	ND	0.35	0.072	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:35	AR2
2,4,5-Trichlorophenol	ND	0.35	0.068	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:35	AR2
2,4,6-Trichlorophenol	ND	0.35	0.067	mg/Kg dry	1		SW-846 8270E	7/29/23	8/8/23 21:35	AR2

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	72.6	30-130		8/8/23 21:35
Phenol-d6	76.2	30-130		8/8/23 21:35
Nitrobenzene-d5	74.7	30-130		8/8/23 21:35
2-Fluorobiphenyl	78.8	30-130		8/8/23 21:35
2,4,6-Tribromophenol	89.2	30-130		8/8/23 21:35
p-Terphenyl-d14	115	30-130		8/8/23 21:35

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Project Location: 250 Water St, NY, NY Sample Description: Work Order: 23G2329

Date Received: 7/18/2023

Field Sample #: 250WATERST-SB107-SS(13-15) Sampled: 7/17/2023 09:45

Sample ID: 23G2329-02

Sample Matrix: Soil

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.051	0.021	mg/Kg dry	1		SW-846 8270E	7/26/23	8/1/23 12:13	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,4-Dioxane-d8	56.5	15-110		8/1/23 12:13

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Project Location: 250 Water St, NY, NY Sample Description: Work Order: 23G2329

Date Received: 7/18/2023

Field Sample #: 250WATERST-SB107-SS(13-15) Sampled: 7/17/2023 09:45

Sample ID: 23G2329-02

Sample Matrix: Soil

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
3-Penten-2-one, 4-methyl-	2.5	mg/Kg dry	1313250	2.231	1	000141-79-7	91	SW-846 8270E	7/29/23	8/8/23 21:35	AR2
Tentatively Identified Compounds	0.0	mg/Kg dry			1	NA		SW-846 8270E	7/29/23	8/8/23 21:35	AR2

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Project Location: 250 Water St, NY, NY | Sample Description: | Work Order: 23G2329

Date Received: 7/18/2023

Field Sample #: 250WATERST-SB107-SS(13-15) | Sampled: 7/17/2023 09:45

Sample ID: 23G2329-02

Sample Matrix: Soil

Sample Flags: Z-01

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [1]	ND	0.020	0.0061	mg/Kg dry	1		SW-846 8081B	8/3/23	8/9/23 1:02	JMB
Aldrin [1]	ND	0.0051	0.00050	mg/Kg dry	1		SW-846 8081B	8/3/23	8/9/23 1:02	JMB
alpha-BHC [1]	ND	0.0051	0.0027	mg/Kg dry	1		SW-846 8081B	8/3/23	8/9/23 1:02	JMB
beta-BHC [1]	ND	0.0051	0.0023	mg/Kg dry	1		SW-846 8081B	8/3/23	8/9/23 1:02	JMB
delta-BHC [1]	ND	0.0051	0.0034	mg/Kg dry	1		SW-846 8081B	8/3/23	8/9/23 1:02	JMB
gamma-BHC (Lindane) [1]	ND	0.0020	0.00043	mg/Kg dry	1		SW-846 8081B	8/3/23	8/9/23 1:02	JMB
Chlordane [1]	ND	0.020	0.0072	mg/Kg dry	1		SW-846 8081B	8/3/23	8/9/23 1:02	JMB
4,4'-DDD [1]	ND	0.0041	0.00045	mg/Kg dry	1		SW-846 8081B	8/3/23	8/9/23 1:02	JMB
4,4'-DDE [1]	ND	0.0041	0.00047	mg/Kg dry	1		SW-846 8081B	8/3/23	8/9/23 1:02	JMB
4,4'-DDT [1]	ND	0.0041	0.00043	mg/Kg dry	1		SW-846 8081B	8/3/23	8/9/23 1:02	JMB
Dieldrin [1]	ND	0.0041	0.00040	mg/Kg dry	1		SW-846 8081B	8/3/23	8/9/23 1:02	JMB
Endosulfan I [1]	ND	0.0051	0.0025	mg/Kg dry	1		SW-846 8081B	8/3/23	8/9/23 1:02	JMB
Endosulfan II [1]	ND	0.0081	0.0025	mg/Kg dry	1		SW-846 8081B	8/3/23	8/9/23 1:02	JMB
Endosulfan sulfate [1]	ND	0.0081	0.0025	mg/Kg dry	1		SW-846 8081B	8/3/23	8/9/23 1:02	JMB
Endrin [1]	ND	0.0081	0.0025	mg/Kg dry	1		SW-846 8081B	8/3/23	8/9/23 1:02	JMB
Endrin aldehyde [1]	ND	0.0081	0.0050	mg/Kg dry	1		SW-846 8081B	8/3/23	8/9/23 11:35	JMB
Endrin ketone [1]	ND	0.0081	0.0024	mg/Kg dry	1		SW-846 8081B	8/3/23	8/9/23 1:02	JMB
Heptachlor [1]	ND	0.0051	0.00050	mg/Kg dry	1		SW-846 8081B	8/3/23	8/9/23 1:02	JMB
Heptachlor epoxide [1]	ND	0.0051	0.00046	mg/Kg dry	1		SW-846 8081B	8/3/23	8/9/23 1:02	JMB
Hexachlorobenzene [1]	ND	0.0061	0.0034	mg/Kg dry	1		SW-846 8081B	8/3/23	8/9/23 1:02	JMB
Methoxychlor [1]	ND	0.051	0.0063	mg/Kg dry	1		SW-846 8081B	8/3/23	8/9/23 1:02	JMB
Toxaphene [1]	ND	0.10	0.049	mg/Kg dry	1		SW-846 8081B	8/3/23	8/9/23 1:02	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	58.9	30-150		8/9/23 1:02
Decachlorobiphenyl [2]	61.5	30-150		8/9/23 1:02
Tetrachloro-m-xylene [1]	57.5	30-150		8/9/23 1:02
Tetrachloro-m-xylene [2]	59.2	30-150		8/9/23 1:02

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Project Location: 250 Water St, NY, NY | Sample Description: | Work Order: 23G2329

Date Received: 7/18/2023

Field Sample #: 250WATERST-SB107-SS(13-15) | Sampled: 7/17/2023 09:45

Sample ID: 23G2329-02

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.081	0.021	mg/Kg dry	4		SW-846 8082A	7/29/23	8/2/23 13:14	TG
Aroclor-1221 [1]	ND	0.081	0.043	mg/Kg dry	4		SW-846 8082A	7/29/23	8/2/23 13:14	TG
Aroclor-1232 [1]	ND	0.081	0.026	mg/Kg dry	4		SW-846 8082A	7/29/23	8/2/23 13:14	TG
Aroclor-1242 [1]	ND	0.081	0.024	mg/Kg dry	4		SW-846 8082A	7/29/23	8/2/23 13:14	TG
Aroclor-1248 [1]	ND	0.081	0.020	mg/Kg dry	4		SW-846 8082A	7/29/23	8/2/23 13:14	TG
Aroclor-1254 [1]	ND	0.081	0.024	mg/Kg dry	4		SW-846 8082A	7/29/23	8/2/23 13:14	TG
Aroclor-1260 [1]	ND	0.081	0.022	mg/Kg dry	4		SW-846 8082A	7/29/23	8/2/23 13:14	TG
Aroclor-1262 [1]	ND	0.081	0.024	mg/Kg dry	4		SW-846 8082A	7/29/23	8/2/23 13:14	TG
Aroclor-1268 [1]	ND	0.081	0.027	mg/Kg dry	4		SW-846 8082A	7/29/23	8/2/23 13:14	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	105	30-150		8/2/23 13:14
Decachlorobiphenyl [2]	109	30-150		8/2/23 13:14
Tetrachloro-m-xylene [1]	84.6	30-150		8/2/23 13:14
Tetrachloro-m-xylene [2]	85.5	30-150		8/2/23 13:14

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Project Location: 250 Water St, NY, NY Sample Description: Work Order: 23G2329

Date Received: 7/18/2023

Field Sample #: 250WATERST-SB107-SS(13-15) Sampled: 7/17/2023 09:45

Sample ID: 23G2329-02

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	2600	17	12	mg/Kg dry	1		SW-846 6010D	7/26/23	7/27/23 22:45	ATP
Antimony	ND	1.7	0.35	mg/Kg dry	1		SW-846 6010D	7/26/23	7/27/23 22:45	ATP
Arsenic	ND	3.4	0.57	mg/Kg dry	1		SW-846 6010D	7/26/23	7/27/23 22:45	ATP
Barium	34	1.7	0.26	mg/Kg dry	1		SW-846 6010D	7/26/23	7/27/23 22:45	ATP
Beryllium	0.057	0.17	0.050	mg/Kg dry	1	J	SW-846 6010D	7/26/23	7/27/23 22:45	ATP
Cadmium	ND	0.34	0.11	mg/Kg dry	1		SW-846 6010D	7/26/23	7/27/23 22:45	ATP
Calcium	2500	17	3.1	mg/Kg dry	1		SW-846 6010D	7/26/23	7/27/23 22:45	ATP
Chromium	6.4	0.68	0.25	mg/Kg dry	1		SW-846 6010D	7/26/23	7/27/23 22:45	ATP
Cobalt	2.0	1.7	0.25	mg/Kg dry	1		SW-846 6010D	7/26/23	7/27/23 22:45	ATP
Copper	7.2	0.68	0.15	mg/Kg dry	1		SW-846 6010D	7/26/23	7/29/23 14:30	MJH
Iron	5000	17	11	mg/Kg dry	1		SW-846 6010D	7/26/23	7/29/23 14:30	MJH
Lead	9.0	0.51	0.28	mg/Kg dry	1		SW-846 6010D	7/26/23	7/29/23 14:30	MJH
Magnesium	1700	17	2.6	mg/Kg dry	1		SW-846 6010D	7/26/23	7/27/23 22:45	ATP
Manganese	160	0.34	0.18	mg/Kg dry	1		SW-846 6010D	7/26/23	7/27/23 22:45	ATP
Mercury	ND	0.025	0.011	mg/Kg dry	1		SW-846 7471B	7/31/23	8/1/23 17:28	AAJ
Nickel	8.5	0.68	0.28	mg/Kg dry	1		SW-846 6010D	7/26/23	7/27/23 22:45	ATP
Potassium	780	170	31	mg/Kg dry	1		SW-846 6010D	7/26/23	7/27/23 22:45	ATP
Selenium	ND	3.4	0.73	mg/Kg dry	1		SW-846 6010D	7/26/23	7/27/23 22:45	ATP
Silver	0.49	0.34	0.11	mg/Kg dry	1		SW-846 6010D	7/26/23	7/27/23 22:45	ATP
Sodium	150	170	30	mg/Kg dry	1	J	SW-846 6010D	7/26/23	7/29/23 14:30	MJH
Thallium	ND	1.7	0.59	mg/Kg dry	1		SW-846 6010D	7/26/23	7/27/23 22:45	ATP
Vanadium	7.0	0.68	0.21	mg/Kg dry	1		SW-846 6010D	7/26/23	7/29/23 14:30	MJH
Zinc	11	0.68	0.23	mg/Kg dry	1		SW-846 6010D	7/26/23	7/27/23 22:45	ATP

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water St, NY, NY Sample Description: Work Order: 23G2329

Date Received: 7/18/2023

Field Sample #: 250WATERST-SB107-SS(13-15) Sampled: 7/17/2023 09:45

Sample ID: 23G2329-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.5			% Wt	1		SM 2540G	7/21/23	7/21/23 13:05	BMV
Cyanide	0.31	0.43	0.31	mg/Kg dry	1	J	SW-846 9014	7/18/23	7/20/23 5:54	MMH

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Project Location: 250 Water St, NY, NY | Sample Description: | Work Order: 23G2329

Date Received: 7/18/2023

Field Sample #: 250WATERST-EB-20230717-1 | Sampled: 7/17/2023 08:00

Sample ID: 23G2329-03

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:18	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:18	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:18	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:18	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:18	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:18	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:18	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:18	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 0:18	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:18	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:18	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:18	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:18	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:18	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:18	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:18	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:18	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:18	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:18	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:18	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:18	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:18	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:18	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:18	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:18	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:18	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:18	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:18	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:18	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:18	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:18	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:18	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:18	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:18	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:18	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:18	EEH
Methylene Chloride	0.29	5.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 0:18	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:18	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:18	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:18	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:18	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:18	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:18	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 0:18	EEH

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Project Location: 250 Water St, NY, NY Sample Description: Work Order: 23G2329

Date Received: 7/18/2023

Field Sample #: 250WATERST-EB-20230717-1 Sampled: 7/17/2023 08:00

Sample ID: 23G2329-03

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:18	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:18	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:18	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:18	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:18	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:18	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:18	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	101	70-130		7/22/23 0:18
Toluene-d8	97.4	70-130		7/22/23 0:18
4-Bromofluorobenzene	84.8	70-130		7/22/23 0:18

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Project Location: 250 Water St, NY, NY Sample Description: Work Order: 23G2329

Date Received: 7/18/2023

Field Sample #: 250WATERST-EB-20230717-1 Sampled: 7/17/2023 08:00

Sample ID: 23G2329-03

Sample Matrix: Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			1			SW-846 8260D	7/21/23	7/22/23 0:18	ZZZ

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Project Location: 250 Water St, NY, NY | Sample Description: | Work Order: 23G2329

Date Received: 7/18/2023

Field Sample #: 250WATERST-EB-20230717-1 | Sampled: 7/17/2023 08:00

Sample ID: 23G2329-03

Sample Matrix: Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	20	1.7	µg/L	1		SW-846 8270E	7/20/23	7/24/23 13:06	BGL
Benzaldehyde	ND	10	0.74	µg/L	1		SW-846 8270E	7/20/23	7/24/23 13:06	BGL
Biphenyl	ND	20	0.94	µg/L	1		SW-846 8270E	7/20/23	7/24/23 13:06	BGL
Caprolactam	ND	10	0.73	µg/L	1	L-04	SW-846 8270E	7/20/23	7/24/23 13:06	BGL
Acenaphthene	ND	5.1	0.80	µg/L	1		SW-846 8270E	7/20/23	7/24/23 13:06	BGL
Acenaphthylene	ND	5.1	0.65	µg/L	1		SW-846 8270E	7/20/23	7/24/23 13:06	BGL
Acetophenone	ND	10	0.51	µg/L	1		SW-846 8270E	7/20/23	7/24/23 13:06	BGL
Anthracene	ND	5.1	0.55	µg/L	1		SW-846 8270E	7/20/23	7/24/23 13:06	BGL
Benzo(a)anthracene	ND	5.1	0.38	µg/L	1		SW-846 8270E	7/20/23	7/24/23 13:06	BGL
Benzo(a)pyrene	ND	5.1	0.44	µg/L	1		SW-846 8270E	7/20/23	7/24/23 13:06	BGL
Benzo(b)fluoranthene	ND	5.1	0.33	µg/L	1		SW-846 8270E	7/20/23	7/24/23 13:06	BGL
Benzo(g,h,i)perylene	ND	5.1	0.53	µg/L	1		SW-846 8270E	7/20/23	7/24/23 13:06	BGL
Benzo(k)fluoranthene	ND	5.1	0.47	µg/L	1		SW-846 8270E	7/20/23	7/24/23 13:06	BGL
Bis(2-chloroethoxy)methane	ND	10	0.59	µg/L	1		SW-846 8270E	7/20/23	7/24/23 13:06	BGL
Bis(2-chloroethyl)ether	ND	10	0.47	µg/L	1		SW-846 8270E	7/20/23	7/24/23 13:06	BGL
Bis(2-chloroisopropyl)ether	ND	10	0.76	µg/L	1		SW-846 8270E	7/20/23	7/24/23 13:06	BGL
Bis(2-Ethylhexyl)phthalate	ND	10	0.33	µg/L	1	V-04	SW-846 8270E	7/20/23	7/24/23 13:06	BGL
4-Bromophenylphenylether	ND	10	0.73	µg/L	1		SW-846 8270E	7/20/23	7/24/23 13:06	BGL
Butylbenzylphthalate	ND	10	0.40	µg/L	1	V-35	SW-846 8270E	7/20/23	7/24/23 13:06	BGL
Carbazole	ND	10	0.47	µg/L	1		SW-846 8270E	7/20/23	7/24/23 13:06	BGL
4-Chloroaniline	ND	10	5.3	µg/L	1		SW-846 8270E	7/20/23	7/24/23 13:06	BGL
4-Chloro-3-methylphenol	ND	10	0.65	µg/L	1		SW-846 8270E	7/20/23	7/24/23 13:06	BGL
2-Chloronaphthalene	ND	10	0.83	µg/L	1		SW-846 8270E	7/20/23	7/24/23 13:06	BGL
2-Chlorophenol	ND	10	0.42	µg/L	1		SW-846 8270E	7/20/23	7/24/23 13:06	BGL
4-Chlorophenylphenylether	ND	10	0.89	µg/L	1		SW-846 8270E	7/20/23	7/24/23 13:06	BGL
Chrysene	ND	5.1	0.47	µg/L	1		SW-846 8270E	7/20/23	7/24/23 13:06	BGL
Dibenz(a,h)anthracene	ND	5.1	0.49	µg/L	1		SW-846 8270E	7/20/23	7/24/23 13:06	BGL
Dibenzofuran	ND	5.1	0.87	µg/L	1		SW-846 8270E	7/20/23	7/24/23 13:06	BGL
Di-n-butylphthalate	ND	10	0.51	µg/L	1		SW-846 8270E	7/20/23	7/24/23 13:06	BGL
3,3-Dichlorobenzidine	ND	10	0.47	µg/L	1		SW-846 8270E	7/20/23	7/24/23 13:06	BGL
2,4-Dichlorophenol	ND	10	0.48	µg/L	1		SW-846 8270E	7/20/23	7/24/23 13:06	BGL
Diethylphthalate	ND	10	0.57	µg/L	1		SW-846 8270E	7/20/23	7/24/23 13:06	BGL
2,4-Dimethylphenol	ND	10	0.42	µg/L	1		SW-846 8270E	7/20/23	7/24/23 13:06	BGL
Dimethylphthalate	ND	10	0.45	µg/L	1		SW-846 8270E	7/20/23	7/24/23 13:06	BGL
4,6-Dinitro-2-methylphenol	ND	20	2.4	µg/L	1	V-04	SW-846 8270E	7/20/23	7/24/23 13:06	BGL
2,4-Dinitrophenol	ND	10	1.4	µg/L	1	V-04	SW-846 8270E	7/20/23	7/24/23 13:06	BGL
2,4-Dinitrotoluene	ND	10	0.36	µg/L	1		SW-846 8270E	7/20/23	7/24/23 13:06	BGL
2,6-Dinitrotoluene	ND	10	0.56	µg/L	1		SW-846 8270E	7/20/23	7/24/23 13:06	BGL
Di-n-octylphthalate	ND	10	0.33	µg/L	1	V-04	SW-846 8270E	7/20/23	7/24/23 13:06	BGL
Fluoranthene	ND	5.1	0.57	µg/L	1		SW-846 8270E	7/20/23	7/24/23 13:06	BGL
Fluorene	ND	5.1	0.77	µg/L	1		SW-846 8270E	7/20/23	7/24/23 13:06	BGL
Hexachlorobenzene	ND	10	0.74	µg/L	1		SW-846 8270E	7/20/23	7/24/23 13:06	BGL
Hexachlorobutadiene	ND	10	1.3	µg/L	1		SW-846 8270E	7/20/23	7/24/23 13:06	BGL
Hexachlorocyclopentadiene	ND	10	2.9	µg/L	1		SW-846 8270E	7/20/23	7/24/23 13:06	BGL

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Project Location: 250 Water St, NY, NY Sample Description: Work Order: 23G2329

Date Received: 7/18/2023

Field Sample #: 250WATERST-EB-20230717-1 Sampled: 7/17/2023 08:00

Sample ID: 23G2329-03

Sample Matrix: Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	10	1.3	µg/L	1	L-04	SW-846 8270E	7/20/23	7/24/23 13:06	BGL
Indeno(1,2,3-cd)pyrene	ND	5.1	0.49	µg/L	1		SW-846 8270E	7/20/23	7/24/23 13:06	BGL
Isophorone	ND	10	0.55	µg/L	1		SW-846 8270E	7/20/23	7/24/23 13:06	BGL
2-Methylnaphthalene	ND	5.1	0.95	µg/L	1		SW-846 8270E	7/20/23	7/24/23 13:06	BGL
2-Methylphenol	ND	10	0.47	µg/L	1		SW-846 8270E	7/20/23	7/24/23 13:06	BGL
3/4-Methylphenol	ND	10	0.49	µg/L	1		SW-846 8270E	7/20/23	7/24/23 13:06	BGL
Naphthalene	ND	5.1	0.92	µg/L	1		SW-846 8270E	7/20/23	7/24/23 13:06	BGL
2-Nitroaniline	ND	10	0.51	µg/L	1		SW-846 8270E	7/20/23	7/24/23 13:06	BGL
3-Nitroaniline	ND	10	0.53	µg/L	1		SW-846 8270E	7/20/23	7/24/23 13:06	BGL
4-Nitroaniline	ND	10	0.45	µg/L	1		SW-846 8270E	7/20/23	7/24/23 13:06	BGL
Nitrobenzene	ND	10	0.69	µg/L	1		SW-846 8270E	7/20/23	7/24/23 13:06	BGL
2-Nitrophenol	ND	10	0.55	µg/L	1		SW-846 8270E	7/20/23	7/24/23 13:06	BGL
4-Nitrophenol	ND	10	1.3	µg/L	1		SW-846 8270E	7/20/23	7/24/23 13:06	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	10	0.49	µg/L	1		SW-846 8270E	7/20/23	7/24/23 13:06	BGL
N-Nitrosodi-n-propylamine	ND	10	0.67	µg/L	1		SW-846 8270E	7/20/23	7/24/23 13:06	BGL
Pentachlorophenol	ND	10	0.49	µg/L	1		SW-846 8270E	7/20/23	7/24/23 13:06	BGL
Phenanthrene	ND	5.1	0.73	µg/L	1		SW-846 8270E	7/20/23	7/24/23 13:06	BGL
Phenol	7.5	10	0.61	µg/L	1	J	SW-846 8270E	7/20/23	7/24/23 13:06	BGL
Pyrene	ND	5.1	0.47	µg/L	1		SW-846 8270E	7/20/23	7/24/23 13:06	BGL
1,2,4,5-Tetrachlorobenzene	ND	10	1.2	µg/L	1		SW-846 8270E	7/20/23	7/24/23 13:06	BGL
2,4,5-Trichlorophenol	ND	10	0.46	µg/L	1		SW-846 8270E	7/20/23	7/24/23 13:06	BGL
2,4,6-Trichlorophenol	ND	10	0.38	µg/L	1		SW-846 8270E	7/20/23	7/24/23 13:06	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	59.2	15-110		7/24/23 13:06
Phenol-d6	39.8	15-110		7/24/23 13:06
Nitrobenzene-d5	77.6	30-130		7/24/23 13:06
2-Fluorobiphenyl	73.5	30-130		7/24/23 13:06
2,4,6-Tribromophenol	91.2	15-110		7/24/23 13:06
p-Terphenyl-d14	103	30-130		7/24/23 13:06

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Project Location: 250 Water St, NY, NY Sample Description: Work Order: 23G2329

Date Received: 7/18/2023

Field Sample #: 250WATERST-EB-20230717-1 Sampled: 7/17/2023 08:00

Sample ID: 23G2329-03

Sample Matrix: Water

Sample Flags: H-06

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.20	0.033	µg/L	1		SW-846 8270E	7/28/23	7/31/23 16:22	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,4-Dioxane-d8	28.6	15-110		7/31/23 16:22

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Project Location: 250 Water St, NY, NY Sample Description: Work Order: 23G2329

Date Received: 7/18/2023

Field Sample #: 250WATERST-EB-20230717-1 Sampled: 7/17/2023 08:00

Sample ID: 23G2329-03

Sample Matrix: Water

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			1			SW-846 8270E	7/20/23	7/24/23 13:06	BGL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water St, NY, NY Sample Description: Work Order: 23G2329

Date Received: 7/18/2023

Field Sample #: 250WATERST-EB-20230717-1 Sampled: 7/17/2023 08:00

Sample ID: 23G2329-03

Sample Matrix: Water

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [1]	ND	0.21	0.039	µg/L	1		SW-846 8081B	7/24/23	7/25/23 17:44	TG
Aldrin [1]	ND	0.052	0.0075	µg/L	1	R-05	SW-846 8081B	7/24/23	7/25/23 17:44	TG
alpha-BHC [1]	ND	0.052	0.0038	µg/L	1		SW-846 8081B	7/24/23	7/25/23 17:44	TG
beta-BHC [1]	ND	0.052	0.0086	µg/L	1		SW-846 8081B	7/24/23	7/25/23 17:44	TG
delta-BHC [1]	ND	0.052	0.0062	µg/L	1		SW-846 8081B	7/24/23	7/25/23 17:44	TG
gamma-BHC (Lindane) [1]	ND	0.031	0.0043	µg/L	1		SW-846 8081B	7/24/23	7/25/23 17:44	TG
Chlordane [1]	ND	0.21	0.035	µg/L	1		SW-846 8081B	7/24/23	7/25/23 17:44	TG
4,4'-DDD [1]	ND	0.042	0.0044	µg/L	1		SW-846 8081B	7/24/23	7/25/23 17:44	TG
4,4'-DDE [1]	ND	0.042	0.0052	µg/L	1		SW-846 8081B	7/24/23	7/25/23 17:44	TG
4,4'-DDT [1]	ND	0.042	0.0063	µg/L	1		SW-846 8081B	7/24/23	7/25/23 17:44	TG
Dieldrin [1]	ND	0.0021	0.0011	µg/L	1		SW-846 8081B	7/24/23	7/25/23 17:44	TG
Endosulfan I [1]	ND	0.052	0.0054	µg/L	1		SW-846 8081B	7/24/23	7/25/23 17:44	TG
Endosulfan II [1]	ND	0.083	0.0040	µg/L	1		SW-846 8081B	7/24/23	7/25/23 17:44	TG
Endosulfan sulfate [1]	ND	0.083	0.0067	µg/L	1		SW-846 8081B	7/24/23	7/25/23 17:44	TG
Endrin [1]	ND	0.083	0.0043	µg/L	1		SW-846 8081B	7/24/23	7/25/23 17:44	TG
Endrin aldehyde [1]	ND	0.083	0.0046	µg/L	1		SW-846 8081B	7/24/23	7/25/23 20:16	TG
Endrin ketone [1]	ND	0.083	0.0041	µg/L	1		SW-846 8081B	7/24/23	7/25/23 17:44	TG
Heptachlor [1]	ND	0.052	0.0063	µg/L	1	R-05	SW-846 8081B	7/24/23	7/25/23 17:44	TG
Heptachlor epoxide [1]	ND	0.052	0.0072	µg/L	1		SW-846 8081B	7/24/23	7/25/23 17:44	TG
Hexachlorobenzene [1]	ND	0.052	0.029	µg/L	1		SW-846 8081B	7/24/23	7/25/23 17:44	TG
Methoxychlor [1]	ND	0.52	0.011	µg/L	1		SW-846 8081B	7/24/23	7/25/23 17:44	TG
Toxaphene [1]	ND	1.0	0.69	µg/L	1		SW-846 8081B	7/24/23	7/25/23 17:44	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	78.5	30-150		7/25/23 17:44
Decachlorobiphenyl [2]	75.1	30-150		7/25/23 17:44
Tetrachloro-m-xylene [1]	60.3	30-150		7/25/23 17:44
Tetrachloro-m-xylene [2]	56.9	30-150		7/25/23 17:44

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water St, NY, NY | Sample Description: | Work Order: 23G2329

Date Received: 7/18/2023

Field Sample #: 250WATERST-EB-20230717-1 | Sampled: 7/17/2023 08:00

Sample ID: 23G2329-03

Sample Matrix: Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.21	0.13	µg/L	1		SW-846 8082A	7/24/23	7/25/23 11:54	SFM
Aroclor-1221 [1]	ND	0.21	0.084	µg/L	1		SW-846 8082A	7/24/23	7/25/23 11:54	SFM
Aroclor-1232 [1]	ND	0.21	0.050	µg/L	1		SW-846 8082A	7/24/23	7/25/23 11:54	SFM
Aroclor-1242 [1]	ND	0.21	0.072	µg/L	1		SW-846 8082A	7/24/23	7/25/23 11:54	SFM
Aroclor-1248 [1]	ND	0.21	0.059	µg/L	1		SW-846 8082A	7/24/23	7/25/23 11:54	SFM
Aroclor-1254 [1]	ND	0.21	0.078	µg/L	1		SW-846 8082A	7/24/23	7/25/23 11:54	SFM
Aroclor-1260 [1]	ND	0.21	0.12	µg/L	1		SW-846 8082A	7/24/23	7/25/23 11:54	SFM
Aroclor-1262 [1]	ND	0.21	0.061	µg/L	1		SW-846 8082A	7/24/23	7/25/23 11:54	SFM
Aroclor-1268 [1]	ND	0.21	0.057	µg/L	1		SW-846 8082A	7/24/23	7/25/23 11:54	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	80.9	30-150		7/25/23 11:54
Decachlorobiphenyl [2]	83.9	30-150		7/25/23 11:54
Tetrachloro-m-xylene [1]	52.4	30-150		7/25/23 11:54
Tetrachloro-m-xylene [2]	52.4	30-150		7/25/23 11:54

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water St, NY, NY Sample Description: Work Order: 23G2329

Date Received: 7/18/2023

Field Sample #: 250WATERST-EB-20230717-1 Sampled: 7/17/2023 08:00

Sample ID: 23G2329-03

Sample Matrix: Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	0.045	mg/L	1		SW-846 6010D	7/19/23	7/20/23 18:04	ATP
Antimony	ND	0.050	0.0082	mg/L	1		SW-846 6010D	7/19/23	7/20/23 18:04	ATP
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	7/19/23	7/22/23 19:09	MJH
Barium	ND	0.050	0.0051	mg/L	1		SW-846 6010D	7/19/23	7/20/23 18:04	ATP
Beryllium	ND	0.0040	0.0012	mg/L	1		SW-846 6010D	7/19/23	7/20/23 18:04	ATP
Cadmium	ND	0.0040	0.0018	mg/L	1		SW-846 6010D	7/19/23	7/20/23 18:04	ATP
Calcium	ND	0.50	0.22	mg/L	1		SW-846 6010D	7/19/23	7/20/23 18:04	ATP
Chromium	ND	0.010	0.0068	mg/L	1		SW-846 6010D	7/19/23	7/20/23 18:04	ATP
Cobalt	ND	0.010	0.0021	mg/L	1		SW-846 6010D	7/19/23	7/20/23 18:04	ATP
Copper	ND	0.010	0.0036	mg/L	1		SW-846 6010D	7/19/23	7/24/23 16:00	NC
Iron	ND	0.050	0.047	mg/L	1		SW-846 6010D	7/19/23	7/20/23 18:04	ATP
Lead	ND	0.010	0.0068	mg/L	1		SW-846 6010D	7/19/23	7/22/23 19:09	MJH
Magnesium	ND	0.050	0.0095	mg/L	1		SW-846 6010D	7/19/23	7/20/23 18:04	ATP
Manganese	ND	0.010	0.0033	mg/L	1		SW-846 6010D	7/19/23	7/20/23 18:04	ATP
Mercury	ND	0.00020	0.00014	mg/L	1		SW-846 7470A	7/19/23	7/20/23 10:53	AAJ
Nickel	ND	0.010	0.0098	mg/L	1		SW-846 6010D	7/19/23	7/20/23 18:04	ATP
Potassium	ND	2.0	0.28	mg/L	1		SW-846 6010D	7/19/23	7/20/23 18:04	ATP
Selenium	ND	0.050	0.014	mg/L	1		SW-846 6010D	7/19/23	7/20/23 18:04	ATP
Silver	ND	0.010	0.0035	mg/L	1		SW-846 6010D	7/19/23	7/20/23 18:04	ATP
Sodium	ND	2.0	1.2	mg/L	1		SW-846 6010D	7/19/23	7/20/23 18:04	ATP
Thallium	ND	0.050	0.021	mg/L	1		SW-846 6010D	7/19/23	7/20/23 18:04	ATP
Vanadium	ND	0.010	0.0038	mg/L	1		SW-846 6010D	7/19/23	7/20/23 18:04	ATP
Zinc	ND	0.010	0.0042	mg/L	1		SW-846 6010D	7/19/23	7/26/23 17:57	MJH

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Project Location: 250 Water St, NY, NY Sample Description: Work Order: 23G2329

Date Received: 7/18/2023

Field Sample #: 250WATERST-EB-20230717-1 Sampled: 7/17/2023 08:00

Sample ID: 23G2329-03

Sample Matrix: Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	ND	0.010	0.0070	mg/L	1		SW-846 9014	7/25/23	7/26/23 6:36	MMH

2 - FORM II

SYSTEM MONITORING COMPOUND SUMMARY

SW-846 8260D

Laboratory:	Pace New England	SDG:	23G2329
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Soil	Instrument:	GCMSVOA7

	1,2-DCA-d4 (70% - 130%)	BFB (70% - 130%)	TOL-d8 (70% - 130%)
23G2329-01	131*	97.6	97.1
23G2329-02	124	101	98.7
B346423-BLK1	116	102	102
B346423-BS1	112	101	99.3
B346423-BSD1	111	101	103

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23G2329
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Calibration:	2200537	Instrument:	GCMSVOA3
		Calibration Date:	8/8/2022 10:18:58AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
1,3-Dichlorobenzene	1.193097	12.1			20	
1,4-Dichlorobenzene	1.270795	8.8			20	
trans-1,4-Dichloro-2-butene	0.239735	14.1			20	
Dichlorodifluoromethane (Freon 12)	0.4341094	10.1			20	
1,1-Dichloroethane	0.787926	6.1			20	
1,2-Dichloroethane	0.4276246	10.4			20	
1,1-Dichloroethylene	0.6503172	6.4			20	
cis-1,2-Dichloroethylene	0.6864345	9.7			20	
trans-1,2-Dichloroethylene	0.6178868	7.3			20	
Dichlorofluoromethane (Freon 21)	0.8403159	5.9			20	
1,2-Dichloropropane	0.306328	10.1			20	
1,3-Dichloropropane	0.4974963	14.4			20	
2,2-Dichloropropane	0.6088295	8.7			20	
1,1-Dichloropropene	0.5473735	11.5			20	
cis-1,3-Dichloropropene	0.4734604	12.7			20	
trans-1,3-Dichloropropene	0.4080538	16.5			20	
Diethyl Ether	0.3713617	11.2			20	
Difluorochloromethane (Freon 22)	0.5720824	6.4			20	
Diisopropyl Ether (DIPE)	1.558552	9.0			20	
1,4-Dioxane	4.731593E-03	10.9			20	
Ethanol	1.036708E-02	17.7			20	
Ethyl Acetate	0.6506099	5.8			20	
Ethylbenzene	2.549064	12.6			20	
Hexachlorobutadiene	0.2852952	17.9			20	
2-Hexanone (MBK)	0.2843475	16.4			20	
Iodomethane	0.5420061	18.8			20	
Isopropylbenzene (Cumene)	2.395221	12.5			20	
p-Isopropyltoluene (p-Cymene)	1.842122	9.9			20	
Methyl Acetate	0.7088624	9.4			20	
Methyl tert-Butyl Ether (MTBE)	1.412808	8.2			20	
Methyl Cyclohexane	0.3308172	13.9			20	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23G2329
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Calibration:	2300846	Instrument:	GCMSVOA7
		Calibration Date:	7/12/2023 5:14:00AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
Acetone	0.1393438	16.8			20	
Acrolein	9.250141E-02	4.5			20	
Acrylonitrile	0.132171	14.1			20	
tert-Amyl Methyl Ether (TAME)	0.9286366	4.1			20	
Benzene	1.220011	8.4			20	
Bromobenzene	1.048753	7.2			20	
Bromochloromethane	0.2678868	11.6			20	
Bromodichloromethane	0.2852591	4.8			20	
Bromoform	0.4454684	4.3			20	
Bromomethane	0.1078823	12.7			20	
2-Butanone (MEK)	0.1670244	5.1			20	
tert-Butyl Alcohol (TBA)	5.246718E-02	9.1			20	
n-Butylbenzene	1.735674	15.1			20	
sec-Butylbenzene	2.112068	18.8			20	
tert-Butylbenzene	1.517237	19.0			20	
tert-Butyl Ethyl Ether (TBEE)	1.093651	3.8			20	
Carbon Disulfide	0.6383774	17.1			20	
Carbon Tetrachloride	0.3639346	17.4			20	
Chlorobenzene	1.53432	8.0			20	
Chlorodibromomethane	0.2325216	2.7			20	
Chloroethane	0.1455703	16.9			20	
Chloroform	0.5602051	7.7			20	
Chloromethane	0.4260619	13.0			20	
2-Chlorotoluene	1.717336	9.5			20	
4-Chlorotoluene	2.099713	9.1			20	
Cyclohexane	0.9130677	47.9	0.998		0.99	
1,2-Dibromo-3-chloropropane (DBCP)	0.1364139	8.5			20	
1,2-Dibromoethane (EDB)	0.2041536	2.5			20	
Dibromomethane	0.1098859	9.0			20	
1,2-Dichlorobenzene	0.9558076	5.3			20	
1,3-Dichlorobenzene	1.022274	10.1			20	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23G2329
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Calibration:	2300846	Instrument:	GCMSVOA7
		Calibration Date:	7/12/2023 5:14:00AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
1,4-Dichlorobenzene	1.018159	7.4			20	
trans-1,4-Dichloro-2-butene	0.2738743	7.8			20	
Dichlorodifluoromethane (Freon 12)	0.3229093	14.9			20	
1,1-Dichloroethane	0.5881858	11.2			20	
1,2-Dichloroethane	0.2868747	3.7			20	
1,1-Dichloroethylene	0.5551736	19.4			20	
cis-1,2-Dichloroethylene	0.5313237	8.6			20	
trans-1,2-Dichloroethylene	0.4578958	12.7			20	
Dichlorofluoromethane (Freon 21)	0.4726465	15.1			20	
1,2-Dichloropropane	0.2284993	5.3			20	
1,3-Dichloropropane	0.317914	4.7			20	
2,2-Dichloropropane	0.4742299	15.3			20	
1,1-Dichloropropene	0.3217646	18.0			20	
cis-1,3-Dichloropropene	0.3684016	4.7			20	
trans-1,3-Dichloropropene	0.3191342	4.0			20	
Diethyl Ether	0.3057232	5.2			20	
Difluorochloromethane (Freon 22)	0.6320801	43.2	0.999		0.99	
Diisopropyl Ether (DIPE)	0.999463	7.5			20	
1,4-Dioxane	2.841731E-03	8.7			20	
Ethyl Acetate	0.3249878	15.0			20	
Ethylbenzene	2.455145	12.9			20	
Hexachlorobutadiene	0.4051908	18.5			20	
2-Hexanone (MBK)	0.1576625	14.5			20	
Iodomethane	0.4859792	13.6			20	
Isopropylbenzene (Cumene)	2.535809	15.0			20	
p-Isopropyltoluene (p-Cymene)	1.860034	15.8			20	
Methyl Acetate	0.3305145	12.4			20	
Methyl tert-Butyl Ether (MTBE)	0.8926565	4.4			20	
Methyl Cyclohexane	0.3504426	14.2			20	
Methylene Chloride	0.4031239	9.5			20	
4-Methyl-2-pentanone (MIBK)	0.2064951	15.4			20	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23G2329
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Calibration:	2300846	Instrument:	GCMSVOA7
		Calibration Date:	7/12/2023 5:14:00AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
Naphthalene	1.931156	3.8			20	
n-Propylbenzene	2.891276	15.2			20	
Styrene	1.739451	6.7			20	
1,1,1,2-Tetrachloroethane	0.5877457	5.3			20	
1,1,2,2-Tetrachloroethane	0.7144844	9.9			20	
Tetrachloroethylene	0.2058066	18.2			20	
Tetrahydrofuran	0.1186702	6.6			20	
Toluene	0.8250477	11.3			20	
1,2,3-Trichlorobenzene	0.7311379	6.1			20	
1,2,4-Trichlorobenzene	0.7880238	7.3			20	
1,3,5-Trichlorobenzene	0.824207	10.4			20	
1,1,1-Trichloroethane	0.4677318	18.6			20	
1,1,2-Trichloroethane	0.1883578	5.7			20	
Trichloroethylene	0.2085854	15.5			20	
Trichlorofluoromethane (Freon 11)	0.4454877	19.3			20	
1,2,3-Trichloropropane	0.8156434	6.1			20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	0.3469077	27.1	0.996		0.99	
1,2,3-Trimethylbenzene	1.846755	9.0			20	
1,2,4-Trimethylbenzene	1.748943	11.0			20	
1,3,5-Trimethylbenzene	2.154432	11.8			20	
Vinyl Chloride	0.3792056	19.5			20	
m+p Xylene	1.906431	13.3			20	
o-Xylene	2.057623	8.7			20	
1,2-Dichloroethane-d4	0.5510526	1.7			20	
Toluene-d8	1.16965	1.9			20	
4-Bromofluorobenzene	1.267653	1.0			20	

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23G2329
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	GCMSVOA3	Calibration:	2200537
Lab File ID:	C22V21926.D	Calibration Date:	08/08/22 10:18
Sequence:	S075427	Injection Date:	08/08/22
Lab Sample ID:	S075427-ICV1	Injection Time:	17:12

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
1,2-Dichlorobenzene	A	10.0	11.2	1.213634	1.365738		12.5	30
1,3-Dichlorobenzene	A	10.0	11.5	1.193097	1.375471		15.3	30
1,4-Dichlorobenzene	A	10.0	10.8	1.270795	1.375361		8.2	30
trans-1,4-Dichloro-2-butene	A	10.0	8.71	0.239735	0.2087198		-12.9	30
Dichlorodifluoromethane (Freon 12)	A	10.0	8.90	0.4341094	0.3863701		-11.0	30
1,1-Dichloroethane	A	10.0	10.9	0.787926	0.8592115		9.0	30
1,2-Dichloroethane	A	10.0	10.9	0.4276246	0.4643172		8.6	30
1,1-Dichloroethylene	A	10.0	10.1	0.6503172	0.657403		1.1	30
cis-1,2-Dichloroethylene	A	10.0	10.9	0.6864345	0.7488539		9.1	30
trans-1,2-Dichloroethylene	A	10.0	10.6	0.6178868	0.6520598		5.5	30
Dichlorofluoromethane (Freon 21)	A	10.0	10.6	0.8403159	0.8890417		5.8	30
1,2-Dichloropropane	A	10.0	11.2	0.306328	0.3432776		12.1	30
1,3-Dichloropropane	A	10.0	11.0	0.4974963	0.5494466		10.4	30
2,2-Dichloropropane	A	10.0	10.4	0.6088295	0.6327737		3.9	30
1,1-Dichloropropene	A	10.0	10.7	0.5473735	0.5846217		6.8	30
cis-1,3-Dichloropropene	A	10.0	11.1	0.4734604	0.5268136		11.3	30
trans-1,3-Dichloropropene	A	10.0	11.9	0.4080538	0.4873977		19.4	30
Diethyl Ether	A	10.0	12.0	0.3713617	0.4453508		19.9	30
Difluorochloromethane (Freon 22)	A	10.0	8.17	0.5720824	0.4675772		-18.3	30
Diisopropyl Ether (DIPE)	A	10.0	11.5	1.558552	1.793038		15.0	30
1,4-Dioxane	A	100	90.1	4.731593E-03	4.264464E-03		-9.9	30
Ethanol	A	100	95.5	1.036708E-02	9.902305E-03		-4.5	30
Ethyl Acetate	A	10.0	9.05	0.6506099	0.5887477		-9.5	30
Ethylbenzene	A	10.0	11.7	2.549064	2.984133		17.1	30
Hexachlorobutadiene	A	10.0	11.4	0.2852952	0.3250553		13.9	30
2-Hexanone (MBK)	A	100	104	0.2843475	0.2957494		4.0	30
Iodomethane	A	10.0	9.09	0.5420061	0.4925385		-9.1	30
Isopropylbenzene (Cumene)	A	10.0	11.3	2.395221	2.706585		13.0	30

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23G2329
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	GCMSVOA7	Calibration:	2300846
Lab File ID:	G22V19318.D	Calibration Date:	07/12/23 05:14
Sequence:	S090340	Injection Date:	07/12/23
Lab Sample ID:	S090340-ICV1	Injection Time:	13:28

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)	
Acetone	A	100	146	0.1393438	0.2036055		46.1	30	*
Acrolein	A	100	136	9.250141E-02	0.1254289		35.6	30	*
Acrylonitrile	A	10.0	9.78	0.132171	0.1293193		-2.2	30	
tert-Amyl Methyl Ether (TAME)	A	10.0	10.0	0.9286366	0.9308125		0.2	30	
Benzene	A	10.0	10.4	1.220011	1.264802		3.7	30	
Bromobenzene	A	10.0	10.2	1.048753	1.066963		1.7	30	
Bromochloromethane	A	10.0	11.0	0.2678868	0.2944728		9.9	30	
Bromodichloromethane	A	10.0	10.3	0.2852591	0.2938116		3.0	30	
Bromoform	A	10.0	11.0	0.4454684	0.4922552		10.5	30	
Bromomethane	A	10.0	9.12	0.1078823	9.841331E-02		-8.8	30	
2-Butanone (MEK)	A	100	111	0.1670244	0.1861408		11.4	30	
tert-Butyl Alcohol (TBA)	A	100	96.2	5.246718E-02	5.045709E-02		-3.8	30	
n-Butylbenzene	A	10.0	11.2	1.735674	1.9523		12.5	30	
sec-Butylbenzene	A	10.0	11.8	2.112068	2.482459		17.5	30	
tert-Butylbenzene	A	10.0	10.8	1.517237	1.638328		8.0	30	
tert-Butyl Ethyl Ether (TBEE)	A	10.0	10.4	1.093651	1.142547		4.5	30	
Carbon Disulfide	A	10.0	13.5	0.6383774	0.8640495		35.4	30	*
Carbon Tetrachloride	A	10.0	10.3	0.3639346	0.3748054		3.0	30	
Chlorobenzene	A	10.0	10.1	1.53432	1.554082		1.3	30	
Chlorodibromomethane	A	10.0	10.1	0.2325216	0.2355075		1.3	30	
Chloroethane	A	10.0	10.0	0.1455703	0.1462845		0.5	30	
Chloroform	A	10.0	10.2	0.5602051	0.5691386		1.6	30	
Chloromethane	A	10.0	10.2	0.4260619	0.4352641		2.2	30	
2-Chlorotoluene	A	10.0	10.8	1.717336	1.854992		8.0	30	
4-Chlorotoluene	A	10.0	10.9	2.099713	2.288703		9.0	30	
Cyclohexane	A	10.0	11.3	0.9130677	0.7857104		13.0	30	
1,2-Dibromo-3-chloropropane (DBCP)	A	10.0	10.2	0.1364139	0.1392516		2.1	30	
1,2-Dibromoethane (EDB)	A	10.0	10.4	0.2041536	0.2125723		4.1	30	
Dibromomethane	A	10.0	9.87	0.1098859	0.1084367		-1.3	30	

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23G2329
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	GCMSVOA7	Calibration:	2300846
Lab File ID:	G22V19318.D	Calibration Date:	07/12/23 05:14
Sequence:	S090340	Injection Date:	07/12/23
Lab Sample ID:	S090340-ICV1	Injection Time:	13:28

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
1,2-Dichlorobenzene	A	10.0	10.5	0.9558076	1.007518		5.4	30
1,3-Dichlorobenzene	A	10.0	10.3	1.022274	1.057021		3.4	30
1,4-Dichlorobenzene	A	10.0	10.2	1.018159	1.04328		2.5	30
trans-1,4-Dichloro-2-butene	A	10.0	9.18	0.2738743	0.2515472		-8.2	30
Dichlorodifluoromethane (Freon 12)	A	10.0	11.8	0.3229093	0.3802628		17.8	30
1,1-Dichloroethane	A	10.0	11.2	0.5881858	0.6588275		12.0	30
1,2-Dichloroethane	A	10.0	10.4	0.2868747	0.2970766		3.6	30
1,1-Dichloroethylene	A	10.0	12.3	0.5551736	0.6808837		22.6	30
cis-1,2-Dichloroethylene	A	10.0	11.4	0.5313237	0.6063636		14.1	30
trans-1,2-Dichloroethylene	A	10.0	11.4	0.4578958	0.522098		14.0	30
Dichlorofluoromethane (Freon 21)	A	10.0	11.4	0.4726465	0.5406217		14.4	30
1,2-Dichloropropane	A	10.0	10.6	0.2284993	0.2433589		6.5	30
1,3-Dichloropropane	A	10.0	10.1	0.317914	0.3208664		0.9	30
2,2-Dichloropropane	A	10.0	11.1	0.4742299	0.5269773		11.1	30
1,1-Dichloropropene	A	10.0	11.3	0.3217646	0.3637879		13.1	30
cis-1,3-Dichloropropene	A	10.0	10.0	0.3684016	0.369892		0.4	30
trans-1,3-Dichloropropene	A	10.0	10.8	0.3191342	0.3434214		7.6	30
Diethyl Ether	A	10.0	9.04	0.3057232	0.2764067		-9.6	30
Difluorochloromethane (Freon 22)	L	10.0	8.85	0.6320801	0.5537353		-11.5	30
Diisopropyl Ether (DIPE)	A	10.0	11.2	0.999463	1.114114		11.5	30
1,4-Dioxane	A	100	95.0	2.841731E-03	2.700514E-03		-5.0	30
Ethyl Acetate	A	10.0	8.39	0.3249878	0.2726137		-16.1	30
Ethylbenzene	A	10.0	11.2	2.455145	2.752953		12.1	30
Hexachlorobutadiene	A	10.0	11.8	0.4051908	0.4795411		18.3	30
2-Hexanone (MBK)	A	100	112	0.1576625	0.1764304		11.9	30
Iodomethane	A	10.0	12.4	0.4859792	0.601183		23.7	30
Isopropylbenzene (Cumene)	A	10.0	11.2	2.535809	2.83928		12.0	30
p-Isopropyltoluene (p-Cymene)	A	10.0	11.4	1.860034	2.12941		14.5	30

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23G2329
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	GCMSVOA7	Calibration:	2300846
Lab File ID:	G22V19318.D	Calibration Date:	07/12/23 05:14
Sequence:	S090340	Injection Date:	07/12/23
Lab Sample ID:	S090340-ICV1	Injection Time:	13:28

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Methyl Acetate	A	10.0	10.0	0.3305145	0.3305855		0.02	30
Methyl tert-Butyl Ether (MTBE)	A	10.0	9.64	0.8926565	0.8605187		-3.6	30
Methyl Cyclohexane	A	10.0	11.8	0.3504426	0.4127162		17.8	30
Methylene Chloride	A	10.0	10.0	0.4031239	0.404573		0.4	30
4-Methyl-2-pentanone (MIBK)	A	100	110	0.2064951	0.2270455		10.0	30
Naphthalene	A	10.0	10.6	1.931156	2.04913		6.1	30
n-Propylbenzene	A	10.0	11.4	2.891276	3.308349		14.4	30
Styrene	A	10.0	10.6	1.739451	1.848116		6.2	30
1,1,1,2-Tetrachloroethane	A	10.0	10.4	0.5877457	0.6114952		4.0	30
1,1,2,2-Tetrachloroethane	A	10.0	11.0	0.7144844	0.7882745		10.3	30
Tetrachloroethylene	A	10.0	11.8	0.2058066	0.2428889		18.0	30
Tetrahydrofuran	A	10.0	9.99	0.1186702	0.1186015		-0.06	30
Toluene	A	10.0	11.3	0.8250477	0.9352413		13.4	30
1,2,3-Trichlorobenzene	A	10.0	10.6	0.7311379	0.7757497		6.1	30
1,2,4-Trichlorobenzene	A	10.0	10.6	0.7880238	0.836168		6.1	30
1,3,5-Trichlorobenzene	A	10.0	11.0	0.824207	0.9105139		10.5	30
1,1,1-Trichloroethane	A	10.0	11.3	0.4677318	0.5305944		13.4	30
1,1,2-Trichloroethane	A	10.0	10.2	0.1883578	0.1926369		2.3	30
Trichloroethylene	A	10.0	11.2	0.2085854	0.2338248		12.1	30
Trichlorofluoromethane (Freon 11)	A	10.0	12.0	0.4454877	0.5332279		19.7	30
1,2,3-Trichloropropane	A	10.0	9.94	0.8156434	0.8107115		-0.6	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	10.0	10.1	0.3469077	0.4270526		1.4	30
1,2,3-Trimethylbenzene	A	10.0	10.1	1.846755	1.857797		0.6	30
1,2,4-Trimethylbenzene	A	10.0	10.5	1.748943	1.839661		5.2	30
1,3,5-Trimethylbenzene	A	10.0	11.1	2.154432	2.383084		10.6	30
Vinyl Chloride	A	10.0	10.1	0.3792056	0.3830852		1.0	30
m+p Xylene	A	20.0	22.6	1.906431	2.156504		13.1	30
o-Xylene	A	10.0	11.0	2.057623	2.254054		9.5	30
1,2-Dichloroethane-d4	A	25.0	24.8	0.5510526	0.5455023		-1.0	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23G2329
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	GCMSVOA7	Calibration:	2300846
Lab File ID:	G22V20002.D	Calibration Date:	07/12/23 05:14
Sequence:	S090708	Injection Date:	07/19/23
Lab Sample ID:	S090708-CCV1	Injection Time:	04:31

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetone	A	100	117	0.1393438	0.1636873		17.5	20	
Benzene	A	10.0	10.7	1.220011	1.304032		6.9	20	
Bromochloromethane	A	10.0	11.6	0.2678868	0.31165		16.3	20	
Bromodichloromethane	A	10.0	10.7	0.2852591	0.3053069		7.0	20	
Bromoform	A	10.0	9.13	0.4454684	0.4069276		-8.7	20	
Bromomethane	A	10.0	15.4	0.1078823	0.1665542		54.4	20	*
2-Butanone (MEK)	A	100	110	0.1670244	0.1832499		9.7	20	
Carbon Disulfide	A	100	120	0.6383774	0.7677531		20.3	20	*
Carbon Tetrachloride	A	10.0	9.69	0.3639346	0.3527155		-3.1	20	
Chlorobenzene	A	10.0	10.0	1.53432	1.533631		-0.04	20	
Chlorodibromomethane	A	10.0	9.93	0.2325216	0.2309613		-0.7	20	
Chloroethane	A	10.0	14.1	0.1455703	0.2050097		40.8	20	*
Chloroform	A	10.0	11.1	0.5602051	0.6202812		10.7	20	
Chloromethane	A	10.0	12.5	0.4260619	0.5319261		24.8	20	*
Cyclohexane	L	10.0	10.1	0.9130677	0.7130615		0.7	20	
1,2-Dibromo-3-chloropropane (DBCP)	A	10.0	9.16	0.1364139	0.1249892		-8.4	20	
1,2-Dibromoethane (EDB)	A	10.0	10.1	0.2041536	0.206629		1.2	20	
1,2-Dichlorobenzene	A	10.0	9.71	0.9558076	0.9277425		-2.9	20	
1,3-Dichlorobenzene	A	10.0	9.72	1.022274	0.9939946		-2.8	20	
1,4-Dichlorobenzene	A	10.0	9.77	1.018159	0.9945029		-2.3	20	
Dichlorodifluoromethane (Freon 12)	A	10.0	10.1	0.3229093	0.326911		1.2	20	
1,1-Dichloroethane	A	10.0	11.2	0.5881858	0.6607924		12.3	20	
1,2-Dichloroethane	A	10.0	11.3	0.2868747	0.3245403		13.1	20	
1,1-Dichloroethylene	A	10.0	12.9	0.5551736	0.7150112		28.8	20	*
cis-1,2-Dichloroethylene	A	10.0	11.3	0.5313237	0.5994167		12.8	20	
trans-1,2-Dichloroethylene	A	10.0	11.6	0.4578958	0.5287369		15.5	20	
1,2-Dichloropropane	A	10.0	10.6	0.2284993	0.2417106		5.8	20	
cis-1,3-Dichloropropene	A	10.0	10.3	0.3684016	0.3808544		3.4	20	
trans-1,3-Dichloropropene	A	10.0	10.3	0.3191342	0.3283133		2.9	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23G2329
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	GCMSVOA7	Calibration:	2300846
Lab File ID:	G22V20002.D	Calibration Date:	07/12/23 05:14
Sequence:	S090708	Injection Date:	07/19/23
Lab Sample ID:	S090708-CCV1	Injection Time:	04:31

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,4-Dioxane	A	100	101	2.841731E-03	2.883193E-03		1.5	20	
Ethylbenzene	A	10.0	10.8	2.455145	2.647852		7.8	20	
2-Hexanone (MBK)	A	100	116	0.1576625	0.183433		16.3	20	
Isopropylbenzene (Cumene)	A	10.0	10.7	2.535809	2.717164		7.2	20	
Methyl Acetate	A	10.0	10.2	0.3305145	0.3363567		1.8	20	
Methyl tert-Butyl Ether (MTBE)	A	10.0	10.6	0.8926565	0.9461537		6.0	20	
Methyl Cyclohexane	A	10.0	10.3	0.3504426	0.3624658		3.4	20	
Methylene Chloride	A	10.0	11.0	0.4031239	0.4412787		9.5	20	
4-Methyl-2-pentanone (MIBK)	A	100	119	0.2064951	0.246502		19.4	20	
Styrene	A	10.0	10.3	1.739451	1.789411		2.9	20	
1,1,2,2-Tetrachloroethane	A	10.0	10.0	0.7144844	0.716139		0.2	20	
Tetrachloroethylene	A	10.0	10.9	0.2058066	0.2242602		9.0	20	
Toluene	A	10.0	11.2	0.8250477	0.921455		11.7	20	
1,2,3-Trichlorobenzene	A	10.0	8.96	0.7311379	0.6548951		-10.4	20	
1,2,4-Trichlorobenzene	A	10.0	9.06	0.7880238	0.714062		-9.4	20	
1,1,1-Trichloroethane	A	10.0	11.8	0.4677318	0.5504894		17.7	20	
1,1,2-Trichloroethane	A	10.0	10.0	0.1883578	0.1888557		0.3	20	
Trichloroethylene	A	10.0	10.9	0.2085854	0.2264776		8.6	20	
Trichlorofluoromethane (Freon 11)	A	10.0	12.8	0.4454877	0.5700893		28.0	20	*
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	L	10.0	11.9	0.3469077	0.4392571		19.1	20	
Vinyl Chloride	A	10.0	12.8	0.3792056	0.4868015		28.4	20	*
m+p Xylene	A	20.0	22.4	1.906431	2.130435		11.7	20	
o-Xylene	A	10.0	10.6	2.057623	2.191991		6.5	20	
1,2-Dichloroethane-d4	A	25.0	27.5	0.5510526	0.605388		9.9		
Toluene-d8	A	25.0	26.0	1.16965	1.217735		4.1		
4-Bromofluorobenzene	A	25.0	24.7	1.267653	1.252236		-1.2		

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23G2329
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	GCMSVOA3	Calibration:	2200537
Lab File ID:	C22V20159.D	Calibration Date:	08/08/22 10:18
Sequence:	S090942	Injection Date:	07/21/23
Lab Sample ID:	S090942-CCV1	Injection Time:	14:59

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,4-Dioxane	A	100	84.4	4.731593E-03	3.991376E-03		-15.6	20	
Ethylbenzene	A	10.0	9.51	2.549064	2.425388		-4.9	20	
2-Hexanone (MBK)	A	100	82.6	0.2843475	0.2348341		-17.4	20	
Isopropylbenzene (Cumene)	A	10.0	8.73	2.395221	2.091292		-12.7	20	
Methyl Acetate	A	10.0	8.45	0.7088624	0.5992293		-15.5	20	
Methyl tert-Butyl Ether (MTBE)	A	10.0	9.14	1.412808	1.290747		-8.6	20	
Methyl Cyclohexane	A	10.0	10.8	0.3308172	0.3582099		8.3	20	
Methylene Chloride	A	10.0	9.90	0.6427786	0.6360726		-1.0	20	
4-Methyl-2-pentanone (MIBK)	A	100	87.6	0.4112112	0.3603378		-12.4	20	
Styrene	A	10.0	8.95	1.683114	1.50593		-10.5	20	
1,1,2,2-Tetrachloroethane	A	10.0	9.82	0.9177436	0.9014976		-1.8	20	
Tetrachloroethylene	A	10.0	10.6	0.2808079	0.2973254		5.9	20	
Toluene	A	10.0	10.0	1.195157	1.196809		0.1	20	
1,2,3-Trichlorobenzene	A	10.0	8.14	0.6638408	0.5403536		-18.6	20	
1,2,4-Trichlorobenzene	A	10.0	7.90	0.6791191	0.5361884		-21.0	20	*
1,1,1-Trichloroethane	A	10.0	9.81	0.6322124	0.6204697		-1.9	20	
1,1,2-Trichloroethane	A	10.0	10.5	0.2797054	0.2943479		5.2	20	
Trichloroethylene	A	10.0	10.0	0.2768359	0.2770605		0.08	20	
Trichlorofluoromethane (Freon 11)	A	10.0	9.41	0.6391431	0.6012414		-5.9	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	10.0	9.60	0.377547	0.3624532		-4.0	20	
Vinyl Chloride	A	10.0	10.9	0.5221577	0.5668658		8.6	20	
m+p Xylene	A	20.0	18.8	1.99021	1.869107		-6.1	20	
o-Xylene	A	10.0	9.03	2.094658	1.890897		-9.7	20	
1,2-Dichloroethane-d4	A	25.0	24.6	0.5629535	0.5544442		-1.5		
Toluene-d8	A	25.0	25.2	1.188132	1.19693		0.7		
4-Bromofluorobenzene	A	25.0	22.8	0.8894447	0.8093114		-9.0		

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

2 - FORM II

SYSTEM MONITORING COMPOUND SUMMARY

SW-846 8270E

Laboratory:	Pace New England	SDG:	23G2329
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Soil	Instrument:	GCMSSV4

	2,4,6-TBP (30% - 130%)	2-FlBiphenyl (30% - 130%)	2-Flphenol (30% - 130%)	Nitrobenz-d5 (30% - 130%)	Phenol-d6 (30% - 130%)	Terphnyl-d14 (30% - 130%)
23G2329-01	17.3*	74.3	56.8	67.1	68.6	110
23G2329-02	89.2	78.8	72.6	74.7	76.2	115
B347451-BLK1	94.7	79.2	74.5	77.8	76.5	89.0
B347451-BS1	102	82.7	79.6	79.1	82.4	89.6
B347451-BSD1	108	81.2	75.2	72.9	78.1	91.5

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	23G2329
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B346612	Laboratory ID:	B346612-BS1
Column:		Initial/Final:	100 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.		QC LIMITS REC.
Atrazine	100	100	100		40 - 140
Benzaldehyde	100	43.6	43.6		40 - 140
Biphenyl	100	76.7	76.7		40 - 140
Caprolactam	100	27.1	27.1	*	40 - 140
Acenaphthene	100	79.7	79.7		40 - 140
Acenaphthylene	100	85.8	85.8		40 - 140
Acetophenone	100	81.5	81.5		40 - 140
Anthracene	100	83.7	83.7		40 - 140
Benzo(a)anthracene	100	83.3	83.3		40 - 140
Benzo(a)pyrene	100	80.4	80.4		40 - 140
Benzo(b)fluoranthene	100	86.1	86.1		40 - 140
Benzo(g,h,i)perylene	100	86.2	86.2		40 - 140
Benzo(k)fluoranthene	100	89.4	89.4		40 - 140
Bis(2-chloroethoxy)methane	100	81.8	81.8		40 - 140
Bis(2-chloroethyl)ether	100	78.2	78.2		40 - 140
Bis(2-chloroisopropyl)ether	100	81.8	81.8		40 - 140
Bis(2-Ethylhexyl)phthalate	100	85.5	85.5		40 - 140
4-Bromophenylphenylether	100	80.2	80.2		40 - 140
Butylbenzylphthalate	100	97.1	97.1		40 - 140
Carbazole	100	83.9	83.9		40 - 140
4-Chloroaniline	100	56.1	56.1		40 - 140
4-Chloro-3-methylphenol	100	85.3	85.3		30 - 130
2-Chloronaphthalene	100	67.2	67.2		40 - 140
2-Chlorophenol	100	77.0	77.0		30 - 130
4-Chlorophenylphenylether	100	81.5	81.5		40 - 140
Chrysene	100	78.2	78.2		40 - 140
Dibenz(a,h)anthracene	100	89.2	89.2		40 - 140
Dibenzofuran	100	82.0	82.0		40 - 140
Di-n-butylphthalate	100	85.8	85.8		40 - 140
3,3-Dichlorobenzidine	100	81.5	81.5		40 - 140
2,4-Dichlorophenol	100	83.7	83.7		30 - 130
Diethylphthalate	100	81.9	81.9		40 - 140
2,4-Dimethylphenol	100	67.5	67.5		30 - 130
Dimethylphthalate	100	84.3	84.3		40 - 140
4,6-Dinitro-2-methylphenol	100	92.4	92.4		30 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	23G2329
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B346612	Laboratory ID:	B346612-BS1
Column:		Initial/Final:	100 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.		QC LIMITS REC.
2,4-Dinitrophenol	100	87.8	87.8		30 - 130
2,4-Dinitrotoluene	100	89.5	89.5		40 - 140
2,6-Dinitrotoluene	100	97.3	97.3		40 - 140
Di-n-octylphthalate	100	80.0	80.0		40 - 140
Fluoranthene	100	84.0	84.0		40 - 140
Fluorene	100	81.7	81.7		40 - 140
Hexachlorobenzene	100	82.7	82.7		40 - 140
Hexachlorobutadiene	100	48.5	48.5		40 - 140
Hexachlorocyclopentadiene	100	56.9	56.9		30 - 140
Hexachloroethane	100	28.5	28.5	*	40 - 140
Indeno(1,2,3-cd)pyrene	100	90.0	90.0		40 - 140
Isophorone	100	85.2	85.2		40 - 140
2-Methylnaphthalene	100	72.8	72.8		40 - 140
2-Methylphenol	100	73.7	73.7		30 - 130
3/4-Methylphenol	100	70.3	70.3		30 - 130
Naphthalene	100	64.4	64.4		40 - 140
2-Nitroaniline	100	79.2	79.2		40 - 140
3-Nitroaniline	100	88.1	88.1		40 - 140
4-Nitroaniline	100	87.3	87.3		40 - 140
Nitrobenzene	100	75.2	75.2		40 - 140
2-Nitrophenol	100	79.0	79.0		30 - 130
4-Nitrophenol	100	46.1	46.1		10 - 130
N-Nitrosodiphenylamine/Diphenylamine	100	83.2	83.2		40 - 140
N-Nitrosodi-n-propylamine	100	79.1	79.1		40 - 140
Pentachlorophenol	100	79.7	79.7		30 - 130
Phenanthrene	100	81.2	81.2		40 - 140
Phenol	100	40.9	40.9		20 - 130
Pyrene	100	80.1	80.1		40 - 140
1,2,4,5-Tetrachlorobenzene	100	75.6	75.6		40 - 140
2,4,5-Trichlorophenol	100	85.6	85.6		30 - 130
2,4,6-Trichlorophenol	100	87.7	87.7		30 - 130

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	23G2329
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B346612	Laboratory ID:	B346612-BSD1
Column:		Initial/Final:	100 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #		% RPD #		QC LIMITS RPD	QC LIMITS REC.
Atrazine	100	97.4	97.4		2.62		20	40 - 140
Benzaldehyde	100	47.3	47.3		8.26		20	40 - 140
Biphenyl	100	75.8	75.8		1.10		20	40 - 140
Caprolactam	100	28.3	28.3	*	4.34		20	40 - 140
Acenaphthene	100	78.1	78.1		2.09		20	40 - 140
Acenaphthylene	100	84.5	84.5		1.57		20	40 - 140
Acetophenone	100	85.5	85.5		4.86		20	40 - 140
Anthracene	100	82.1	82.1		1.98		20	40 - 140
Benzo(a)anthracene	100	80.9	80.9		2.96		20	40 - 140
Benzo(a)pyrene	100	78.1	78.1		2.98		20	40 - 140
Benzo(b)fluoranthene	100	83.1	83.1		3.48		20	40 - 140
Benzo(g,h,i)perylene	100	83.5	83.5		3.21		20	40 - 140
Benzo(k)fluoranthene	100	85.8	85.8		4.03		20	40 - 140
Bis(2-chloroethoxy)methane	100	84.1	84.1		2.75		20	40 - 140
Bis(2-chloroethyl)ether	100	84.4	84.4		7.63		20	40 - 140
Bis(2-chloroisopropyl)ether	100	87.1	87.1		6.31		20	40 - 140
Bis(2-Ethylhexyl)phthalate	100	83.3	83.3		2.61		20	40 - 140
4-Bromophenylphenylether	100	79.8	79.8		0.463		20	40 - 140
Butylbenzylphthalate	100	96.9	96.9		0.175		20	40 - 140
Carbazole	100	83.5	83.5		0.418		20	40 - 140
4-Chloroaniline	100	80.4	80.4		35.7	*	20	40 - 140
4-Chloro-3-methylphenol	100	84.4	84.4		1.06		20	30 - 130
2-Chloronaphthalene	100	72.5	72.5		7.52		20	40 - 140
2-Chlorophenol	100	80.5	80.5		4.37		20	30 - 130
4-Chlorophenylphenylether	100	78.5	78.5		3.71		20	40 - 140
Chrysene	100	75.3	75.3		3.73		20	40 - 140
Dibenz(a,h)anthracene	100	87.1	87.1		2.39		20	40 - 140
Dibenzofuran	100	81.1	81.1		1.09		20	40 - 140
Di-n-butylphthalate	100	84.2	84.2		1.93		20	40 - 140
3,3-Dichlorobenzidine	100	95.5	95.5		15.8		20	40 - 140
2,4-Dichlorophenol	100	85.4	85.4		1.99		20	30 - 130
Diethylphthalate	100	80.1	80.1		2.27		20	40 - 140
2,4-Dimethylphenol	100	70.9	70.9		5.01		20	30 - 130
Dimethylphthalate	100	82.3	82.3		2.39		50	40 - 140
4,6-Dinitro-2-methylphenol	100	93.4	93.4		1.02		50	30 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	23G2329
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B346612	Laboratory ID:	B346612-BSD1
Column:		Initial/Final:	100 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
2,4-Dinitrophenol	100	82.7	82.7		5.99	50	30 - 130
2,4-Dinitrotoluene	100	87.2	87.2		2.62	20	40 - 140
2,6-Dinitrotoluene	100	94.8	94.8		2.54	20	40 - 140
Di-n-octylphthalate	100	80.2	80.2		0.212	20	40 - 140
Fluoranthene	100	83.6	83.6		0.501	20	40 - 140
Fluorene	100	81.3	81.3		0.528	20	40 - 140
Hexachlorobenzene	100	80.8	80.8		2.30	20	40 - 140
Hexachlorobutadiene	100	54.0	54.0		10.9	20	40 - 140
Hexachlorocyclopentadiene	100	58.4	58.4		2.58	50	30 - 140
Hexachloroethane	100	35.3	35.3	*	21.5	50	40 - 140
Indeno(1,2,3-cd)pyrene	100	88.2	88.2		2.04	50	40 - 140
Isophorone	100	87.2	87.2		2.34	20	40 - 140
2-Methylnaphthalene	100	76.1	76.1		4.42	20	40 - 140
2-Methylphenol	100	78.9	78.9		6.83	20	30 - 130
3/4-Methylphenol	100	73.5	73.5		4.41	20	30 - 130
Naphthalene	100	68.8	68.8		6.49	20	40 - 140
2-Nitroaniline	100	78.2	78.2		1.33	20	40 - 140
3-Nitroaniline	100	86.4	86.4		1.99	20	40 - 140
4-Nitroaniline	100	86.4	86.4		1.01	20	40 - 140
Nitrobenzene	100	77.4	77.4		2.92	20	40 - 140
2-Nitrophenol	100	83.9	83.9		6.00	20	30 - 130
4-Nitrophenol	100	45.7	45.7		0.893	50	10 - 130
N-Nitrosodiphenylamine/Diphenylamine	100	82.3	82.3		1.00	20	40 - 140
N-Nitrosodi-n-propylamine	100	83.8	83.8		5.81	20	40 - 140
Pentachlorophenol	100	79.2	79.2		0.529	50	30 - 130
Phenanthrene	100	79.1	79.1		2.63	20	40 - 140
Phenol	100	42.6	42.6		4.21	20	20 - 130
Pyrene	100	77.3	77.3		3.52	20	40 - 140
1,2,4,5-Tetrachlorobenzene	100	76.8	76.8		1.48	20	40 - 140
2,4,5-Trichlorophenol	100	85.2	85.2		0.457	20	30 - 130
2,4,6-Trichlorophenol	100	85.7	85.7		2.30	50	30 - 130

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8270E

Laboratory:	Pace New England	Work Order:	23G2329
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Calibration:	2300835	Instrument:	GCMSSV9
		Calibration Date:	6/8/2023 1:23:55PM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
Atrazine	0.4113775	11.7			20	
Benzaldehyde	1.123605	9.2			20	
Biphenyl	1.783044	4.2			20	
Caprolactam	8.972941E-02	18.2			20	
Acenaphthene	1.244484	5.0			20	
Acenaphthylene	1.968534	6.9			20	
Acetophenone	2.091298	8.7			20	
Anthracene	1.158403	6.3			20	
Benzo(a)anthracene	1.469768	6.4			20	
Benzo(a)pyrene	1.159473	15.1			20	
Benzo(b)fluoranthene	1.377315	11.3			20	
Benzo(g,h,i)perylene	1.170872	10.1			20	
Benzo(k)fluoranthene	1.27981	8.5			20	
Bis(2-chloroethoxy)methane	0.4627428	3.9			20	
Bis(2-chloroethyl)ether	1.093493	5.8			20	
Bis(2-chloroisopropyl)ether	1.656228	4.2			20	
Bis(2-Ethylhexyl)phthalate	0.7758846	23.9			20	*
4-Bromophenylphenylether	0.2503115	9.0			20	
Butylbenzylphthalate	0.4948783	20.0			20	
Carbazole	1.034838	7.1			20	
4-Chloroaniline	0.452269	9.8			20	
4-Chloro-3-methylphenol	0.320612	12.3			20	
2-Chloronaphthalene	1.634062	5.6			20	
2-Chlorophenol	1.415631	10.9			20	
4-Chlorophenylphenylether	0.8492857	9.8			20	
Chrysene	1.52735	5.8			20	
Dibenz(a,h)anthracene	1.120346	14.4			20	
Dibenzofuran	1.985618	4.4			20	
Di-n-butylphthalate	1.192401	10.4			20	
3,3-Dichlorobenzidine	0.4335088	17.4			20	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8270E

Laboratory:	Pace New England	Work Order:	23G2329
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Calibration:	2301114	Instrument:	GCMSSV4
		Calibration Date:	8/7/2023 8:29:40AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
2,4-Dichlorophenol	0.3261958	3.3			20	
Diethylphthalate	1.457464	3.7			20	
2,4-Dimethylphenol	0.3220583	3.1			20	
Dimethylphthalate	1.465847	3.7			20	
4,6-Dinitro-2-methylphenol	9.713379E-02	22.6	0.999		0.99	
2,4-Dinitrophenol	8.280006E-02	56.0			20	*
2,4-Dinitrotoluene	0.3989223	8.9			20	
2,6-Dinitrotoluene	0.3038911	7.8			20	
Di-n-octylphthalate	1.53395	10.8			20	
Fluoranthene	1.266362	4.0			20	
Fluorene	1.417685	4.8			20	
Hexachlorobenzene	0.2583175	3.6			20	
Hexachlorobutadiene	0.2314279	4.0			20	
Hexachlorocyclopentadiene	0.2504879	31.1			20	*
Hexachloroethane	0.6315432	4.1			20	
Indeno(1,2,3-cd)pyrene	1.025965	14.1			20	
Isophorone	0.6886272	2.9			20	
2-Methylnaphthalene	0.7046621	4.1			20	
2-Methylphenol	1.211444	4.8			20	
3/4-Methylphenol	1.354947	6.7			20	
Naphthalene	1.07772	4.6			20	
2-Nitroaniline	0.3552419	5.8			20	
3-Nitroaniline	0.33453	5.9			20	
4-Nitroaniline	0.3463704	5.6			20	
Nitrobenzene	0.4051957	3.4			20	
2-Nitrophenol	0.1982975	6.3			20	
4-Nitrophenol	0.1481855	15.9			20	
N-Nitrosodiphenylamine/Diphenylamine	0.5921194	5.2			20	
N-Nitrosodi-n-propylamine	0.9364155	7.7			20	
Pentachlorophenol	9.069569E-02	29.0	0.993		0.99	

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Pace New England	Work Order:	23G2329
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	GCMSSV4	Calibration:	2301114
Lab File ID:	D23S206018.D	Calibration Date:	08/07/23 08:29
Sequence:	S093295	Injection Date:	07/25/23
Lab Sample ID:	S093295-ICV1	Injection Time:	16:50

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)	
Atrazine	A	50.0	56.3	0.3581678	0.4032525		12.6	30	
Benzaldehyde	A	50.0	28.5	1.048258	0.5967243		-43.1	30	*
Biphenyl	A	50.0	52.5	1.653652	1.736125		5.0	30	
Caprolactam	A	50.0	57.8	9.322574E-02	0.1077171		15.5	30	
Acenaphthene	A	50.0	51.0	1.154661	1.176791		1.9	30	
Acenaphthylene	A	50.0	53.0	1.973045	2.092212		6.0	30	
Acetophenone	A	50.0	51.3	1.919745	1.9699		2.6	30	
Anthracene	A	50.0	51.6	1.101059	1.136887		3.3	30	
Benzo(a)anthracene	A	50.0	51.6	1.459748	1.504888		3.1	30	
Benzo(a)pyrene	A	50.0	49.2	1.178001	1.159129		-1.6	30	
Benzo(b)fluoranthene	A	50.0	51.2	1.311356	1.343706		2.5	30	
Benzo(g,h,i)perylene	A	50.0	56.6	1.016687	1.151529		13.3	30	
Benzo(k)fluoranthene	A	50.0	52.0	1.16928	1.214796		3.9	30	
Bis(2-chloroethoxy)methane	A	50.0	53.5	0.4288509	0.4586501		6.9	30	
Bis(2-chloroethyl)ether	A	50.0	53.0	1.022673	1.084178		6.0	30	
Bis(2-chloroisopropyl)ether	A	50.0	56.2	1.593308	1.791516		12.4	30	
Bis(2-Ethylhexyl)phthalate	A	50.0	54.9	0.9607729	1.055702		9.9	30	
4-Bromophenylphenylether	A	50.0	52.0	0.2344215	0.2437552		4.0	30	
Butylbenzylphthalate	A	50.0	55.0	0.6875365	0.7565917		10.0	30	
Carbazole	A	50.0	50.2	1.025658	1.030389		0.5	30	
4-Chloroaniline	A	50.0	33.7	0.405139	0.2732272		-32.6	30	*
4-Chloro-3-methylphenol	A	50.0	51.4	0.3067432	0.3151818		2.8	30	
2-Chloronaphthalene	A	50.0	48.0	1.578352	1.514073		-4.1	30	
2-Chlorophenol	A	50.0	52.8	1.431697	1.512852		5.7	30	
4-Chlorophenylphenylether	A	50.0	51.8	0.7250416	0.751546		3.7	30	
Chrysene	A	50.0	50.1	1.335548	1.337032		0.1	30	
Dibenz(a,h)anthracene	A	50.0	56.0	1.013525	1.135834		12.1	30	
Dibenzofuran	A	50.0	53.1	1.72694	1.834745		6.2	30	
Di-n-butylphthalate	A	50.0	51.9	1.356172	1.407539		3.8	30	

1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Pace New England			Work Order:	23G2329
Client:	NYDEC_TRC Engineers, Inc. - New York, NY		Project:	250 Water Street P-site CAT B - CO 147098	
Matrix:	Soil	Laboratory ID:	B347451-BLK1	File ID:	D23S21913.D
Sampled:		Prepared:	07/29/23 10:23	Analyzed:	08/08/23 16:29
Solids:		Preparation:	SW-846 3546	Dilution:	
Initial/Final:	30.7 g / 1 mL				
Batch:	B347451	Sequence:	S091728	Calibration:	2301114
Instrument:	GCMSSV4				
Column:	1				

CAS NO.	COMPOUND	CONC. (mg/Kg wet)	MDL	RL	Q
100-02-7	4-Nitrophenol		0.14	0.64	
86-30-6	N-Nitrosodiphenylamine/Diphenylamine		0.067	0.33	
621-64-7	N-Nitrosodi-n-propylamine		0.072	0.33	
87-86-5	Pentachlorophenol		0.15	0.33	
85-01-8	Phenanthrene		0.065	0.17	
108-95-2	Phenol		0.077	0.33	
129-00-0	Pyrene		0.066	0.17	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.068	0.33	
95-95-4	2,4,5-Trichlorophenol		0.064	0.33	
88-06-2	2,4,6-Trichlorophenol		0.063	0.33	

CAS NO.	TENTATIVELY IDENTIFIED COMPOUNDS	CONC. (mg/Kg wet)	Q
NA	3-Penten-2-one, 4-methyl-	2.5	B
NA	Tentatively Identified Compounds	0.0	

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8081B

Laboratory:	Pace New England	Work Order:	23G2329
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	ECD6	Calibration:	2300864
Lab File ID:	F23E200017.D	Calibration Date:	07/17/23 00:00
Sequence:	S090819	Injection Date:	07/19/23
Lab Sample ID:	S090819-ICV1	Injection Time:	16:41

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)	
Chlordane	A	100	111					20	
Chlordane [2C]	A	100	116					20	
Chlordane (1)	A	100	115	1524942	1753000		15.0	20	
Chlordane (1) [2C]	A	100	125	657137	823019.3		25.2	20	*
Chlordane (2)	A	100	130	2286001	2982000		30.4	20	*
Chlordane (2) [2C]	A	100	143	939848.4	1339000		42.5	20	*
Chlordane (3)	A	100	113	1762761	1983000		12.5	20	
Chlordane (3) [2C]	A	100	120	811086.6	975082		20.2	20	*
Chlordane (4)	A	100	101	6209312	6243000		0.5	20	
Chlordane (4) [2C]	A	100	68.5	2644451	1811000		-31.5	20	*
Chlordane (5)	A	100	94.9	1747703	1659000		-5.1	20	
Chlordane (5) [2C]	A	100	123	1852094	2272000		22.7	20	*

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8081B

Laboratory:	Pace New England	Work Order:	23G2329
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	ECD6	Calibration:	2300912
Lab File ID:	F23E208028.D	Calibration Date:	07/27/23 00:00
Sequence:	S091408	Injection Date:	07/27/23
Lab Sample ID:	S091408-ICV1	Injection Time:	22:39

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)	
Chlordane	A	100	113					20	
Chlordane [2C]	A	100	109					20	
Chlordane (1)	A	100	114	1228902	1397000		13.7	20	
Chlordane (1) [2C]	A	100	117	618675.6	725107.4		17.2	20	
Chlordane (2)	A	100	133	1942164	2586000		33.2	20	*
Chlordane (2) [2C]	A	100	132	978998.6	1290000		31.8	20	*
Chlordane (3)	A	100	121	1488282	1798000		20.8	20	*
Chlordane (3) [2C]	A	100	114	790366.9	897254.2		13.5	20	
Chlordane (4)	A	100	101	5139665	5193000		1.0	20	
Chlordane (4) [2C]	A	100	66.7	2642169	1763000		-33.3	20	*
Chlordane (5)	A	100	98.1	1528302	1499000		-1.9	20	
Chlordane (5) [2C]	A	100	118	1811565	2135000		17.9	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8082A

Laboratory:	Pace New England	Work Order:	23G2329
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	ECD5	Calibration:	2300629
Lab File ID:	E23E140028.D	Calibration Date:	05/23/23 11:18
Sequence:	S087911	Injection Date:	05/20/23
Lab Sample ID:	S087911-ICV1	Injection Time:	15:46

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)	
Aroclor-1254	A	100	88.5				-11.5	20	
Aroclor-1254 (1)	A	100	88.7	477762.9	423850.2		-11.3	20	
Aroclor-1254 (2)	A	100	87.0	528261.8	459849.3		-13.0	20	
Aroclor-1254 (3)	A	100	92.1	872560.7	803416.1		-7.9	20	
Aroclor-1254 (4)	A	100	90.0	642906	578326.6		-10.0	20	
Aroclor-1254 (5)	A	100	84.7	932331.2	789255.9		-15.3	20	
Aroclor-1254 [2C]	A	100	85.7				-14.3	20	
Aroclor-1254 (1) [2C]	A	100	90.1	496912.8	447916.6		-9.9	20	
Aroclor-1254 (2) [2C]	A	100	86.9	578941.4	502878.6		-13.1	20	
Aroclor-1254 (3) [2C]	A	100	95.0	784592.1	745084.9		-5.0	20	
Aroclor-1254 (4) [2C]	A	100	86.0	378678.7	325620.4		-14.0	20	
Aroclor-1254 (5) [2C]	A	100	70.6	827471	584431.9		-29.4	20	*

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8082A

Laboratory:	Pace New England	Work Order:	23G2329
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	ECD5	Calibration:	2300629
Lab File ID:	E23E140055.D	Calibration Date:	05/23/23 11:18
Sequence:	S087914	Injection Date:	05/20/23
Lab Sample ID:	S087914-ICV1	Injection Time:	21:06

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)	
Aroclor-1232	A	100	94.3				-5.7	20	
Aroclor-1232 (1)	A	100	97.6	290859.9	283721		-2.4	20	
Aroclor-1232 (2)	A	100	88.0	207128.5	182337.8		-12.0	20	
Aroclor-1232 (3)	A	100	101	129448.9	130752.2		1.0	20	
Aroclor-1232 (4)	A	100	90.7	163821.1	148601.9		-9.3	20	
Aroclor-1232 (5)	A	100	94.4	164940.2	155621		-5.6	20	
Aroclor-1232 [2C]	A	100	91.7				-8.3	20	
Aroclor-1232 (1) [2C]	A	100	93.5	265337	248176.9		-6.5	20	
Aroclor-1232 (2) [2C]	A	100	96.3	187035.8	180152.4		-3.7	20	
Aroclor-1232 (3) [2C]	A	100	91.9	144160.1	132491.4		-8.1	20	
Aroclor-1232 (4) [2C]	A	100	89.4	147487.5	131912.4		-10.6	20	
Aroclor-1232 (5) [2C]	A	100	87.5	170108	148798.6		-12.5	20	
Aroclor-1268	A	100	109				8.6	20	
Aroclor-1268 (1)	A	100	99.3	1707402	1695000		-0.7	20	
Aroclor-1268 (2)	A	100	100	1578035	1583000		0.3	20	
Aroclor-1268 (3)	A	100	88.5	1475784	1307000		-11.5	20	
Aroclor-1268 (4)	A	100	143	402388.1	574705.2		42.8	20	*
Aroclor-1268 (5)	A	100	112	3680798	4125000		12.1	20	
Aroclor-1268 [2C]	A	100	109				8.6	20	
Aroclor-1268 (1) [2C]	A	100	99.9	1544747	1543000		-0.1	20	
Aroclor-1268 (2) [2C]	A	100	101	1397979	1418000		1.5	20	
Aroclor-1268 (3) [2C]	A	100	89.3	1329180	1186000		-10.7	20	
Aroclor-1268 (4) [2C]	A	100	140	360263.5	503926.8		39.9	20	*
Aroclor-1268 (5) [2C]	A	100	113	3207702	3614000		12.7	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8082A

Laboratory:	Pace New England	Work Order:	23G2329
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	ECD5	Calibration:	2300629
Lab File ID:	E23E140064.D	Calibration Date:	05/23/23 11:18
Sequence:	S087915	Injection Date:	05/20/23
Lab Sample ID:	S087915-ICV1	Injection Time:	22:53

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)	
Aroclor-1221	A	100	92.1				-7.9	20	
Aroclor-1221 (1)	A	100	89.8	157396.3	141314.2		-10.2	20	
Aroclor-1221 (2)	A	100	91.6	368522.4	337433.1		-8.4	20	
Aroclor-1221 (3)	A	100	95.0	53149.32	50504.89		-5.0	20	
Aroclor-1221 (4)	A	100	0.00					20	
Aroclor-1221 (5)	A	100	0.00					20	
Aroclor-1221 [2C]	A	100	89.4				-10.6	20	
Aroclor-1221 (1) [2C]	A	100	88.3	146847.3	129652.9		-11.7	20	
Aroclor-1221 (2) [2C]	A	100	91.9	335609.6	308336.5		-8.1	20	
Aroclor-1221 (3) [2C]	A	100	88.1	44372.87	39110.47		-11.9	20	
Aroclor-1221 (4) [2C]	A	100	0.00					20	
Aroclor-1221 (5) [2C]	A	100	0.00					20	
Aroclor-1262	A	100	88.3				-11.7	20	
Aroclor-1262 (1)	A	100	88.7	337030.7	298788.4		-11.3	20	
Aroclor-1262 (2)	A	100	93.3	291775.3	272308.8		-6.7	20	
Aroclor-1262 (3)	A	100	86.4	373485.2	322785.5		-13.6	20	
Aroclor-1262 (4)	A	100	88.0	792864.7	697515.8		-12.0	20	
Aroclor-1262 (5)	A	100	84.9	1652227	1402000		-15.1	20	
Aroclor-1262 [2C]	A	100	85.9				-14.1	20	
Aroclor-1262 (1) [2C]	A	100	87.7	310339.4	272181.8		-12.3	20	
Aroclor-1262 (2) [2C]	A	100	79.9	629397.7	503012.2		-20.1	20	*
Aroclor-1262 (3) [2C]	A	100	89.9	764568.9	687381		-10.1	20	
Aroclor-1262 (4) [2C]	A	100	89.0	730822.7	650323.8		-11.0	20	
Aroclor-1262 (5) [2C]	A	100	82.7	1448581	1199000		-17.3	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

LOW-CONCENTRATION CALIBRATION VERIFICATION

SW-846 6010D

Laboratory: Pace New England
SDG: 23G2329
Client: NYDEC_TRC Engineers, Inc. - New York, NY
Project: 250 Water Street P-site CAT B - CO 147098
Calibration: 2300883
Laboratory ID: S090762-LCV1
Sequence: S090762
Standard ID: 2305770

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Aluminum	0.0500	0.0564	12.9	20.00
Antimony	0.0500	0.0430	-13.9	20.00
Arsenic	0.0100	0.00947	-5.3	20.00
Barium	0.0500	0.0553	10.5	20.00
Beryllium	0.00400	0.00435	8.7	20.00
Cadmium	0.00400	0.00458	14.5	20.00
Calcium	0.500	0.555	11.1	20.00
Chromium	0.0100	0.0106	6.0	20.00
Cobalt	0.0100	0.0111	11.0	20.00
Iron	0.0500	0.0519	3.7	20.00
Magnesium	0.0500	0.0406	-18.8	20.00
Manganese	0.0100	0.0103	3.4	20.00
Nickel	0.0100	0.0113	13.3	20.00
Potassium	2.00	2.14	7.2	20.00
Selenium	0.0500	0.0548	9.6	20.00
Sodium	2.00	2.18	9.1	20.00
Thallium	0.0500	0.0466	-6.8	20.00
Vanadium	0.0100	0.00891	-10.9	20.00

* Values outside of QC limits

LOW-CONCENTRATION CALIBRATION VERIFICATION

SW-846 6010D

Laboratory: Pace New England
SDG: 23G2329
Client: NYDEC_TRC Engineers, Inc. - New York, NY
Project: 250 Water Street P-site CAT B - CO 147098
Calibration: 2300894
Laboratory ID: S090888-LCV1
Sequence: S090888
Standard ID: 2305079

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Aluminum	0.0500	0.0468	-6.4	20.00
Antimony	0.0500	0.0402	-19.6	20.00
Arsenic	0.0100	0.0103	3.0	20.00
Barium	0.0500	0.0438	-12.5	20.00
Beryllium	0.00400	0.00356	-11.1	20.00
Cadmium	0.00400	0.00362	-9.4	20.00
Calcium	0.500	0.423	-15.4	20.00
Chromium	0.0100	0.00908	-9.2	20.00
Cobalt	0.0100	0.00896	-10.4	20.00
Copper	0.0100	0.00869	-13.1	20.00
Iron	0.0500	0.0454	-9.3	20.00
Magnesium	0.0500	0.0434	-13.3	20.00
Manganese	0.0100	0.00880	-12.0	20.00
Nickel	0.0100	0.00972	-2.8	20.00
Potassium	2.00	1.78	-11.1	20.00
Selenium	0.0500	0.0440	-12.1	20.00
Silver	0.0100	0.00944	-5.6	20.00
Sodium	2.00	1.76	-12.0	20.00
Thallium	0.0500	0.0460	-7.9	20.00
Zinc	0.0100	0.0110	9.8	20.00

* Values outside of QC limits

LOW-CONCENTRATION CALIBRATION VERIFICATION

SW-846 6010D

Laboratory: Pace New England
SDG: 23G2329
Client: NYDEC_TRC Engineers, Inc. - New York, NY
Project: 250 Water Street P-site CAT B - CO 147098
Calibration: 2300909
Laboratory ID: S091111-LCV1
Sequence: S091111
Standard ID: 2305079

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Aluminum	0.0500	0.0595	19.0	20.00
Antimony	0.0500	0.0463	-7.4	20.00
Barium	0.0500	0.0557	11.4	20.00
Beryllium	0.00400	0.00461	15.3	20.00
Cadmium	0.00400	0.00457	14.2	20.00
Calcium	0.500	0.549	9.7	20.00
Chromium	0.0100	0.0115	15.0	20.00
Cobalt	0.0100	0.0109	9.1	20.00
Copper	0.0100	0.0115	15.3	20.00
Iron	0.0500	0.0519	3.7	20.00
Magnesium	0.0500	0.0557	11.3	20.00
Manganese	0.0100	0.0114	14.4	20.00
Nickel	0.0100	0.0112	12.5	20.00
Potassium	2.00	2.22	11.1	20.00
Silver	0.0100	0.0114	14.4	20.00
Sodium	2.00	2.22	11.1	20.00
Thallium	0.0500	0.0479	-4.3	20.00
Vanadium	0.0100	0.0114	13.8	20.00
Zinc	0.0100	0.0120	19.6	20.00

* Values outside of QC limits

LOW-CONCENTRATION CALIBRATION VERIFICATION

SW-846 6010D

Laboratory: Pace New England
SDG: 23G2329
Client: NYDEC_TRC Engineers, Inc. - New York, NY
Project: 250 Water Street P-site CAT B - CO 147098
Calibration: 2300909
Laboratory ID: S091111-LCV3
Sequence: S091111
Standard ID: 2306143

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Selenium	0.0500	0.0557	11.4	20.00

* Values outside of QC limits

LOW-CONCENTRATION CALIBRATION VERIFICATION

SW-846 6010D

Laboratory: Pace New England
SDG: 23G2329
Client: NYDEC_TRC Engineers, Inc. - New York, NY
Project: 250 Water Street P-site CAT B - CO 147098
Calibration: 2300909
Laboratory ID: S091201-LCV1
Sequence: S091201
Standard ID: 2305079

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Antimony	0.0500	0.0436	-12.8	20.00
Arsenic	0.0100	0.0103	3.1	20.00
Barium	0.0500	0.0538	7.5	20.00
Beryllium	0.00400	0.00436	8.9	20.00
Cadmium	0.00400	0.00449	12.3	20.00
Calcium	0.500	0.535	7.0	20.00
Chromium	0.0100	0.0111	10.7	20.00
Cobalt	0.0100	0.0107	6.8	20.00
Copper	0.0100	0.00904	-9.6	20.00
Iron	0.0500	0.0522	4.4	20.00
Lead	0.0100	0.0119	18.7	20.00
Magnesium	0.0500	0.0554	10.8	20.00
Manganese	0.0100	0.0108	7.5	20.00
Nickel	0.0100	0.0110	9.7	20.00
Potassium	2.00	2.21	10.7	20.00
Selenium	0.0500	0.0543	8.6	20.00
Silver	0.0100	0.0114	13.8	20.00
Sodium	2.00	2.22	11.2	20.00
Thallium	0.0500	0.0457	-8.6	20.00
Vanadium	0.0100	0.0105	5.2	20.00
Zinc	0.0100	0.0119	19.0	20.00

* Values outside of QC limits

INTERFERENCE CHECK SAMPLE

SW-846 6010D

Laboratory:	Pace New England	Work Order:	23G2329
Client:	NYDEC_TRC Engineers, Inc. - New York, N	Project:	250 Water Street P-site CAT B - CO 14709
Instrument ID:	ICP2	Calibration:	2300909
Sequence:	S091172		

Lab Sample ID	Analyte	RL	True	Found	%R	Units
S091172-IFA1	Aluminum	0.50	250	251.91	101	mg/L
	Antimony	0.050		-0.01		mg/L
	Arsenic	0.10		0.00		mg/L
	Barium	0.050		0.00		mg/L
	Beryllium	0.0050		0.00		mg/L
	Cadmium	0.010		0.00		mg/L
	Calcium	0.50	250	236.85	94.7	mg/L
	Chromium	0.020		0.00		mg/L
	Cobalt	0.050		0.00		mg/L
	Magnesium	0.50	250	217.99	87.2	mg/L
	Manganese	0.010		0.00		mg/L
	Nickel	0.020		0.01		mg/L
	Potassium	5.0		-0.02		mg/L
	Selenium	0.10		-0.02		mg/L
	Silver	0.010		0.01		mg/L
	Thallium	0.050		0.01		mg/L
	Zinc	0.020		-0.01		mg/L
S091172-IFB1	Aluminum	0.50	250	253.49	101	mg/L
	Antimony	0.050	1.20	1.06	88.1	mg/L
	Arsenic	0.10	0.200	0.20	100	mg/L
	Barium	0.050	1.00	1.01	101	mg/L
	Beryllium	0.0050	1.00	1.04	104	mg/L
	Cadmium	0.010	2.00	2.04	102	mg/L
	Calcium	0.50	250	238.20	95.3	mg/L
	Chromium	0.020	1.00	0.98	97.8	mg/L
	Cobalt	0.050	1.00	0.92	92.5	mg/L
	Magnesium	0.50	250	219.57	87.8	mg/L
	Manganese	0.010	1.00	0.98	98.1	mg/L
	Nickel	0.020	2.00	1.85	92.7	mg/L
	Potassium	5.0		-0.02		mg/L
	Selenium	0.10	0.500	0.50	100	mg/L
	Silver	0.010	0.400	0.47	117	mg/L
	Thallium	0.050	0.200	0.23	117	mg/L
	Zinc	0.020	2.00	1.87	93.3	mg/L
S091172-IFA2	Aluminum	0.50	250	253.72	101	mg/L

INTERFERENCE CHECK SAMPLE

SW-846 6010D

Laboratory:	Pace New England	Work Order:	23G2329
Client:	NYDEC_TRC Engineers, Inc. - New York, N	Project:	250 Water Street P-site CAT B - CO 14709
Instrument ID:	ICP2	Calibration:	2300909
Sequence:	S091172		

Lab Sample ID	Analyte	RL	True	Found	%R	Units
S091172-IFA2	Antimony	0.050		-0.01		mg/L
	Arsenic	0.10		0.00		mg/L
	Barium	0.050		0.00		mg/L
	Beryllium	0.0050		0.00		mg/L
	Cadmium	0.010		0.00		mg/L
	Calcium	0.50	250	236.31	94.5	mg/L
	Chromium	0.020		0.00		mg/L
	Cobalt	0.050		0.00		mg/L
	Magnesium	0.50	250	216.24	86.5	mg/L
	Manganese	0.010		0.00		mg/L
	Nickel	0.020		0.01		mg/L
	Potassium	5.0		0.00		mg/L
	Selenium	0.10		-0.02		mg/L
	Silver	0.010		0.01		mg/L
	Thallium	0.050		0.01		mg/L
	Zinc	0.020		-0.01		mg/L
S091172-IFB2	Aluminum	0.50	250	251.75	101	mg/L
	Antimony	0.050	1.20	1.07	89.4	mg/L
	Arsenic	0.10	0.200	0.20	101	mg/L
	Barium	0.050	1.00	1.01	101	mg/L
	Beryllium	0.0050	1.00	1.05	105	mg/L
	Cadmium	0.010	2.00	2.02	101	mg/L
	Calcium	0.50	250	235.17	94.1	mg/L
	Chromium	0.020	1.00	0.97	97.3	mg/L
	Cobalt	0.050	1.00	0.92	92.1	mg/L
	Magnesium	0.50	250	215.05	86.0	mg/L
	Manganese	0.010	1.00	0.96	96.2	mg/L
	Nickel	0.020	2.00	1.85	92.3	mg/L
	Potassium	5.0		0.00		mg/L
	Selenium	0.10	0.500	0.51	101	mg/L
	Silver	0.010	0.400	0.47	117	mg/L
	Thallium	0.050	0.200	0.23	115	mg/L
	Zinc	0.020	2.00	1.85	92.4	mg/L
S091172-IFA3	Aluminum	0.50	250	255.33	102	mg/L
	Antimony	0.050		0.00		mg/L

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 6010D

Laboratory:	Pace New England	Work Order:	23G2329
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Soil	Preparation:	SW-846 3050B
Batch:	B347073	Laboratory ID:	B347073-BS1
Column:		Initial/Final:	0.5067 g / 50 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.	QC LIMITS REC.
Aluminum	8040	6860	85.3	47.6 - 151.7
Antimony	129	71.2	55.2	9.8 - 189.9
Barium	297	270	90.9	82.2 - 118.2
Beryllium	78.8	68.2	86.5	83 - 117
Cadmium	221	201	90.8	82.4 - 117.2
Calcium	4710	3920	83.2	81.3 - 118.5
Chromium	200	179	89.3	81.5 - 118.5
Cobalt	97.4	88.0	90.4	83.3 - 117
Magnesium	2290	1890	82.6	75.5 - 124.5
Manganese	381	340	89.3	81.6 - 118.1
Nickel	169	156	92.1	82.2 - 117.2
Potassium	2030	1890	93.0	70 - 130
Selenium	217	176	81.3	79.3 - 121.2
Silver	67.8	68.5	101	79.8 - 120.1
Thallium	80.5	69.0	85.7	80.7 - 119.4
Zinc	224	196	87.4	80.4 - 119.6

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aluminum	8040	7090	88.2	3.32	30	47.6 - 151.7
Antimony	129	68.5	53.1	3.82	30	9.8 - 189.9
Barium	297	276	93.0	2.23	20	82.2 - 118.2
Beryllium	78.8	70.2	89.0	2.87	30	83 - 117
Cadmium	221	210	94.9	4.41	20	82.4 - 117.2
Calcium	4710	3890	82.5	0.801	30	81.3 - 118.5
Chromium	200	182	90.9	1.84	30	81.5 - 118.5
Cobalt	97.4	88.0	90.3	0.0866	20	83.3 - 117
Magnesium	2290	1900	83.0	0.444	30	75.5 - 124.5
Manganese	381	329	86.4	3.37	30	81.6 - 118.1
Nickel	169	155	91.7	0.357	30	82.2 - 117.2
Potassium	2030	1980	97.5	4.68	30	70 - 130
Selenium	217	176	81.0	0.342	30	79.3 - 121.2
Silver	67.8	67.8	99.9	1.04	30	79.8 - 120.1
Thallium	80.5	73.5	91.3	6.25	30	80.7 - 119.4
Zinc	224	198	88.5	1.21	30	80.4 - 119.6

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 9014

Laboratory:	Pace New England	Work Order:	23G2329
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Soil	Preparation:	SW-846 9010C
Batch:	B346292	Laboratory ID:	B346292-BS1
Column:		Initial/Final:	1.0399 g / 50 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.		QC LIMITS REC.
Cyanide	126	94	74.9	*	80 - 120

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD % REC. #	% RPD #		QC LIMITS RPD	QC LIMITS REC.
Cyanide	128	150	118	46.3	*	20	80 - 120

Data Usability Summary Report

Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

250 Water St., Manhattan, NY
Pace/Con-test SDG#23G2331
December 12, 2023
Sampling date: 7/17/2023

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for TRC Engineers, Inc., project located at 250 Water St., Manhattan, NY, Pace/Con-test #23G2331 submitted to Vali-Data of WNY, LLC on October 10, 2023. This DUSR has been prepared in general compliance with USEPA National Functional Guidelines(NFG), NYSDEC; 'Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS)' (4/2023) and NYSDEC Analytical Services Protocols. The laboratory performed the analyses using the USEPA method Perfluorinated Hydrocarbons (1633 (12/2022)) and in accordance with wet chemistry methods.

ID	Sample ID	Laboratory ID
1	250WATERST-SB107-SS(2-4)	23G2331-01
2	250WATERST-SB107-SS(13-15)	23G2331-02
3	250WATERST-EB-20230717-1	23G2331-03

PFAA

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS)
- Surrogate Spike Recoveries
- Blanks
- Field Duplicate Sample Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

BLANKS
All the criteria were met except a couple of target analytes were detected in S092031-IBL1. There were no target analytes detected in the associated sample, so no further action is required.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
No MS/MSD was acquired.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.

CONTINUING CALIBRATION
All criteria were met.

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

Draft Method 1633

Qualifications:

H-01

Recommended sample holding time was exceeded, but analysis was performed before 2X the allowable holding time.

Analyte & Samples(s) Qualified:

Total Suspended Solids

23G2331-03[250WATERST-EB-20230717-1]

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Technical Representative

con-test® A Pace Analytical® Laboratory
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water St, NY,NY Sample Description: Work Order: 23G2331

Date Received: 7/18/2023

Field Sample #: 250WATERST-SB107-SS(2-4) Sampled: 7/17/2023 09:30

Sample ID: 23G2331-01

Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	0.80	0.15	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:27	AMS
Perfluoropentanoic acid (PFPeA)	0.050	0.40	0.026	µg/kg dry	1	J	Draft Method 1633	8/9/23	8/14/23 15:27	AMS
Perfluorohexanoic acid (PFHxA)	0.022	0.20	0.014	µg/kg dry	1	J	Draft Method 1633	8/9/23	8/14/23 15:27	AMS
Perfluoroheptanoic acid (PFHpA)	0.020	0.20	0.015	µg/kg dry	1	J	Draft Method 1633	8/9/23	8/14/23 15:27	AMS
Perfluorooctanoic acid (PFOA)	0.21	0.20	0.029	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:27	AMS
Perfluorononanoic acid (PFNA)	0.13	0.20	0.026	µg/kg dry	1	J	Draft Method 1633	8/9/23	8/14/23 15:27	AMS
Perfluorodecanoic acid (PFDA)	0.020	0.20	0.019	µg/kg dry	1	J	Draft Method 1633	8/9/23	8/14/23 15:27	AMS
Perfluoroundecanoic acid (PFUnA)	ND	0.20	0.020	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:27	AMS
Perfluorododecanoic acid (PFDoA)	ND	0.20	0.022	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:27	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	0.20	0.027	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:27	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	0.20	0.018	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:27	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	0.20	0.020	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:27	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	0.20	0.030	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:27	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	0.20	0.025	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:27	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.20	0.023	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:27	AMS
Perfluorooctanesulfonic acid (PFOS)	1.6	0.20	0.036	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:27	AMS
Perfluorononanesulfonic acid (PFNS)	ND	0.20	0.030	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:27	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	0.20	0.045	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:27	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	0.20	0.021	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:27	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	0.80	0.075	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:27	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	0.80	0.082	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:27	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	0.80	0.075	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:27	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	0.20	0.11	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:27	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	0.20	0.021	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:27	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.20	0.028	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:27	AMS
N-MeFOSAA (NMeFOSAA)	ND	0.20	0.028	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:27	AMS
N-EtFOSAA (NEtFOSAA)	ND	0.20	0.042	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:27	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	2.0	0.16	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:27	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	2.0	0.17	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:27	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	0.80	0.066	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:27	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	0.80	0.081	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:27	AMS
9Cl-PF3ONS (F53B Minor)	ND	0.80	0.077	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:27	AMS
11Cl-PF3OUdS (F53B Major)	ND	0.80	0.11	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:27	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	2.0	0.17	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:27	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	10	1.2	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:27	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	10	0.98	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:27	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	0.40	0.020	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:27	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	0.40	0.042	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:27	AMS

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Project Location: 250 Water St, NY,NY Sample Description: Work Order: 23G2331

Date Received: 7/18/2023

Field Sample #: 250WATERST-SB107-SS(2-4) Sampled: 7/17/2023 09:30

Sample ID: 23G2331-01

Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	0.40	0.031	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:27	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	0.40	0.041	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:27	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C4-PFBA	78.7	10-130		8/14/23 15:27
13C5-PFPeA	75.8	35-150		8/14/23 15:27
13C5-PFHxA	80.2	55-150		8/14/23 15:27
13C4-PFHpA	75.4	55-150		8/14/23 15:27
13C8-PFOA	80.7	60-140		8/14/23 15:27
13C9-PFNA	85.9	55-140		8/14/23 15:27
13C6-PFDA	83.7	50-140		8/14/23 15:27
13C7-PFUnA	86.2	30-140		8/14/23 15:27
13C2-PFDoA	81.2	10-150		8/14/23 15:27
13C2-PFTeDA	82.6	10-130		8/14/23 15:27
13C3-PFBS	72.2	55-150		8/14/23 15:27
13C3-PFHxS	80.5	55-150		8/14/23 15:27
13C8-PFOS	82.9	45-140		8/14/23 15:27
13C2-4:2FTS	66.7	60-200		8/14/23 15:27
13C2-6:2FTS	78.5	60-200		8/14/23 15:27
13C2-8:2FTS	92.5	50-200		8/14/23 15:27
13C8-PFOSA	75.3	30-130		8/14/23 15:27
D3-NMeFOSA	77.2	15-130		8/14/23 15:27
D5-NEtFOSA	72.3	10-130		8/14/23 15:27
D3-NMeFOSAA	84.5	45-200		8/14/23 15:27
D5-NEtFOSAA	87.6	10-200		8/14/23 15:27
D7-NMeFOSE	75.9	10-150		8/14/23 15:27
D9-NEtFOSE	72.3	10-150		8/14/23 15:27
13C3-HFPO-DA	77.6	25-160		8/14/23 15:27

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Project Location: 250 Water St, NY,NY Sample Description: Work Order: 23G2331

Date Received: 7/18/2023

Field Sample #: 250WATERST-SB107-SS(2-4) Sampled: 7/17/2023 09:30

Sample ID: 23G2331-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.6		% Wt	1		SM 2540G	7/21/23	7/21/23 13:05	BMV

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Project Location: 250 Water St, NY,NY | Sample Description: | Work Order: 23G2331

Date Received: 7/18/2023

Field Sample #: 250WATERST-SB107-SS(13-15) | Sampled: 7/17/2023 09:45

Sample ID: 23G2331-02

Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	0.80	0.15	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:43	AMS
Perfluoropentanoic acid (PFPeA)	0.030	0.40	0.026	µg/kg dry	1	J	Draft Method 1633	8/9/23	8/14/23 15:43	AMS
Perfluorohexanoic acid (PFHxA)	ND	0.20	0.014	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:43	AMS
Perfluoroheptanoic acid (PFHpA)	ND	0.20	0.015	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:43	AMS
Perfluorooctanoic acid (PFOA)	ND	0.20	0.029	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:43	AMS
Perfluorononanoic acid (PFNA)	ND	0.20	0.026	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:43	AMS
Perfluorodecanoic acid (PFDA)	ND	0.20	0.019	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:43	AMS
Perfluoroundecanoic acid (PFUnA)	ND	0.20	0.020	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:43	AMS
Perfluorododecanoic acid (PFDoA)	ND	0.20	0.022	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:43	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	0.20	0.027	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:43	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	0.20	0.018	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:43	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	0.20	0.020	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:43	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	0.20	0.030	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:43	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	0.20	0.025	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:43	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.20	0.023	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:43	AMS
Perfluorooctanesulfonic acid (PFOS)	ND	0.20	0.036	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:43	AMS
Perfluorononanesulfonic acid (PFNS)	ND	0.20	0.030	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:43	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	0.20	0.045	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:43	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	0.20	0.021	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:43	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	0.80	0.075	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:43	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	0.80	0.082	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:43	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	0.80	0.075	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:43	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	0.20	0.11	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:43	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	0.20	0.021	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:43	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.20	0.028	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:43	AMS
N-MeFOSAA (NMeFOSAA)	ND	0.20	0.028	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:43	AMS
N-EtFOSAA (NEtFOSAA)	ND	0.20	0.042	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:43	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	2.0	0.16	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:43	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	2.0	0.17	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:43	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	0.80	0.066	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:43	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	0.80	0.081	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:43	AMS
9Cl-PF3ONS (F53B Minor)	ND	0.80	0.077	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:43	AMS
11Cl-PF3OUdS (F53B Major)	ND	0.80	0.11	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:43	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	2.0	0.17	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:43	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	10	1.2	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:43	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	10	0.98	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:43	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	0.40	0.020	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:43	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	0.40	0.042	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:43	AMS

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water St, NY,NY | Sample Description: | Work Order: 23G2331

Date Received: 7/18/2023

Field Sample #: 250WATERST-SB107-SS(13-15) | Sampled: 7/17/2023 09:45

Sample ID: 23G2331-02

Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	0.40	0.031	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:43	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	0.40	0.041	µg/kg dry	1		Draft Method 1633	8/9/23	8/14/23 15:43	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C4-PFBA	72.8	10-130		8/14/23 15:43
13C5-PFPeA	77.5	35-150		8/14/23 15:43
13C5-PFHxA	83.4	55-150		8/14/23 15:43
13C4-PFHpA	80.2	55-150		8/14/23 15:43
13C8-PFOA	81.2	60-140		8/14/23 15:43
13C9-PFNA	87.3	55-140		8/14/23 15:43
13C6-PFDA	89.4	50-140		8/14/23 15:43
13C7-PFUnA	86.4	30-140		8/14/23 15:43
13C2-PFDoA	82.1	10-150		8/14/23 15:43
13C2-PFTeDA	83.1	10-130		8/14/23 15:43
13C3-PFBS	78.2	55-150		8/14/23 15:43
13C3-PFHxS	81.5	55-150		8/14/23 15:43
13C8-PFOS	89.8	45-140		8/14/23 15:43
13C2-4:2FTS	69.3	60-200		8/14/23 15:43
13C2-6:2FTS	81.7	60-200		8/14/23 15:43
13C2-8:2FTS	90.9	50-200		8/14/23 15:43
13C8-PFOSA	80.5	30-130		8/14/23 15:43
D3-NMeFOSA	81.0	15-130		8/14/23 15:43
D5-NEtFOSA	79.5	10-130		8/14/23 15:43
D3-NMeFOSAA	86.1	45-200		8/14/23 15:43
D5-NEtFOSAA	87.0	10-200		8/14/23 15:43
D7-NMeFOSE	79.3	10-150		8/14/23 15:43
D9-NEtFOSE	75.0	10-150		8/14/23 15:43
13C3-HFPO-DA	80.1	25-160		8/14/23 15:43

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water St, NY,NY Sample Description: Work Order: 23G2331

Date Received: 7/18/2023

Field Sample #: 250WATERST-SB107-SS(13-15) Sampled: 7/17/2023 09:45

Sample ID: 23G2331-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.4		% Wt	1		SM 2540G	7/21/23	7/21/23 13:05	BMV

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water St, NY,NY Sample Description: Work Order: 23G2331

Date Received: 7/18/2023

Field Sample #: 250WATERST-EB-20230717-1 Sampled: 7/17/2023 08:00

Sample ID: 23G2331-03

Sample Matrix: Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	7.4	2.7	ng/L	1		Draft Method 1633	8/11/23	8/14/23 20:56	AMS
Perfluoropentanoic acid (PFPeA)	ND	3.7	0.64	ng/L	1		Draft Method 1633	8/11/23	8/14/23 20:56	AMS
Perfluorohexanoic acid (PFHxA)	ND	1.8	0.40	ng/L	1		Draft Method 1633	8/11/23	8/14/23 20:56	AMS
Perfluoroheptanoic acid (PFHpA)	ND	1.8	0.47	ng/L	1		Draft Method 1633	8/11/23	8/14/23 20:56	AMS
Perfluorooctanoic acid (PFOA)	ND	1.8	0.42	ng/L	1		Draft Method 1633	8/11/23	8/14/23 20:56	AMS
Perfluorononanoic acid (PFNA)	ND	1.8	0.35	ng/L	1		Draft Method 1633	8/11/23	8/14/23 20:56	AMS
Perfluorodecanoic acid (PFDA)	ND	1.8	0.34	ng/L	1		Draft Method 1633	8/11/23	8/14/23 20:56	AMS
Perfluoroundecanoic acid (PFUnA)	ND	1.8	0.51	ng/L	1		Draft Method 1633	8/11/23	8/14/23 20:56	AMS
Perfluorododecanoic acid (PFDoA)	ND	1.8	0.48	ng/L	1		Draft Method 1633	8/11/23	8/14/23 20:56	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	1.8	0.50	ng/L	1		Draft Method 1633	8/11/23	8/14/23 20:56	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	1.8	0.46	ng/L	1		Draft Method 1633	8/11/23	8/14/23 20:56	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	1.8	0.48	ng/L	1		Draft Method 1633	8/11/23	8/14/23 20:56	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	1.8	0.44	ng/L	1		Draft Method 1633	8/11/23	8/14/23 20:56	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8	0.38	ng/L	1		Draft Method 1633	8/11/23	8/14/23 20:56	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8	0.57	ng/L	1		Draft Method 1633	8/11/23	8/14/23 20:56	AMS
Perfluorooctanesulfonic acid (PFOS)	ND	1.8	0.59	ng/L	1		Draft Method 1633	8/11/23	8/14/23 20:56	AMS
Perfluorononanesulfonic acid (PFNS)	ND	1.8	0.54	ng/L	1		Draft Method 1633	8/11/23	8/14/23 20:56	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	1.8	0.58	ng/L	1		Draft Method 1633	8/11/23	8/14/23 20:56	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	1.8	0.49	ng/L	1		Draft Method 1633	8/11/23	8/14/23 20:56	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	7.4	1.3	ng/L	1		Draft Method 1633	8/11/23	8/14/23 20:56	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	7.4	1.8	ng/L	1		Draft Method 1633	8/11/23	8/14/23 20:56	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	7.4	2.0	ng/L	1		Draft Method 1633	8/11/23	8/14/23 20:56	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	1.8	0.57	ng/L	1		Draft Method 1633	8/11/23	8/14/23 20:56	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	1.8	0.77	ng/L	1		Draft Method 1633	8/11/23	8/14/23 20:56	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	1.8	0.57	ng/L	1		Draft Method 1633	8/11/23	8/14/23 20:56	AMS
N-MeFOSAA (NMeFOSAA)	ND	1.8	0.81	ng/L	1		Draft Method 1633	8/11/23	8/14/23 20:56	AMS
N-EtFOSAA (NEtFOSAA)	ND	1.8	0.41	ng/L	1		Draft Method 1633	8/11/23	8/14/23 20:56	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	18	4.9	ng/L	1		Draft Method 1633	8/11/23	8/14/23 20:56	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	18	4.5	ng/L	1		Draft Method 1633	8/11/23	8/14/23 20:56	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	7.4	1.9	ng/L	1		Draft Method 1633	8/11/23	8/14/23 20:56	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	7.4	1.3	ng/L	1		Draft Method 1633	8/11/23	8/14/23 20:56	AMS
9Cl-PF3ONS (F53B Minor)	ND	7.4	1.6	ng/L	1		Draft Method 1633	8/11/23	8/14/23 20:56	AMS
11Cl-PF3OUdS (F53B Major)	ND	7.4	1.8	ng/L	1		Draft Method 1633	8/11/23	8/14/23 20:56	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	18	3.3	ng/L	1		Draft Method 1633	8/11/23	8/14/23 20:56	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	92	19	ng/L	1		Draft Method 1633	8/11/23	8/14/23 20:56	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	92	16	ng/L	1		Draft Method 1633	8/11/23	8/14/23 20:56	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	3.7	0.91	ng/L	1		Draft Method 1633	8/11/23	8/14/23 20:56	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	3.7	0.92	ng/L	1		Draft Method 1633	8/11/23	8/14/23 20:56	AMS

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water St, NY,NY Sample Description: Work Order: 23G2331

Date Received: 7/18/2023

Field Sample #: 250WATERST-EB-20230717-1 Sampled: 7/17/2023 08:00

Sample ID: 23G2331-03

Sample Matrix: Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	3.7	0.74	ng/L	1		Draft Method 1633	8/11/23	8/14/23 20:56	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	3.7	1.6	ng/L	1		Draft Method 1633	8/11/23	8/14/23 20:56	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C4-PFBA	77.5	10-130		8/14/23 20:56
13C5-PFPeA	75.8	35-150		8/14/23 20:56
13C5-PFHxA	80.2	55-150		8/14/23 20:56
13C4-PFHpA	79.7	55-150		8/14/23 20:56
13C8-PFOA	76.8	60-140		8/14/23 20:56
13C9-PFNA	80.0	55-140		8/14/23 20:56
13C6-PFDA	77.5	50-140		8/14/23 20:56
13C7-PFUnA	77.3	30-140		8/14/23 20:56
13C2-PFDoA	75.2	10-150		8/14/23 20:56
13C2-PFTeDA	74.6	10-130		8/14/23 20:56
13C3-PFBS	73.5	55-150		8/14/23 20:56
13C3-PFHxS	78.4	55-150		8/14/23 20:56
13C8-PFOS	81.0	45-140		8/14/23 20:56
13C2-4:2FTS	61.3	60-200		8/14/23 20:56
13C2-6:2FTS	71.6	60-200		8/14/23 20:56
13C2-8:2FTS	73.0	50-200		8/14/23 20:56
13C8-PFOSA	77.6	30-130		8/14/23 20:56
D3-NMeFOSA	70.9	15-130		8/14/23 20:56
D5-NEtFOSA	69.9	10-130		8/14/23 20:56
D3-NMeFOSAA	72.6	45-200		8/14/23 20:56
D5-NEtFOSAA	78.7	10-200		8/14/23 20:56
D7-NMeFOSE	81.9	10-150		8/14/23 20:56
D9-NEtFOSE	79.3	10-150		8/14/23 20:56
13C3-HFPO-DA	75.5	25-160		8/14/23 20:56

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water St, NY,NY Sample Description: Work Order: 23G2331

Date Received: 7/18/2023

Field Sample #: 250WATERST-EB-20230717-1 Sampled: 7/17/2023 08:00

Sample ID: 23G2331-03

Sample Matrix: Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	ND	10	mg/L	1	H-01	Draft Method 1633	7/25/23	7/25/23 10:06	RRB

1 - FORM I
ANALYSIS DATA SHEET

Instrument Blank

Laboratory:	Pace New England			Work Order:	23G2331
Client:	NYDEC_TRC Engineers, Inc. - New York, NY		Project:	250 Water Street P-site CAT B - CO 147098	
Matrix:	Water	Laboratory ID:	S092031-IBL1	File ID:	IBL1_1633_081423.d
Sampled:		Prepared:	08/14/23 00:00	Analyzed:	08/14/23 09:22
Solids:		Preparation:	B348129	Dilution:	
Batch:	S092031	Sequence:	S092031	Calibration:	2300939
Instrument:	QQQ5				
Column:	1				

CAS NO.	COMPOUND	CONC. (ng/mL)	MDL	RL	Q
375-22-4	Perfluorobutanoic acid (PFBA)		0.15	0.40	
2706-90-3	Perfluoropentanoic acid (PFPeA)		0.035	0.20	
307-24-4	Perfluorohexanoic acid (PFHxA)		0.022	0.10	
375-85-9	Perfluoroheptanoic acid (PFHpA)		0.025	0.10	
335-67-1	Perfluorooctanoic acid (PFOA)	4.81	0.023	0.10	
375-95-1	Perfluorononanoic acid (PFNA)		0.019	0.10	
335-76-2	Perfluorodecanoic acid (PFDA)		0.018	0.10	
2058-94-8	Perfluoroundecanoic acid (PFUnA)		0.027	0.10	
307-55-1	Perfluorododecanoic acid (PFDoA)		0.026	0.10	
72629-94-8	Perfluorotridecanoic acid (PFTrDA)		0.027	0.10	
376-06-7	Perfluorotetradecanoic acid (PFTeDA)		0.025	0.10	
375-73-5	Perfluorobutanesulfonic acid (PFBS)		0.026	0.10	
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)		0.024	0.10	
355-46-4	Perfluorohexanesulfonic acid (PFHxS)		0.021	0.10	
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)		0.031	0.10	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)		0.032	0.10	
68259-12-1	Perfluorononanesulfonic acid (PFNS)		0.029	0.10	
335-77-3	Perfluorodecanesulfonic acid (PFDS)		0.031	0.10	
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)		0.027	0.10	
757124-72-4	1H,1H,2H,2H-Perfluorohexane sulfonic acid (	4.13	0.070	0.40	
27619-97-2	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6		0.099	0.40	
39108-34-4	1H,1H,2H,2H-Perfluorodecane sulfonic acid (		0.11	0.40	
754-91-6	Perfluorooctanesulfonamide (PFOSA)		0.031	0.10	
31506-32-8	N-methyl perfluoroocatnesulfonamide (NMeF		0.042	0.10	
4151-50-2	N-ethyl perfluorooctanesulfonamide (NEtFOS		0.031	0.10	
2355-31-9	N-MeFOSAA (NMeFOSAA)		0.044	0.10	
2991-50-6	N-EtFOSAA (NEtFOSAA)		0.022	0.10	
24448-09-7	N-methylperfluorooctanesulfonamidoethanol(		0.26	1.0	
1691-99-2	N-ethylperfluorooctanesulfonamidoethanol (N		0.25	1.0	
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPC		0.10	0.40	

Data Usability Summary Report

Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

250 Water St., Manhattan, NY
Pace/Con-Test Analytical Laboratory SDG#23G2653
April 2, 2024
Sampling date: 7/18/2023

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for TRC Engineers, Inc., project located at 250 Water St., Manhattan, NY, SDG#23G2653 submitted to Vali-Data of WNY, LLC on January 8, 2024. This DUSR has been prepared in general compliance with USEPA National Functional Guidelines(NFG) and NYSDEC Analytical Services Protocols. The laboratory performed the analyses using USEPA method Volatile Organics (8260D), Semi-Volatile Organics (8270E), Pesticide (8081B), PCB (8082A), Inorganics/Mercury (6010D, 7470A, 7471B) and in accordance with wet chemistry methods.

ID	Sample ID	Laboratory ID
1	250WATERST-SB103-SS(2-4)	23G2653-01
2	250WATERST-SB103-SS(7-9)	23G2653-02
3	250WATERST-EB-20230718-2	23G2653-03
4	250WATERST-EB-20230718-2 RE	23G2653-04

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Internal Standard (IS) Area Performance
-Surrogate Spike Recoveries
-Method Blank
-Field Duplicate Sample Precision
-Laboratory Control Samples
-MS/MSD
-Compound Quantitation
-Initial Calibration
-Continuing Calibration
-GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Compound Quantitation, Initial Calibration and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met except the %Rec a target analyte was outside QC limits, high in the laboratory control samples. This target analyte was not detected in the associated samples, so no further action is required.

MS/MSD
No MS/MSD was acquired.

COMPOUND QUANTITATION
All criteria were met except a target analyte was detected in the sample blank. This target analyte should be qualified in the associated samples in which it was detected.

Blank ID	Target analyte	Concentration (ug/L)	Qualifier	Associated Sample
3	Methylene chloride	.38	U at RL	1, 2

INITIAL CALIBRATION
All criteria were met except several target analytes were outside QC limit in the initial calibration and/or the initial calibration verification and should be qualified as estimated in the associated samples, blanks and spikes.

ICal/ICV ID	Target Analyte	%D/RRF	Qualifier	Associated Sample
ICal/ICV GCMSVOA7	1,4-Dioxane	RRF	UJ/J	B346672, 1, 2
ICal/ICV GCMSVOA7	Bromodichloromethane	RRF	UJ/J	B346672, 1, 2
ICal/ICV GCMSVOA7	1,1,2-Trichloroethane	RRF	UJ/J	B346672, 1, 2
ICV GCMSVOA7	Acetone	46.1	UJ/J	B346672, 1, 2
ICV GCMSVOA7	Carbon disulfide	35.4	UJ/J	B346672, 1, 2
ICV GCMSVOA7	1,1-Dichloroethene	22.6	UJ/J	B346672, 1, 2
ICal/ICV GCMSVOA3	1,4-Dioxane	RRF	UJ/J	B346959, 3

CONTINUING CALIBRATION

All criteria were met except several target analytes were outside QC limits in the continuing calibrations and should be qualified as estimated in the associated samples, blanks and spikes.

Ccal ID	Target Analyte	%D/RRF	Qualifier	Associated Sample
S090899-CCV1	1,4-Dioxane	RRF	UJ/J	B346672, 1, 2
S090899-CCV1	1,1,2-Trichloroethane	RRF	UJ/J	B346672, 1, 2
S090899-CCV1	Bromodichloromethane	RRF	UJ/J	B346672, 1, 2
S090899-CCV1	Trichloroethene	RRF	UJ/J	B346672, 1, 2
S091206-CCV1	1,4-Dioxane	RRF	UJ/J	B346959, 3
S091206-CCV1	Bromochloromethane	22.9	UJ/J	B346959, 3

Some target analytes were outside laboratory QC limits but within NFG QC limits, so no further action is required.

GC/MS PERFORMANCE CHECK

All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Data Completeness, Narrative and Data Reporting Forms, Holding Times, Surrogate Spike Recoveries, Method Blank, Laboratory Control Samples, Initial Calibration and Continuing Calibration.

DATA COMPLETENESS

All criteria were met except the raw data for the continuing calibration file #S092441-CCV1 was not included. Form 7, 'Continuing Calibration Verification' was included. The target analyte, 1,4-Dioxane should be qualified as estimated in B347637, B349685 and DUSR ID#1-3 due to lack of raw continuing calibration data.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met except DUSR ID#3 was mislabeled on the injection logs. DUSR ID#3, file #D23S212021.D was labeled 23G2655-03. This does not affect the usability of the data. DUSR ID#4, file #I23S223007.D was labeled 23G2653-03. There was no 'Preparation Bench Sheet' for DUSR ID#4. All data for this sample should be rejected because the labeling is ambiguous enough to question whether this sample was analyzed.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times were met except DUSR ID#4 was extracted outside hold time. All target analytes detected in this sample should be qualified as estimated and all target analytes not detected in this sample should be qualified as unusable.

INTERNAL STANDARD (IS)

All criteria were met.

SURROGATE SPIKE RECOVERIES

All criteria were met except the %Rec of 2-Fluorophenol was outside QC limits, <10% in B347940-BLK. The following target analytes should be qualified as unusable in this blank.

Phenol	2-Chlorophenol

The % Rec of 2-Fluorobiphenyl, 2-Fluorophenol, Nitrobenzene-d_5 and Phenol-d_5 was outside QC limits, <10% in DUSR ID#3. The following target analytes should be qualified as estimate low if detected or unusable if not detected in this sample.

Phenol	2-Chlorophenol	2-Nitrophenol
2,4-Dimethylphenol	2,4-Dichlorophenol	4-Chloro-3-methylphenol
Benzaldehyde	Bis(2-Chloroethyl)ether	2-Methylphenol
Bis(2-chloroisopropyl)ether	Acetophenone	4-Methylphenol
Hexachloroethane	Nitrobenzene	N-Nitroso-di-n-propylamine
Bis(2-chloroethoxy)methane	Isophorone	4-Chloroaniline
Hexachlorobutadiene	Caprolactam	2-Methylnaphthalene
Naphthalene	Hexachlorocyclopentadiene	Biphenyl
2-Chloronaphthalene	2-Nitroaniline	Dimethylphthate
Acenaphthylene	3-Nitroaniline	Acenaphthene
Dibenzofuran	2,4-Dinitrotoluene	2,6-Dinitrotoluene
1,2,4,5-Tetrachlorobenzene	Diethylphthalate	4-Chlorophenyl-phenylether
Fluorene	4-Nitroaniline	N-Nitrosodiphenylamine
4-Bromophenyl-phenylether	Hexachlorobenzene	Atrazine
Phenanthrene	Anthracene	Carbazole
Di-n-butylphthalate	Fluoranthene	

METHOD BLANK

All the criteria were met except some TICs were detected in the blanks and should be qualified in the associated samples.

Blank ID	TIC	Qualifier	Associated Sample
B347635	3-Penten-2-one, 4-methyl	U	1, 2
B347635	Heptane, 2,5-dimethyl-	U	1, 2
B347635	Heptane, 2,3-dimethyl-	U	2
B346796	Butane, 2,2,3,3-tetramethyl	U	3

Naphthalene was detected in B347635-BLK but was not detected in the associated samples, so no further action is required.

FIELD DUPLICATE SAMPLE PRECISION

No field duplicate was acquired.

LABORATORY CONTROL SAMPLES

All criteria were met except several target analytes were outside QC limits in the laboratory control samples and should be qualified as estimated.

LCS ID	Target Analyte	%Rec LCS	%Rec LCSD	RPD	Qualifier	Associated Sample
B346796	Caprolactam	25.2	27.5	-	UJ	3
B346796	Hexachloroethane	34.8	35.6	-	UJ	3
B346796	Benzaldehyde	33.3	33.4	-	UJ	3
B346796	4-Chloroaniline	28.2	-	91.8	UJ	3
B346796	Hexachlorobutadiene	37.9	36.4	-	UJ	3
B346796	Phenol	-	-	33.4	UJ	3
B347635	Hexachlorocyclopentadiene	31.0	30.7	-	UJ	1, 2
B347940	Caprolactam	22.5	20.5	-	UJ	4
B347940	Hexachloroethane	36.0	36.9	-	UJ	4
B347940	4-Chloroaniline	17.7	11.1	46.4	UJ	4

MS/MSD
No MS/MSD was acquired.

COMPOUND QUANTITATION
All criteria were met except Phenol was detected in DUSR ID#4. This target analyte was not detected in the associated samples, so no further action is required.

INITIAL CALIBRATION
All criteria were met except the %D of a couple of target analytes were outside QC limits in the initial calibrations. These target analytes should be qualified as estimated in the associated blanks, samples and spikes.

Ical/ICV instrument ID	Target Analyte	RRF/%RSD	Qualifier	Associated Sample
ICal GCMSSV9	Bis(2-ethyl hexyl)phthalate	23.9	UJ/J	B347940, 4
Ical GCMSSV4	2,4-Dinitrophenol	43.9	UJ/J	B346796, 3
ICV GCMSSV4	Benzaldehyde	-43.1	UJ/J	B346796, 3
ICV GCMSSV4	4,6-Dinitro-2-methylphenol	35.0	UJ/J	B346796, 3
ICV GCMSSV3	Benzaldehyde	-55.0	UJ/J	B347635, 1, 2
ICV GCMSSV3	4-Chloroaniline	-40.5	UJ/J	B347635, 1, 2

Alternate forms of regression were performed on some target analytes, with acceptable results except where noted above.
Some target analytes were outside laboratory QC limits but within NFG QC limits, so no further action is required.

CONTINUING CALIBRATION
All criteria were met except a target analyte was outside QC limits in the continuing calibrations and should be qualified as estimated in the associated samples, blanks and spikes.

CCal ID	Target Analyte	RRF/%D	Qualifier	Associated Sample
S091317-CCV1	2,4-Dinitrophenol	74.6	UJ	3
S091317-CCV1	4,6-Dinitro-2-methylphenol	57.4	UJ	3
S091317-CCV1	2,6-Dinitrotoluene	20.1	UJ	3
S091317-CCV1	2-Nitroaniline	30.2	UJ	3
S091317-CCV1	3-Nitroaniline	29.9	UJ	3
S091317-CCV1	2-Nitrophenol	30.1	UJ	3
S091493-CCV1	Bis(2-Chloroethyl)ether	-25.9	UJ/J	B347635
S091493-CCV1	Bis(2-chloroisopropyl)ether	-23.6	UJ/J	B347635
S091601-CCV1	Bis(2-Chloroethyl)ether	-24.1	UJ	1, 2
S091601-CCV1	Bis(2-chloroisopropyl)ether	-22.6	UJ	1, 2

Some target analytes were outside laboratory QC limits but within NFG QC limits, so no further action is required.

GC/MS PERFORMANCE CHECK
All criteria were met.

PESTICIDES

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Holding Times and Initial Calibration.

Sample: DUSR ID#1 was diluted due to the matrix.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met except DUSR ID#1RE and #2RE were reextracted outside hold time. All target analytes detected in these samples should be qualified as estimated and all target analytes not detected should be qualified as unusable.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met.
Some target analytes were outside QC limits in the laboratory control sample or the laboratory control sample duplicate but not both, so no further action is required.

MS/MSD
No MS/MSD was acquired.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met except a target analyte was outside QC limits in the initial calibration verification and should be qualified as estimated in the associated samples, blanks and spikes.

ICal/ICV ID	Target Analyte	Column	%D	Qualifier	Associated Sample
ICV ECD2	Chlordane p2	1	30.4	UJ	B346652-BLK1, 3
ICV ECD2	Chlordane p1,2,4,5	2	various	UJ	B346652-BLK1
ICV ECD6	Chlordane p2,3	1	various	UJ	B348010-BLK1, 1RE, 2RE
ICV ECD6	Chlordane p2,4	2	various	UJ	B348010-BLK1

CONTINUING CALIBRATION
All criteria were met.
Some target analytes were outside laboratory QC limits but within NFG limits, so no further action is required.

PCB

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Initial Calibration.

Samples: DUSR ID#1 and #2 were diluted.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
No MS/MSD was acquired.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met except several target analytes were outside QC limits in the initial calibration verification and should be qualified as estimated in the associated samples, blanks and spikes.

ICV Instrument ID	Target Analyte	Column	%D	Qualifier	Associated Sample
ECD5	Aroclor 1254 p5	2	-29.4	UJ	B347460-BLK1
ECD5	Aroclor 1268 p4	1	42.8	UJ	B347460-BLK1, 1, 2
ECD5	Aroclor 1268 p4	2	39.9	UJ	B347460-BLK1
ECD5	Aroclor 1262 p2	2	-20.1	UJ	B347460-BLK1
ECD10	Aroclor 1262 p2	1	-20.8	UJ	B346651, 3
ECD10	Aroclor 1268 p4	1	40.4	UJ	B346651, 3
ECD10	Aroclor 1268 p4	2	39.5	UJ	B346651

CONTINUING CALIBRATION
All criteria were met.

METALS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Blanks
-Laboratory Control Sample
-MS/MSD/Duplicate
-Field Duplicate
-Serial Dilution
-Compound Quantitation
-Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Blanks, Laboratory Control Samples, Compound Quantitation and Calibration.

Sample: DUSR ID#1 was diluted due to high target analyte concentrations.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All criteria were met.

BLANKS
All criteria were met except several target analytes were detected in the blanks and should be qualified as estimated in the associated samples in which they were detected.

Blank ID	Target Analyte	Concentration	Qualifier	Associated Sample
S091284-CCB2	Cu	.010mg/L	JH	1, 2
S091284-CCB3	Cu	.016mg/L	JH	1, 2
B347128	Cu	.70mg/kg	JH	1, 2
B347128	Ca	3.6mg/kg	JH	1, 2

A couple of target analytes were detected in B346658-BLK but were not detected in the associated sample, so no further action is required.

LABORATORY CONTROL SAMPLE

All criteria were met except a target analyte was outside QC limits in the laboratory control samples and should be qualified as estimated.

LCS ID	Target Analyte	%Rec LCS	%Rec LCSD	Qualifier	Associated Sample
B347128	Sb	62.3	62.6	UJ	1, 2

MS/MSD/DUPLICATE

No MS/MSD was acquired.

FIELD DUPLICATE

No field duplicate was acquired.

SERIAL DILUTION

No serial dilution was performed.

COMPOUND QUANTITATION

All criteria were met except Pb was outside the AIHA lead program and should be qualified as estimated low in DUSR ID#1 and #2.

A target analyte was detected in the sample blank and should be qualified in the associated samples in which it was detected.

Blank ID	Target Analyte	Concentration(mg/L)	Qualifier	Associated Sample
3	Mg	.017	JH	1, 2

CALIBRATION

All criteria were met except the %Rec of several target analytes was outside QC limits in the Low-Concentration Calibration Verification. These target analytes should be qualified as estimated in the associated samples, blanks and spikes.

Calibration ID	Target Analyte	%D or %Rec	Qualifier	Associated Sample
S090894-LCV1	Al	10.4	UJ/J	B347658, 3
S090894-LCV1	Sb	-10.3	UJ/J	B347658, 3
S090894-LCV1	Ca	12.9	UJ/J	B347658, 3
S090894-LCV1	Cr	17.9	UJ/J	B347658, 3
S090894-LCV1	Fe	15.2	UJ/J	B347658, 3
S090894-LCV1	Mn	14.8	UJ/J	B347658, 3
S090894-LCV1	K	13.2	UJ/J	B347658, 3
S090894-LCV1	Se	12.0	UJ/J	B347658, 3
S090894-LCV1	Na	15.2	UJ/J	B347658, 3
S090894-LCV1	V	17.7	UJ/J	B347658, 3
S090894-LCV2	Be	14.1	UJ/J	B347658, 3
S091111-LCV1	Cu	15.3	UJ/J	B347658, 3
S091111-LCV1	Mg	11.3	UJ/J	B347658, 3
S091111-LCV1	Ag	14.4	UJ/J	B347658, 3
S091111-LCV1	Zn	19.6	UJ/J	B347658, 3
S091230-LCV1	Al	12.0	UJ/J	B347128, 1, 2
S091230-LCV1	Ba	10.5	UJ/J	B347128, 1, 2
S091230-LCV1	Be	18.0	UJ/J	B347128, 1, 2
S091230-LCV1	Cd	11.0	UJ/J	B347128, 1, 2
S091230-LCV1	Cr	10.7	UJ/J	B347128, 1, 2
S091230-LCV1	Fe	13.1	UJ/J	B347128, 1, 2
S091230-LCV1	Pb	18.2	UJ/J	B347128, 1, 2
S091230-LCV1	Mg	-19.5	UJ/J	B347128, 1, 2
S091230-LCV1	Ag	10.4	UJ/J	B347128, 1, 2
S091230-LCV1	Zn	15.1	UJ/J	B347128, 1, 2
S091230-LCV2	Cu	10.7	UJ/J	B347128, 1, 2
S091230-LCV2	V	20.1	UJ/J	B347128, 1, 2
S091122-IFB1	Ag	117	JH	B347658-BS1/BSD1
S091122-IFB1	Tl	117	JH	B347658-BS1/BSD1
S091122-IFB2	Ag	117	JH	B347658-BS1/BSD1
S091284-IFB2	Sb	80.8	UJ/J	B347128, 1, 2
S091339-IFB2	Tl	119	JH	B347128-BS1/BSD1

GENERAL CHEMISTRY

The following items/criteria were reviewed for this analytical suite:

- Cyanide
- %Solids

The items listed above were technically in compliance with the method and SOP criteria with any exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below.

CYANIDE
All criteria were met.

%SOLIDS
All criteria were met.

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

11-9-23: The 8270 method for sample 23G2653-03 was reextracted by method 8270 reduced volume and was reported separately as sample 23G2653-04.

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SW-846 6010D

Qualifications:

B

Analyte is found in the associated laboratory blank as well as in the sample.

Analyte & Samples(s) Qualified:

Copper
23G2653-01[250WATERST-SB103-SS(2-4)], 23G2653-02[250WATERST-SB103-SS(7-9)], B347128-BS1, B347128-BSD1

B-07

Data is not affected by elevated level in laboratory blank since sample result is >10x level found in the blank.

Analyte & Samples(s) Qualified:

Copper
23G2653-01[250WATERST-SB103-SS(2-4)], 23G2653-02[250WATERST-SB103-SS(7-9)], B347128-BLK1

M-12

The reporting limit verification for the AIHA lead program is outside of control limits for this element. Any reported result at or near the detection limit may be biased on the low side.

Analyte & Samples(s) Qualified:

Lead
23G2653-01[250WATERST-SB103-SS(2-4)], 23G2653-02[250WATERST-SB103-SS(7-9)], B347128-SRM1

SW-846 8081B

Qualifications:

V-06

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

Analyte & Samples(s) Qualified:

alpha-BHC [2C]
B346652-BS1, B346652-BSD1

Z-01

Sample analysis performed past the recommended holding time due to a laboratory error. Original analysis had no BS/BSD data available.

Analyte & Samples(s) Qualified:

23G2653-01RE1[250WATERST-SB103-SS(2-4)], 23G2653-02RE1[250WATERST-SB103-SS(7-9)]

SW-846 8260D

Qualifications:

L-02

Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.

Analyte & Samples(s) Qualified:

Bromomethane
B346672-BS1, B346672-BSD1

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

Trichlorofluoromethane (Freon 11)
B346672-BS1

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

Bromochloromethane
B346959-BS1, B346959-BSD1, S091206-CCV1

Bromomethane
B346959-BS1, B346959-BSD1, S091206-CCV1

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V-35

Initial calibration verification (ICV) did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

Acetone
23G2653-01[250WATERST-SB103-SS(2-4)], B346672-BS1, B346672-BSD1, S090899-CCV1

SW-846 8270E

Qualifications:

B

Analyte is found in the associated laboratory blank as well as in the sample.

Analyte & Samples(s) Qualified:

3-Penten-2-one, 4-methyl-
23G2653-01[250WATERST-SB103-SS(2-4)], 23G2653-02[250WATERST-SB103-SS(7-9)], B347635-BLK1

Benzene, 1,2,3-trimethyl-
B347635-BLK1

Benzene, 1-ethyl-2-methyl-
B347635-BLK1

Benzene, 1-propynyl-
B347635-BLK1

Butane, 2,2,3,3-tetramethyl-
23G2653-03[250WATERST-EB-20230718-2], B346796-BLK1

Heptane, 2,3-dimethyl-
23G2653-02[250WATERST-SB103-SS(7-9)], B347635-BLK1

Heptane, 2,5-dimethyl-
23G2653-01[250WATERST-SB103-SS(2-4)], 23G2653-02[250WATERST-SB103-SS(7-9)], B347635-BLK1

Indane
B347635-BLK1

Naphthalene
23G2653-01[250WATERST-SB103-SS(2-4)], 23G2653-02[250WATERST-SB103-SS(7-9)], B347635-BLK1, B347635-BS1, B347635-BSD1

H-06

Sample was extracted past the recommended holding time.

Analyte & Samples(s) Qualified:

23G2653-03[250WATERST-EB-20230718-2], 23G2653-04[250WATERST-EB-20230718-2 RE]

L-04

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

4-Chloroaniline
23G2653-04[250WATERST-EB-20230718-2 RE], B347940-BLK1, B347940-BS1, B347940-BSD1

Benzaldehyde
23G2653-03[250WATERST-EB-20230718-2], B346796-BLK1, B346796-BS1, B346796-BSD1

Caprolactam
23G2653-03[250WATERST-EB-20230718-2], 23G2653-04[250WATERST-EB-20230718-2 RE], B346796-BLK1, B346796-BS1, B346796-BSD1, B347940-BLK1, B347940-BS1, B347940-BSD1

Hexachlorobutadiene
23G2653-03[250WATERST-EB-20230718-2], B346796-BLK1, B346796-BS1, B346796-BSD1

Hexachlorocyclopentadiene
23G2653-01[250WATERST-SB103-SS(2-4)], 23G2653-02[250WATERST-SB103-SS(7-9)], B347635-BLK1, B347635-BS1, B347635-BSD1

Hexachloroethane
23G2653-03[250WATERST-EB-20230718-2], 23G2653-04[250WATERST-EB-20230718-2 RE], B346796-BLK1, B346796-BS1, B346796-BSD1, B347940-BLK1, B347940-BS1, B347940-BSD1

L-07A

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD outside of control limits. Reduced precision anticipated for any reported result for this compound.

Analyte & Samples(s) Qualified:

4-Chloroaniline
B346796-BS1

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R-05

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:

4-Chloroaniline
B346796-BSD1, B347940-BLK1, B347940-BS1, B347940-BSD1

Phenol
23G2653-03[250WATERST-EB-20230718-2], B346796-BLK1, B346796-BS1, B346796-BSD1

S-07

One associated surrogate standard recovery is outside of control limits but the other(s) is/are within limits. All recoveries are > 10%.

Analyte & Samples(s) Qualified:

2-Fluorophenol
B347940-BLK1

S-26

Surrogate outside of control limits.

Analyte & Samples(s) Qualified:

2-Fluorobiphenyl
23G2653-03[250WATERST-EB-20230718-2]

2-Fluorophenol
23G2653-03[250WATERST-EB-20230718-2]

Nitrobenzene-d5
23G2653-03[250WATERST-EB-20230718-2]

Phenol-d6
23G2653-03[250WATERST-EB-20230718-2]

V-04

Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Reported result is estimated.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol
23G2653-03[250WATERST-EB-20230718-2], 23G2653-04[250WATERST-EB-20230718-2 RE], B346796-BLK1, B346796-BS1, B346796-BSD1, B347940-BLK1, B347940-BS1, B347940-BSD1, S091072-CCV1, S091317-CCV1, S091940-CCV1

4,6-Dinitro-2-methylphenol
23G2653-03[250WATERST-EB-20230718-2], 23G2653-04[250WATERST-EB-20230718-2 RE], B346796-BLK1, B346796-BS1, B346796-BSD1, B347940-BLK1, B347940-BS1, B347940-BSD1, S091072-CCV1, S091317-CCV1, S091940-CCV1

Bis(2-Ethylhexyl)phthalate
23G2653-04[250WATERST-EB-20230718-2 RE], B347940-BLK1, B347940-BS1, B347940-BSD1, S091940-CCV1

Di-n-octylphthalate
23G2653-04[250WATERST-EB-20230718-2 RE], B347940-BLK1, B347940-BS1, B347940-BSD1, S091940-CCV1

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol
B347635-BLK1, B347635-BS1, B347635-BSD1, S091493-CCV1

2-Nitroaniline
S091663-CCV1

4-Nitrophenol
23G2653-01[250WATERST-SB103-SS(2-4)], 23G2653-02[250WATERST-SB103-SS(7-9)], 23G2653-04[250WATERST-EB-20230718-2 RE], B347635-BS1, B347940-BLK1, B347940-BS1, B347940-BSD1, S091601-CCV1, S091940-CCV1

Bis(2-chloroethyl)ether
23G2653-01[250WATERST-SB103-SS(2-4)], 23G2653-02[250WATERST-SB103-SS(7-9)], B347635-BLK1, B347635-BS1, B347635-BSD1, S091493-CCV1, S091601-CCV1, S091663-CCV1

Bis(2-chloroisopropyl)ether
23G2653-01[250WATERST-SB103-SS(2-4)], 23G2653-02[250WATERST-SB103-SS(7-9)], B347635-BLK1, B347635-BS1, B347635-BSD1, S091493-CCV1, S091601-CCV1, S091663-CCV1

Hexachlorocyclopentadiene
23G2653-01[250WATERST-SB103-SS(2-4)], 23G2653-02[250WATERST-SB103-SS(7-9)], B347635-BLK1, B347635-BS1, B347635-BSD1, S091493-CCV1, S091601-CCV1, S091663-CCV1

Pentachlorophenol
B347635-BLK1, B347635-BS1, B347635-BSD1, S091493-CCV1

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V-06

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol
23G2653-03[250WATERST-EB-20230718-2], B346796-BS1, S091317-CCV1

2,6-Dinitrotoluene
23G2653-03[250WATERST-EB-20230718-2], B346796-BS1, S091317-CCV1

2-Nitroaniline
23G2653-03[250WATERST-EB-20230718-2], B346796-BS1, S091317-CCV1

2-Nitrophenol
23G2653-03[250WATERST-EB-20230718-2], B346796-BS1, S091317-CCV1

3,3-Dichlorobenzidine
23G2653-01[250WATERST-SB103-SS(2-4)], 23G2653-02[250WATERST-SB103-SS(7-9)], 23G2653-03[250WATERST-EB-20230718-2], B346796-BS1, B347635-BLK1, B347635-BS1, B347635-BSD1, S091317-CCV1, S091493-CCV1, S091601-CCV1, S091663-CCV1

3-Nitroaniline
23G2653-03[250WATERST-EB-20230718-2], B346796-BS1, S091317-CCV1

4,6-Dinitro-2-methylphenol
23G2653-03[250WATERST-EB-20230718-2], B346796-BS1, S091317-CCV1

Bis(2-Ethylhexyl)phthalate
23G2653-03[250WATERST-EB-20230718-2], B346796-BS1, S091317-CCV1

Dibenz(a,h)anthracene
23G2653-01[250WATERST-SB103-SS(2-4)], 23G2653-02[250WATERST-SB103-SS(7-9)], B347635-BS1, S091601-CCV1

Indeno(1,2,3-cd)pyrene
23G2653-01[250WATERST-SB103-SS(2-4)], 23G2653-02[250WATERST-SB103-SS(7-9)], B347635-BLK1, B347635-BS1, B347635-BSD1, S091493-CCV1, S091601-CCV1

V-34

Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

Benzaldehyde
B346796-BLK1, B346796-BS1, B346796-BSD1, S091072-CCV2, S093002-ICV1

V-35

Initial calibration verification (ICV) did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol
23G2653-03[250WATERST-EB-20230718-2], B346796-BLK1, B346796-BS1, B346796-BSD1, S091072-CCV1, S091317-CCV1, S093002-ICV1

4,6-Dinitro-2-methylphenol
23G2653-03[250WATERST-EB-20230718-2], B346796-BLK1, B346796-BS1, B346796-BSD1, S091072-CCV1, S091317-CCV1, S093002-ICV1

Butylbenzylphthalate
23G2653-04[250WATERST-EB-20230718-2 RE], B347940-BLK1, B347940-BS1, B347940-BSD1, S091940-CCV1

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Technical Representative

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Project Location: 250 Water St, NY, NY Sample Description: Work Order: 23G2653

Date Received: 7/20/2023

Field Sample #: 250WATERST-SB103-SS(2-4) Sampled: 7/18/2023 08:00

Sample ID: 23G2653-01

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.012	0.068	0.0062	mg/Kg dry	1	J, V-35	SW-846 8260D	7/21/23	7/21/23 8:48	MFF
Benzene	0.0011	0.0014	0.00040	mg/Kg dry	1	J	SW-846 8260D	7/21/23	7/21/23 8:48	MFF
Bromochloromethane	ND	0.0014	0.00054	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 8:48	MFF
Bromodichloromethane	ND	0.0014	0.00036	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 8:48	MFF
Bromoform	ND	0.0014	0.00042	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 8:48	MFF
Bromomethane	ND	0.0068	0.0012	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 8:48	MFF
2-Butanone (MEK)	ND	0.027	0.0043	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 8:48	MFF
Carbon Disulfide	ND	0.0068	0.0055	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 8:48	MFF
Carbon Tetrachloride	ND	0.0014	0.00054	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 8:48	MFF
Chlorobenzene	ND	0.0014	0.00038	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 8:48	MFF
Chlorodibromomethane	ND	0.00068	0.00043	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 8:48	MFF
Chloroethane	ND	0.014	0.00076	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 8:48	MFF
Chloroform	ND	0.0027	0.00043	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 8:48	MFF
Chloromethane	ND	0.0068	0.00068	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 8:48	MFF
Cyclohexane	ND	0.0068	0.0028	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 8:48	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0014	0.00054	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 8:48	MFF
1,2-Dibromoethane (EDB)	ND	0.00068	0.00052	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 8:48	MFF
1,2-Dichlorobenzene	ND	0.0014	0.00036	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 8:48	MFF
1,3-Dichlorobenzene	ND	0.0014	0.00038	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 8:48	MFF
1,4-Dichlorobenzene	ND	0.0014	0.00041	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 8:48	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.014	0.00071	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 8:48	MFF
1,1-Dichloroethane	ND	0.0014	0.00047	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 8:48	MFF
1,2-Dichloroethane	ND	0.0014	0.00046	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 8:48	MFF
1,1-Dichloroethylene	ND	0.0027	0.00056	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 8:48	MFF
cis-1,2-Dichloroethylene	ND	0.0014	0.00044	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 8:48	MFF
trans-1,2-Dichloroethylene	ND	0.0014	0.00050	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 8:48	MFF
1,2-Dichloropropane	ND	0.0014	0.00043	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 8:48	MFF
cis-1,3-Dichloropropene	ND	0.00068	0.00038	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 8:48	MFF
trans-1,3-Dichloropropene	ND	0.00068	0.00042	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 8:48	MFF
1,4-Dioxane	ND	0.068	0.031	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 8:48	MFF
Ethylbenzene	ND	0.0014	0.00041	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 8:48	MFF
2-Hexanone (MBK)	ND	0.014	0.0034	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 8:48	MFF
Isopropylbenzene (Cumene)	ND	0.0014	0.00043	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 8:48	MFF
Methyl Acetate	ND	0.0014	0.00098	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 8:48	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0027	0.00046	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 8:48	MFF
Methyl Cyclohexane	ND	0.0014	0.00053	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 8:48	MFF
Methylene Chloride	0.010	0.014	0.00066	mg/Kg dry	1	J	SW-846 8260D	7/21/23	7/21/23 8:48	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.014	0.0030	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 8:48	MFF
Styrene	ND	0.0014	0.00034	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 8:48	MFF
1,1,2,2-Tetrachloroethane	ND	0.00068	0.00038	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 8:48	MFF
Tetrachloroethylene	ND	0.0014	0.00058	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 8:48	MFF
Toluene	0.00058	0.0014	0.00046	mg/Kg dry	1	J	SW-846 8260D	7/21/23	7/21/23 8:48	MFF
1,2,3-Trichlorobenzene	ND	0.0014	0.00039	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 8:48	MFF
1,2,4-Trichlorobenzene	ND	0.0014	0.00041	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 8:48	MFF

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Project Location: 250 Water St, NY, NY Sample Description: Work Order: 23G2653

Date Received: 7/20/2023

Field Sample #: 250WATERST-SB103-SS(2-4) Sampled: 7/18/2023 08:00

Sample ID: 23G2653-01

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	0.0014	0.00052	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 8:48	MFF
1,1,2-Trichloroethane	ND	0.0014	0.00037	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 8:48	MFF
Trichloroethylene	ND	0.0014	0.00055	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 8:48	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0068	0.00051	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 8:48	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0068	0.00059	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 8:48	MFF
Vinyl Chloride	ND	0.0068	0.00051	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 8:48	MFF
Xylenes (total)	ND	0.0014	0.0014	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 8:48	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	111	70-130		7/21/23 8:48
Toluene-d8	97.7	70-130		7/21/23 8:48
4-Bromofluorobenzene	96.1	70-130		7/21/23 8:48

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Project Location: 250 Water St, NY, NY Sample Description: Work Order: 23G2653

Date Received: 7/20/2023

Field Sample #: 250WATERST-SB103-SS(2-4) Sampled: 7/18/2023 08:00

Sample ID: 23G2653-01

Sample Matrix: Soil

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	mg/Kg dry			1			SW-846 8260D	7/21/23	7/21/23 8:48	LBD

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Project Location: 250 Water St, NY, NY | Sample Description: | Work Order: 23G2653

Date Received: 7/20/2023

Field Sample #: 250WATERST-SB103-SS(2-4) | Sampled: 7/18/2023 08:00

Sample ID: 23G2653-01

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	0.71	0.049	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:04	BGL
Benzaldehyde	ND	0.36	0.035	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:04	BGL
Biphenyl	ND	0.71	0.056	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:04	BGL
Caprolactam	ND	0.36	0.051	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:04	BGL
Acenaphthene	ND	0.18	0.069	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:04	BGL
Acenaphthylene	ND	0.18	0.071	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:04	BGL
Acetophenone	ND	0.36	0.071	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:04	BGL
Anthracene	ND	0.18	0.070	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:04	BGL
Benzo(a)anthracene	ND	0.18	0.065	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:04	BGL
Benzo(a)pyrene	ND	0.18	0.060	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:04	BGL
Benzo(b)fluoranthene	ND	0.18	0.061	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:04	BGL
Benzo(g,h,i)perylene	ND	0.18	0.075	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:04	BGL
Benzo(k)fluoranthene	ND	0.18	0.065	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:04	BGL
Bis(2-chloroethoxy)methane	ND	0.36	0.071	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:04	BGL
Bis(2-chloroethyl)ether	ND	0.36	0.076	mg/Kg dry	1	V-05	SW-846 8270E	8/1/23	8/3/23 20:04	BGL
Bis(2-chloroisopropyl)ether	ND	0.36	0.15	mg/Kg dry	1	V-05	SW-846 8270E	8/1/23	8/3/23 20:04	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.36	0.074	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:04	BGL
4-Bromophenylphenylether	ND	0.36	0.075	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:04	BGL
Butylbenzylphthalate	ND	0.36	0.068	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:04	BGL
Carbazole	ND	0.18	0.070	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:04	BGL
4-Chloroaniline	ND	0.70	0.064	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:04	BGL
4-Chloro-3-methylphenol	ND	0.70	0.071	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:04	BGL
2-Chloronaphthalene	ND	0.36	0.064	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:04	BGL
2-Chlorophenol	ND	0.36	0.073	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:04	BGL
4-Chlorophenylphenylether	ND	0.36	0.070	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:04	BGL
Chrysene	ND	0.18	0.065	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:04	BGL
Dibenz(a,h)anthracene	ND	0.18	0.070	mg/Kg dry	1	V-06	SW-846 8270E	8/1/23	8/3/23 20:04	BGL
Dibenzofuran	ND	0.36	0.071	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:04	BGL
Di-n-butylphthalate	ND	0.36	0.066	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:04	BGL
3,3-Dichlorobenzidine	ND	0.18	0.048	mg/Kg dry	1	V-06	SW-846 8270E	8/1/23	8/3/23 20:04	BGL
2,4-Dichlorophenol	ND	0.36	0.070	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:04	BGL
Diethylphthalate	ND	0.36	0.070	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:04	BGL
2,4-Dimethylphenol	ND	0.36	0.094	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:04	BGL
Dimethylphthalate	ND	0.36	0.074	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:04	BGL
4,6-Dinitro-2-methylphenol	ND	0.36	0.29	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:04	BGL
2,4-Dinitrophenol	ND	0.70	0.32	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:04	BGL
2,4-Dinitrotoluene	ND	0.36	0.072	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:04	BGL
2,6-Dinitrotoluene	ND	0.36	0.082	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:04	BGL
Di-n-octylphthalate	ND	0.36	0.072	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:04	BGL
Fluoranthene	ND	0.18	0.064	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:04	BGL
Fluorene	ND	0.18	0.070	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:04	BGL
Hexachlorobenzene	ND	0.36	0.075	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:04	BGL
Hexachlorobutadiene	ND	0.36	0.073	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:04	BGL
Hexachlorocyclopentadiene	ND	0.36	0.23	mg/Kg dry	1	V-05, L-04	SW-846 8270E	8/1/23	8/3/23 20:04	BGL

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Project Location: 250 Water St, NY, NY Sample Description: Work Order: 23G2653

Date Received: 7/20/2023

Field Sample #: 250WATERST-SB103-SS(2-4) Sampled: 7/18/2023 08:00

Sample ID: 23G2653-01

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	0.36	0.070	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:04	BGL
Indeno(1,2,3-cd)pyrene	ND	0.18	0.079	mg/Kg dry	1	V-06	SW-846 8270E	8/1/23	8/3/23 20:04	BGL
Isophorone	ND	0.36	0.074	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:04	BGL
2-Methylnaphthalene	ND	0.18	0.071	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:04	BGL
2-Methylphenol	ND	0.36	0.072	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:04	BGL
3/4-Methylphenol	ND	0.36	0.079	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:04	BGL
Naphthalene	ND	0.18	0.072	mg/Kg dry	1	B	SW-846 8270E	8/1/23	8/3/23 20:04	BGL
2-Nitroaniline	ND	0.36	0.072	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:04	BGL
3-Nitroaniline	ND	0.36	0.085	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:04	BGL
4-Nitroaniline	ND	0.36	0.061	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:04	BGL
Nitrobenzene	ND	0.36	0.078	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:04	BGL
2-Nitrophenol	ND	0.36	0.075	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:04	BGL
4-Nitrophenol	ND	0.70	0.15	mg/Kg dry	1	V-05	SW-846 8270E	8/1/23	8/3/23 20:04	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	0.36	0.072	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:04	BGL
N-Nitrosodi-n-propylamine	ND	0.36	0.078	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:04	BGL
Pentachlorophenol	ND	0.36	0.16	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:04	BGL
Phenanthrene	ND	0.18	0.070	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:04	BGL
Phenol	ND	0.36	0.084	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:04	BGL
Pyrene	ND	0.18	0.072	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:04	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.36	0.074	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:04	BGL
2,4,5-Trichlorophenol	ND	0.36	0.070	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:04	BGL
2,4,6-Trichlorophenol	ND	0.36	0.069	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:04	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	58.1	30-130		8/3/23 20:04
Phenol-d6	58.5	30-130		8/3/23 20:04
Nitrobenzene-d5	60.2	30-130		8/3/23 20:04
2-Fluorobiphenyl	78.9	30-130		8/3/23 20:04
2,4,6-Tribromophenol	70.9	30-130		8/3/23 20:04
p-Terphenyl-d14	94.2	30-130		8/3/23 20:04

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Project Location: 250 Water St, NY, NY Sample Description: Work Order: 23G2653

Date Received: 7/20/2023

Field Sample #: 250WATERST-SB103-SS(2-4) Sampled: 7/18/2023 08:00

Sample ID: 23G2653-01

Sample Matrix: Soil

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.053	0.022	mg/Kg dry	1		SW-846 8270E	8/1/23	8/2/23 15:57	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	53.2	15-110			8/2/23 15:57

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Project Location: 250 Water St, NY, NY Sample Description: Work Order: 23G2653

Date Received: 7/20/2023

Field Sample #: 250WATERST-SB103-SS(2-4) Sampled: 7/18/2023 08:00

Sample ID: 23G2653-01

Sample Matrix: Soil

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
3-Penten-2-one, 4-methyl-	3.2	mg/Kg dry	547671	2.113	1	000141-79-7	91	SW-846 8270E	8/1/23	8/3/23 20:04	BGL
Heptane, 2,5-dimethyl-	0.35	mg/Kg dry	59759	2.283	1	002216-30-0	90	SW-846 8270E	8/1/23	8/3/23 20:04	BGL
Octane, 4-methyl-	0.39	mg/Kg dry	66491	2.417	1	002216-34-4	64	SW-846 8270E	8/1/23	8/3/23 20:04	BGL
Tentatively Identified Compounds	0.0	mg/Kg dry			1	NA		SW-846 8270E	8/1/23	8/3/23 20:04	BGL

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Project Location: 250 Water St, NY, NY | Sample Description: | Work Order: 23G2653

Date Received: 7/20/2023

Field Sample #: 250WATERST-SB103-SS(2-4) | Sampled: 7/18/2023 08:00

Sample ID: 23G2653-01

Sample Matrix: Soil

Sample Flags: Z-01

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [1]	ND	0.021	0.0062	mg/Kg dry	1		SW-846 8081B	8/3/23	8/9/23 4:36	JMB
Aldrin [1]	ND	0.0052	0.00051	mg/Kg dry	1		SW-846 8081B	8/3/23	8/9/23 4:36	JMB
alpha-BHC [1]	ND	0.0052	0.0028	mg/Kg dry	1		SW-846 8081B	8/3/23	8/9/23 4:36	JMB
beta-BHC [1]	ND	0.0052	0.0023	mg/Kg dry	1		SW-846 8081B	8/3/23	8/9/23 4:36	JMB
delta-BHC [1]	ND	0.0052	0.0034	mg/Kg dry	1		SW-846 8081B	8/3/23	8/9/23 4:36	JMB
gamma-BHC (Lindane) [1]	ND	0.0021	0.00044	mg/Kg dry	1		SW-846 8081B	8/3/23	8/9/23 4:36	JMB
Chlordane [1]	ND	0.021	0.0073	mg/Kg dry	1		SW-846 8081B	8/3/23	8/9/23 4:36	JMB
4,4'-DDD [1]	ND	0.0041	0.00046	mg/Kg dry	1		SW-846 8081B	8/3/23	8/9/23 4:36	JMB
4,4'-DDE [1]	ND	0.0041	0.00048	mg/Kg dry	1		SW-846 8081B	8/3/23	8/9/23 4:36	JMB
4,4'-DDT [1]	ND	0.0041	0.00044	mg/Kg dry	1		SW-846 8081B	8/3/23	8/9/23 4:36	JMB
Dieldrin [1]	ND	0.0041	0.00040	mg/Kg dry	1		SW-846 8081B	8/3/23	8/9/23 4:36	JMB
Endosulfan I [1]	ND	0.0052	0.0025	mg/Kg dry	1		SW-846 8081B	8/3/23	8/9/23 4:36	JMB
Endosulfan II [1]	ND	0.0083	0.0025	mg/Kg dry	1		SW-846 8081B	8/3/23	8/9/23 4:36	JMB
Endosulfan sulfate [1]	ND	0.0083	0.0026	mg/Kg dry	1		SW-846 8081B	8/3/23	8/9/23 4:36	JMB
Endrin [1]	ND	0.0083	0.0026	mg/Kg dry	1		SW-846 8081B	8/3/23	8/9/23 4:36	JMB
Endrin aldehyde [1]	ND	0.0083	0.0051	mg/Kg dry	1		SW-846 8081B	8/3/23	8/9/23 15:17	JMB
Endrin ketone [1]	ND	0.0083	0.0024	mg/Kg dry	1		SW-846 8081B	8/3/23	8/9/23 4:36	JMB
Heptachlor [1]	ND	0.0052	0.00051	mg/Kg dry	1		SW-846 8081B	8/3/23	8/9/23 4:36	JMB
Heptachlor epoxide [1]	ND	0.0052	0.00047	mg/Kg dry	1		SW-846 8081B	8/3/23	8/9/23 4:36	JMB
Hexachlorobenzene [1]	ND	0.0062	0.0035	mg/Kg dry	1		SW-846 8081B	8/3/23	8/9/23 4:36	JMB
Methoxychlor [1]	ND	0.052	0.0064	mg/Kg dry	1		SW-846 8081B	8/3/23	8/9/23 4:36	JMB
Toxaphene [1]	ND	0.10	0.050	mg/Kg dry	1		SW-846 8081B	8/3/23	8/9/23 4:36	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
Decachlorobiphenyl [1]	72.2	30-150		8/9/23	4:36
Decachlorobiphenyl [2]	74.8	30-150		8/9/23	4:36
Tetrachloro-m-xylene [1]	72.7	30-150		8/9/23	4:36
Tetrachloro-m-xylene [2]	70.5	30-150		8/9/23	4:36

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Project Location: 250 Water St, NY, NY Sample Description: Work Order: 23G2653

Date Received: 7/20/2023

Field Sample #: 250WATERST-SB103-SS(2-4) Sampled: 7/18/2023 08:00

Sample ID: 23G2653-01

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.082	0.021	mg/Kg dry	4		SW-846 8082A	7/29/23	8/2/23 15:58	TG
Aroclor-1221 [1]	ND	0.082	0.044	mg/Kg dry	4		SW-846 8082A	7/29/23	8/2/23 15:58	TG
Aroclor-1232 [1]	ND	0.082	0.027	mg/Kg dry	4		SW-846 8082A	7/29/23	8/2/23 15:58	TG
Aroclor-1242 [1]	ND	0.082	0.025	mg/Kg dry	4		SW-846 8082A	7/29/23	8/2/23 15:58	TG
Aroclor-1248 [1]	ND	0.082	0.021	mg/Kg dry	4		SW-846 8082A	7/29/23	8/2/23 15:58	TG
Aroclor-1254 [1]	ND	0.082	0.025	mg/Kg dry	4		SW-846 8082A	7/29/23	8/2/23 15:58	TG
Aroclor-1260 [1]	ND	0.082	0.022	mg/Kg dry	4		SW-846 8082A	7/29/23	8/2/23 15:58	TG
Aroclor-1262 [1]	ND	0.082	0.025	mg/Kg dry	4		SW-846 8082A	7/29/23	8/2/23 15:58	TG
Aroclor-1268 [1]	ND	0.082	0.027	mg/Kg dry	4		SW-846 8082A	7/29/23	8/2/23 15:58	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	105	30-150		8/2/23 15:58
Decachlorobiphenyl [2]	108	30-150		8/2/23 15:58
Tetrachloro-m-xylene [1]	96.7	30-150		8/2/23 15:58
Tetrachloro-m-xylene [2]	97.7	30-150		8/2/23 15:58

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Project Location: 250 Water St, NY, NY | Sample Description: | Work Order: 23G2653

Date Received: 7/20/2023

Field Sample #: 250WATERST-SB103-SS(2-4) | Sampled: 7/18/2023 08:00

Sample ID: 23G2653-01

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	6000	17	12	mg/Kg dry	1		SW-846 6010D	7/26/23	7/30/23 15:25	MJH
Antimony	ND	1.7	0.35	mg/Kg dry	1		SW-846 6010D	7/26/23	7/30/23 15:25	MJH
Arsenic	1.6	3.4	0.56	mg/Kg dry	1	J	SW-846 6010D	7/26/23	7/30/23 15:25	MJH
Barium	39	1.7	0.26	mg/Kg dry	1		SW-846 6010D	7/26/23	7/30/23 15:25	MJH
Beryllium	0.39	0.17	0.050	mg/Kg dry	1		SW-846 6010D	7/26/23	7/30/23 15:25	MJH
Cadmium	ND	0.34	0.11	mg/Kg dry	1		SW-846 6010D	7/26/23	7/30/23 15:25	MJH
Calcium	1200	17	3.0	mg/Kg dry	1		SW-846 6010D	7/26/23	7/30/23 15:25	MJH
Chromium	16	0.67	0.25	mg/Kg dry	1		SW-846 6010D	7/26/23	7/30/23 15:25	MJH
Cobalt	5.5	1.7	0.25	mg/Kg dry	1		SW-846 6010D	7/26/23	7/30/23 15:25	MJH
Copper	24	0.67	0.15	mg/Kg dry	1	B-07, B	SW-846 6010D	7/26/23	7/30/23 15:25	MJH
Iron	9500	17	11	mg/Kg dry	1		SW-846 6010D	7/26/23	7/30/23 15:25	MJH
Lead	24	0.50	0.28	mg/Kg dry	1	M-12	SW-846 6010D	7/26/23	7/30/23 15:25	MJH
Magnesium	2300	17	2.6	mg/Kg dry	1		SW-846 6010D	7/26/23	7/30/23 15:25	MJH
Manganese	220	0.34	0.18	mg/Kg dry	1		SW-846 6010D	7/26/23	7/30/23 15:25	MJH
Mercury	0.27	0.027	0.012	mg/Kg dry	1		SW-846 7471B	8/2/23	8/3/23 14:10	AAJ
Nickel	36	0.67	0.27	mg/Kg dry	1		SW-846 6010D	7/26/23	7/30/23 15:25	MJH
Potassium	1200	170	31	mg/Kg dry	1		SW-846 6010D	7/26/23	7/30/23 15:25	MJH
Selenium	ND	3.4	0.72	mg/Kg dry	1		SW-846 6010D	7/26/23	7/30/23 15:25	MJH
Silver	ND	0.34	0.11	mg/Kg dry	1		SW-846 6010D	7/26/23	7/30/23 15:25	MJH
Sodium	160	170	30	mg/Kg dry	1	J	SW-846 6010D	7/26/23	7/30/23 15:25	MJH
Thallium	ND	1.7	0.59	mg/Kg dry	1		SW-846 6010D	7/26/23	7/31/23 20:55	HNN
Vanadium	15	0.67	0.21	mg/Kg dry	1		SW-846 6010D	7/26/23	7/30/23 15:25	MJH
Zinc	21	0.67	0.23	mg/Kg dry	1		SW-846 6010D	7/26/23	7/30/23 15:25	MJH

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Project Location: 250 Water St, NY, NY Sample Description: Work Order: 23G2653

Date Received: 7/20/2023

Field Sample #: 250WATERST-SB103-SS(2-4) Sampled: 7/18/2023 08:00

Sample ID: 23G2653-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.7			% Wt	1		SM 2540G	7/25/23	7/25/23 9:03	JLC
Cyanide	ND	0.36	0.25	mg/Kg dry	1		SW-846 9014	7/25/23	7/26/23 6:36	MMH

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Project Location: 250 Water St, NY, NY | Sample Description: | Work Order: 23G2653

Date Received: 7/20/2023

Field Sample #: 250WATERST-SB103-SS(7-9) | Sampled: 7/18/2023 08:15

Sample ID: 23G2653-02

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.081	0.0074	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 9:14	MFF
Benzene	ND	0.0016	0.00047	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 9:14	MFF
Bromochloromethane	ND	0.0016	0.00064	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 9:14	MFF
Bromodichloromethane	ND	0.0016	0.00042	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 9:14	MFF
Bromoform	ND	0.0016	0.00050	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 9:14	MFF
Bromomethane	ND	0.0081	0.0014	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 9:14	MFF
2-Butanone (MEK)	ND	0.033	0.0051	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 9:14	MFF
Carbon Disulfide	ND	0.0081	0.0065	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 9:14	MFF
Carbon Tetrachloride	ND	0.0016	0.00064	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 9:14	MFF
Chlorobenzene	ND	0.0016	0.00046	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 9:14	MFF
Chlorodibromomethane	ND	0.00081	0.00052	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 9:14	MFF
Chloroethane	ND	0.016	0.00090	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 9:14	MFF
Chloroform	ND	0.0033	0.00051	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 9:14	MFF
Chloromethane	ND	0.0081	0.00080	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 9:14	MFF
Cyclohexane	ND	0.0081	0.0033	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 9:14	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0016	0.00064	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 9:14	MFF
1,2-Dibromoethane (EDB)	ND	0.00081	0.00062	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 9:14	MFF
1,2-Dichlorobenzene	ND	0.0016	0.00043	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 9:14	MFF
1,3-Dichlorobenzene	ND	0.0016	0.00045	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 9:14	MFF
1,4-Dichlorobenzene	ND	0.0016	0.00049	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 9:14	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.016	0.00084	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 9:14	MFF
1,1-Dichloroethane	ND	0.0016	0.00056	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 9:14	MFF
1,2-Dichloroethane	ND	0.0016	0.00054	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 9:14	MFF
1,1-Dichloroethylene	ND	0.0033	0.00067	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 9:14	MFF
cis-1,2-Dichloroethylene	ND	0.0016	0.00052	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 9:14	MFF
trans-1,2-Dichloroethylene	ND	0.0016	0.00059	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 9:14	MFF
1,2-Dichloropropane	ND	0.0016	0.00050	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 9:14	MFF
cis-1,3-Dichloropropene	ND	0.00081	0.00046	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 9:14	MFF
trans-1,3-Dichloropropene	ND	0.00081	0.00050	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 9:14	MFF
1,4-Dioxane	ND	0.081	0.037	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 9:14	MFF
Ethylbenzene	ND	0.0016	0.00049	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 9:14	MFF
2-Hexanone (MBK)	ND	0.016	0.0041	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 9:14	MFF
Isopropylbenzene (Cumene)	ND	0.0016	0.00051	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 9:14	MFF
Methyl Acetate	ND	0.0016	0.0012	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 9:14	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0033	0.00055	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 9:14	MFF
Methyl Cyclohexane	ND	0.0016	0.00063	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 9:14	MFF
Methylene Chloride	0.0092	0.016	0.00078	mg/Kg dry	1	J	SW-846 8260D	7/21/23	7/21/23 9:14	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.016	0.0036	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 9:14	MFF
Styrene	ND	0.0016	0.00040	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 9:14	MFF
1,1,2,2-Tetrachloroethane	ND	0.00081	0.00045	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 9:14	MFF
Tetrachloroethylene	ND	0.0016	0.00068	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 9:14	MFF
Toluene	ND	0.0016	0.00055	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 9:14	MFF
1,2,3-Trichlorobenzene	ND	0.0016	0.00046	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 9:14	MFF
1,2,4-Trichlorobenzene	ND	0.0016	0.00049	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 9:14	MFF

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Project Location: 250 Water St, NY, NY | Sample Description: | Work Order: 23G2653

Date Received: 7/20/2023

Field Sample #: 250WATERST-SB103-SS(7-9) | Sampled: 7/18/2023 08:15

Sample ID: 23G2653-02

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	0.0016	0.00062	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 9:14	MFF
1,1,2-Trichloroethane	ND	0.0016	0.00043	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 9:14	MFF
Trichloroethylene	ND	0.0016	0.00065	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 9:14	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0081	0.00061	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 9:14	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0081	0.00070	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 9:14	MFF
Vinyl Chloride	ND	0.0081	0.00060	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 9:14	MFF
Xylenes (total)	ND	0.0016	0.0016	mg/Kg dry	1		SW-846 8260D	7/21/23	7/21/23 9:14	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	109	70-130		7/21/23 9:14
Toluene-d8	95.1	70-130		7/21/23 9:14
4-Bromofluorobenzene	95.8	70-130		7/21/23 9:14

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Project Location: 250 Water St, NY, NY Sample Description: Work Order: 23G2653

Date Received: 7/20/2023

Field Sample #: 250WATERST-SB103-SS(7-9) Sampled: 7/18/2023 08:15

Sample ID: 23G2653-02

Sample Matrix: Soil

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	mg/Kg dry			1			SW-846 8260D	7/21/23	7/21/23 9:14	LBD

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Project Location: 250 Water St, NY, NY | Sample Description: | Work Order: 23G2653

Date Received: 7/20/2023

Field Sample #: 250WATERST-SB103-SS(7-9) | Sampled: 7/18/2023 08:15

Sample ID: 23G2653-02

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	0.69	0.048	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:28	BGL
Benzaldehyde	ND	0.35	0.034	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:28	BGL
Biphenyl	ND	0.69	0.055	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:28	BGL
Caprolactam	ND	0.35	0.050	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:28	BGL
Acenaphthene	ND	0.18	0.067	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:28	BGL
Acenaphthylene	ND	0.18	0.069	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:28	BGL
Acetophenone	ND	0.35	0.069	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:28	BGL
Anthracene	ND	0.18	0.067	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:28	BGL
Benzo(a)anthracene	ND	0.18	0.063	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:28	BGL
Benzo(a)pyrene	ND	0.18	0.058	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:28	BGL
Benzo(b)fluoranthene	ND	0.18	0.059	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:28	BGL
Benzo(g,h,i)perylene	ND	0.18	0.073	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:28	BGL
Benzo(k)fluoranthene	ND	0.18	0.063	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:28	BGL
Bis(2-chloroethoxy)methane	ND	0.35	0.069	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:28	BGL
Bis(2-chloroethyl)ether	ND	0.35	0.073	mg/Kg dry	1	V-05	SW-846 8270E	8/1/23	8/3/23 20:28	BGL
Bis(2-chloroisopropyl)ether	ND	0.35	0.15	mg/Kg dry	1	V-05	SW-846 8270E	8/1/23	8/3/23 20:28	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.35	0.071	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:28	BGL
4-Bromophenylphenylether	ND	0.35	0.072	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:28	BGL
Butylbenzylphthalate	ND	0.35	0.066	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:28	BGL
Carbazole	ND	0.18	0.068	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:28	BGL
4-Chloroaniline	ND	0.68	0.062	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:28	BGL
4-Chloro-3-methylphenol	ND	0.68	0.069	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:28	BGL
2-Chloronaphthalene	ND	0.35	0.062	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:28	BGL
2-Chlorophenol	ND	0.35	0.071	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:28	BGL
4-Chlorophenylphenylether	ND	0.35	0.068	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:28	BGL
Chrysene	ND	0.18	0.063	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:28	BGL
Dibenz(a,h)anthracene	ND	0.18	0.067	mg/Kg dry	1	V-06	SW-846 8270E	8/1/23	8/3/23 20:28	BGL
Dibenzofuran	ND	0.35	0.069	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:28	BGL
Di-n-butylphthalate	ND	0.35	0.064	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:28	BGL
3,3-Dichlorobenzidine	ND	0.18	0.046	mg/Kg dry	1	V-06	SW-846 8270E	8/1/23	8/3/23 20:28	BGL
2,4-Dichlorophenol	ND	0.35	0.067	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:28	BGL
Diethylphthalate	ND	0.35	0.068	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:28	BGL
2,4-Dimethylphenol	ND	0.35	0.091	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:28	BGL
Dimethylphthalate	ND	0.35	0.072	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:28	BGL
4,6-Dinitro-2-methylphenol	ND	0.35	0.29	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:28	BGL
2,4-Dinitrophenol	ND	0.68	0.31	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:28	BGL
2,4-Dinitrotoluene	ND	0.35	0.070	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:28	BGL
2,6-Dinitrotoluene	ND	0.35	0.079	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:28	BGL
Di-n-octylphthalate	ND	0.35	0.069	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:28	BGL
Fluoranthene	ND	0.18	0.062	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:28	BGL
Fluorene	ND	0.18	0.068	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:28	BGL
Hexachlorobenzene	ND	0.35	0.073	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:28	BGL
Hexachlorobutadiene	ND	0.35	0.071	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:28	BGL
Hexachlorocyclopentadiene	ND	0.35	0.23	mg/Kg dry	1	L-04, V-05	SW-846 8270E	8/1/23	8/3/23 20:28	BGL

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Project Location: 250 Water St, NY, NY Sample Description: Work Order: 23G2653

Date Received: 7/20/2023

Field Sample #: 250WATERST-SB103-SS(7-9) Sampled: 7/18/2023 08:15

Sample ID: 23G2653-02

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	0.35	0.068	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:28	BGL
Indeno(1,2,3-cd)pyrene	ND	0.18	0.076	mg/Kg dry	1	V-06	SW-846 8270E	8/1/23	8/3/23 20:28	BGL
Isophorone	ND	0.35	0.071	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:28	BGL
2-Methylnaphthalene	ND	0.18	0.069	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:28	BGL
2-Methylphenol	ND	0.35	0.070	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:28	BGL
3/4-Methylphenol	ND	0.35	0.076	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:28	BGL
Naphthalene	ND	0.18	0.070	mg/Kg dry	1	B	SW-846 8270E	8/1/23	8/3/23 20:28	BGL
2-Nitroaniline	ND	0.35	0.070	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:28	BGL
3-Nitroaniline	ND	0.35	0.082	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:28	BGL
4-Nitroaniline	ND	0.35	0.059	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:28	BGL
Nitrobenzene	ND	0.35	0.076	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:28	BGL
2-Nitrophenol	ND	0.35	0.072	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:28	BGL
4-Nitrophenol	ND	0.68	0.15	mg/Kg dry	1	V-05	SW-846 8270E	8/1/23	8/3/23 20:28	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	0.35	0.070	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:28	BGL
N-Nitrosodi-n-propylamine	ND	0.35	0.076	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:28	BGL
Pentachlorophenol	ND	0.35	0.16	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:28	BGL
Phenanthrene	ND	0.18	0.068	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:28	BGL
Phenol	ND	0.35	0.081	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:28	BGL
Pyrene	ND	0.18	0.070	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:28	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.35	0.072	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:28	BGL
2,4,5-Trichlorophenol	ND	0.35	0.068	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:28	BGL
2,4,6-Trichlorophenol	ND	0.35	0.067	mg/Kg dry	1		SW-846 8270E	8/1/23	8/3/23 20:28	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	62.4	30-130		8/3/23 20:28
Phenol-d6	62.3	30-130		8/3/23 20:28
Nitrobenzene-d5	68.1	30-130		8/3/23 20:28
2-Fluorobiphenyl	86.3	30-130		8/3/23 20:28
2,4,6-Tribromophenol	62.1	30-130		8/3/23 20:28
p-Terphenyl-d14	94.9	30-130		8/3/23 20:28

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Project Location: 250 Water St, NY, NY Sample Description: Work Order: 23G2653

Date Received: 7/20/2023

Field Sample #: 250WATERST-SB103-SS(7-9) Sampled: 7/18/2023 08:15

Sample ID: 23G2653-02

Sample Matrix: Soil

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.051	0.021	mg/Kg dry	1		SW-846 8270E	8/1/23	8/2/23 16:17	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	53.7	15-110			8/2/23 16:17

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Project Location: 250 Water St, NY, NY Sample Description: Work Order: 23G2653

Date Received: 7/20/2023

Field Sample #: 250WATERST-SB103-SS(7-9) Sampled: 7/18/2023 08:15

Sample ID: 23G2653-02

Sample Matrix: Soil

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
3-Penten-2-one, 4-methyl-	3.4	mg/Kg dry	563622	2.115	1	000141-79-7	91	SW-846 8270E	8/1/23	8/3/23 20:28	BGL
Heptane, 2,3-dimethyl-	0.53	mg/Kg dry	88887	2.386	1	003074-71-3	87	SW-846 8270E	8/1/23	8/3/23 20:28	BGL
Heptane, 2,5-dimethyl-	0.43	mg/Kg dry	72045	2.283	1	002216-30-0	91	SW-846 8270E	8/1/23	8/3/23 20:28	BGL
Octane, 4-methyl-	0.48	mg/Kg dry	79379	2.417	1	002216-34-4	83	SW-846 8270E	8/1/23	8/3/23 20:28	BGL
Tentatively Identified Compounds	0.0	mg/Kg dry			1	NA		SW-846 8270E	8/1/23	8/3/23 20:28	BGL

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Project Location: 250 Water St, NY, NY | Sample Description: | Work Order: 23G2653

Date Received: 7/20/2023

Field Sample #: 250WATERST-SB103-SS(7-9) | Sampled: 7/18/2023 08:15

Sample ID: 23G2653-02

Sample Matrix: Soil

Sample Flags: Z-01

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [1]	ND	0.020	0.0060	mg/Kg dry	1		SW-846 8081B	8/3/23	8/9/23 5:03	JMB
Aldrin [1]	ND	0.0050	0.00050	mg/Kg dry	1		SW-846 8081B	8/3/23	8/9/23 5:03	JMB
alpha-BHC [1]	ND	0.0050	0.0027	mg/Kg dry	1		SW-846 8081B	8/3/23	8/9/23 5:03	JMB
beta-BHC [1]	ND	0.0050	0.0023	mg/Kg dry	1		SW-846 8081B	8/3/23	8/9/23 5:03	JMB
delta-BHC [1]	ND	0.0050	0.0033	mg/Kg dry	1		SW-846 8081B	8/3/23	8/9/23 5:03	JMB
gamma-BHC (Lindane) [1]	ND	0.0020	0.00043	mg/Kg dry	1		SW-846 8081B	8/3/23	8/9/23 5:03	JMB
Chlordane [1]	ND	0.020	0.0071	mg/Kg dry	1		SW-846 8081B	8/3/23	8/9/23 5:03	JMB
4,4'-DDD [1]	ND	0.0040	0.00045	mg/Kg dry	1		SW-846 8081B	8/3/23	8/9/23 5:03	JMB
4,4'-DDE [1]	ND	0.0040	0.00047	mg/Kg dry	1		SW-846 8081B	8/3/23	8/9/23 5:03	JMB
4,4'-DDT [1]	ND	0.0040	0.00043	mg/Kg dry	1		SW-846 8081B	8/3/23	8/9/23 5:03	JMB
Dieldrin [1]	ND	0.0040	0.00039	mg/Kg dry	1		SW-846 8081B	8/3/23	8/9/23 5:03	JMB
Endosulfan I [1]	ND	0.0050	0.0025	mg/Kg dry	1		SW-846 8081B	8/3/23	8/9/23 5:03	JMB
Endosulfan II [1]	ND	0.0081	0.0025	mg/Kg dry	1		SW-846 8081B	8/3/23	8/9/23 5:03	JMB
Endosulfan sulfate [1]	ND	0.0081	0.0025	mg/Kg dry	1		SW-846 8081B	8/3/23	8/9/23 5:03	JMB
Endrin [1]	ND	0.0081	0.0025	mg/Kg dry	1		SW-846 8081B	8/3/23	8/9/23 5:03	JMB
Endrin aldehyde [1]	ND	0.0081	0.0049	mg/Kg dry	1		SW-846 8081B	8/3/23	8/9/23 15:44	JMB
Endrin ketone [1]	ND	0.0081	0.0023	mg/Kg dry	1		SW-846 8081B	8/3/23	8/9/23 5:03	JMB
Heptachlor [1]	ND	0.0050	0.00049	mg/Kg dry	1		SW-846 8081B	8/3/23	8/9/23 5:03	JMB
Heptachlor epoxide [1]	ND	0.0050	0.00045	mg/Kg dry	1		SW-846 8081B	8/3/23	8/9/23 5:03	JMB
Hexachlorobenzene [1]	ND	0.0060	0.0034	mg/Kg dry	1		SW-846 8081B	8/3/23	8/9/23 5:03	JMB
Methoxychlor [1]	ND	0.050	0.0062	mg/Kg dry	1		SW-846 8081B	8/3/23	8/9/23 5:03	JMB
Toxaphene [1]	ND	0.10	0.049	mg/Kg dry	1		SW-846 8081B	8/3/23	8/9/23 5:03	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
Decachlorobiphenyl [1]	71.1	30-150		8/9/23 5:03	
Decachlorobiphenyl [2]	73.2	30-150		8/9/23 5:03	
Tetrachloro-m-xylene [1]	69.8	30-150		8/9/23 5:03	
Tetrachloro-m-xylene [2]	64.4	30-150		8/9/23 5:03	

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Project Location: 250 Water St, NY, NY Sample Description: Work Order: 23G2653

Date Received: 7/20/2023

Field Sample #: 250WATERST-SB103-SS(7-9) Sampled: 7/18/2023 08:15

Sample ID: 23G2653-02

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.081	0.021	mg/Kg dry	4		SW-846 8082A	7/29/23	8/2/23 16:15	TG
Aroclor-1221 [1]	ND	0.081	0.044	mg/Kg dry	4		SW-846 8082A	7/29/23	8/2/23 16:15	TG
Aroclor-1232 [1]	ND	0.081	0.026	mg/Kg dry	4		SW-846 8082A	7/29/23	8/2/23 16:15	TG
Aroclor-1242 [1]	ND	0.081	0.024	mg/Kg dry	4		SW-846 8082A	7/29/23	8/2/23 16:15	TG
Aroclor-1248 [1]	ND	0.081	0.021	mg/Kg dry	4		SW-846 8082A	7/29/23	8/2/23 16:15	TG
Aroclor-1254 [1]	ND	0.081	0.025	mg/Kg dry	4		SW-846 8082A	7/29/23	8/2/23 16:15	TG
Aroclor-1260 [1]	ND	0.081	0.022	mg/Kg dry	4		SW-846 8082A	7/29/23	8/2/23 16:15	TG
Aroclor-1262 [1]	ND	0.081	0.024	mg/Kg dry	4		SW-846 8082A	7/29/23	8/2/23 16:15	TG
Aroclor-1268 [1]	ND	0.081	0.027	mg/Kg dry	4		SW-846 8082A	7/29/23	8/2/23 16:15	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	105	30-150		8/2/23 16:15
Decachlorobiphenyl [2]	108	30-150		8/2/23 16:15
Tetrachloro-m-xylene [1]	99.1	30-150		8/2/23 16:15
Tetrachloro-m-xylene [2]	100	30-150		8/2/23 16:15

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Project Location: 250 Water St, NY, NY | Sample Description: | Work Order: 23G2653

Date Received: 7/20/2023

Field Sample #: 250WATERST-SB103-SS(7-9) | Sampled: 7/18/2023 08:15

Sample ID: 23G2653-02

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	3200	17	12	mg/Kg dry	1		SW-846 6010D	7/26/23	7/30/23 15:32	MJH
Antimony	ND	1.7	0.35	mg/Kg dry	1		SW-846 6010D	7/26/23	7/30/23 15:32	MJH
Arsenic	0.65	3.4	0.57	mg/Kg dry	1	J	SW-846 6010D	7/26/23	7/30/23 15:32	MJH
Barium	38	1.7	0.26	mg/Kg dry	1		SW-846 6010D	7/26/23	7/30/23 15:32	MJH
Beryllium	0.25	0.17	0.051	mg/Kg dry	1		SW-846 6010D	7/26/23	7/30/23 15:32	MJH
Cadmium	ND	0.34	0.11	mg/Kg dry	1		SW-846 6010D	7/26/23	7/30/23 15:32	MJH
Calcium	1100	17	3.1	mg/Kg dry	1		SW-846 6010D	7/26/23	7/30/23 15:32	MJH
Chromium	7.5	0.68	0.25	mg/Kg dry	1		SW-846 6010D	7/26/23	7/30/23 15:32	MJH
Cobalt	3.3	1.7	0.25	mg/Kg dry	1		SW-846 6010D	7/26/23	7/30/23 15:32	MJH
Copper	10	0.68	0.15	mg/Kg dry	1	B-07, B	SW-846 6010D	7/26/23	7/30/23 15:32	MJH
Iron	6700	17	11	mg/Kg dry	1		SW-846 6010D	7/26/23	7/30/23 15:32	MJH
Lead	3.4	0.51	0.28	mg/Kg dry	1	M-12	SW-846 6010D	7/26/23	7/30/23 15:32	MJH
Magnesium	1900	17	2.6	mg/Kg dry	1		SW-846 6010D	7/26/23	7/30/23 15:32	MJH
Manganese	500	0.34	0.18	mg/Kg dry	1		SW-846 6010D	7/26/23	7/30/23 15:32	MJH
Mercury	ND	0.025	0.011	mg/Kg dry	1		SW-846 7471B	8/2/23	8/3/23 14:12	AAJ
Nickel	18	0.68	0.28	mg/Kg dry	1		SW-846 6010D	7/26/23	7/30/23 15:32	MJH
Potassium	930	170	31	mg/Kg dry	1		SW-846 6010D	7/26/23	7/30/23 15:32	MJH
Selenium	ND	3.4	0.73	mg/Kg dry	1		SW-846 6010D	7/26/23	7/30/23 15:32	MJH
Silver	ND	0.34	0.11	mg/Kg dry	1		SW-846 6010D	7/26/23	7/30/23 15:32	MJH
Sodium	180	170	30	mg/Kg dry	1		SW-846 6010D	7/26/23	7/30/23 15:32	MJH
Thallium	ND	1.7	0.59	mg/Kg dry	1		SW-846 6010D	7/26/23	7/31/23 20:59	HNN
Vanadium	10	0.68	0.21	mg/Kg dry	1		SW-846 6010D	7/26/23	7/30/23 15:32	MJH
Zinc	13	0.68	0.23	mg/Kg dry	1		SW-846 6010D	7/26/23	7/30/23 15:32	MJH

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Project Location: 250 Water St, NY, NY Sample Description: Work Order: 23G2653

Date Received: 7/20/2023

Field Sample #: 250WATERST-SB103-SS(7-9) Sampled: 7/18/2023 08:15

Sample ID: 23G2653-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.4			% Wt	1		SM 2540G	7/25/23	7/25/23 9:03	JLC
Cyanide	ND	0.44	0.31	mg/Kg dry	1		SW-846 9014	7/25/23	7/26/23 6:36	MMH

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Project Location: 250 Water St, NY, NY | Sample Description: | Work Order: 23G2653

Date Received: 7/20/2023

Field Sample #: 250WATERST-EB-20230718-2 | Sampled: 7/18/2023 10:00

Sample ID: 23G2653-03

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	7/25/23	7/27/23 1:53	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/25/23	7/27/23 1:53	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/25/23	7/27/23 1:53	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/25/23	7/27/23 1:53	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/25/23	7/27/23 1:53	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/25/23	7/27/23 1:53	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/25/23	7/27/23 1:53	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/25/23	7/27/23 1:53	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	7/25/23	7/27/23 1:53	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/25/23	7/27/23 1:53	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/25/23	7/27/23 1:53	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/25/23	7/27/23 1:53	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/25/23	7/27/23 1:53	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/25/23	7/27/23 1:53	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	7/25/23	7/27/23 1:53	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	7/25/23	7/27/23 1:53	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/25/23	7/27/23 1:53	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/25/23	7/27/23 1:53	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/25/23	7/27/23 1:53	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/25/23	7/27/23 1:53	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/25/23	7/27/23 1:53	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/25/23	7/27/23 1:53	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/25/23	7/27/23 1:53	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/25/23	7/27/23 1:53	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/25/23	7/27/23 1:53	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/25/23	7/27/23 1:53	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/25/23	7/27/23 1:53	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/25/23	7/27/23 1:53	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/25/23	7/27/23 1:53	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	7/25/23	7/27/23 1:53	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/25/23	7/27/23 1:53	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/25/23	7/27/23 1:53	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/25/23	7/27/23 1:53	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/25/23	7/27/23 1:53	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/25/23	7/27/23 1:53	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/25/23	7/27/23 1:53	EEH
Methylene Chloride	0.38	5.0	0.18	µg/L	1	J	SW-846 8260D	7/25/23	7/27/23 1:53	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/25/23	7/27/23 1:53	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/25/23	7/27/23 1:53	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/25/23	7/27/23 1:53	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/25/23	7/27/23 1:53	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/25/23	7/27/23 1:53	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	7/25/23	7/27/23 1:53	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/25/23	7/27/23 1:53	EEH

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Project Location: 250 Water St, NY, NY Sample Description: Work Order: 23G2653

Date Received: 7/20/2023

Field Sample #: 250WATERST-EB-20230718-2 Sampled: 7/18/2023 10:00

Sample ID: 23G2653-03

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/25/23	7/27/23 1:53	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/25/23	7/27/23 1:53	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/25/23	7/27/23 1:53	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/25/23	7/27/23 1:53	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/25/23	7/27/23 1:53	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/25/23	7/27/23 1:53	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	7/25/23	7/27/23 1:53	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	99.9	70-130		7/27/23 1:53
Toluene-d8	97.2	70-130		7/27/23 1:53
4-Bromofluorobenzene	86.4	70-130		7/27/23 1:53

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Project Location: 250 Water St, NY, NY Sample Description: Work Order: 23G2653

Date Received: 7/20/2023

Field Sample #: 250WATERST-EB-20230718-2 Sampled: 7/18/2023 10:00

Sample ID: 23G2653-03

Sample Matrix: Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			1			SW-846 8260D	7/25/23	7/27/23 1:53	EEH

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Project Location: 250 Water St, NY, NY | Sample Description: | Work Order: 23G2653

Date Received: 7/20/2023

Field Sample #: 250WATERST-EB-20230718-2 | Sampled: 7/18/2023 10:00

Sample ID: 23G2653-03

Sample Matrix: Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	20	0.55	µg/L	1		SW-846 8270E	7/24/23	7/31/23 18:44	AR2
Benzaldehyde	ND	10	0.45	µg/L	1	L-04	SW-846 8270E	7/24/23	7/31/23 18:44	AR2
Biphenyl	ND	20	0.41	µg/L	1		SW-846 8270E	7/24/23	7/31/23 18:44	AR2
Caprolactam	ND	10	0.28	µg/L	1	L-04	SW-846 8270E	7/24/23	7/31/23 18:44	AR2
Acenaphthene	ND	5.0	0.54	µg/L	1		SW-846 8270E	7/24/23	7/31/23 18:44	AR2
Acenaphthylene	ND	5.0	0.56	µg/L	1		SW-846 8270E	7/24/23	7/31/23 18:44	AR2
Acetophenone	ND	10	0.50	µg/L	1		SW-846 8270E	7/24/23	7/31/23 18:44	AR2
Anthracene	ND	5.0	0.50	µg/L	1		SW-846 8270E	7/24/23	7/31/23 18:44	AR2
Benzo(a)anthracene	ND	5.0	0.46	µg/L	1		SW-846 8270E	7/24/23	7/31/23 18:44	AR2
Benzo(a)pyrene	ND	5.0	0.70	µg/L	1		SW-846 8270E	7/24/23	7/31/23 18:44	AR2
Benzo(b)fluoranthene	ND	5.0	0.55	µg/L	1		SW-846 8270E	7/24/23	7/31/23 18:44	AR2
Benzo(g,h,i)perylene	ND	5.0	0.68	µg/L	1		SW-846 8270E	7/24/23	7/31/23 18:44	AR2
Benzo(k)fluoranthene	ND	5.0	0.63	µg/L	1		SW-846 8270E	7/24/23	7/31/23 18:44	AR2
Bis(2-chloroethoxy)methane	ND	10	0.42	µg/L	1		SW-846 8270E	7/24/23	7/31/23 18:44	AR2
Bis(2-chloroethyl)ether	ND	10	0.50	µg/L	1		SW-846 8270E	7/24/23	7/31/23 18:44	AR2
Bis(2-chloroisopropyl)ether	ND	10	0.64	µg/L	1		SW-846 8270E	7/24/23	7/31/23 18:44	AR2
Bis(2-Ethylhexyl)phthalate	ND	10	0.84	µg/L	1	V-06	SW-846 8270E	7/24/23	7/31/23 18:44	AR2
4-Bromophenylphenylether	ND	10	0.52	µg/L	1		SW-846 8270E	7/24/23	7/31/23 18:44	AR2
Butylbenzylphthalate	ND	10	0.66	µg/L	1		SW-846 8270E	7/24/23	7/31/23 18:44	AR2
Carbazole	ND	10	0.46	µg/L	1		SW-846 8270E	7/24/23	7/31/23 18:44	AR2
4-Chloroaniline	ND	10	0.62	µg/L	1		SW-846 8270E	7/24/23	7/31/23 18:44	AR2
4-Chloro-3-methylphenol	ND	10	0.52	µg/L	1		SW-846 8270E	7/24/23	7/31/23 18:44	AR2
2-Chloronaphthalene	ND	10	0.52	µg/L	1		SW-846 8270E	7/24/23	7/31/23 18:44	AR2
2-Chlorophenol	ND	10	0.46	µg/L	1		SW-846 8270E	7/24/23	7/31/23 18:44	AR2
4-Chlorophenylphenylether	ND	10	0.55	µg/L	1		SW-846 8270E	7/24/23	7/31/23 18:44	AR2
Chrysene	ND	5.0	0.44	µg/L	1		SW-846 8270E	7/24/23	7/31/23 18:44	AR2
Dibenz(a,h)anthracene	ND	5.0	0.74	µg/L	1		SW-846 8270E	7/24/23	7/31/23 18:44	AR2
Dibenzofuran	ND	5.0	0.56	µg/L	1		SW-846 8270E	7/24/23	7/31/23 18:44	AR2
Di-n-butylphthalate	ND	10	0.49	µg/L	1		SW-846 8270E	7/24/23	7/31/23 18:44	AR2
3,3-Dichlorobenzidine	ND	10	0.78	µg/L	1	V-06	SW-846 8270E	7/24/23	7/31/23 18:44	AR2
2,4-Dichlorophenol	ND	10	0.49	µg/L	1		SW-846 8270E	7/24/23	7/31/23 18:44	AR2
Diethylphthalate	ND	10	0.41	µg/L	1		SW-846 8270E	7/24/23	7/31/23 18:44	AR2
2,4-Dimethylphenol	ND	10	0.50	µg/L	1		SW-846 8270E	7/24/23	7/31/23 18:44	AR2
Dimethylphthalate	ND	10	0.38	µg/L	1		SW-846 8270E	7/24/23	7/31/23 18:44	AR2
4,6-Dinitro-2-methylphenol	ND	10	8.5	µg/L	1	V-04, V-06, V-35	SW-846 8270E	7/24/23	7/31/23 18:44	AR2
2,4-Dinitrophenol	ND	10	8.5	µg/L	1	V-04, V-06, V-35	SW-846 8270E	7/24/23	7/31/23 18:44	AR2
2,4-Dinitrotoluene	ND	10	0.67	µg/L	1		SW-846 8270E	7/24/23	7/31/23 18:44	AR2
2,6-Dinitrotoluene	ND	10	0.56	µg/L	1	V-06	SW-846 8270E	7/24/23	7/31/23 18:44	AR2
Di-n-octylphthalate	ND	10	3.1	µg/L	1		SW-846 8270E	7/24/23	7/31/23 18:44	AR2
Fluoranthene	ND	5.0	0.48	µg/L	1		SW-846 8270E	7/24/23	7/31/23 18:44	AR2
Fluorene	ND	5.0	0.54	µg/L	1		SW-846 8270E	7/24/23	7/31/23 18:44	AR2
Hexachlorobenzene	ND	10	0.58	µg/L	1		SW-846 8270E	7/24/23	7/31/23 18:44	AR2
Hexachlorobutadiene	ND	10	0.75	µg/L	1	L-04	SW-846 8270E	7/24/23	7/31/23 18:44	AR2
Hexachlorocyclopentadiene	ND	10	6.0	µg/L	1		SW-846 8270E	7/24/23	7/31/23 18:44	AR2

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water St, NY, NY Sample Description: Work Order: 23G2653

Date Received: 7/20/2023

Field Sample #: 250WATERST-EB-20230718-2 Sampled: 7/18/2023 10:00

Sample ID: 23G2653-03

Sample Matrix: Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	10	0.72	µg/L	1	L-04	SW-846 8270E	7/24/23	7/31/23 18:44	AR2
Indeno(1,2,3-cd)pyrene	ND	5.0	0.78	µg/L	1		SW-846 8270E	7/24/23	7/31/23 18:44	AR2
Isophorone	ND	10	0.52	µg/L	1		SW-846 8270E	7/24/23	7/31/23 18:44	AR2
2-Methylnaphthalene	ND	5.0	0.68	µg/L	1		SW-846 8270E	7/24/23	7/31/23 18:44	AR2
2-Methylphenol	ND	10	0.49	µg/L	1		SW-846 8270E	7/24/23	7/31/23 18:44	AR2
3/4-Methylphenol	ND	10	0.43	µg/L	1		SW-846 8270E	7/24/23	7/31/23 18:44	AR2
Naphthalene	ND	5.0	0.60	µg/L	1		SW-846 8270E	7/24/23	7/31/23 18:44	AR2
2-Nitroaniline	ND	10	0.72	µg/L	1	V-06	SW-846 8270E	7/24/23	7/31/23 18:44	AR2
3-Nitroaniline	ND	10	0.59	µg/L	1	V-06	SW-846 8270E	7/24/23	7/31/23 18:44	AR2
4-Nitroaniline	ND	10	0.68	µg/L	1		SW-846 8270E	7/24/23	7/31/23 18:44	AR2
Nitrobenzene	ND	10	0.58	µg/L	1		SW-846 8270E	7/24/23	7/31/23 18:44	AR2
2-Nitrophenol	ND	10	0.51	µg/L	1	V-06	SW-846 8270E	7/24/23	7/31/23 18:44	AR2
4-Nitrophenol	ND	10	1.9	µg/L	1		SW-846 8270E	7/24/23	7/31/23 18:44	AR2
N-Nitrosodiphenylamine/Diphenylamine	ND	10	0.43	µg/L	1		SW-846 8270E	7/24/23	7/31/23 18:44	AR2
N-Nitrosodi-n-propylamine	ND	10	0.57	µg/L	1		SW-846 8270E	7/24/23	7/31/23 18:44	AR2
Pentachlorophenol	ND	10	0.67	µg/L	1		SW-846 8270E	7/24/23	7/31/23 18:44	AR2
Phenanthrene	ND	5.0	0.51	µg/L	1		SW-846 8270E	7/24/23	7/31/23 18:44	AR2
Phenol	ND	10	0.19	µg/L	1	R-05	SW-846 8270E	7/24/23	7/31/23 18:44	AR2
Pyrene	ND	5.0	0.66	µg/L	1		SW-846 8270E	7/24/23	7/31/23 18:44	AR2
1,2,4,5-Tetrachlorobenzene	ND	10	0.66	µg/L	1		SW-846 8270E	7/24/23	7/31/23 18:44	AR2
2,4,5-Trichlorophenol	ND	10	0.55	µg/L	1		SW-846 8270E	7/24/23	7/31/23 18:44	AR2
2,4,6-Trichlorophenol	ND	10	0.47	µg/L	1		SW-846 8270E	7/24/23	7/31/23 18:44	AR2

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
2-Fluorophenol	**7.61**	*	15-110	S-26	7/31/23 18:44
Phenol-d6	**9.76**	*	15-110	S-26	7/31/23 18:44
Nitrobenzene-d5	**8.79**	*	30-130	S-26	7/31/23 18:44
2-Fluorobiphenyl	**9.05**	*	30-130	S-26	7/31/23 18:44
2,4,6-Tribromophenol	31.9		15-110		7/31/23 18:44
p-Terphenyl-d14	62.1		30-130		7/31/23 18:44

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Project Location: 250 Water St, NY, NY Sample Description: Work Order: 23G2653

Date Received: 7/20/2023

Field Sample #: 250WATERST-EB-20230718-2 Sampled: 7/18/2023 10:00

Sample ID: 23G2653-03

Sample Matrix: Water

Sample Flags: H-06

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.41	0.067	µg/L	1		SW-846 8270E	8/21/23	8/23/23 13:36	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	22.2	15-110			8/23/23 13:36

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Project Location: 250 Water St, NY, NY Sample Description: Work Order: 23G2653

Date Received: 7/20/2023

Field Sample #: 250WATERST-EB-20230718-2 Sampled: 7/18/2023 10:00

Sample ID: 23G2653-03

Sample Matrix: Water

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Butane, 2,2,3,3-tetramethyl-	390	µg/L	8284140	1.863	1	000594-82-1	83	SW-846 8270E	7/24/23	7/31/23 18:44	AR2
Tentatively Identified Compounds	0.0	µg/L			1	NA		SW-846 8270E	7/24/23	7/31/23 18:44	AR2
No TICs Found	0.0	µg/L			1			SW-846 8270E	7/24/23	7/31/23 18:44	AR2

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water St, NY, NY | Sample Description: | Work Order: 23G2653

Date Received: 7/20/2023

Field Sample #: 250WATERST-EB-20230718-2 | Sampled: 7/18/2023 10:00

Sample ID: 23G2653-03

Sample Matrix: Water

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [1]	ND	0.20	0.053	µg/L	1		SW-846 8081B	7/21/23	7/29/23 18:36	TG
Aldrin [1]	ND	0.051	0.0045	µg/L	1		SW-846 8081B	7/21/23	7/29/23 18:36	TG
alpha-BHC [1]	ND	0.051	0.028	µg/L	1		SW-846 8081B	7/21/23	7/29/23 18:36	TG
beta-BHC [1]	ND	0.051	0.026	µg/L	1		SW-846 8081B	7/21/23	7/29/23 18:36	TG
delta-BHC [1]	ND	0.051	0.030	µg/L	1		SW-846 8081B	7/21/23	7/29/23 18:36	TG
gamma-BHC (Lindane) [1]	ND	0.030	0.0047	µg/L	1		SW-846 8081B	7/21/23	7/29/23 18:36	TG
Chlordane [1]	ND	0.20	0.075	µg/L	1		SW-846 8081B	7/21/23	7/29/23 18:36	TG
4,4'-DDD [1]	ND	0.041	0.0039	µg/L	1		SW-846 8081B	7/21/23	7/29/23 18:36	TG
4,4'-DDE [1]	ND	0.041	0.0046	µg/L	1		SW-846 8081B	7/21/23	7/29/23 18:36	TG
4,4'-DDT [1]	ND	0.041	0.0039	µg/L	1		SW-846 8081B	7/21/23	7/29/23 18:36	TG
Dieldrin [1]	ND	0.0020	0.0011	µg/L	1		SW-846 8081B	7/21/23	7/29/23 18:36	TG
Endosulfan I [1]	ND	0.051	0.033	µg/L	1		SW-846 8081B	7/21/23	7/29/23 18:36	TG
Endosulfan II [1]	ND	0.081	0.021	µg/L	1		SW-846 8081B	7/21/23	7/29/23 18:36	TG
Endosulfan sulfate [1]	ND	0.081	0.020	µg/L	1		SW-846 8081B	7/21/23	7/29/23 18:36	TG
Endrin [1]	ND	0.081	0.022	µg/L	1		SW-846 8081B	7/21/23	7/29/23 18:36	TG
Endrin aldehyde [1]	ND	0.081	0.019	µg/L	1		SW-846 8081B	7/21/23	7/29/23 18:36	TG
Endrin ketone [1]	ND	0.081	0.018	µg/L	1		SW-846 8081B	7/21/23	7/29/23 18:36	TG
Heptachlor [1]	ND	0.051	0.0052	µg/L	1		SW-846 8081B	7/21/23	7/29/23 18:36	TG
Heptachlor epoxide [1]	ND	0.051	0.0043	µg/L	1		SW-846 8081B	7/21/23	7/29/23 18:36	TG
Hexachlorobenzene [1]	ND	0.051	0.035	µg/L	1		SW-846 8081B	7/21/23	7/29/23 18:36	TG
Methoxychlor [1]	ND	0.51	0.065	µg/L	1		SW-846 8081B	7/21/23	7/29/23 18:36	TG
Toxaphene [1]	ND	1.0	0.39	µg/L	1		SW-846 8081B	7/21/23	7/29/23 18:36	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	72.7	30-150		7/29/23 18:36
Decachlorobiphenyl [2]	72.3	30-150		7/29/23 18:36
Tetrachloro-m-xylene [1]	67.6	30-150		7/29/23 18:36
Tetrachloro-m-xylene [2]	69.6	30-150		7/29/23 18:36

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Project Location: 250 Water St, NY, NY Sample Description: Work Order: 23G2653

Date Received: 7/20/2023

Field Sample #: 250WATERST-EB-20230718-2 Sampled: 7/18/2023 10:00

Sample ID: 23G2653-03

Sample Matrix: Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	0.058	µg/L	1		SW-846 8082A	7/21/23	7/29/23 10:34	SFM
Aroclor-1221 [1]	ND	0.20	0.081	µg/L	1		SW-846 8082A	7/21/23	7/29/23 10:34	SFM
Aroclor-1232 [1]	ND	0.20	0.073	µg/L	1		SW-846 8082A	7/21/23	7/29/23 10:34	SFM
Aroclor-1242 [1]	ND	0.20	0.078	µg/L	1		SW-846 8082A	7/21/23	7/29/23 10:34	SFM
Aroclor-1248 [1]	ND	0.20	0.082	µg/L	1		SW-846 8082A	7/21/23	7/29/23 10:34	SFM
Aroclor-1254 [1]	ND	0.20	0.080	µg/L	1		SW-846 8082A	7/21/23	7/29/23 10:34	SFM
Aroclor-1260 [1]	ND	0.20	0.060	µg/L	1		SW-846 8082A	7/21/23	7/29/23 10:34	SFM
Aroclor-1262 [1]	ND	0.20	0.093	µg/L	1		SW-846 8082A	7/21/23	7/29/23 10:34	SFM
Aroclor-1268 [1]	ND	0.20	0.074	µg/L	1		SW-846 8082A	7/21/23	7/29/23 10:34	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	82.3	30-150		7/29/23 10:34
Decachlorobiphenyl [2]	73.6	30-150		7/29/23 10:34
Tetrachloro-m-xylene [1]	71.3	30-150		7/29/23 10:34
Tetrachloro-m-xylene [2]	70.7	30-150		7/29/23 10:34

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Project Location: 250 Water St, NY, NY Sample Description: Work Order: 23G2653

Date Received: 7/20/2023

Field Sample #: 250WATERST-EB-20230718-2 Sampled: 7/18/2023 10:00

Sample ID: 23G2653-03

Sample Matrix: Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	0.045	mg/L	1		SW-846 6010D	7/21/23	7/25/23 1:34	ATP
Antimony	ND	0.050	0.0082	mg/L	1		SW-846 6010D	7/21/23	7/25/23 1:34	ATP
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	7/21/23	7/27/23 15:37	HNN
Barium	ND	0.050	0.0051	mg/L	1		SW-846 6010D	7/21/23	7/25/23 1:34	ATP
Beryllium	ND	0.0040	0.0012	mg/L	1		SW-846 6010D	7/21/23	7/25/23 1:34	ATP
Cadmium	ND	0.0040	0.0018	mg/L	1		SW-846 6010D	7/21/23	7/25/23 1:34	ATP
Calcium	ND	0.50	0.22	mg/L	1		SW-846 6010D	7/21/23	7/25/23 1:34	ATP
Chromium	ND	0.010	0.0068	mg/L	1		SW-846 6010D	7/21/23	7/25/23 1:34	ATP
Cobalt	ND	0.010	0.0021	mg/L	1		SW-846 6010D	7/21/23	7/25/23 1:34	ATP
Copper	ND	0.010	0.0036	mg/L	1		SW-846 6010D	7/21/23	7/27/23 15:37	HNN
Iron	ND	0.050	0.047	mg/L	1		SW-846 6010D	7/21/23	7/25/23 1:34	ATP
Lead	ND	0.010	0.0068	mg/L	1		SW-846 6010D	7/21/23	7/27/23 15:37	HNN
Magnesium	0.017	0.050	0.0095	mg/L	1	J	SW-846 6010D	7/21/23	7/27/23 15:37	HNN
Manganese	ND	0.010	0.0033	mg/L	1		SW-846 6010D	7/21/23	7/25/23 1:34	ATP
Mercury	ND	0.00020	0.00014	mg/L	1		SW-846 7470A	7/24/23	7/25/23 10:57	AAJ
Nickel	ND	0.010	0.0098	mg/L	1		SW-846 6010D	7/21/23	7/25/23 1:34	ATP
Potassium	ND	2.0	0.28	mg/L	1		SW-846 6010D	7/21/23	7/25/23 1:34	ATP
Selenium	ND	0.050	0.014	mg/L	1		SW-846 6010D	7/21/23	7/25/23 1:34	ATP
Silver	ND	0.010	0.0035	mg/L	1		SW-846 6010D	7/21/23	7/27/23 15:37	HNN
Sodium	ND	2.0	1.2	mg/L	1		SW-846 6010D	7/21/23	7/25/23 1:34	ATP
Thallium	ND	0.050	0.021	mg/L	1		SW-846 6010D	7/21/23	7/27/23 15:37	HNN
Vanadium	ND	0.010	0.0038	mg/L	1		SW-846 6010D	7/21/23	7/25/23 1:34	ATP
Zinc	ND	0.010	0.0042	mg/L	1		SW-846 6010D	7/21/23	7/27/23 15:37	HNN

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Project Location: 250 Water St, NY, NY Sample Description: Work Order: 23G2653

Date Received: 7/20/2023

Field Sample #: 250WATERST-EB-20230718-2 Sampled: 7/18/2023 10:00

Sample ID: 23G2653-03

Sample Matrix: Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	0.0077	0.010	0.0070	mg/L	1	J	SW-846 9014	7/25/23	7/26/23 6:36	MMH

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Project Location: 250 Water St, NY, NY | Sample Description: | Work Order: 23G2653

Date Received: 7/20/2023

Field Sample #: 250WATERST-EB-20230718-2 RE | Sampled: 7/18/2023 10:00

Sample ID: 23G2653-04

Sample Matrix: Water

Sample Flags: H-06

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	21	1.7	µg/L	1		SW-846 8270E	8/3/23	8/11/23 12:17	BGL
Benzaldehyde	ND	11	0.77	µg/L	1		SW-846 8270E	8/3/23	8/11/23 12:17	BGL
Biphenyl	ND	21	0.98	µg/L	1		SW-846 8270E	8/3/23	8/11/23 12:17	BGL
Caprolactam	ND	11	0.76	µg/L	1	L-04	SW-846 8270E	8/3/23	8/11/23 12:17	BGL
Acenaphthene	ND	5.3	0.84	µg/L	1		SW-846 8270E	8/3/23	8/11/23 12:17	BGL
Acenaphthylene	ND	5.3	0.68	µg/L	1		SW-846 8270E	8/3/23	8/11/23 12:17	BGL
Acetophenone	ND	11	0.53	µg/L	1		SW-846 8270E	8/3/23	8/11/23 12:17	BGL
Anthracene	ND	5.3	0.58	µg/L	1		SW-846 8270E	8/3/23	8/11/23 12:17	BGL
Benzo(a)anthracene	ND	5.3	0.40	µg/L	1		SW-846 8270E	8/3/23	8/11/23 12:17	BGL
Benzo(a)pyrene	ND	5.3	0.46	µg/L	1		SW-846 8270E	8/3/23	8/11/23 12:17	BGL
Benzo(b)fluoranthene	ND	5.3	0.34	µg/L	1		SW-846 8270E	8/3/23	8/11/23 12:17	BGL
Benzo(g,h,i)perylene	ND	5.3	0.56	µg/L	1		SW-846 8270E	8/3/23	8/11/23 12:17	BGL
Benzo(k)fluoranthene	ND	5.3	0.49	µg/L	1		SW-846 8270E	8/3/23	8/11/23 12:17	BGL
Bis(2-chloroethoxy)methane	ND	11	0.61	µg/L	1		SW-846 8270E	8/3/23	8/11/23 12:17	BGL
Bis(2-chloroethyl)ether	ND	11	0.49	µg/L	1		SW-846 8270E	8/3/23	8/11/23 12:17	BGL
Bis(2-chloroisopropyl)ether	ND	11	0.80	µg/L	1		SW-846 8270E	8/3/23	8/11/23 12:17	BGL
Bis(2-Ethylhexyl)phthalate	ND	11	0.34	µg/L	1	V-04	SW-846 8270E	8/3/23	8/11/23 12:17	BGL
4-Bromophenylphenylether	ND	11	0.76	µg/L	1		SW-846 8270E	8/3/23	8/11/23 12:17	BGL
Butylbenzylphthalate	ND	11	0.42	µg/L	1	V-35	SW-846 8270E	8/3/23	8/11/23 12:17	BGL
Carbazole	ND	11	0.49	µg/L	1		SW-846 8270E	8/3/23	8/11/23 12:17	BGL
4-Chloroaniline	ND	11	5.5	µg/L	1	L-04	SW-846 8270E	8/3/23	8/11/23 12:17	BGL
4-Chloro-3-methylphenol	ND	11	0.67	µg/L	1		SW-846 8270E	8/3/23	8/11/23 12:17	BGL
2-Chloronaphthalene	ND	11	0.86	µg/L	1		SW-846 8270E	8/3/23	8/11/23 12:17	BGL
2-Chlorophenol	ND	11	0.44	µg/L	1		SW-846 8270E	8/3/23	8/11/23 12:17	BGL
4-Chlorophenylphenylether	ND	11	0.93	µg/L	1		SW-846 8270E	8/3/23	8/11/23 12:17	BGL
Chrysene	ND	5.3	0.49	µg/L	1		SW-846 8270E	8/3/23	8/11/23 12:17	BGL
Dibenz(a,h)anthracene	ND	5.3	0.51	µg/L	1		SW-846 8270E	8/3/23	8/11/23 12:17	BGL
Dibenzofuran	ND	5.3	0.91	µg/L	1		SW-846 8270E	8/3/23	8/11/23 12:17	BGL
Di-n-butylphthalate	ND	11	0.53	µg/L	1		SW-846 8270E	8/3/23	8/11/23 12:17	BGL
3,3-Dichlorobenzidine	ND	11	0.49	µg/L	1		SW-846 8270E	8/3/23	8/11/23 12:17	BGL
2,4-Dichlorophenol	ND	11	0.50	µg/L	1		SW-846 8270E	8/3/23	8/11/23 12:17	BGL
Diethylphthalate	ND	11	0.59	µg/L	1		SW-846 8270E	8/3/23	8/11/23 12:17	BGL
2,4-Dimethylphenol	ND	11	0.44	µg/L	1		SW-846 8270E	8/3/23	8/11/23 12:17	BGL
Dimethylphthalate	ND	11	0.46	µg/L	1		SW-846 8270E	8/3/23	8/11/23 12:17	BGL
4,6-Dinitro-2-methylphenol	ND	21	2.5	µg/L	1	V-04	SW-846 8270E	8/3/23	8/11/23 12:17	BGL
2,4-Dinitrophenol	ND	11	1.4	µg/L	1	V-04	SW-846 8270E	8/3/23	8/11/23 12:17	BGL
2,4-Dinitrotoluene	ND	11	0.37	µg/L	1		SW-846 8270E	8/3/23	8/11/23 12:17	BGL
2,6-Dinitrotoluene	ND	11	0.59	µg/L	1		SW-846 8270E	8/3/23	8/11/23 12:17	BGL
Di-n-octylphthalate	ND	11	0.35	µg/L	1	V-04	SW-846 8270E	8/3/23	8/11/23 12:17	BGL
Fluoranthene	ND	5.3	0.60	µg/L	1		SW-846 8270E	8/3/23	8/11/23 12:17	BGL
Fluorene	ND	5.3	0.81	µg/L	1		SW-846 8270E	8/3/23	8/11/23 12:17	BGL
Hexachlorobenzene	ND	11	0.77	µg/L	1		SW-846 8270E	8/3/23	8/11/23 12:17	BGL
Hexachlorobutadiene	ND	11	1.3	µg/L	1		SW-846 8270E	8/3/23	8/11/23 12:17	BGL
Hexachlorocyclopentadiene	ND	11	3.0	µg/L	1		SW-846 8270E	8/3/23	8/11/23 12:17	BGL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water St, NY, NY | Sample Description: | Work Order: 23G2653

Date Received: 7/20/2023

Field Sample #: 250WATERST-EB-20230718-2 RE | Sampled: 7/18/2023 10:00

Sample ID: 23G2653-04

Sample Matrix: Water

Sample Flags: H-06

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	11	1.3	µg/L	1	L-04	SW-846 8270E	8/3/23	8/11/23 12:17	BGL
Indeno(1,2,3-cd)pyrene	ND	5.3	0.51	µg/L	1		SW-846 8270E	8/3/23	8/11/23 12:17	BGL
Isophorone	ND	11	0.58	µg/L	1		SW-846 8270E	8/3/23	8/11/23 12:17	BGL
2-Methylnaphthalene	ND	5.3	0.99	µg/L	1		SW-846 8270E	8/3/23	8/11/23 12:17	BGL
2-Methylphenol	ND	11	0.49	µg/L	1		SW-846 8270E	8/3/23	8/11/23 12:17	BGL
3/4-Methylphenol	ND	11	0.51	µg/L	1		SW-846 8270E	8/3/23	8/11/23 12:17	BGL
Naphthalene	ND	5.3	0.96	µg/L	1		SW-846 8270E	8/3/23	8/11/23 12:17	BGL
2-Nitroaniline	ND	11	0.53	µg/L	1		SW-846 8270E	8/3/23	8/11/23 12:17	BGL
3-Nitroaniline	ND	11	0.55	µg/L	1		SW-846 8270E	8/3/23	8/11/23 12:17	BGL
4-Nitroaniline	ND	11	0.46	µg/L	1		SW-846 8270E	8/3/23	8/11/23 12:17	BGL
Nitrobenzene	ND	11	0.72	µg/L	1		SW-846 8270E	8/3/23	8/11/23 12:17	BGL
2-Nitrophenol	ND	11	0.58	µg/L	1		SW-846 8270E	8/3/23	8/11/23 12:17	BGL
4-Nitrophenol	ND	11	1.4	µg/L	1	V-05	SW-846 8270E	8/3/23	8/11/23 12:17	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	11	0.51	µg/L	1		SW-846 8270E	8/3/23	8/11/23 12:17	BGL
N-Nitrosodi-n-propylamine	ND	11	0.70	µg/L	1		SW-846 8270E	8/3/23	8/11/23 12:17	BGL
Pentachlorophenol	ND	11	0.51	µg/L	1		SW-846 8270E	8/3/23	8/11/23 12:17	BGL
Phenanthrene	ND	5.3	0.76	µg/L	1		SW-846 8270E	8/3/23	8/11/23 12:17	BGL
Phenol	2.7	11	0.63	µg/L	1	J	SW-846 8270E	8/3/23	8/11/23 12:17	BGL
Pyrene	ND	5.3	0.49	µg/L	1		SW-846 8270E	8/3/23	8/11/23 12:17	BGL
1,2,4,5-Tetrachlorobenzene	ND	11	1.3	µg/L	1		SW-846 8270E	8/3/23	8/11/23 12:17	BGL
2,4,5-Trichlorophenol	ND	11	0.48	µg/L	1		SW-846 8270E	8/3/23	8/11/23 12:17	BGL
2,4,6-Trichlorophenol	ND	11	0.40	µg/L	1		SW-846 8270E	8/3/23	8/11/23 12:17	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	35.4	15-110		8/11/23 12:17
Phenol-d6	24.0	15-110		8/11/23 12:17
Nitrobenzene-d5	44.6	30-130		8/11/23 12:17
2-Fluorobiphenyl	46.1	30-130		8/11/23 12:17
2,4,6-Tribromophenol	46.7	15-110		8/11/23 12:17
p-Terphenyl-d14	52.4	30-130		8/11/23 12:17

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water St, NY, NY
Sample Description:
Work Order: 23G2653

Date Received: 7/20/2023

Field Sample #: 250WATERST-EB-20230718-2 RE
Sampled: 7/18/2023 10:00

Sample ID: 23G2653-04

Sample Matrix: Water

Sample Flags: H-06

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			1			SW-846 8270E	8/3/23	8/11/23 12:17	BGL

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23G2653
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Calibration:	2200537	Instrument:	GCMSVOA3
		Calibration Date:	8/8/2022 10:18:58AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
1,3-Dichlorobenzene	1.193097	12.1			20	
1,4-Dichlorobenzene	1.270795	8.8			20	
trans-1,4-Dichloro-2-butene	0.239735	14.1			20	
Dichlorodifluoromethane (Freon 12)	0.4341094	10.1			20	
1,1-Dichloroethane	0.787926	6.1			20	
1,2-Dichloroethane	0.4276246	10.4			20	
1,1-Dichloroethylene	0.6503172	6.4			20	
cis-1,2-Dichloroethylene	0.6864345	9.7			20	
trans-1,2-Dichloroethylene	0.6178868	7.3			20	
Dichlorofluoromethane (Freon 21)	0.8403159	5.9			20	
1,2-Dichloropropane	0.306328	10.1			20	
1,3-Dichloropropane	0.4974963	14.4			20	
2,2-Dichloropropane	0.6088295	8.7			20	
1,1-Dichloropropene	0.5473735	11.5			20	
cis-1,3-Dichloropropene	0.4734604	12.7			20	
trans-1,3-Dichloropropene	0.4080538	16.5			20	
Diethyl Ether	0.3713617	11.2			20	
Difluorochloromethane (Freon 22)	0.5720824	6.4			20	
Diisopropyl Ether (DIPE)	1.558552	9.0			20	
1,4-Dioxane	4.731593E-03	10.9			20	
Ethanol	1.036708E-02	17.7			20	
Ethyl Acetate	0.6506099	5.8			20	
Ethylbenzene	2.549064	12.6			20	
Hexachlorobutadiene	0.2852952	17.9			20	
2-Hexanone (MBK)	0.2843475	16.4			20	
Iodomethane	0.5420061	18.8			20	
Isopropylbenzene (Cumene)	2.395221	12.5			20	
p-Isopropyltoluene (p-Cymene)	1.842122	9.9			20	
Methyl Acetate	0.7088624	9.4			20	
Methyl tert-Butyl Ether (MTBE)	1.412808	8.2			20	
Methyl Cyclohexane	0.3308172	13.9			20	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23G2653
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Calibration:	2300846	Instrument:	GCMSVOA7
		Calibration Date:	7/12/2023 5:14:00AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
Acetone	0.1393438	16.8			20	
Acrolein	9.250141E-02	4.5			20	
Acrylonitrile	0.132171	14.1			20	
tert-Amyl Methyl Ether (TAME)	0.9286366	4.1			20	
Benzene	1.220011	8.4			20	
Bromobenzene	1.048753	7.2			20	
Bromochloromethane	0.2678868	11.6			20	
Bromodichloromethane	0.2852591	4.8			20	
Bromoform	0.4454684	4.3			20	
Bromomethane	0.1078823	12.7			20	
2-Butanone (MEK)	0.1670244	5.1			20	
tert-Butyl Alcohol (TBA)	5.246718E-02	9.1			20	
n-Butylbenzene	1.735674	15.1			20	
sec-Butylbenzene	2.112068	18.8			20	
tert-Butylbenzene	1.517237	19.0			20	
tert-Butyl Ethyl Ether (TBEE)	1.093651	3.8			20	
Carbon Disulfide	0.6383774	17.1			20	
Carbon Tetrachloride	0.3639346	17.4			20	
Chlorobenzene	1.53432	8.0			20	
Chlorodibromomethane	0.2325216	2.7			20	
Chloroethane	0.1455703	16.9			20	
Chloroform	0.5602051	7.7			20	
Chloromethane	0.4260619	13.0			20	
2-Chlorotoluene	1.717336	9.5			20	
4-Chlorotoluene	2.099713	9.1			20	
Cyclohexane	0.9130677	47.9	0.998		0.99	
1,2-Dibromo-3-chloropropane (DBCP)	0.1364139	8.5			20	
1,2-Dibromoethane (EDB)	0.2041536	2.5			20	
Dibromomethane	0.1098859	9.0			20	
1,2-Dichlorobenzene	0.9558076	5.3			20	
1,3-Dichlorobenzene	1.022274	10.1			20	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23G2653
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Calibration:	2300846	Instrument:	GCMSVOA7
		Calibration Date:	7/12/2023 5:14:00AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
1,4-Dichlorobenzene	1.018159	7.4			20	
trans-1,4-Dichloro-2-butene	0.2738743	7.8			20	
Dichlorodifluoromethane (Freon 12)	0.3229093	14.9			20	
1,1-Dichloroethane	0.5881858	11.2			20	
1,2-Dichloroethane	0.2868747	3.7			20	
1,1-Dichloroethylene	0.5551736	19.4			20	
cis-1,2-Dichloroethylene	0.5313237	8.6			20	
trans-1,2-Dichloroethylene	0.4578958	12.7			20	
Dichlorofluoromethane (Freon 21)	0.4726465	15.1			20	
1,2-Dichloropropane	0.2284993	5.3			20	
1,3-Dichloropropane	0.317914	4.7			20	
2,2-Dichloropropane	0.4742299	15.3			20	
1,1-Dichloropropene	0.3217646	18.0			20	
cis-1,3-Dichloropropene	0.3684016	4.7			20	
trans-1,3-Dichloropropene	0.3191342	4.0			20	
Diethyl Ether	0.3057232	5.2			20	
Difluorochloromethane (Freon 22)	0.6320801	43.2	0.999		0.99	
Diisopropyl Ether (DIPE)	0.999463	7.5			20	
1,4-Dioxane	2.841731E-03	8.7			20	
Ethyl Acetate	0.3249878	15.0			20	
Ethylbenzene	2.455145	12.9			20	
Hexachlorobutadiene	0.4051908	18.5			20	
2-Hexanone (MBK)	0.1576625	14.5			20	
Iodomethane	0.4859792	13.6			20	
Isopropylbenzene (Cumene)	2.535809	15.0			20	
p-Isopropyltoluene (p-Cymene)	1.860034	15.8			20	
Methyl Acetate	0.3305145	12.4			20	
Methyl tert-Butyl Ether (MTBE)	0.8926565	4.4			20	
Methyl Cyclohexane	0.3504426	14.2			20	
Methylene Chloride	0.4031239	9.5			20	
4-Methyl-2-pentanone (MIBK)	0.2064951	15.4			20	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23G2653
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Calibration:	2300846	Instrument:	GCMSVOA7
		Calibration Date:	7/12/2023 5:14:00AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
Naphthalene	1.931156	3.8			20	
n-Propylbenzene	2.891276	15.2			20	
Styrene	1.739451	6.7			20	
1,1,1,2-Tetrachloroethane	0.5877457	5.3			20	
1,1,2,2-Tetrachloroethane	0.7144844	9.9			20	
Tetrachloroethylene	0.2058066	18.2			20	
Tetrahydrofuran	0.1186702	6.6			20	
Toluene	0.8250477	11.3			20	
1,2,3-Trichlorobenzene	0.7311379	6.1			20	
1,2,4-Trichlorobenzene	0.7880238	7.3			20	
1,3,5-Trichlorobenzene	0.824207	10.4			20	
1,1,1-Trichloroethane	0.4677318	18.6			20	
1,1,2-Trichloroethane	0.1883578	5.7			20	
Trichloroethylene	0.2085854	15.5			20	
Trichlorofluoromethane (Freon 11)	0.4454877	19.3			20	
1,2,3-Trichloropropane	0.8156434	6.1			20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	0.3469077	27.1	0.996		0.99	
1,2,3-Trimethylbenzene	1.846755	9.0			20	
1,2,4-Trimethylbenzene	1.748943	11.0			20	
1,3,5-Trimethylbenzene	2.154432	11.8			20	
Vinyl Chloride	0.3792056	19.5			20	
m+p Xylene	1.906431	13.3			20	
o-Xylene	2.057623	8.7			20	
1,2-Dichloroethane-d4	0.5510526	1.7			20	
Toluene-d8	1.16965	1.9			20	
4-Bromofluorobenzene	1.267653	1.0			20	

INITIAL CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23G2653
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	GCMSVOA3	Calibration:	2200537
Lab File ID:	C22V21926.D	Calibration Date:	08/08/22 10:18
Sequence:	S075427	Injection Date:	08/08/22
Lab Sample ID:	S075427-ICV1	Injection Time:	17:12

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
1,2-Dichlorobenzene	A	10.0	11.2	1.213634	1.365738		12.5	30
1,3-Dichlorobenzene	A	10.0	11.5	1.193097	1.375471		15.3	30
1,4-Dichlorobenzene	A	10.0	10.8	1.270795	1.375361		8.2	30
trans-1,4-Dichloro-2-butene	A	10.0	8.71	0.239735	0.2087198		-12.9	30
Dichlorodifluoromethane (Freon 12)	A	10.0	8.90	0.4341094	0.3863701		-11.0	30
1,1-Dichloroethane	A	10.0	10.9	0.787926	0.8592115		9.0	30
1,2-Dichloroethane	A	10.0	10.9	0.4276246	0.4643172		8.6	30
1,1-Dichloroethylene	A	10.0	10.1	0.6503172	0.657403		1.1	30
cis-1,2-Dichloroethylene	A	10.0	10.9	0.6864345	0.7488539		9.1	30
trans-1,2-Dichloroethylene	A	10.0	10.6	0.6178868	0.6520598		5.5	30
Dichlorofluoromethane (Freon 21)	A	10.0	10.6	0.8403159	0.8890417		5.8	30
1,2-Dichloropropane	A	10.0	11.2	0.306328	0.3432776		12.1	30
1,3-Dichloropropane	A	10.0	11.0	0.4974963	0.5494466		10.4	30
2,2-Dichloropropane	A	10.0	10.4	0.6088295	0.6327737		3.9	30
1,1-Dichloropropene	A	10.0	10.7	0.5473735	0.5846217		6.8	30
cis-1,3-Dichloropropene	A	10.0	11.1	0.4734604	0.5268136		11.3	30
trans-1,3-Dichloropropene	A	10.0	11.9	0.4080538	0.4873977		19.4	30
Diethyl Ether	A	10.0	12.0	0.3713617	0.4453508		19.9	30
Difluorochloromethane (Freon 22)	A	10.0	8.17	0.5720824	0.4675772		-18.3	30
Diisopropyl Ether (DIPE)	A	10.0	11.5	1.558552	1.793038		15.0	30
1,4-Dioxane	A	100	90.1	4.731593E-03	4.264464E-03		-9.9	30
Ethanol	A	100	95.5	1.036708E-02	9.902305E-03		-4.5	30
Ethyl Acetate	A	10.0	9.05	0.6506099	0.5887477		-9.5	30
Ethylbenzene	A	10.0	11.7	2.549064	2.984133		17.1	30
Hexachlorobutadiene	A	10.0	11.4	0.2852952	0.3250553		13.9	30
2-Hexanone (MBK)	A	100	104	0.2843475	0.2957494		4.0	30
Iodomethane	A	10.0	9.09	0.5420061	0.4925385		-9.1	30
Isopropylbenzene (Cumene)	A	10.0	11.3	2.395221	2.706585		13.0	30

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23G2653
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	GCMSVOA7	Calibration:	2300846
Lab File ID:	G22V19318.D	Calibration Date:	07/12/23 05:14
Sequence:	S090340	Injection Date:	07/12/23
Lab Sample ID:	S090340-ICV1	Injection Time:	13:28

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)	
Acetone	A	100	146	0.1393438	0.2036055		46.1	30	*
Acrolein	A	100	136	9.250141E-02	0.1254289		35.6	30	*
Acrylonitrile	A	10.0	9.78	0.132171	0.1293193		-2.2	30	
tert-Amyl Methyl Ether (TAME)	A	10.0	10.0	0.9286366	0.9308125		0.2	30	
Benzene	A	10.0	10.4	1.220011	1.264802		3.7	30	
Bromobenzene	A	10.0	10.2	1.048753	1.066963		1.7	30	
Bromochloromethane	A	10.0	11.0	0.2678868	0.2944728		9.9	30	
Bromodichloromethane	A	10.0	10.3	0.2852591	0.2938116		3.0	30	
Bromoform	A	10.0	11.0	0.4454684	0.4922552		10.5	30	
Bromomethane	A	10.0	9.12	0.1078823	9.841331E-02		-8.8	30	
2-Butanone (MEK)	A	100	111	0.1670244	0.1861408		11.4	30	
tert-Butyl Alcohol (TBA)	A	100	96.2	5.246718E-02	5.045709E-02		-3.8	30	
n-Butylbenzene	A	10.0	11.2	1.735674	1.9523		12.5	30	
sec-Butylbenzene	A	10.0	11.8	2.112068	2.482459		17.5	30	
tert-Butylbenzene	A	10.0	10.8	1.517237	1.638328		8.0	30	
tert-Butyl Ethyl Ether (TBEE)	A	10.0	10.4	1.093651	1.142547		4.5	30	
Carbon Disulfide	A	10.0	13.5	0.6383774	0.8640495		35.4	30	*
Carbon Tetrachloride	A	10.0	10.3	0.3639346	0.3748054		3.0	30	
Chlorobenzene	A	10.0	10.1	1.53432	1.554082		1.3	30	
Chlorodibromomethane	A	10.0	10.1	0.2325216	0.2355075		1.3	30	
Chloroethane	A	10.0	10.0	0.1455703	0.1462845		0.5	30	
Chloroform	A	10.0	10.2	0.5602051	0.5691386		1.6	30	
Chloromethane	A	10.0	10.2	0.4260619	0.4352641		2.2	30	
2-Chlorotoluene	A	10.0	10.8	1.717336	1.854992		8.0	30	
4-Chlorotoluene	A	10.0	10.9	2.099713	2.288703		9.0	30	
Cyclohexane	A	10.0	11.3	0.9130677	0.7857104		13.0	30	
1,2-Dibromo-3-chloropropane (DBCP)	A	10.0	10.2	0.1364139	0.1392516		2.1	30	
1,2-Dibromoethane (EDB)	A	10.0	10.4	0.2041536	0.2125723		4.1	30	
Dibromomethane	A	10.0	9.87	0.1098859	0.1084367		-1.3	30	

INITIAL CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23G2653
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	GCMSVOA7	Calibration:	2300846
Lab File ID:	G22V19318.D	Calibration Date:	07/12/23 05:14
Sequence:	S090340	Injection Date:	07/12/23
Lab Sample ID:	S090340-ICV1	Injection Time:	13:28

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
1,2-Dichlorobenzene	A	10.0	10.5	0.9558076	1.007518		5.4	30
1,3-Dichlorobenzene	A	10.0	10.3	1.022274	1.057021		3.4	30
1,4-Dichlorobenzene	A	10.0	10.2	1.018159	1.04328		2.5	30
trans-1,4-Dichloro-2-butene	A	10.0	9.18	0.2738743	0.2515472		-8.2	30
Dichlorodifluoromethane (Freon 12)	A	10.0	11.8	0.3229093	0.3802628		17.8	30
1,1-Dichloroethane	A	10.0	11.2	0.5881858	0.6588275		12.0	30
1,2-Dichloroethane	A	10.0	10.4	0.2868747	0.2970766		3.6	30
1,1-Dichloroethylene	A	10.0	12.3	0.5551736	0.6808837		22.6	30
cis-1,2-Dichloroethylene	A	10.0	11.4	0.5313237	0.6063636		14.1	30
trans-1,2-Dichloroethylene	A	10.0	11.4	0.4578958	0.522098		14.0	30
Dichlorofluoromethane (Freon 21)	A	10.0	11.4	0.4726465	0.5406217		14.4	30
1,2-Dichloropropane	A	10.0	10.6	0.2284993	0.2433589		6.5	30
1,3-Dichloropropane	A	10.0	10.1	0.317914	0.3208664		0.9	30
2,2-Dichloropropane	A	10.0	11.1	0.4742299	0.5269773		11.1	30
1,1-Dichloropropene	A	10.0	11.3	0.3217646	0.3637879		13.1	30
cis-1,3-Dichloropropene	A	10.0	10.0	0.3684016	0.369892		0.4	30
trans-1,3-Dichloropropene	A	10.0	10.8	0.3191342	0.3434214		7.6	30
Diethyl Ether	A	10.0	9.04	0.3057232	0.2764067		-9.6	30
Difluorochloromethane (Freon 22)	L	10.0	8.85	0.6320801	0.5537353		-11.5	30
Diisopropyl Ether (DIPE)	A	10.0	11.2	0.999463	1.114114		11.5	30
1,4-Dioxane	A	100	95.0	2.841731E-03	2.700514E-03		-5.0	30
Ethyl Acetate	A	10.0	8.39	0.3249878	0.2726137		-16.1	30
Ethylbenzene	A	10.0	11.2	2.455145	2.752953		12.1	30
Hexachlorobutadiene	A	10.0	11.8	0.4051908	0.4795411		18.3	30
2-Hexanone (MBK)	A	100	112	0.1576625	0.1764304		11.9	30
Iodomethane	A	10.0	12.4	0.4859792	0.601183		23.7	30
Isopropylbenzene (Cumene)	A	10.0	11.2	2.535809	2.83928		12.0	30
p-Isopropyltoluene (p-Cymene)	A	10.0	11.4	1.860034	2.12941		14.5	30

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23G2653
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	GCMSVOA7	Calibration:	2300846
Lab File ID:	G22V19318.D	Calibration Date:	07/12/23 05:14
Sequence:	S090340	Injection Date:	07/12/23
Lab Sample ID:	S090340-ICV1	Injection Time:	13:28

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Methyl Acetate	A	10.0	10.0	0.3305145	0.3305855		0.02	30
Methyl tert-Butyl Ether (MTBE)	A	10.0	9.64	0.8926565	0.8605187		-3.6	30
Methyl Cyclohexane	A	10.0	11.8	0.3504426	0.4127162		17.8	30
Methylene Chloride	A	10.0	10.0	0.4031239	0.404573		0.4	30
4-Methyl-2-pentanone (MIBK)	A	100	110	0.2064951	0.2270455		10.0	30
Naphthalene	A	10.0	10.6	1.931156	2.04913		6.1	30
n-Propylbenzene	A	10.0	11.4	2.891276	3.308349		14.4	30
Styrene	A	10.0	10.6	1.739451	1.848116		6.2	30
1,1,1,2-Tetrachloroethane	A	10.0	10.4	0.5877457	0.6114952		4.0	30
1,1,2,2-Tetrachloroethane	A	10.0	11.0	0.7144844	0.7882745		10.3	30
Tetrachloroethylene	A	10.0	11.8	0.2058066	0.2428889		18.0	30
Tetrahydrofuran	A	10.0	9.99	0.1186702	0.1186015		-0.06	30
Toluene	A	10.0	11.3	0.8250477	0.9352413		13.4	30
1,2,3-Trichlorobenzene	A	10.0	10.6	0.7311379	0.7757497		6.1	30
1,2,4-Trichlorobenzene	A	10.0	10.6	0.7880238	0.836168		6.1	30
1,3,5-Trichlorobenzene	A	10.0	11.0	0.824207	0.9105139		10.5	30
1,1,1-Trichloroethane	A	10.0	11.3	0.4677318	0.5305944		13.4	30
1,1,2-Trichloroethane	A	10.0	10.2	0.1883578	0.1926369		2.3	30
Trichloroethylene	A	10.0	11.2	0.2085854	0.2338248		12.1	30
Trichlorofluoromethane (Freon 11)	A	10.0	12.0	0.4454877	0.5332279		19.7	30
1,2,3-Trichloropropane	A	10.0	9.94	0.8156434	0.8107115		-0.6	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	10.0	10.1	0.3469077	0.4270526		1.4	30
1,2,3-Trimethylbenzene	A	10.0	10.1	1.846755	1.857797		0.6	30
1,2,4-Trimethylbenzene	A	10.0	10.5	1.748943	1.839661		5.2	30
1,3,5-Trimethylbenzene	A	10.0	11.1	2.154432	2.383084		10.6	30
Vinyl Chloride	A	10.0	10.1	0.3792056	0.3830852		1.0	30
m+p Xylene	A	20.0	22.6	1.906431	2.156504		13.1	30
o-Xylene	A	10.0	11.0	2.057623	2.254054		9.5	30
1,2-Dichloroethane-d4	A	25.0	24.8	0.5510526	0.5455023		-1.0	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23G2653
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	GCMSVOA7	Calibration:	2300846
Lab File ID:	G22V20203.D	Calibration Date:	07/12/23 05:14
Sequence:	S090899	Injection Date:	07/21/23
Lab Sample ID:	S090899-CCV1	Injection Time:	04:32

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	100	110	0.1393438	0.1527683		9.6	20
Benzene	A	10.0	9.23	1.220011	1.12645		-7.7	20
Bromochloromethane	A	10.0	10.2	0.2678868	0.27182		1.5	20
Bromodichloromethane	A	10.0	9.63	0.2852591	0.2747496		-3.7	20
Bromoform	A	10.0	9.13	0.4454684	0.406629		-8.7	20
Bromomethane	A	10.0	11.8	0.1078823	0.1276838		18.4	20
2-Butanone (MEK)	A	100	105	0.1670244	0.1753252		5.0	20
Carbon Disulfide	A	100	101	0.6383774	0.6470692		1.4	20
Carbon Tetrachloride	A	10.0	8.14	0.3639346	0.2963535		-18.6	20
Chlorobenzene	A	10.0	8.99	1.53432	1.378781		-10.1	20
Chlorodibromomethane	A	10.0	9.35	0.2325216	0.2173723		-6.5	20
Chloroethane	A	10.0	11.7	0.1455703	0.1703337		17.0	20
Chloroform	A	10.0	9.68	0.5602051	0.5420765		-3.2	20
Chloromethane	A	10.0	11.0	0.4260619	0.4706597		10.5	20
Cyclohexane	L	10.0	8.44	0.9130677	0.6038026		-15.6	20
1,2-Dibromo-3-chloropropane (DBCP)	A	10.0	8.02	0.1364139	0.1093859		-19.8	20
1,2-Dibromoethane (EDB)	A	10.0	9.45	0.2041536	0.1929842		-5.5	20
1,2-Dichlorobenzene	A	10.0	8.56	0.9558076	0.8185392		-14.4	20
1,3-Dichlorobenzene	A	10.0	8.16	1.022274	0.8340763		-18.4	20
1,4-Dichlorobenzene	A	10.0	8.51	1.018159	0.8662647		-14.9	20
Dichlorodifluoromethane (Freon 12)	A	10.0	8.26	0.3229093	0.266637		-17.4	20
1,1-Dichloroethane	A	10.0	9.41	0.5881858	0.553663		-5.9	20
1,2-Dichloroethane	A	10.0	10.3	0.2868747	0.2954795		3.0	20
1,1-Dichloroethylene	A	10.0	11.1	0.5551736	0.6161325		11.0	20
cis-1,2-Dichloroethylene	A	10.0	9.82	0.5313237	0.5219467		-1.8	20
trans-1,2-Dichloroethylene	A	10.0	9.74	0.4578958	0.4458636		-2.6	20
1,2-Dichloropropane	A	10.0	9.36	0.2284993	0.2139072		-6.4	20
cis-1,3-Dichloropropene	A	10.0	8.99	0.3684016	0.3310509		-10.1	20
trans-1,3-Dichloropropene	A	10.0	8.88	0.3191342	0.2835403		-11.2	20

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23G2653
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	GCMSVOA7	Calibration:	2300846
Lab File ID:	G22V20203.D	Calibration Date:	07/12/23 05:14
Sequence:	S090899	Injection Date:	07/21/23
Lab Sample ID:	S090899-CCV1	Injection Time:	04:32

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,4-Dioxane	A	100	95.2	2.841731E-03	2.705981E-03		-4.8	20
Ethylbenzene	A	10.0	9.32	2.455145	2.288405		-6.8	20
2-Hexanone (MBK)	A	100	114	0.1576625	0.1796435		13.9	20
Isopropylbenzene (Cumene)	A	10.0	9.45	2.535809	2.396302		-5.5	20
Methyl Acetate	A	10.0	9.80	0.3305145	0.323944		-2.0	20
Methyl tert-Butyl Ether (MTBE)	A	10.0	8.98	0.8926565	0.8014592		-10.2	20
Methyl Cyclohexane	A	10.0	8.82	0.3504426	0.3089978		-11.8	20
Methylene Chloride	A	10.0	9.55	0.4031239	0.3850223		-4.5	20
4-Methyl-2-pentanone (MIBK)	A	100	115	0.2064951	0.2380784		15.3	20
Styrene	A	10.0	8.91	1.739451	1.549976		-10.9	20
1,1,2,2-Tetrachloroethane	A	10.0	9.67	0.7144844	0.6910964		-3.3	20
Tetrachloroethylene	A	10.0	10.0	0.2058066	0.2059463		0.07	20
Toluene	A	10.0	9.40	0.8250477	0.7757063		-6.0	20
1,2,3-Trichlorobenzene	A	10.0	8.37	0.7311379	0.6120575		-16.3	20
1,2,4-Trichlorobenzene	A	10.0	8.16	0.7880238	0.6434036		-18.4	20
1,1,1-Trichloroethane	A	10.0	10.1	0.4677318	0.4729579		1.1	20
1,1,2-Trichloroethane	A	10.0	9.34	0.1883578	0.1758838		-6.6	20
Trichloroethylene	A	10.0	9.21	0.2085854	0.1921852		-7.9	20
Trichlorofluoromethane (Freon 11)	A	10.0	12.0	0.4454877	0.5338282		19.8	20
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	L	10.0	10.3	0.3469077	0.3766256		2.7	20
Vinyl Chloride	A	10.0	10.9	0.3792056	0.4130714		8.9	20
m+p Xylene	A	20.0	19.2	1.906431	1.832103		-3.9	20
o-Xylene	A	10.0	9.36	2.057623	1.926298		-6.4	20
1,2-Dichloroethane-d4	A	25.0	26.1	0.5510526	0.5747115		4.3	
Toluene-d8	A	25.0	24.5	1.16965	1.1449		-2.1	
4-Bromofluorobenzene	A	25.0	23.4	1.267653	1.186107		-6.4	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23G2653
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	GCMSVOA3	Calibration:	2200537
Lab File ID:	C22V20731.D	Calibration Date:	08/08/22 10:18
Sequence:	S091206	Injection Date:	07/26/23
Lab Sample ID:	S091206-CCV1	Injection Time:	23:14

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetone	A	100	100	0.1820924	0.1821702		0.04	20	
Benzene	A	10.0	11.4	1.667645	1.905041		14.2	20	
Bromochloromethane	A	10.0	12.3	0.3793018	0.4662912		22.9	20	*
Bromodichloromethane	A	10.0	10.6	0.3940258	0.4193494		6.4	20	
Bromoform	A	10.0	8.98	0.5234936	0.4702775		-10.2	20	
Bromomethane	A	10.0	12.5	0.3079598	0.3859612		25.3	20	*
2-Butanone (MEK)	A	100	114	0.2634095	0.3011932		14.3	20	
Carbon Disulfide	A	100	98.8	1.250483	1.235623		-1.2	20	
Carbon Tetrachloride	A	10.0	8.63	0.528229	0.4557528		-13.7	20	
Chlorobenzene	A	10.0	11.6	1.57638	1.827772		15.9	20	
Chlorodibromomethane	A	10.0	10.3	0.3363907	0.3449743		2.6	20	
Chloroethane	A	10.0	9.81	0.3601205	0.3531731		-1.9	20	
Chloroform	A	10.0	11.0	0.7591359	0.8340822		9.9	20	
Chloromethane	A	10.0	10.5	0.7095398	0.7458314		5.1	20	
Cyclohexane	A	10.0	10.2	0.7080121	0.721695		1.9	20	
1,2-Dibromo-3-chloropropane (DBCP)	A	10.0	8.65	0.1649304	0.1426717		-13.5	20	
1,2-Dibromoethane (EDB)	A	10.0	11.1	0.299296	0.3333729		11.4	20	
1,2-Dichlorobenzene	A	10.0	10.9	1.213634	1.318309		8.6	20	
1,3-Dichlorobenzene	A	10.0	11.0	1.193097	1.307416		9.6	20	
1,4-Dichlorobenzene	A	10.0	10.7	1.270795	1.362311		7.2	20	
Dichlorodifluoromethane (Freon 12)	A	10.0	9.84	0.4341094	0.4270271		-1.6	20	
1,1-Dichloroethane	A	10.0	10.7	0.787926	0.8446886		7.2	20	
1,2-Dichloroethane	A	10.0	10.2	0.4276246	0.4340981		1.5	20	
1,1-Dichloroethylene	A	10.0	9.65	0.6503172	0.6272571		-3.5	20	
cis-1,2-Dichloroethylene	A	10.0	10.5	0.6864345	0.7183975		4.7	20	
trans-1,2-Dichloroethylene	A	10.0	9.80	0.6178868	0.6057213		-2.0	20	
1,2-Dichloropropane	A	10.0	11.8	0.306328	0.3623993		18.3	20	
cis-1,3-Dichloropropene	A	10.0	10.5	0.4734604	0.496309		4.8	20	
trans-1,3-Dichloropropene	A	10.0	10.3	0.4080538	0.4214974		3.3	20	

CONTINUING CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23G2653
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	GCMSVOA3	Calibration:	2200537
Lab File ID:	C22V20731.D	Calibration Date:	08/08/22 10:18
Sequence:	S091206	Injection Date:	07/26/23
Lab Sample ID:	S091206-CCV1	Injection Time:	23:14

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,4-Dioxane	A	100	92.2	4.731593E-03	4.361427E-03		-7.8	20
Ethylbenzene	A	10.0	10.6	2.549064	2.68884		5.5	20
2-Hexanone (MBK)	A	100	105	0.2843475	0.297937		4.8	20
Isopropylbenzene (Cumene)	A	10.0	9.91	2.395221	2.373671		-0.9	20
Methyl Acetate	A	10.0	8.86	0.7088624	0.627852		-11.4	20
Methyl tert-Butyl Ether (MTBE)	A	10.0	9.81	1.412808	1.386364		-1.9	20
Methyl Cyclohexane	A	10.0	10.7	0.3308172	0.3547837		7.2	20
Methylene Chloride	A	10.0	9.95	0.6427786	0.6394273		-0.5	20
4-Methyl-2-pentanone (MIBK)	A	100	102	0.4112112	0.4188704		1.9	20
Styrene	A	10.0	10.0	1.683114	1.687543		0.3	20
1,1,2,2-Tetrachloroethane	A	10.0	9.91	0.9177436	0.9090995		-0.9	20
Tetrachloroethylene	A	10.0	11.4	0.2808079	0.3205999		14.2	20
Toluene	A	10.0	11.1	1.195157	1.328598		11.2	20
1,2,3-Trichlorobenzene	A	10.0	9.78	0.6638408	0.6494504		-2.2	20
1,2,4-Trichlorobenzene	A	10.0	9.54	0.6791191	0.6481143		-4.6	20
1,1,1-Trichloroethane	A	10.0	10.3	0.6322124	0.6497448		2.8	20
1,1,2-Trichloroethane	A	10.0	11.2	0.2797054	0.3142594		12.4	20
Trichloroethylene	A	10.0	11.7	0.2768359	0.3227823		16.6	20
Trichlorofluoromethane (Freon 11)	A	10.0	9.77	0.6391431	0.6243506		-2.3	20
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	10.0	10.5	0.377547	0.3951059		4.7	20
1,2,4-Trimethylbenzene	A	10.0	9.76	1.974771	1.928151		-2.4	20
1,3,5-Trimethylbenzene	A	10.0	10.4	1.963624	2.05256		4.5	20
Vinyl Chloride	A	10.0	11.4	0.5221577	0.5955569		14.1	20
m+p Xylene	A	20.0	20.7	1.99021	2.057299		3.4	20
o-Xylene	A	10.0	9.82	2.094658	2.055955		-1.8	20
1,2-Dichloroethane-d4	A	25.0	23.7	0.5629535	0.5335705		-5.2	
Toluene-d8	A	25.0	25.8	1.188132	1.225353		3.1	
4-Bromofluorobenzene	A	25.0	23.3	0.8894447	0.8283902		-6.9	

2 - FORM II

SYSTEM MONITORING COMPOUND SUMMARY

SW-846 8270E

Laboratory:	Pace New England	SDG:	23G2653
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Water	Instrument:	GCMSSV4

	2,4,6-TBP (15% - 110%)	2-FlBiphenyl (30% - 130%)	2-Flphenol (15% - 110%)	Nitrobenz-d5 (30% - 130%)	Phenol-d6 (15% - 110%)	Terphnyl-d14 (30% - 130%)
23G2653-03	31.9	9.05*	7.61*	8.79*	9.76*	62.1
B346796-BLK1	69.5	47.0	37.2	58.2	28.6	72.4
B346796-BS1	72.2	55.9	52.2	59.1	47.6	69.4
B346796-BSD1	59.9	49.9	41.4	56.0	32.1	61.6

2 - FORM II

SYSTEM MONITORING COMPOUND SUMMARY

SW-846 8270E

Laboratory:	Pace New England	SDG:	23G2653
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Water	Instrument:	GCMSSV9

	2,4,6-TBP (15% - 110%)	2-FlBiphenyl (30% - 130%)	2-Flphenol (15% - 110%)	Nitrobenz-d5 (30% - 130%)	Phenol-d6 (15% - 110%)	Terphnyl-d14 (30% - 130%)
23G2653-04	46.7	46.1	35.4	44.6	24.0	52.4
B347940-BLK1	16.1	84.6	7.44*	81.6	22.1	95.6
B347940-BS1	95.0	77.9	63.8	81.0	45.8	87.0
B347940-BSD1	94.8	80.0	64.1	80.2	45.4	86.5

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	23G2653
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B346796	Laboratory ID:	B346796-BS1
Column:		Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.		QC LIMITS REC.
Atrazine	50.0	36.8	73.7		40 - 140
Benzaldehyde	50.0	16.6	33.3	*	40 - 140
Biphenyl	50.0	28.4	56.8		40 - 140
Caprolactam	50.0	12.6	25.2	*	40 - 140
Acenaphthene	50.0	29.4	58.9		40 - 140
Acenaphthylene	50.0	30.6	61.2		40 - 140
Acetophenone	50.0	28.7	57.5		40 - 140
Anthracene	50.0	32.2	64.5		40 - 140
Benzo(a)anthracene	50.0	33.1	66.2		40 - 140
Benzo(a)pyrene	50.0	31.5	63.0		40 - 140
Benzo(b)fluoranthene	50.0	33.0	66.0		40 - 140
Benzo(g,h,i)perylene	50.0	34.9	69.7		40 - 140
Benzo(k)fluoranthene	50.0	33.6	67.1		40 - 140
Bis(2-chloroethoxy)methane	50.0	30.9	61.7		40 - 140
Bis(2-chloroethyl)ether	50.0	28.3	56.7		40 - 140
Bis(2-chloroisopropyl)ether	50.0	29.6	59.1		40 - 140
Bis(2-Ethylhexyl)phthalate	50.0	36.5	73.0		40 - 140
4-Bromophenylphenylether	50.0	30.5	61.1		40 - 140
Butylbenzylphthalate	50.0	36.2	72.3		40 - 140
Carbazole	50.0	32.4	64.8		40 - 140
4-Chloroaniline	50.0	14.1	28.2	*	40 - 140
4-Chloro-3-methylphenol	50.0	32.6	65.3		30 - 130
2-Chloronaphthalene	50.0	25.8	51.6		40 - 140
2-Chlorophenol	50.0	28.6	57.1		30 - 130
4-Chlorophenylphenylether	50.0	30.4	60.9		40 - 140
Chrysene	50.0	32.4	64.8		40 - 140
Dibenz(a,h)anthracene	50.0	34.7	69.4		40 - 140
Dibenzofuran	50.0	31.2	62.4		40 - 140
Di-n-butylphthalate	50.0	34.9	69.7		40 - 140
3,3-Dichlorobenzidine	50.0	39.2	78.3		40 - 140
2,4-Dichlorophenol	50.0	30.3	60.5		30 - 130
Diethylphthalate	50.0	32.0	63.9		40 - 140
2,4-Dimethylphenol	50.0	25.0	50.0		30 - 130
Dimethylphthalate	50.0	32.4	64.7		40 - 140
4,6-Dinitro-2-methylphenol	50.0	38.5	77.0		30 - 130
2,4-Dinitrophenol	50.0	37.1	74.1		30 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	23G2653
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B346796	Laboratory ID:	B346796-BS1
Column:		Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.		QC LIMITS REC.
2,4-Dinitrotoluene	50.0	34.9	69.8		40 - 140
2,6-Dinitrotoluene	50.0	37.4	74.9		40 - 140
Di-n-octylphthalate	50.0	33.5	67.0		40 - 140
Fluoranthene	50.0	33.4	66.7		40 - 140
Fluorene	50.0	30.8	61.6		40 - 140
Hexachlorobenzene	50.0	31.8	63.6		40 - 140
Hexachlorobutadiene	50.0	18.9	37.9	*	40 - 140
Hexachlorocyclopentadiene	50.0	18.8	37.5		30 - 140
Hexachloroethane	50.0	17.4	34.8	*	40 - 140
Indeno(1,2,3-cd)pyrene	50.0	34.8	69.6		40 - 140
Isophorone	50.0	32.0	64.0		40 - 140
2-Methylnaphthalene	50.0	25.6	51.2		40 - 140
2-Methylphenol	50.0	32.4	64.9		30 - 130
3/4-Methylphenol	50.0	33.6	67.3		30 - 130
Naphthalene	50.0	24.2	48.4		40 - 140
2-Nitroaniline	50.0	35.2	70.4		40 - 140
3-Nitroaniline	50.0	40.0	79.9		40 - 140
4-Nitroaniline	50.0	36.6	73.2		40 - 140
Nitrobenzene	50.0	29.2	58.4		40 - 140
2-Nitrophenol	50.0	30.9	61.8		30 - 130
4-Nitrophenol	50.0	28.7	57.3		10 - 130
N-Nitrosodiphenylamine/Diphenylamine	50.0	35.0	70.0		40 - 140
N-Nitrosodi-n-propylamine	50.0	29.9	59.8		40 - 140
Pentachlorophenol	50.0	32.6	65.1		30 - 130
Phenanthrene	50.0	32.0	63.9		40 - 140
Phenol	50.0	24.0	48.0		20 - 130
Pyrene	50.0	34.0	67.9		40 - 140
1,2,4,5-Tetrachlorobenzene	50.0	25.8	51.6		40 - 140
2,4,5-Trichlorophenol	50.0	33.1	66.2		30 - 130
2,4,6-Trichlorophenol	50.0	31.5	63.0		30 - 130

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
Atrazine	50.0	34.9	69.8		5.44	20	40 - 140
Benzaldehyde	50.0	16.7	33.4	*	0.420	20	40 - 140

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	23G2653
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B346796	Laboratory ID:	B346796-BSD1
Column:		Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
Biphenyl	50.0	26.3	52.5		7.76	20	40 - 140
Caprolactam	50.0	13.8	27.5	*	8.79	20	40 - 140
Acenaphthene	50.0	27.0	54.1		8.46	20	40 - 140
Acenaphthylene	50.0	28.2	56.5		7.99	20	40 - 140
Acetophenone	50.0	28.5	56.9		0.909	20	40 - 140
Anthracene	50.0	29.4	58.7		9.32	20	40 - 140
Benzo(a)anthracene	50.0	29.3	58.6		12.2	20	40 - 140
Benzo(a)pyrene	50.0	27.9	55.8		12.1	20	40 - 140
Benzo(b)fluoranthene	50.0	29.3	58.7		11.7	20	40 - 140
Benzo(g,h,i)perylene	50.0	31.2	62.3		11.3	20	40 - 140
Benzo(k)fluoranthene	50.0	30.2	60.5		10.4	20	40 - 140
Bis(2-chloroethoxy)methane	50.0	30.4	60.9		1.37	20	40 - 140
Bis(2-chloroethyl)ether	50.0	28.8	57.7		1.75	20	40 - 140
Bis(2-chloroisopropyl)ether	50.0	30.5	61.0		3.20	20	40 - 140
Bis(2-Ethylhexyl)phthalate	50.0	32.9	65.9		10.3	20	40 - 140
4-Bromophenylphenylether	50.0	27.6	55.2		10.1	20	40 - 140
Butylbenzylphthalate	50.0	33.2	66.3		8.60	20	40 - 140
Carbazole	50.0	29.9	59.8		8.02	20	40 - 140
4-Chloroaniline	50.0	38.0	76.1		91.8	* 20	40 - 140
4-Chloro-3-methylphenol	50.0	31.3	62.6		4.19	20	30 - 130
2-Chloronaphthalene	50.0	21.9	43.8		16.2	20	40 - 140
2-Chlorophenol	50.0	28.6	57.1		0.0700	20	30 - 130
4-Chlorophenylphenylether	50.0	27.3	54.6		10.9	20	40 - 140
Chrysene	50.0	29.1	58.2		10.7	20	40 - 140
Dibenz(a,h)anthracene	50.0	30.6	61.2		12.5	20	40 - 140
Dibenzofuran	50.0	28.3	56.6		9.82	20	40 - 140
Di-n-butylphthalate	50.0	31.5	63.1		10.1	20	40 - 140
3,3-Dichlorobenzidine	50.0	37.9	75.7		3.40	20	40 - 140
2,4-Dichlorophenol	50.0	28.7	57.3		5.46	20	30 - 130
Diethylphthalate	50.0	29.6	59.2		7.60	20	40 - 140
2,4-Dimethylphenol	50.0	24.8	49.5		0.884	20	30 - 130
Dimethylphthalate	50.0	30.3	60.6		6.57	50	40 - 140
4,6-Dinitro-2-methylphenol	50.0	34.6	69.1		10.8	50	30 - 130
2,4-Dinitrophenol	50.0	34.0	67.9		8.76	50	30 - 130
2,4-Dinitrotoluene	50.0	32.7	65.4		6.51	20	40 - 140
2,6-Dinitrotoluene	50.0	34.0	68.0		9.60	20	40 - 140

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	23G2653
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B346796	Laboratory ID:	B346796-BSD1
Column:		Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #		% RPD #		QC LIMITS RPD	QC LIMITS REC.
Di-n-octylphthalate	50.0	29.6	59.1		12.4		20	40 - 140
Fluoranthene	50.0	30.0	59.9		10.7		20	40 - 140
Fluorene	50.0	28.1	56.2		9.24		20	40 - 140
Hexachlorobenzene	50.0	28.2	56.4		12.0		20	40 - 140
Hexachlorobutadiene	50.0	18.2	36.4	*	3.99		20	40 - 140
Hexachlorocyclopentadiene	50.0	16.7	33.4		11.6		50	30 - 140
Hexachloroethane	50.0	17.8	35.6	*	2.10		50	40 - 140
Indeno(1,2,3-cd)pyrene	50.0	30.9	61.8		11.9		50	40 - 140
Isophorone	50.0	30.9	61.8		3.43		20	40 - 140
2-Methylnaphthalene	50.0	23.9	47.9		6.67		20	40 - 140
2-Methylphenol	50.0	30.9	61.7		4.96		20	30 - 130
3/4-Methylphenol	50.0	30.4	60.9		9.96		20	30 - 130
Naphthalene	50.0	23.4	46.7		3.49		20	40 - 140
2-Nitroaniline	50.0	34.7	69.4		1.40		20	40 - 140
3-Nitroaniline	50.0	44.4	88.7		10.4		20	40 - 140
4-Nitroaniline	50.0	37.0	74.1		1.25		20	40 - 140
Nitrobenzene	50.0	29.0	57.9		0.791		20	40 - 140
2-Nitrophenol	50.0	30.0	60.1		2.85		20	30 - 130
4-Nitrophenol	50.0	20.2	40.3		34.9		50	10 - 130
N-Nitrosodiphenylamine/Diphenylamine	50.0	32.2	64.3		8.40		20	40 - 140
N-Nitrosodi-n-propylamine	50.0	29.7	59.4		0.705		20	40 - 140
Pentachlorophenol	50.0	28.5	57.0		13.3		50	30 - 130
Phenanthrene	50.0	29.2	58.4		9.03		20	40 - 140
Phenol	50.0	17.1	34.2		33.4	*	20	20 - 130
Pyrene	50.0	30.2	60.3		11.9		20	40 - 140
1,2,4,5-Tetrachlorobenzene	50.0	24.0	48.0		7.19		20	40 - 140
2,4,5-Trichlorophenol	50.0	30.1	60.2		9.43		20	30 - 130
2,4,6-Trichlorophenol	50.0	28.9	57.8		8.64		50	30 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	23G2653
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Soil	Preparation:	SW-846 3546
Batch:	B347635	Laboratory ID:	B347635-BS1
Column:		Initial/Final:	30.2 g / 1 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.		QC LIMITS REC.
2,4-Dinitrotoluene	1.66	1.28	77.1		40 - 140
2,6-Dinitrotoluene	1.66	1.31	79.3		40 - 140
Di-n-octylphthalate	1.66	1.52	91.6		40 - 140
Fluoranthene	1.66	1.29	77.7		40 - 140
Fluorene	1.66	1.13	68.1		40 - 140
Hexachlorobenzene	1.66	1.32	79.7		40 - 140
Hexachlorobutadiene	1.66	1.07	64.5		40 - 140
Hexachlorocyclopentadiene	1.66	0.514	31.0	*	40 - 140
Hexachloroethane	1.66	0.960	58.0		40 - 140
Indeno(1,2,3-cd)pyrene	1.66	1.42	85.5		40 - 140
Isophorone	1.66	1.02	61.5		40 - 140
2-Methylnaphthalene	1.66	1.16	70.1		40 - 140
2-Methylphenol	1.66	1.02	61.4		30 - 130
3/4-Methylphenol	1.66	1.09	65.6		30 - 130
Naphthalene	1.66	1.44	87.1		40 - 140
2-Nitroaniline	1.66	0.944	57.0		40 - 140
3-Nitroaniline	1.66	0.995	60.1		30 - 140
4-Nitroaniline	1.66	0.966	58.4		40 - 140
Nitrobenzene	1.66	0.950	57.4		40 - 140
2-Nitrophenol	1.66	1.19	71.7		30 - 130
4-Nitrophenol	1.66	1.09	66.0		30 - 130
N-Nitrosodiphenylamine/Diphenylamine	1.66	1.24	74.9		40 - 140
N-Nitrosodi-n-propylamine	1.66	0.936	56.6		40 - 140
Pentachlorophenol	1.66	0.944	57.0		30 - 130
Phenanthrene	1.66	1.27	76.6		40 - 140
Phenol	1.66	0.999	60.3		30 - 130
Pyrene	1.66	1.14	68.9		40 - 140
1,2,4,5-Tetrachlorobenzene	1.66	1.25	75.8		40 - 140
2,4,5-Trichlorophenol	1.66	1.10	66.7		30 - 130
2,4,6-Trichlorophenol	1.66	1.10	66.6		30 - 130

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Atrazine	1.64	1.62	98.4	7.46	30	40 - 140
Benzaldehyde	1.64	0.856	52.0	3.05	20	40 - 140

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	23G2653
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Soil	Preparation:	SW-846 3546
Batch:	B347635	Laboratory ID:	B347635-BSD1
Column:		Initial/Final:	30.4 g / 1 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
Di-n-octylphthalate	1.64	1.56	95.0		2.96	30	40 - 140
Fluoranthene	1.64	1.37	83.0		5.93	30	40 - 140
Fluorene	1.64	1.20	72.8		6.07	30	40 - 140
Hexachlorobenzene	1.64	1.43	86.9		8.08	30	40 - 140
Hexachlorobutadiene	1.64	1.08	65.7		1.12	30	40 - 140
Hexachlorocyclopentadiene	1.64	0.505	30.7	*	1.63	30	40 - 140
Hexachloroethane	1.64	0.952	57.9		0.833	30	40 - 140
Indeno(1,2,3-cd)pyrene	1.64	1.45	88.1		2.29	30	40 - 140
Isophorone	1.64	1.06	64.4		3.92	30	40 - 140
2-Methylnaphthalene	1.64	1.19	72.6		2.82	30	40 - 140
2-Methylphenol	1.64	1.06	64.6		4.42	30	30 - 130
3/4-Methylphenol	1.64	1.17	71.0		7.21	30	30 - 130
Naphthalene	1.64	1.21	73.4		17.6	30	40 - 140
2-Nitroaniline	1.64	1.02	61.9		7.51	30	40 - 140
3-Nitroaniline	1.64	1.07	65.3		7.66	30	30 - 140
4-Nitroaniline	1.64	1.05	63.9		8.34	30	40 - 140
Nitrobenzene	1.64	0.946	57.5		0.486	30	40 - 140
2-Nitrophenol	1.64	1.21	73.5		1.85	30	30 - 130
4-Nitrophenol	1.64	1.11	67.5		1.50	50	30 - 130
N-Nitrosodiphenylamine/Diphenylamine	1.64	1.34	81.7		8.08	30	40 - 140
N-Nitrosodi-n-propylamine	1.64	0.931	56.6		0.554	30	40 - 140
Pentachlorophenol	1.64	0.995	60.5		5.26	30	30 - 130
Phenanthrene	1.64	1.32	80.0		3.61	30	40 - 140
Phenol	1.64	1.06	64.5		6.04	30	30 - 130
Pyrene	1.64	1.19	72.6		4.60	30	40 - 140
1,2,4,5-Tetrachlorobenzene	1.64	1.27	76.9		0.859	30	40 - 140
2,4,5-Trichlorophenol	1.64	1.16	70.3		4.57	30	30 - 130
2,4,6-Trichlorophenol	1.64	1.19	72.1		7.27	30	30 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	23G2653
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B347940	Laboratory ID:	B347940-BS1
Column:		Initial/Final:	100 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.		QC LIMITS REC.
Atrazine	100	98.4	98.4		40 - 140
Benzaldehyde	100	65.0	65.0		40 - 140
Biphenyl	100	77.8	77.8		40 - 140
Caprolactam	100	22.5	22.5	*	40 - 140
Acenaphthene	100	76.2	76.2		40 - 140
Acenaphthylene	100	79.6	79.6		40 - 140
Acetophenone	100	83.6	83.6		40 - 140
Anthracene	100	79.7	79.7		40 - 140
Benzo(a)anthracene	100	79.1	79.1		40 - 140
Benzo(a)pyrene	100	80.5	80.5		40 - 140
Benzo(b)fluoranthene	100	81.3	81.3		40 - 140
Benzo(g,h,i)perylene	100	79.8	79.8		40 - 140
Benzo(k)fluoranthene	100	85.4	85.4		40 - 140
Bis(2-chloroethoxy)methane	100	78.7	78.7		40 - 140
Bis(2-chloroethyl)ether	100	76.4	76.4		40 - 140
Bis(2-chloroisopropyl)ether	100	80.5	80.5		40 - 140
Bis(2-Ethylhexyl)phthalate	100	83.5	83.5		40 - 140
4-Bromophenylphenylether	100	78.7	78.7		40 - 140
Butylbenzylphthalate	100	94.1	94.1		40 - 140
Carbazole	100	80.5	80.5		40 - 140
4-Chloroaniline	100	17.7	17.7	*	40 - 140
4-Chloro-3-methylphenol	100	80.4	80.4		30 - 130
2-Chloronaphthalene	100	63.1	63.1		40 - 140
2-Chlorophenol	100	74.1	74.1		30 - 130
4-Chlorophenylphenylether	100	74.1	74.1		40 - 140
Chrysene	100	74.5	74.5		40 - 140
Dibenz(a,h)anthracene	100	82.7	82.7		40 - 140
Dibenzofuran	100	75.0	75.0		40 - 140
Di-n-butylphthalate	100	83.1	83.1		40 - 140
3,3-Dichlorobenzidine	100	82.2	82.2		40 - 140
2,4-Dichlorophenol	100	79.8	79.8		30 - 130
Diethylphthalate	100	75.5	75.5		40 - 140
2,4-Dimethylphenol	100	69.9	69.9		30 - 130
Dimethylphthalate	100	77.7	77.7		40 - 140
4,6-Dinitro-2-methylphenol	100	100	100		30 - 130
2,4-Dinitrophenol	100	92.1	92.1		30 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	23G2653
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B347940	Laboratory ID:	B347940-BS1
Column:		Initial/Final:	100 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.		QC LIMITS REC.
2,4-Dinitrotoluene	100	85.8	85.8		40 - 140
2,6-Dinitrotoluene	100	92.5	92.5		40 - 140
Di-n-octylphthalate	100	83.1	83.1		40 - 140
Fluoranthene	100	81.1	81.1		40 - 140
Fluorene	100	77.1	77.1		40 - 140
Hexachlorobenzene	100	80.4	80.4		40 - 140
Hexachlorobutadiene	100	46.2	46.2		40 - 140
Hexachlorocyclopentadiene	100	53.4	53.4		30 - 140
Hexachloroethane	100	36.0	36.0	*	40 - 140
Indeno(1,2,3-cd)pyrene	100	84.3	84.3		40 - 140
Isophorone	100	83.8	83.8		40 - 140
2-Methylnaphthalene	100	68.2	68.2		40 - 140
2-Methylphenol	100	73.8	73.8		30 - 130
3/4-Methylphenol	100	70.2	70.2		30 - 130
Naphthalene	100	60.5	60.5		40 - 140
2-Nitroaniline	100	75.3	75.3		40 - 140
3-Nitroaniline	100	67.6	67.6		40 - 140
4-Nitroaniline	100	80.5	80.5		40 - 140
Nitrobenzene	100	70.8	70.8		40 - 140
2-Nitrophenol	100	77.2	77.2		30 - 130
4-Nitrophenol	100	43.7	43.7		10 - 130
N-Nitrosodiphenylamine/Diphenylamine	100	80.8	80.8		40 - 140
N-Nitrosodi-n-propylamine	100	78.5	78.5		40 - 140
Pentachlorophenol	100	81.2	81.2		30 - 130
Phenanthrene	100	76.4	76.4		40 - 140
Phenol	100	41.5	41.5		20 - 130
Pyrene	100	77.1	77.1		40 - 140
1,2,4,5-Tetrachlorobenzene	100	74.9	74.9		40 - 140
2,4,5-Trichlorophenol	100	83.1	83.1		30 - 130
2,4,6-Trichlorophenol	100	82.5	82.5		30 - 130

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Atrazine	100	98.8	98.8	0.406	20	40 - 140
Benzaldehyde	100	64.2	64.2	1.13	20	40 - 140

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	23G2653
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B347940	Laboratory ID:	B347940-BSD1
Column:		Initial/Final:	100 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #		% RPD #		QC LIMITS RPD	QC LIMITS REC.
Biphenyl	100	78.6	78.6		0.895		20	40 - 140
Caprolactam	100	20.5	20.5	*	9.15		20	40 - 140
Acenaphthene	100	75.9	75.9		0.434		20	40 - 140
Acenaphthylene	100	80.4	80.4		1.01		20	40 - 140
Acetophenone	100	82.4	82.4		1.54		20	40 - 140
Anthracene	100	80.0	80.0		0.338		20	40 - 140
Benzo(a)anthracene	100	79.3	79.3		0.265		20	40 - 140
Benzo(a)pyrene	100	79.5	79.5		1.25		20	40 - 140
Benzo(b)fluoranthene	100	80.5	80.5		0.927		20	40 - 140
Benzo(g,h,i)perylene	100	79.3	79.3		0.641		20	40 - 140
Benzo(k)fluoranthene	100	85.8	85.8		0.444		20	40 - 140
Bis(2-chloroethoxy)methane	100	78.6	78.6		0.153		20	40 - 140
Bis(2-chloroethyl)ether	100	76.6	76.6		0.288		20	40 - 140
Bis(2-chloroisopropyl)ether	100	81.3	81.3		0.902		20	40 - 140
Bis(2-Ethylhexyl)phthalate	100	83.0	83.0		0.601		20	40 - 140
4-Bromophenylphenylether	100	79.1	79.1		0.494		20	40 - 140
Butylbenzylphthalate	100	92.6	92.6		1.56		20	40 - 140
Carbazole	100	81.6	81.6		1.37		20	40 - 140
4-Chloroaniline	100	11.1	11.1	*	46.4	*	20	40 - 140
4-Chloro-3-methylphenol	100	78.1	78.1		2.93		20	30 - 130
2-Chloronaphthalene	100	65.8	65.8		4.16		20	40 - 140
2-Chlorophenol	100	72.8	72.8		1.74		20	30 - 130
4-Chlorophenylphenylether	100	74.8	74.8		0.953		20	40 - 140
Chrysene	100	74.2	74.2		0.431		20	40 - 140
Dibenz(a,h)anthracene	100	82.3	82.3		0.497		20	40 - 140
Dibenzofuran	100	75.7	75.7		0.942		20	40 - 140
Di-n-butylphthalate	100	82.8	82.8		0.410		20	40 - 140
3,3-Dichlorobenzidine	100	69.3	69.3		17.1		20	40 - 140
2,4-Dichlorophenol	100	77.3	77.3		3.22		20	30 - 130
Diethylphthalate	100	76.1	76.1		0.818		20	40 - 140
2,4-Dimethylphenol	100	69.7	69.7		0.344		20	30 - 130
Dimethylphthalate	100	79.5	79.5		2.26		50	40 - 140
4,6-Dinitro-2-methylphenol	100	97.3	97.3		2.95		50	30 - 130
2,4-Dinitrophenol	100	91.0	91.0		1.27		50	30 - 130
2,4-Dinitrotoluene	100	85.4	85.4		0.467		20	40 - 140
2,6-Dinitrotoluene	100	91.1	91.1		1.47		20	40 - 140

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	23G2653
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B347940	Laboratory ID:	B347940-BSD1
Column:		Initial/Final:	100 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
Di-n-octylphthalate	100	79.2	79.2		4.84	20	40 - 140
Fluoranthene	100	81.4	81.4		0.431	20	40 - 140
Fluorene	100	77.2	77.2		0.181	20	40 - 140
Hexachlorobenzene	100	80.2	80.2		0.286	20	40 - 140
Hexachlorobutadiene	100	45.8	45.8		0.761	20	40 - 140
Hexachlorocyclopentadiene	100	55.5	55.5		3.91	50	30 - 140
Hexachloroethane	100	36.9	36.9	*	2.44	50	40 - 140
Indeno(1,2,3-cd)pyrene	100	83.5	83.5		1.00	50	40 - 140
Isophorone	100	81.9	81.9		2.33	20	40 - 140
2-Methylnaphthalene	100	67.8	67.8		0.471	20	40 - 140
2-Methylphenol	100	72.3	72.3		1.99	20	30 - 130
3/4-Methylphenol	100	69.3	69.3		1.35	20	30 - 130
Naphthalene	100	60.0	60.0		0.780	20	40 - 140
2-Nitroaniline	100	73.6	73.6		2.28	20	40 - 140
3-Nitroaniline	100	55.5	55.5		19.7	20	40 - 140
4-Nitroaniline	100	79.9	79.9		0.736	20	40 - 140
Nitrobenzene	100	70.9	70.9		0.183	20	40 - 140
2-Nitrophenol	100	75.7	75.7		1.96	20	30 - 130
4-Nitrophenol	100	43.6	43.6		0.321	50	10 - 130
N-Nitrosodiphenylamine/Diphenylamine	100	80.1	80.1		0.833	20	40 - 140
N-Nitrosodi-n-propylamine	100	76.2	76.2		2.99	20	40 - 140
Pentachlorophenol	100	81.5	81.5		0.307	50	30 - 130
Phenanthrene	100	76.5	76.5		0.131	20	40 - 140
Phenol	100	40.4	40.4		2.59	20	20 - 130
Pyrene	100	75.5	75.5		2.06	20	40 - 140
1,2,4,5-Tetrachlorobenzene	100	76.4	76.4		1.90	20	40 - 140
2,4,5-Trichlorophenol	100	82.7	82.7		0.495	20	30 - 130
2,4,6-Trichlorophenol	100	82.3	82.3		0.267	50	30 - 130

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8270E

Laboratory:	Pace New England	Work Order:	23G2653
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Calibration:	2300835	Instrument:	GCMSSV9
		Calibration Date:	6/8/2023 1:23:55PM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
Atrazine	0.4113775	11.7			20	
Benzaldehyde	1.123605	9.2			20	
Biphenyl	1.783044	4.2			20	
Caprolactam	8.972941E-02	18.2			20	
Acenaphthene	1.244484	5.0			20	
Acenaphthylene	1.968534	6.9			20	
Acetophenone	2.091298	8.7			20	
Anthracene	1.158403	6.3			20	
Benzo(a)anthracene	1.469768	6.4			20	
Benzo(a)pyrene	1.159473	15.1			20	
Benzo(b)fluoranthene	1.377315	11.3			20	
Benzo(g,h,i)perylene	1.170872	10.1			20	
Benzo(k)fluoranthene	1.27981	8.5			20	
Bis(2-chloroethoxy)methane	0.4627428	3.9			20	
Bis(2-chloroethyl)ether	1.093493	5.8			20	
Bis(2-chloroisopropyl)ether	1.656228	4.2			20	
Bis(2-Ethylhexyl)phthalate	0.7758846	23.9			20	*
4-Bromophenylphenylether	0.2503115	9.0			20	
Butylbenzylphthalate	0.4948783	20.0			20	
Carbazole	1.034838	7.1			20	
4-Chloroaniline	0.452269	9.8			20	
4-Chloro-3-methylphenol	0.320612	12.3			20	
2-Chloronaphthalene	1.634062	5.6			20	
2-Chlorophenol	1.415631	10.9			20	
4-Chlorophenylphenylether	0.8492857	9.8			20	
Chrysene	1.52735	5.8			20	
Dibenz(a,h)anthracene	1.120346	14.4			20	
Dibenzofuran	1.985618	4.4			20	
Di-n-butylphthalate	1.192401	10.4			20	
3,3-Dichlorobenzidine	0.4335088	17.4			20	
2,4-Dichlorophenol	0.3261772	12.7			20	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8270E

Laboratory:	Pace New England	Work Order:	23G2653
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Calibration:	2301084	Instrument:	GCMSSV4
		Calibration Date:	7/25/2023 8:39:22AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
Diethylphthalate	1.415853	5.1			20	
2,4-Dimethylphenol	0.3625293	11.4			20	
Dimethylphthalate	1.427859	4.8			20	
4,6-Dinitro-2-methylphenol	8.026663E-02	36.5			20	*
2,4-Dinitrophenol	0.0997562	43.9			20	*
2,4-Dinitrotoluene	0.3604203	20.9	0.998		0.99	
2,6-Dinitrotoluene	0.2801027	17.2			20	
Di-n-octylphthalate	1.381202	19.5			20	
Fluoranthene	1.226361	8.0			20	
Fluorene	1.429523	7.1			20	
Hexachlorobenzene	0.2651598	4.8			20	
Hexachlorobutadiene	0.2057564	3.7			20	
Hexachlorocyclopentadiene	0.3230031	14.7			20	
Hexachloroethane	0.6082943	4.5			20	
Indeno(1,2,3-cd)pyrene	1.05187	19.9			20	
Isophorone	0.6455927	4.0			20	
2-Methylnaphthalene	0.7307279	4.8			20	
2-Methylphenol	1.262071	5.7			20	
3/4-Methylphenol	1.424123	7.2			20	
Naphthalene	1.079343	6.3			20	
2-Nitroaniline	0.3008206	11.7			20	
3-Nitroaniline	0.3049105	12.5			20	
4-Nitroaniline	0.3391166	10.7			20	
Nitrobenzene	0.3416634	5.9			20	
2-Nitrophenol	0.1667566	16.5			20	
4-Nitrophenol	0.1525805	17.5			20	
N-Nitrosodiphenylamine/Diphenylamine	0.5897147	4.9			20	
N-Nitrosodi-n-propylamine	0.9251862	7.8			20	
Pentachlorophenol	0.1674556	12.9			20	
Phenanthrene	1.112193	5.8			20	
Phenol	1.763905	5.7			20	

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Pace New England	Work Order:	23G2653
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	GCMSSV3	Calibration:	2300262
Lab File ID:	C2302709.D	Calibration Date:	02/22/23 14:02
Sequence:	S083923	Injection Date:	01/27/23
Lab Sample ID:	S083923-ICV1	Injection Time:	16:32

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)	
Atrazine	A	50.0	49.2	0.3676586	0.3614639		-1.7	30	
Benzaldehyde	A	50.0	22.5	1.097155	0.4941498		-55.0	30	*
Biphenyl	A	50.0	50.4	1.643789	1.655947		0.7	30	
Caprolactam	A	50.0	49.9	0.1033754	0.103175		-0.2	30	
Acenaphthene	A	50.0	51.1	1.295546	1.323894		2.2	30	
Acenaphthylene	A	50.0	50.6	1.983951	2.007714		1.2	30	
Acetophenone	A	50.0	48.5	2.128914	2.065526		-3.0	30	
Anthracene	A	50.0	50.8	1.119781	1.138223		1.6	30	
Benzo(a)anthracene	A	50.0	49.5	1.456092	1.440227		-1.1	30	
Benzo(a)pyrene	A	50.0	48.4	1.157029	1.120202		-3.2	30	
Benzo(b)fluoranthene	A	50.0	51.2	1.329656	1.362659		2.5	30	
Benzo(g,h,i)perylene	A	50.0	54.2	1.038094	1.124771		8.3	30	
Benzo(k)fluoranthene	A	50.0	53.9	1.221296	1.316744		7.8	30	
Bis(2-chloroethoxy)methane	A	50.0	49.2	0.4440508	0.436848		-1.6	30	
Bis(2-chloroethyl)ether	A	50.0	49.8	0.9656286	0.9615541		-0.4	30	
Bis(2-chloroisopropyl)ether	A	50.0	56.0	1.407065	1.57506		11.9	30	
Bis(2-Ethylhexyl)phthalate	A	50.0	51.7	0.8610833	0.8904768		3.4	30	
4-Bromophenylphenylether	A	50.0	46.5	0.2284967	0.2125564		-7.0	30	
Butylbenzylphthalate	A	50.0	50.9	0.6593365	0.6708612		1.7	30	
Carbazole	A	50.0	48.5	1.083266	1.049797		-3.1	30	
4-Chloroaniline	A	50.0	29.8	0.4629189	0.2754499		-40.5	30	*
4-Chloro-3-methylphenol	A	50.0	48.3	0.3466088	0.3346719		-3.4	30	
2-Chloronaphthalene	A	50.0	43.9	1.541018	1.353552		-12.2	30	
2-Chlorophenol	A	50.0	48.3	1.590346	1.535836		-3.4	30	
4-Chlorophenylphenylether	A	50.0	48.3	0.8149534	0.78668		-3.5	30	
Chrysene	A	50.0	48.5	1.417415	1.375523		-3.0	30	
Dibenz(a,h)anthracene	A	50.0	54.2	1.013156	1.097473		8.3	30	
Dibenzofuran	A	50.0	49.0	1.966105	1.928683		-1.9	30	
Di-n-butylphthalate	A	50.0	47.4	1.292531	1.224223		-5.3	30	
3,3-Dichlorobenzidine	A	50.0	39.3	0.4325516	0.3397595		-21.5	30	

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Pace New England	Work Order:	23G2653
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	GCMSSV4	Calibration:	2301084
Lab File ID:	D23S206018.D	Calibration Date:	07/25/23 08:39
Sequence:	S093002	Injection Date:	07/25/23
Lab Sample ID:	S093002-ICV1	Injection Time:	16:50

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)	
Atrazine	A	50.0	56.3	0.3581678	0.4032525		12.6	30	
Benzaldehyde	A	50.0	28.5	1.048258	0.5967243		-43.1	30	*
Biphenyl	A	50.0	50.6	1.645682	1.665992		1.2	30	
Caprolactam	A	50.0	57.8	9.322574E-02	0.1077171		15.5	30	
Acenaphthene	A	50.0	50.9	1.21598	1.238781		1.9	30	
Acenaphthylene	A	50.0	52.5	1.913558	2.009338		5.0	30	
Acetophenone	A	50.0	49.7	1.963285	1.951071		-0.6	30	
Anthracene	A	50.0	50.8	1.114591	1.133545		1.7	30	
Benzo(a)anthracene	A	50.0	50.9	1.462137	1.487143		1.7	30	
Benzo(a)pyrene	A	50.0	50.2	1.153298	1.15906		0.5	30	
Benzo(b)fluoranthene	A	50.0	52.5	1.340032	1.406456		5.0	30	
Benzo(g,h,i)perylene	A	50.0	54.2	1.090769	1.182295		8.4	30	
Benzo(k)fluoranthene	A	50.0	52.9	1.201359	1.270405		5.7	30	
Bis(2-chloroethoxy)methane	A	50.0	52.1	0.4206191	0.4386523		4.3	30	
Bis(2-chloroethyl)ether	A	50.0	53.2	1.000125	1.064544		6.4	30	
Bis(2-chloroisopropyl)ether	A	50.0	56.5	1.484059	1.676315		13.0	30	
Bis(2-Ethylhexyl)phthalate	A	50.0	56.4	0.8434581	0.9512183		12.8	30	
4-Bromophenylphenylether	A	50.0	49.1	0.2256438	0.2215775		-1.8	30	
Butylbenzylphthalate	A	50.0	56.7	0.6276296	0.7120003		13.4	30	
Carbazole	A	50.0	50.2	1.075248	1.079135		0.4	30	
4-Chloroaniline	A	50.0	36.0	0.4098773	0.2952834		-28.0	30	
4-Chloro-3-methylphenol	A	50.0	51.1	0.3069222	0.3134581		2.1	30	
2-Chloronaphthalene	A	50.0	47.5	1.526064	1.449635		-5.0	30	
2-Chlorophenol	A	50.0	51.6	1.510936	1.559767		3.2	30	
4-Chlorophenylphenylether	A	50.0	49.5	0.7097296	0.7020415		-1.1	30	
Chrysene	A	50.0	49.1	1.384738	1.359087		-1.9	30	
Dibenz(a,h)anthracene	A	50.0	54.1	1.078215	1.166177		8.2	30	
Dibenzofuran	A	50.0	51.4	1.761122	1.810145		2.8	30	
Di-n-butylphthalate	A	50.0	52.9	1.260746	1.332833		5.7	30	
3,3-Dichlorobenzidine	A	50.0	51.8	0.4336696	0.4488886		3.5	30	

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Pace New England	Work Order:	23G2653
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	GCMSSV4	Calibration:	2301084
Lab File ID:	D23S206018.D	Calibration Date:	07/25/23 08:39
Sequence:	S093002	Injection Date:	07/25/23
Lab Sample ID:	S093002-ICV1	Injection Time:	16:50

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)	
2,4-Dichlorophenol	A	50.0	52.2	0.3245356	0.3389116		4.4	30	
Diethylphthalate	A	50.0	49.6	1.415853	1.403872		-0.8	30	
2,4-Dimethylphenol	A	50.0	42.1	0.3625293	0.3052735		-15.8	30	
Dimethylphthalate	A	50.0	49.4	1.427859	1.41057		-1.2	30	
4,6-Dinitro-2-methylphenol	A	50.0	67.5	8.026663E-02	0.1083426		35.0	30	*
2,4-Dinitrophenol	A	50.0	67.7	0.0997562	0.1350956		35.4	30	*
2,4-Dinitrotoluene	L	50.0	53.3	0.3604203	0.4176888		6.6	30	
2,6-Dinitrotoluene	A	50.0	59.5	0.2801027	0.333371		19.0	30	
Di-n-octylphthalate	A	50.0	54.9	1.381202	1.5164		9.8	30	
Fluoranthene	A	50.0	52.3	1.226361	1.282262		4.6	30	
Fluorene	A	50.0	50.3	1.429523	1.438977		0.7	30	
Hexachlorobenzene	A	50.0	50.9	0.2651598	0.2699072		1.8	30	
Hexachlorobutadiene	A	50.0	47.7	0.2057564	0.1964486		-4.5	30	
Hexachlorocyclopentadiene	A	50.0	43.1	0.3230031	0.2782412		-13.9	30	
Hexachloroethane	A	50.0	50.4	0.6082943	0.6134815		0.9	30	
Indeno(1,2,3-cd)pyrene	A	50.0	55.8	1.05187	1.174731		11.7	30	
Isophorone	A	50.0	53.9	0.6455927	0.6953722		7.7	30	
2-Methylnaphthalene	A	50.0	48.6	0.7307279	0.7105479		-2.8	30	
2-Methylphenol	A	50.0	52.0	1.262071	1.312994		4.0	30	
3/4-Methylphenol	A	50.0	52.8	1.424123	1.503234		5.6	30	
Naphthalene	A	50.0	49.9	1.079343	1.076898		-0.2	30	
2-Nitroaniline	A	50.0	56.5	0.3008206	0.3401276		13.1	30	
3-Nitroaniline	A	50.0	52.1	0.3049105	0.3175485		4.1	30	
4-Nitroaniline	A	50.0	55.7	0.3391166	0.3778955		11.4	30	
Nitrobenzene	A	50.0	53.5	0.3416634	0.3657269		7.0	30	
2-Nitrophenol	A	50.0	58.5	0.1667566	0.1950118		16.9	30	
4-Nitrophenol	A	50.0	56.7	0.1525805	0.172982		13.4	30	
N-Nitrosodiphenylamine/Diphenylamine	A	50.0	55.2	0.5897147	0.6528993		10.7	30	
N-Nitrosodi-n-propylamine	A	50.0	50.3	0.9251862	0.9310047		0.6	30	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Pace New England	Work Order:	23G2653
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	GCMSSV4	Calibration:	2301084
Lab File ID:	D23S212002.D	Calibration Date:	07/25/23 08:39
Sequence:	S091317	Injection Date:	07/31/23
Lab Sample ID:	S091317-CCV1	Injection Time:	11:50

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Dimethylphthalate	A	50.0	50.2	1.427859	1.433297		0.4	20	
4,6-Dinitro-2-methylphenol	A	50.0	78.7	8.026663E-02	0.1263725		57.4	20	*
2,4-Dinitrophenol	A	50.0	87.3	0.0997562	0.1741996		74.6	20	*
2,4-Dinitrotoluene	L	50.0	56.4	0.3604203	0.4440945		12.8	20	
2,6-Dinitrotoluene	A	50.0	60.0	0.2801027	0.3363509		20.1	20	*
Di-n-octylphthalate	A	50.0	57.9	1.381202	1.600389		15.9	20	
Fluoranthene	A	50.0	47.8	1.226361	1.172312		-4.4	20	
Fluorene	A	50.0	49.4	1.429523	1.412001		-1.2	20	
Hexachlorobenzene	A	50.0	48.5	0.2651598	0.2572376		-3.0	20	
Hexachlorobutadiene	A	50.0	47.2	0.2057564	0.1942723		-5.6	20	
Hexachlorocyclopentadiene	A	50.0	60.0	0.3230031	0.3874739		20.0	20	
Hexachloroethane	A	50.0	51.8	0.6082943	0.6307798		3.7	20	
Indeno(1,2,3-cd)pyrene	A	50.0	51.1	1.05187	1.074364		2.1	20	
Isophorone	A	50.0	51.4	0.6455927	0.6638199		2.8	20	
2-Methylnaphthalene	A	50.0	51.1	0.7307279	0.7470988		2.2	20	
2-Methylphenol	A	50.0	53.2	1.262071	1.342457		6.4	20	
3/4-Methylphenol	A	100	103	1.424123	1.470413		3.3	20	
Naphthalene	A	50.0	49.5	1.079343	1.067825		-1.1	20	
2-Nitroaniline	A	50.0	65.1	0.3008206	0.3917205		30.2	20	*
3-Nitroaniline	A	50.0	64.9	0.3049105	0.3959357		29.9	20	*
4-Nitroaniline	A	50.0	59.4	0.3391166	0.4029453		18.8	20	
Nitrobenzene	A	50.0	56.9	0.3416634	0.3889915		13.9	20	
2-Nitrophenol	A	50.0	65.1	0.1667566	0.2169927		30.1	20	*
4-Nitrophenol	A	50.0	59.5	0.1525805	0.181643		19.0	20	
N-Nitrosodiphenylamine/Diphenylamine	A	42.8	46.9	0.5897147	0.6480615		9.9	20	
N-Nitrosodi-n-propylamine	A	50.0	51.4	0.9251862	0.9513278		2.8	20	
Pentachlorophenol	A	50.0	49.4	0.1674556	0.1654153		-1.2	20	
Phenanthrene	A	50.0	48.5	1.112193	1.079114		-3.0	20	
Phenol	A	50.0	54.2	1.763905	1.912899		8.4	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Pace New England	Work Order:	23G2653
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	GCMSSV3	Calibration:	2300262
Lab File ID:	C2321402.D	Calibration Date:	02/22/23 14:02
Sequence:	S091493	Injection Date:	08/02/23
Lab Sample ID:	S091493-CCV1	Injection Time:	08:41

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Biphenyl	A	50.0	48.7	1.643789	1.602125		-2.5	20	
Acenaphthene	A	50.0	45.2	1.295546	1.172198		-9.5	20	
Acenaphthylene	A	50.0	47.4	1.983951	1.882831		-5.1	20	
Acetophenone	A	50.0	46.3	2.128914	1.970944		-7.4	20	
Anthracene	A	50.0	49.9	1.119781	1.118447		-0.1	20	
Benzo(a)anthracene	A	50.0	48.7	1.456092	1.419213		-2.5	20	
Benzo(a)pyrene	A	50.0	51.7	1.157029	1.19669		3.4	20	
Benzo(b)fluoranthene	A	50.0	49.8	1.329656	1.323012		-0.5	20	
Benzo(g,h,i)perylene	A	50.0	52.9	1.038094	1.097845		5.8	20	
Benzo(k)fluoranthene	A	50.0	48.1	1.221296	1.173812		-3.9	20	
Bis(2-chloroethoxy)methane	A	50.0	41.9	0.4440508	0.3719753		-16.2	20	
Bis(2-chloroethyl)ether	A	50.0	37.1	0.9656286	0.7158812		-25.9	20	*
Bis(2-chloroisopropyl)ether	A	50.0	38.2	1.407065	1.074417		-23.6	20	*
Bis(2-Ethylhexyl)phthalate	A	50.0	53.4	0.8610833	0.918927		6.7	20	
4-Bromophenylphenylether	A	50.0	48.2	0.2284967	0.2200785		-3.7	20	
Butylbenzylphthalate	A	50.0	47.9	0.6593365	0.6315622		-4.2	20	
Carbazole	A	50.0	49.1	1.083266	1.06451		-1.7	20	
4-Chloroaniline	A	50.0	45.2	0.4629189	0.4185536		-9.6	20	
4-Chloro-3-methylphenol	A	50.0	45.6	0.3466088	0.31642		-8.7	20	
2-Chloronaphthalene	A	50.0	48.4	1.541018	1.491998		-3.2	20	
2-Chlorophenol	A	50.0	48.0	1.590346	1.525978		-4.0	20	
4-Chlorophenylphenylether	A	50.0	45.2	0.8149534	0.7364604		-9.6	20	
Chrysene	A	50.0	47.5	1.417415	1.347126		-5.0	20	
Dibenz(a,h)anthracene	A	50.0	59.6	1.013156	1.208639		19.3	20	
Dibenzofuran	A	50.0	46.3	1.966105	1.821694		-7.3	20	
Di-n-butylphthalate	A	50.0	49.5	1.292531	1.280455		-0.9	20	
3,3-Dichlorobenzidine	A	50.0	60.2	0.4325516	0.5205046		20.3	20	*
2,4-Dichlorophenol	A	50.0	49.2	0.3324846	0.3269373		-1.7	20	
Diethylphthalate	A	50.0	42.6	1.530566	1.302603		-14.9	20	
2,4-Dimethylphenol	A	50.0	46.3	0.3650922	0.3383978		-7.3	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Pace New England	Work Order:	23G2653
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	GCMSSV3	Calibration:	2300262
Lab File ID:	C2321502.D	Calibration Date:	02/22/23 14:02
Sequence:	S091601	Injection Date:	08/03/23
Lab Sample ID:	S091601-CCV1	Injection Time:	11:49

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Biphenyl	A	50.0	48.5	1.643789	1.595895		-2.9	20	
Acenaphthene	A	50.0	44.7	1.295546	1.158199		-10.6	20	
Acenaphthylene	A	50.0	47.4	1.983951	1.880804		-5.2	20	
Acetophenone	A	50.0	47.5	2.128914	2.023839		-4.9	20	
Anthracene	A	50.0	50.1	1.119781	1.12104		0.1	20	
Benzo(a)anthracene	A	50.0	49.7	1.456092	1.447947		-0.6	20	
Benzo(a)pyrene	A	50.0	53.2	1.157029	1.231502		6.4	20	
Benzo(b)fluoranthene	A	50.0	51.4	1.329656	1.36654		2.8	20	
Benzo(g,h,i)perylene	A	50.0	53.5	1.038094	1.111402		7.1	20	
Benzo(k)fluoranthene	A	50.0	50.4	1.221296	1.23013		0.7	20	
Bis(2-chloroethoxy)methane	A	50.0	43.4	0.4440508	0.3855749		-13.2	20	
Bis(2-chloroethyl)ether	A	50.0	37.9	0.9656286	0.732494		-24.1	20	*
Bis(2-chloroisopropyl)ether	A	50.0	38.7	1.407065	1.088717		-22.6	20	*
Bis(2-Ethylhexyl)phthalate	A	50.0	56.4	0.8610833	0.9711815		12.8	20	
4-Bromophenylphenylether	A	50.0	49.0	0.2284967	0.2240337		-2.0	20	
Butylbenzylphthalate	A	50.0	48.9	0.6593365	0.6450558		-2.2	20	
Carbazole	A	50.0	49.4	1.083266	1.069126		-1.3	20	
4-Chloroaniline	A	50.0	46.5	0.4629189	0.4302779		-7.1	20	
4-Chloro-3-methylphenol	A	50.0	48.6	0.3466088	0.3365961		-2.9	20	
2-Chloronaphthalene	A	50.0	49.3	1.541018	1.519224		-1.4	20	
2-Chlorophenol	A	50.0	49.3	1.590346	1.566838		-1.5	20	
4-Chlorophenylphenylether	A	50.0	45.7	0.8149534	0.7442353		-8.7	20	
Chrysene	A	50.0	48.2	1.417415	1.367242		-3.5	20	
Dibenz(a,h)anthracene	A	50.0	61.2	1.013156	1.241197		22.5	20	*
Dibenzofuran	A	50.0	46.5	1.966105	1.828082		-7.0	20	
Di-n-butylphthalate	A	50.0	52.8	1.292531	1.366187		5.7	20	
3,3-Dichlorobenzidine	A	50.0	61.2	0.4325516	0.5296149		22.4	20	*
2,4-Dichlorophenol	A	50.0	50.2	0.3324846	0.3338755		0.4	20	
Diethylphthalate	A	50.0	43.9	1.530566	1.344154		-12.2	20	
2,4-Dimethylphenol	A	50.0	47.3	0.3650922	0.3453368		-5.4	20	

1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Pace New England			Work Order:	23G2653
Client:	NYDEC_TRC Engineers, Inc. - New York, NY		Project:	250 Water Street P-site CAT B - CO 147098	
Matrix:	Water	Laboratory ID:	B346796-BLK1	File ID:	D23S207011.D
Sampled:		Prepared:	07/24/23 07:09	Analyzed:	07/26/23 22:37
Solids:		Preparation:	SW-846 3510C	Dilution:	
Initial/Final:	1000 mL / 1 mL				
Batch:	B346796	Sequence:	S091072	Calibration:	2301084
Instrument:	GCMSSV4				
Column:	1				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
621-64-7	N-Nitrosodi-n-propylamine		0.57	10	
87-86-5	Pentachlorophenol		0.67	10	
85-01-8	Phenanthrene		0.51	5.0	
108-95-2	Phenol		0.19	10	R-05
129-00-0	Pyrene		0.66	5.0	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.66	10	
95-95-4	2,4,5-Trichlorophenol		0.55	10	
88-06-2	2,4,6-Trichlorophenol		0.47	10	

CAS NO.	TENTATIVELY IDENTIFIED COMPOUNDS	CONC. (µg/L)	Q
000594-82-1	Butane, 2,2,3,3-tetramethyl-	450	B
NA	Tentatively Identified Compounds	0.0	

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8081B

Laboratory:	Pace New England	Work Order:	23G2653
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	ECD2	Calibration:	2300816
Lab File ID:	B23E184028.D	Calibration Date:	07/03/23 00:00
Sequence:	S090205	Injection Date:	07/03/23
Lab Sample ID:	S090205-ICV1	Injection Time:	19:04

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)	
Chlordane	A	100	114					20	
Chlordane [2C]	A	100	113					20	
Chlordane (1)	A	100	117	725467.6	850341		17.2	20	
Chlordane (1) [2C]	A	100	123	2603190	3199000		22.9	20	*
Chlordane (2)	A	100	133	1113965	1487000		33.5	20	*
Chlordane (2) [2C]	A	100	135	4272070	5774000		35.2	20	*
Chlordane (3)	A	100	117	866803.9	1013000		16.9	20	
Chlordane (3) [2C]	A	100	114	3164164	3615000		14.2	20	
Chlordane (4)	A	100	104	2841822	2943000		3.6	20	
Chlordane (4) [2C]	A	100	69.8	1.055263E+07	7371000		-30.2	20	*
Chlordane (5)	A	100	99.5	827595.6	823534.8		-0.5	20	
Chlordane (5) [2C]	A	100	123	7233331	8903000		23.1	20	*

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8081B

Laboratory:	Pace New England	Work Order:	23G2653
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	ECD6	Calibration:	2300912
Lab File ID:	F23E208028.D	Calibration Date:	07/27/23 00:00
Sequence:	S091408	Injection Date:	07/27/23
Lab Sample ID:	S091408-ICV1	Injection Time:	22:39

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)	
Chlordane	A	100	113					20	
Chlordane [2C]	A	100	109					20	
Chlordane (1)	A	100	114	1228902	1397000		13.7	20	
Chlordane (1) [2C]	A	100	117	618675.6	725107.4		17.2	20	
Chlordane (2)	A	100	133	1942164	2586000		33.2	20	*
Chlordane (2) [2C]	A	100	132	978998.6	1290000		31.8	20	*
Chlordane (3)	A	100	121	1488282	1798000		20.8	20	*
Chlordane (3) [2C]	A	100	114	790366.9	897254.2		13.5	20	
Chlordane (4)	A	100	101	5139665	5193000		1.0	20	
Chlordane (4) [2C]	A	100	66.7	2642169	1763000		-33.3	20	*
Chlordane (5)	A	100	98.1	1528302	1499000		-1.9	20	
Chlordane (5) [2C]	A	100	118	1811565	2135000		17.9	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8082A

Laboratory:	Pace New England	Work Order:	23G2653
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	ECD10	Calibration:	2300499
Lab File ID:	J23E115057.D	Calibration Date:	04/25/23 00:00
Sequence:	S086616	Injection Date:	04/27/23
Lab Sample ID:	S086616-ICV1	Injection Time:	00:47

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)	
Aroclor-1221	A	100	95.0				-5.0	20	
Aroclor-1221 (1)	A	100	93.7	185298.5	173544.4		-6.3	20	
Aroclor-1221 (2)	A	100	94.5	123291.7	116562.3		-5.5	20	
Aroclor-1221 (3)	A	100	96.7	438700.9	424333.6		-3.3	20	
Aroclor-1221 (4)	A	100	0.00					20	
Aroclor-1221 (5)	A	100	0.00					20	
Aroclor-1221 [2C]	A	100	91.9				-8.1	20	
Aroclor-1221 (1) [2C]	A	100	88.6	256880.2	227493.9		-11.4	20	
Aroclor-1221 (2) [2C]	A	100	98.3	157239.4	154531.9		-1.7	20	
Aroclor-1221 (3) [2C]	A	100	88.8	610534.6	541873.7		-11.2	20	
Aroclor-1221 (4) [2C]	A	100	0.00					20	
Aroclor-1221 (5) [2C]	A	100	0.00					20	
Aroclor-1262	A	100	85.0				-15.0	20	
Aroclor-1262 (1)	A	100	81.4	788888.9	641798.1		-18.6	20	
Aroclor-1262 (2)	A	100	79.2	1100506	871693.8		-20.8	20	*
Aroclor-1262 (3)	A	100	91.2	1213025	1106000		-8.8	20	
Aroclor-1262 (4)	A	100	86.9	1105881	960480.5		-13.1	20	
Aroclor-1262 (5)	A	100	86.5	2414060	2089000		-13.5	20	
Aroclor-1262 [2C]	A	100	85.3				-14.7	20	
Aroclor-1262 (1) [2C]	A	100	83.9	928308.8	778715		-16.1	20	
Aroclor-1262 (2) [2C]	A	100	81.1	1089523	884025.8		-18.9	20	
Aroclor-1262 (3) [2C]	A	100	89.4	1370979	1226000		-10.6	20	
Aroclor-1262 (4) [2C]	A	100	88.6	1350505	1197000		-11.4	20	
Aroclor-1262 (5) [2C]	A	100	83.6	2785865	2329000		-16.4	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8082A

Laboratory:	Pace New England	Work Order:	23G2653
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	ECD5	Calibration:	2300629
Lab File ID:	E23E140028.D	Calibration Date:	05/23/23 11:18
Sequence:	S087911	Injection Date:	05/20/23
Lab Sample ID:	S087911-ICV1	Injection Time:	15:46

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)	
Aroclor-1254	A	100	88.5				-11.5	20	
Aroclor-1254 (1)	A	100	88.7	477762.9	423850.2		-11.3	20	
Aroclor-1254 (2)	A	100	87.0	528261.8	459849.3		-13.0	20	
Aroclor-1254 (3)	A	100	92.1	872560.7	803416.1		-7.9	20	
Aroclor-1254 (4)	A	100	90.0	642906	578326.6		-10.0	20	
Aroclor-1254 (5)	A	100	84.7	932331.2	789255.9		-15.3	20	
Aroclor-1254 [2C]	A	100	85.7				-14.3	20	
Aroclor-1254 (1) [2C]	A	100	90.1	496912.8	447916.6		-9.9	20	
Aroclor-1254 (2) [2C]	A	100	86.9	578941.4	502878.6		-13.1	20	
Aroclor-1254 (3) [2C]	A	100	95.0	784592.1	745084.9		-5.0	20	
Aroclor-1254 (4) [2C]	A	100	86.0	378678.7	325620.4		-14.0	20	
Aroclor-1254 (5) [2C]	A	100	70.6	827471	584431.9		-29.4	20	*

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8082A

Laboratory:	Pace New England	Work Order:	23G2653
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	ECD5	Calibration:	2300629
Lab File ID:	E23E140055.D	Calibration Date:	05/23/23 11:18
Sequence:	S087914	Injection Date:	05/20/23
Lab Sample ID:	S087914-ICV1	Injection Time:	21:06

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)	
Aroclor-1232	A	100	94.3				-5.7	20	
Aroclor-1232 (1)	A	100	97.6	290859.9	283721		-2.4	20	
Aroclor-1232 (2)	A	100	88.0	207128.5	182337.8		-12.0	20	
Aroclor-1232 (3)	A	100	101	129448.9	130752.2		1.0	20	
Aroclor-1232 (4)	A	100	90.7	163821.1	148601.9		-9.3	20	
Aroclor-1232 (5)	A	100	94.4	164940.2	155621		-5.6	20	
Aroclor-1232 [2C]	A	100	91.7				-8.3	20	
Aroclor-1232 (1) [2C]	A	100	93.5	265337	248176.9		-6.5	20	
Aroclor-1232 (2) [2C]	A	100	96.3	187035.8	180152.4		-3.7	20	
Aroclor-1232 (3) [2C]	A	100	91.9	144160.1	132491.4		-8.1	20	
Aroclor-1232 (4) [2C]	A	100	89.4	147487.5	131912.4		-10.6	20	
Aroclor-1232 (5) [2C]	A	100	87.5	170108	148798.6		-12.5	20	
Aroclor-1268	A	100	109				8.6	20	
Aroclor-1268 (1)	A	100	99.3	1707402	1695000		-0.7	20	
Aroclor-1268 (2)	A	100	100	1578035	1583000		0.3	20	
Aroclor-1268 (3)	A	100	88.5	1475784	1307000		-11.5	20	
Aroclor-1268 (4)	A	100	143	402388.1	574705.2		42.8	20	*
Aroclor-1268 (5)	A	100	112	3680798	4125000		12.1	20	
Aroclor-1268 [2C]	A	100	109				8.6	20	
Aroclor-1268 (1) [2C]	A	100	99.9	1544747	1543000		-0.1	20	
Aroclor-1268 (2) [2C]	A	100	101	1397979	1418000		1.5	20	
Aroclor-1268 (3) [2C]	A	100	89.3	1329180	1186000		-10.7	20	
Aroclor-1268 (4) [2C]	A	100	140	360263.5	503926.8		39.9	20	*
Aroclor-1268 (5) [2C]	A	100	113	3207702	3614000		12.7	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8082A

Laboratory:	Pace New England	Work Order:	23G2653
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	ECD5	Calibration:	2300629
Lab File ID:	E23E140064.D	Calibration Date:	05/23/23 11:18
Sequence:	S087915	Injection Date:	05/20/23
Lab Sample ID:	S087915-ICV1	Injection Time:	22:53

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)	
Aroclor-1221	A	100	92.1				-7.9	20	
Aroclor-1221 (1)	A	100	89.8	157396.3	141314.2		-10.2	20	
Aroclor-1221 (2)	A	100	91.6	368522.4	337433.1		-8.4	20	
Aroclor-1221 (3)	A	100	95.0	53149.32	50504.89		-5.0	20	
Aroclor-1221 (4)	A	100	0.00					20	
Aroclor-1221 (5)	A	100	0.00					20	
Aroclor-1221 [2C]	A	100	89.4				-10.6	20	
Aroclor-1221 (1) [2C]	A	100	88.3	146847.3	129652.9		-11.7	20	
Aroclor-1221 (2) [2C]	A	100	91.9	335609.6	308336.5		-8.1	20	
Aroclor-1221 (3) [2C]	A	100	88.1	44372.87	39110.47		-11.9	20	
Aroclor-1221 (4) [2C]	A	100	0.00					20	
Aroclor-1221 (5) [2C]	A	100	0.00					20	
Aroclor-1262	A	100	88.3				-11.7	20	
Aroclor-1262 (1)	A	100	88.7	337030.7	298788.4		-11.3	20	
Aroclor-1262 (2)	A	100	93.3	291775.3	272308.8		-6.7	20	
Aroclor-1262 (3)	A	100	86.4	373485.2	322785.5		-13.6	20	
Aroclor-1262 (4)	A	100	88.0	792864.7	697515.8		-12.0	20	
Aroclor-1262 (5)	A	100	84.9	1652227	1402000		-15.1	20	
Aroclor-1262 [2C]	A	100	85.9				-14.1	20	
Aroclor-1262 (1) [2C]	A	100	87.7	310339.4	272181.8		-12.3	20	
Aroclor-1262 (2) [2C]	A	100	79.9	629397.7	503012.2		-20.1	20	*
Aroclor-1262 (3) [2C]	A	100	89.9	764568.9	687381		-10.1	20	
Aroclor-1262 (4) [2C]	A	100	89.0	730822.7	650323.8		-11.0	20	
Aroclor-1262 (5) [2C]	A	100	82.7	1448581	1199000		-17.3	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8082A

Laboratory:	Pace New England	Work Order:	23G2653
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	ECD10	Calibration:	2300741
Lab File ID:	J23E164018.D	Calibration Date:	06/14/23 13:16
Sequence:	S089094	Injection Date:	06/13/23
Lab Sample ID:	S089094-ICV1	Injection Time:	13:18

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)	
Aroclor-1232	A	100	94.9				-5.1	20	
Aroclor-1232 (1)	A	100	93.0	140774.5	130955.3		-7.0	20	
Aroclor-1232 (2)	A	100	95.5	453471.2	433156.3		-4.5	20	
Aroclor-1232 (3)	A	100	103	298455.9	306295.6		2.6	20	
Aroclor-1232 (4)	A	100	94.5	227108	214527.4		-5.5	20	
Aroclor-1232 (5)	A	100	89.1	152572.8	135876.7		-10.9	20	
Aroclor-1232 [2C]	A	100	89.2				-10.8	20	
Aroclor-1232 (1) [2C]	A	100	92.9	173800	161389.7		-7.1	20	
Aroclor-1232 (2) [2C]	A	100	95.4	520303.3	496379.9		-4.6	20	
Aroclor-1232 (3) [2C]	A	100	83.9	188951.7	158483.5		-16.1	20	
Aroclor-1232 (4) [2C]	A	100	88.0	270227.7	237846.4		-12.0	20	
Aroclor-1232 (5) [2C]	A	100	85.9	324945.4	279140.4		-14.1	20	
Aroclor-1268	A	100	108				8.2	20	
Aroclor-1268 (1)	A	100	99.1	3151786	3124000		-0.9	20	
Aroclor-1268 (2)	A	100	101	3020931	3046000		0.8	20	
Aroclor-1268 (3)	A	100	89.1	2849089	2540000		-10.9	20	
Aroclor-1268 (4)	A	100	140	773745.7	1086000		40.4	20	*
Aroclor-1268 (5)	A	100	112	7379758	8247000		11.8	20	
Aroclor-1268 [2C]	A	100	106				6.4	20	
Aroclor-1268 (1) [2C]	A	100	96.4	3140563	3027000		-3.6	20	
Aroclor-1268 (2) [2C]	A	100	98.9	2927612	2896000		-1.1	20	
Aroclor-1268 (3) [2C]	A	100	86.4	2692903	2327000		-13.6	20	
Aroclor-1268 (4) [2C]	A	100	140	777971.8	1085000		39.5	20	*
Aroclor-1268 (5) [2C]	A	100	111	6858942	7588000		10.6	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

LOW-CONCENTRATION CALIBRATION VERIFICATION

SW-846 6010D

Laboratory: Pace New England
SDG: 23G2653
Client: NYDEC_TRC Engineers, Inc. - New York, NY
Project: 250 Water Street P-site CAT B - CO 147098
Calibration: 2300896
Laboratory ID: S090894-LCV1
Sequence: S090894
Standard ID: 2305079

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Aluminum	0.0500	0.0552	10.4	20.00
Antimony	0.0500	0.0448	-10.3	20.00
Calcium	0.500	0.564	12.9	20.00
Chromium	0.0100	0.0118	17.9	20.00
Iron	0.0500	0.0576	15.2	20.00
Lead	0.0100	0.0115	14.7	20.00
Magnesium	0.0500	0.0562	12.4	20.00
Manganese	0.0100	0.0115	14.8	20.00
Potassium	2.00	2.26	13.2	20.00
Selenium	0.0500	0.0560	12.0	20.00
Sodium	2.00	2.30	15.2	20.00
Thallium	0.0500	0.0538	7.6	20.00
Vanadium	0.0100	0.0118	17.7	20.00

* Values outside of QC limits

LOW-CONCENTRATION CALIBRATION VERIFICATION

SW-846 6010D

Laboratory: Pace New England
SDG: 23G2653
Client: NYDEC_TRC Engineers, Inc. - New York, NY
Project: 250 Water Street P-site CAT B - CO 147098
Calibration: 2300896
Laboratory ID: S090894-LCV2
Sequence: S090894
Standard ID: 2305993

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Beryllium	0.00400	0.00456	14.1	20.00
Cadmium	0.00400	0.00424	6.0	20.00

* Values outside of QC limits

LOW-CONCENTRATION CALIBRATION VERIFICATION

SW-846 6010D

Laboratory: Pace New England
SDG: 23G2653
Client: NYDEC_TRC Engineers, Inc. - New York, NY
Project: 250 Water Street P-site CAT B - CO 147098
Calibration: 2300909
Laboratory ID: S091111-LCV1
Sequence: S091111
Standard ID: 2305079

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Aluminum	0.0500	0.0595	19.0	20.00
Antimony	0.0500	0.0463	-7.4	20.00
Barium	0.0500	0.0557	11.4	20.00
Beryllium	0.00400	0.00461	15.3	20.00
Cadmium	0.00400	0.00457	14.2	20.00
Calcium	0.500	0.549	9.7	20.00
Chromium	0.0100	0.0115	15.0	20.00
Cobalt	0.0100	0.0109	9.1	20.00
Copper	0.0100	0.0115	15.3	20.00
Iron	0.0500	0.0519	3.7	20.00
Magnesium	0.0500	0.0557	11.3	20.00
Manganese	0.0100	0.0114	14.4	20.00
Nickel	0.0100	0.0112	12.5	20.00
Potassium	2.00	2.22	11.1	20.00
Silver	0.0100	0.0114	14.4	20.00
Sodium	2.00	2.22	11.1	20.00
Thallium	0.0500	0.0479	-4.3	20.00
Vanadium	0.0100	0.0114	13.8	20.00
Zinc	0.0100	0.0120	19.6	20.00

* Values outside of QC limits

LOW-CONCENTRATION CALIBRATION VERIFICATION

SW-846 6010D

Laboratory: Pace New England
SDG: 23G2653
Client: NYDEC_TRC Engineers, Inc. - New York, NY
Project: 250 Water Street P-site CAT B - CO 147098
Calibration: 2300925
Laboratory ID: S091230-LCV1
Sequence: S091230
Standard ID: 2307809

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Aluminum	0.0500	0.0560	12.0	20.00
Antimony	0.0500	0.0472	-5.5	20.00
Arsenic	0.0100	0.00963	-3.7	20.00
Barium	0.0500	0.0552	10.5	20.00
Beryllium	0.00400	0.00472	18.0	20.00
Cadmium	0.00400	0.00444	11.0	20.00
Calcium	0.500	0.526	5.2	20.00
Chromium	0.0100	0.0111	10.7	20.00
Cobalt	0.0100	0.0109	9.5	20.00
Iron	0.0500	0.0565	13.1	20.00
Lead	0.0100	0.0118	18.2	20.00
Magnesium	0.0500	0.0403	-19.5	20.00
Manganese	0.0100	0.0106	6.1	20.00
Nickel	0.0100	0.0109	9.5	20.00
Potassium	2.00	2.14	7.1	20.00
Selenium	0.0500	0.0543	8.6	20.00
Silver	0.0100	0.0110	10.4	20.00
Sodium	2.00	2.18	8.8	20.00
Zinc	0.0100	0.0115	15.1	20.00

* Values outside of QC limits

LOW-CONCENTRATION CALIBRATION VERIFICATION

SW-846 6010D

Laboratory: Pace New England
SDG: 23G2653
Client: NYDEC_TRC Engineers, Inc. - New York, NY
Project: 250 Water Street P-site CAT B - CO 147098
Calibration: 2300925
Laboratory ID: S091230-LCV2
Sequence: S091230
Standard ID: 2305097

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Copper	0.0100	0.0111	10.7	20.00
Vanadium	0.0100	0.0120	20.1 *	20.00

* Values outside of QC limits

FORM 3 - Blank Summary

SW-846 6010D

Laboratory:	Pace New England	Work Order:	23G2653
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	ICP3	Calibration:	2300925
Sequence:	S091284		

Lab Sample ID	Analyte	Found	Units	RL	C
S091284-CCB1	Aluminum		mg/L	0.50	U
	Antimony		mg/L	0.050	U
	Arsenic		mg/L	0.10	U
	Barium		mg/L	0.050	U
	Beryllium		mg/L	0.0050	U
	Cadmium		mg/L	0.010	U
	Calcium		mg/L	0.50	U
	Chromium		mg/L	0.020	U
	Cobalt		mg/L	0.050	U
	Copper	0.013	mg/L	0.020	
	Iron		mg/L	0.50	U
	Lead		mg/L	0.015	U
	Magnesium		mg/L	0.50	U
	Manganese		mg/L	0.010	U
	Nickel		mg/L	0.020	U
	Potassium		mg/L	5.0	U
	Selenium		mg/L	0.10	U
	Silver		mg/L	0.010	U
	Sodium		mg/L	5.0	U
	Vanadium		mg/L	0.020	U
	Zinc		mg/L	0.020	U
B347128-BLK1	Aluminum		mg/Kg wet	16	U
	Antimony		mg/Kg wet	1.6	U
	Arsenic		mg/Kg wet	3.2	U
	Barium		mg/Kg wet	1.6	U
	Beryllium		mg/Kg wet	0.16	U
	Cadmium		mg/Kg wet	0.32	U
	Calcium	3.6	mg/Kg wet	16	J
	Chromium		mg/Kg wet	0.64	U
	Cobalt		mg/Kg wet	1.6	U
	Copper	0.70	mg/Kg wet	0.64	
	Iron		mg/Kg wet	16	U
	Lead		mg/Kg wet	0.48	U

FORM 3 - Blank Summary

SW-846 6010D

Laboratory:	Pace New England	Work Order:	23G2653
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	ICP3	Calibration:	2300925
Sequence:	S091284		

Lab Sample ID	Analyte	Found	Units	RL	C
B347128-BLK1	Magnesium		mg/Kg wet	16	U
	Manganese		mg/Kg wet	0.32	U
	Nickel		mg/Kg wet	0.64	U
	Potassium		mg/Kg wet	160	U
	Selenium		mg/Kg wet	3.2	U
	Silver		mg/Kg wet	0.32	U
	Sodium		mg/Kg wet	160	U
	Vanadium		mg/Kg wet	0.64	U
	Zinc		mg/Kg wet	0.64	U
S091284-CCB2	Aluminum		mg/L	0.50	U
	Antimony		mg/L	0.050	U
	Arsenic		mg/L	0.10	U
	Barium		mg/L	0.050	U
	Beryllium		mg/L	0.0050	U
	Cadmium		mg/L	0.010	U
	Calcium		mg/L	0.50	U
	Chromium		mg/L	0.020	U
	Cobalt		mg/L	0.050	U
	Copper	0.010	mg/L	0.020	
	Iron		mg/L	0.50	U
	Lead		mg/L	0.015	U
	Magnesium		mg/L	0.50	U
	Manganese		mg/L	0.010	U
	Nickel		mg/L	0.020	U
	Potassium		mg/L	5.0	U
	Selenium		mg/L	0.10	U
	Silver		mg/L	0.010	U
	Sodium		mg/L	5.0	U
	Vanadium		mg/L	0.020	U
	Zinc		mg/L	0.020	U
S091284-CCB3	Aluminum		mg/L	0.50	U
	Antimony		mg/L	0.050	U
	Arsenic		mg/L	0.10	U

FORM 3 - Blank Summary

SW-846 6010D

Laboratory:	Pace New England	Work Order:	23G2653
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	ICP3	Calibration:	2300925
Sequence:	S091284		

Lab Sample ID	Analyte	Found	Units	RL	C
S091284-CCB3	Barium		mg/L	0.050	U
	Beryllium		mg/L	0.0050	U
	Cadmium		mg/L	0.010	U
	Calcium		mg/L	0.50	U
	Chromium		mg/L	0.020	U
	Cobalt		mg/L	0.050	U
	Copper	0.016	mg/L	0.020	
	Iron		mg/L	0.50	U
	Lead		mg/L	0.015	U
	Magnesium		mg/L	0.50	U
	Manganese		mg/L	0.010	U
	Nickel		mg/L	0.020	U
	Potassium		mg/L	5.0	U
	Selenium		mg/L	0.10	U
	Silver		mg/L	0.010	U
	Sodium		mg/L	5.0	U
	Vanadium		mg/L	0.020	U
	Zinc		mg/L	0.020	U
S091284-CCB4	Aluminum		mg/L	0.50	U
	Antimony		mg/L	0.050	U
	Arsenic		mg/L	0.10	U
	Barium		mg/L	0.050	U
	Beryllium		mg/L	0.0050	U
	Cadmium		mg/L	0.010	U
	Calcium		mg/L	0.50	U
	Chromium		mg/L	0.020	U
	Cobalt		mg/L	0.050	U
	Copper	0.0092	mg/L	0.020	
	Iron		mg/L	0.50	U
	Lead		mg/L	0.015	U
	Magnesium		mg/L	0.50	U
	Manganese		mg/L	0.010	U
	Nickel		mg/L	0.020	U

FORM 3 - Blank Summary

SW-846 6010D

Laboratory:	Pace New England	Work Order:	23G2653
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	ICP3	Calibration:	2300896
Sequence:	S090965		

Lab Sample ID	Analyte	Found	Units	RL	C
S090965-CCB1	Aluminum	0.022	mg/L	0.050	
	Antimony		mg/L	0.050	U
	Barium		mg/L	0.050	U
	Beryllium	0.0016	mg/L	0.0040	
	Cadmium		mg/L	0.0040	U
	Calcium		mg/L	0.50	U
	Chromium		mg/L	0.010	U
	Cobalt		mg/L	0.010	U
	Iron	0.039	mg/L	0.050	
	Manganese		mg/L	0.010	U
	Nickel	0.0036	mg/L	0.010	
	Potassium		mg/L	2.0	U
	Selenium		mg/L	0.050	U
	Sodium		mg/L	2.0	U
	Vanadium		mg/L	0.010	U
B346658-BLK1	Aluminum		mg/L	0.050	U
	Antimony		mg/L	0.050	U
	Barium		mg/L	0.050	U
	Beryllium		mg/L	0.0040	U
	Cadmium		mg/L	0.0040	U
	Calcium		mg/L	0.50	U
	Chromium		mg/L	0.010	U
	Cobalt		mg/L	0.010	U
	Manganese		mg/L	0.010	U
	Nickel		mg/L	0.010	U
	Potassium		mg/L	2.0	U
	Selenium		mg/L	0.050	U
	Sodium		mg/L	2.0	U
	Vanadium		mg/L	0.010	U
S090965-CCB2	Aluminum		mg/L	0.050	U
	Antimony		mg/L	0.050	U
	Barium		mg/L	0.050	U
	Beryllium	0.0013	mg/L	0.0040	

FORM 3 - Blank Summary

SW-846 6010D

Laboratory:	Pace New England	Work Order:	23G2653
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	ICP3	Calibration:	2300896
Sequence:	S090965		

Lab Sample ID	Analyte	Found	Units	RL	C
S090965-CCB2	Cadmium		mg/L	0.0040	U
	Calcium		mg/L	0.50	U
	Chromium		mg/L	0.010	U
	Cobalt		mg/L	0.010	U
	Iron		mg/L	0.050	U
	Manganese		mg/L	0.010	U
	Nickel	0.0035	mg/L	0.010	
	Potassium		mg/L	2.0	U
	Selenium		mg/L	0.050	U
	Sodium		mg/L	2.0	U
	Vanadium		mg/L	0.010	U
S090965-CCB3	Aluminum		mg/L	0.050	U
	Antimony		mg/L	0.050	U
	Barium		mg/L	0.050	U
	Beryllium	0.0014	mg/L	0.0040	
	Cadmium		mg/L	0.0040	U
	Calcium		mg/L	0.50	U
	Chromium		mg/L	0.010	U
	Cobalt		mg/L	0.010	U
	Iron		mg/L	0.050	U
	Manganese		mg/L	0.010	U
	Nickel	0.0034	mg/L	0.010	
	Potassium		mg/L	2.0	U
	Selenium		mg/L	0.050	U
	Sodium		mg/L	2.0	U
	Vanadium		mg/L	0.010	U
S090965-CCB4	Aluminum		mg/L	0.050	U
	Antimony		mg/L	0.050	U
	Barium		mg/L	0.050	U
	Beryllium	0.0013	mg/L	0.0040	
	Cadmium		mg/L	0.0040	U
	Calcium		mg/L	0.50	U
	Chromium		mg/L	0.010	U

INTERFERENCE CHECK SAMPLE

SW-846 6010D

Laboratory:	Pace New England	Work Order:	23G2653
Client:	NYDEC_TRC Engineers, Inc. - New York, N	Project:	250 Water Street P-site CAT B - CO 14709
Instrument ID:	ICP2	Calibration:	2300909
Sequence:	S091122		

Lab Sample ID	Analyte	RL	True	Found	%R	Units
S091122-IFA1	Arsenic	0.010		0.00		mg/L
	Copper	0.010		0.00		mg/L
	Iron	0.050	100	95.57	95.6	mg/L
	Lead	0.010		0.00		mg/L
	Magnesium	0.050	250	217.99	87.2	mg/L
	Silver	0.010		0.01		mg/L
	Thallium	0.050		0.01		mg/L
	Zinc	0.010		-0.01		mg/L
S091122-IFB1	Arsenic	0.010	0.200	0.20	100	mg/L
	Copper	0.010	1.00	1.02	102	mg/L
	Iron	0.050	100	96.52	96.5	mg/L
	Lead	0.010	0.100	0.10	97.8	mg/L
	Magnesium	0.050	250	219.57	87.8	mg/L
	Silver	0.010	0.400	0.47	117	mg/L
	Thallium	0.050	0.200	0.23	117	mg/L
	Zinc	0.010	2.00	1.87	93.3	mg/L
S091122-IFA2	Arsenic	0.010		0.00		mg/L
	Copper	0.010		0.00		mg/L
	Iron	0.050	100	94.40	94.4	mg/L
	Lead	0.010		0.00		mg/L
	Magnesium	0.050	250	216.24	86.5	mg/L
	Silver	0.010		0.01		mg/L
	Thallium	0.050		0.01		mg/L
	Zinc	0.010		-0.01		mg/L
S091122-IFB2	Arsenic	0.010	0.200	0.20	101	mg/L
	Copper	0.010	1.00	1.02	102	mg/L
	Iron	0.050	100	93.88	93.9	mg/L
	Lead	0.010	0.100	0.10	95.8	mg/L
	Magnesium	0.050	250	215.05	86.0	mg/L
	Silver	0.010	0.400	0.47	117	mg/L
	Thallium	0.050	0.200	0.23	115	mg/L
	Zinc	0.010	2.00	1.85	92.4	mg/L

INTERFERENCE CHECK SAMPLE

SW-846 6010D

Laboratory:	Pace New England	Work Order:	23G2653
Client:	NYDEC_TRC Engineers, Inc. - New York, N	Project:	250 Water Street P-site CAT B - CO 1470
Instrument ID:	ICP3	Calibration:	2300925
Sequence:	S091284		

Lab Sample ID	Analyte	RL	True	Found	%R	Units
S091284-IFA1	Nickel	0.020		0.00		mg/L
	Potassium	5.0		0.02		mg/L
	Selenium	0.10		-0.02		mg/L
	Silver	0.010		0.00		mg/L
	Sodium	5.0		0.04		mg/L
	Vanadium	0.020		0.00		mg/L
	Zinc	0.020		0.01		mg/L
S091284-IFA2	Aluminum	0.50	250	250.31	100	mg/L
	Antimony	0.050		0.04		mg/L
	Arsenic	0.10		0.02		mg/L
	Barium	0.050		0.00		mg/L
	Beryllium	0.0050		0.00		mg/L
	Cadmium	0.010		0.00		mg/L
	Calcium	0.50	250	234.52	93.8	mg/L
	Chromium	0.020		0.00		mg/L
	Cobalt	0.050		0.00		mg/L
	Copper	0.020		0.01		mg/L
	Iron	0.50	100	96.06	96.1	mg/L
	Lead	0.015		0.00		mg/L
	Magnesium	0.50	250	220.69	88.3	mg/L
	Manganese	0.010		0.00		mg/L
	Nickel	0.020		0.00		mg/L
	Potassium	5.0		0.08		mg/L
	Selenium	0.10		-0.02		mg/L
	Silver	0.010		0.00		mg/L
	Sodium	5.0		0.04		mg/L
	Vanadium	0.020		0.00		mg/L
	Zinc	0.020		0.01		mg/L
S091284-IFB2	Aluminum	0.50	250	237.05	94.8	mg/L
	Antimony	0.050	1.20	0.97	80.8	mg/L
	Arsenic	0.10	0.200	0.19	97.2	mg/L
	Barium	0.050	1.00	0.93	92.5	mg/L
	Beryllium	0.0050	1.00	0.94	93.8	mg/L
	Cadmium	0.010	2.00	2.03	101	mg/L
	Calcium	0.50	250	222.78	89.1	mg/L

INTERFERENCE CHECK SAMPLE

SW-846 6010D

Laboratory:	Pace New England	Work Order:	23G2653
Client:	NYDEC_TRC Engineers, Inc. - New York, N	Project:	250 Water Street P-site CAT B - CO 14709
Instrument ID:	ICP2	Calibration:	2300928
Sequence:	S091339		

Lab Sample ID	Analyte	RL	True	Found	%R	Units
S091339-IFA1	Arsenic	0.10		0.00		mg/L
	Lead	0.015		0.00		mg/L
	Thallium	0.050		0.01		mg/L
S091339-IFB1	Arsenic	0.10	0.200	0.19	96.0	mg/L
	Lead	0.015	0.100	0.09	89.3	mg/L
	Thallium	0.050	0.200	0.23	114	mg/L
S091339-IFA2	Arsenic	0.10		-0.01		mg/L
	Lead	0.015		0.00		mg/L
	Thallium	0.050		0.01		mg/L
S091339-IFB2	Arsenic	0.10	0.200	0.20	99.4	mg/L
	Lead	0.015	0.100	0.09	94.5	mg/L
	Thallium	0.050	0.200	0.24	119	mg/L
S091339-IFA3	Arsenic	0.10		-0.01		mg/L
	Lead	0.015		0.00		mg/L
	Thallium	0.050		0.01		mg/L
S091339-IFB3	Arsenic	0.10	0.200	0.19	95.1	mg/L
	Lead	0.015	0.100	0.09	92.5	mg/L
	Thallium	0.050	0.200	0.22	112	mg/L

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 6010D

Laboratory:	Pace New England	Work Order:	23G2653
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Soil	Preparation:	SW-846 3050B
Batch:	B347128	Laboratory ID:	B347128-BS1
Column:		Initial/Final:	0.5048 g / 50 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.	QC LIMITS REC.
Aluminum	8040	7840	97.5	47.6 - 151.7
Antimony	129	80.3	62.3	9.8 - 189.9
Arsenic	183	164	89.7	83.1 - 116.9
Barium	297	295	99.3	82.2 - 118.2
Beryllium	78.8	81.3	103	83 - 117
Cadmium	221	211	95.5	82.4 - 117.2
Calcium	4710	4520	95.9	81.3 - 118.5
Chromium	200	196	97.8	81.5 - 118.5
Cobalt	97.4	94.3	96.8	83.3 - 117
Copper	136	145	107	83.8 - 116.2
Iron	14000	12200	86.9	60.1 - 140
Lead	257	241	93.6	82.1 - 117.9
Magnesium	2290	2210	96.5	75.5 - 124.5
Manganese	381	382	100	81.6 - 118.1
Nickel	169	161	95.4	82.2 - 117.2
Potassium	2030	2030	99.8	70 - 130
Selenium	217	201	92.7	79.3 - 121.2
Silver	67.8	65.5	96.7	79.8 - 120.1
Sodium	427	431	101	74 - 126
Vanadium	205	202	98.5	78.5 - 121
Zinc	224	211	94.0	80.4 - 119.6

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aluminum	8040	7790	96.9	0.577	30	47.6 - 151.7
Antimony	129	80.7	62.6	0.488	30	9.8 - 189.9
Arsenic	183	166	90.6	1.02	30	83.1 - 116.9
Barium	297	297	100	0.868	20	82.2 - 118.2
Beryllium	78.8	80.8	103	0.525	30	83 - 117
Cadmium	221	202	91.3	4.43	20	82.4 - 117.2
Calcium	4710	4410	93.6	2.48	30	81.3 - 118.5
Chromium	200	197	98.5	0.719	30	81.5 - 118.5
Cobalt	97.4	95.9	98.5	1.69	20	83.3 - 117
Copper	136	150	110	3.38	30	83.8 - 116.2
Iron	14000	12200	87.3	0.438	30	60.1 - 140
Lead	257	243	94.4	0.758	30	82.1 - 117.9

Data Usability Summary Report

Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

250 Water St., Manhattan, NY
Pace/Con-test SDG#23G2664
December 14, 2023
Sampling date: 7/18/2023

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for TRC Engineers, Inc., project located at 250 Water St., Manhattan, NY, Pace/Con-test #23G2664 submitted to Vali-Data of WNY, LLC on October 10, 2023. This DUSR has been prepared in general compliance with USEPA National Functional Guidelines(NFG), NYSDEC; 'Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS)' (4/2023) and NYSDEC Analytical Services Protocols. The laboratory performed the analyses using the USEPA method Perfluorinated Hydrocarbons (1633 (12/2022)) and in accordance with wet chemistry methods.

ID	Sample ID	Laboratory ID
1	250WATERST-SB103-SS(2-4)	23G2664-01
2	250WATERST-SB103-SS(7-9)	23G2664-02
3	250WATERST-EB-20230718-2	23G2664-03

PFAA

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS)
- Surrogate Spike Recoveries
- Blanks
- Field Duplicate Sample Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Surrogate Spike Recoveries.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except a couple of surrogates were outside QC limits in a spike and should be qualified as estimated. Associated target analytes in this spike should be qualified as estimated.

Surrogate	Qualifier	Associated Sample
D3-NMeFOSA	J	B347288-BS1
D5-NEtFOSA	J	B347288-BS1

BLANKS
All the criteria were met except a couple of target analytes were detected in S091629-IBL1. There were no target analytes detected in the associated sample, so no further action is required.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
No MS/MSD was acquired.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.

CONTINUING CALIBRATION
All criteria were met.

Data Usability Summary Report

Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

205 Water St., Manhattan, NY
Pace/Con-test SDG#23H0887
November 29, 2023
Sampling date: 8/2/2023

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for TRC Engineers, Inc., project located at 205 Water St., Manhattan, NY, Pace/Con-test #23H0887 submitted to Vali-Data of WNY, LLC on October 10, 2023. This DUSR has been prepared in general compliance with USEPA National Functional Guidelines(NFG), NYSDEC; 'Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS)' (4/2023) and NYSDEC Analytical Services Protocols. The laboratory performed the analyses using the USEPA method Perfluorinated Hydrocarbons (1633 (12/2022)) and in accordance with wet chemistry methods.

ID	Sample ID	Laboratory ID
1	250WATERST-MW1-WG	23H0887-01
2	250WATERST-MW2-WG	23H0887-02
3	250WATERST-MW3-WG	23H0887-03
4	250WATERST-MW4-WG	23H0887-04
5	250WATERST-DUP-WG-20230802	23H0887-05
6	250WATERST-EB-20230802	23H0887-06

DUSR ID#4 was mislabeled as 250WATERST-MW-4-WG. This does not affect the usability of the data.

PFAA

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS)
- Surrogate Spike Recoveries
- Blanks
- Field Duplicate Sample Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Blanks and Surrogate Spike Recoveries.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except several surrogates were outside QC limits in the samples and should be qualified as estimated. Associated target analytes in these samples should be qualified as estimated.

Surrogate	Qualifier	Associated Sample
13C4-PFBA	J	1, 2
13C2-6:2FTS	UJ	2
13C2-8:2FTS	UJ	2

BLANKS
All the criteria were met except a couple of target analytes were detected in a blank. These target analytes should be qualified in the associated samples in which they were detected.

Blank ID	Target Analyte	Concentration	Qualifier	Associated Sample
S092705-IBL1	PFOS	16.2ng/ml	JH	1-5
S092705-IBL1	7:3FTCA	77.6ng/ml	U at RL	None

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met.
A target analyte was outside QC limits in the matrix spike but within limits in the matrix spike duplicate, so no further action is required.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.

CONTINUING CALIBRATION
All criteria were met.

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

REVISED 08-31-23: The sample ID's for 23H0887-02 and 03 and the lab receipt date have been revised per the COC.

Draft Method 1633

Qualifications:

H-01

Recommended sample holding time was exceeded, but analysis was performed before 2X the allowable holding time.

Analyte & Samples(s) Qualified:

Total Suspended Solids
23H0887-06[250WATERST-EB-20230802]

H-02

Gross violation of holding time. Analysis performed after 2X the allowable holding time.

Analyte & Samples(s) Qualified:

Total Suspended Solids
23H0887-01[250WATERST-MW1-WG], 23H0887-02[250WATERST-MW2-WG], 23H0887-03[250WATERST-MW3-WG], 23H0887-04[250WATERST-MW-4-WG], 23H0887-05[250WATERST-DUP-WG-20230802]

MS-22

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.

Analyte & Samples(s) Qualified:

Perfluorohexanoic acid (PFHxA)
23H0887-03[250WATERST-MW3-WG], B348287-MS2

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Technical Representative

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23H0887

Date Received: 8/3/2023

Field Sample #: 250WATERST-MW1-WG Sampled: 8/2/2023 12:30

Sample ID: 23H0887-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	4.1	3.7	1.4	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:06	AMS
Perfluoropentanoic acid (PFPeA)	2.8	1.9	0.33	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:06	AMS
Perfluorohexanoic acid (PFHxA)	2.4	0.94	0.20	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:06	AMS
Perfluoroheptanoic acid (PFHpA)	2.8	0.94	0.24	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:06	AMS
Perfluorooctanoic acid (PFOA)	19	0.94	0.21	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:06	AMS
Perfluorononanoic acid (PFNA)	0.62	0.94	0.18	ng/L	1	J	Draft Method 1633	8/25/23	8/28/23 16:06	AMS
Perfluorodecanoic acid (PFDA)	0.34	0.94	0.17	ng/L	1	J	Draft Method 1633	8/25/23	8/28/23 16:06	AMS
Perfluoroundecanoic acid (PFUnA)	ND	0.94	0.26	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:06	AMS
Perfluorododecanoic acid (PFDoA)	ND	0.94	0.24	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:06	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	0.94	0.25	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:06	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	0.94	0.23	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:06	AMS
Perfluorobutanesulfonic acid (PFBS)	3.7	0.94	0.24	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:06	AMS
Perfluoropentanesulfonic acid (PFPeS)	0.23	0.94	0.22	ng/L	1	J	Draft Method 1633	8/25/23	8/28/23 16:06	AMS
Perfluorohexanesulfonic acid (PFHxS)	2.9	0.94	0.19	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:06	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.94	0.29	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:06	AMS
Perfluorooctanesulfonic acid (PFOS)	6.7	0.94	0.30	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:06	AMS
Perfluorononanesulfonic acid (PFNS)	ND	0.94	0.28	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:06	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	0.94	0.29	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:06	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	0.94	0.25	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:06	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	3.7	0.65	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:06	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	3.7	0.92	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:06	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	3.7	1.0	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:06	AMS
Perfluorooctanesulfonamide (PFOSA)	0.36	0.94	0.29	ng/L	1	J	Draft Method 1633	8/25/23	8/28/23 16:06	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	0.94	0.39	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:06	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.94	0.29	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:06	AMS
N-MeFOSAA (NMeFOSAA)	ND	0.94	0.41	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:06	AMS
N-EtFOSAA (NEtFOSAA)	0.27	0.94	0.21	ng/L	1	J	Draft Method 1633	8/25/23	8/28/23 16:06	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	9.4	2.5	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:06	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	9.4	2.3	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:06	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	3.7	0.98	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:06	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	3.7	0.64	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:06	AMS
9Cl-PF3ONS (F53B Minor)	ND	3.7	0.80	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:06	AMS
11Cl-PF3OUdS (F53B Major)	ND	3.7	0.91	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:06	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	9.4	1.7	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:06	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	47	9.6	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:06	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	47	8.2	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:06	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9	0.46	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:06	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	1.9	0.47	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:06	AMS

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23H0887

Date Received: 8/3/2023

Field Sample #: 250WATERST-MW1-WG Sampled: 8/2/2023 12:30

Sample ID: 23H0887-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	1.9	0.38	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:06	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	0.81	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:06	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C4-PFBA	11.5	10-130		8/28/23 16:06
13C5-PFPeA	77.3	35-150		8/28/23 16:06
13C5-PFHxA	80.5	55-150		8/28/23 16:06
13C4-PFHpA	78.0	55-150		8/28/23 16:06
13C8-PFOA	79.6	60-140		8/28/23 16:06
13C9-PFNA	83.4	55-140		8/28/23 16:06
13C6-PFDA	82.8	50-140		8/28/23 16:06
13C7-PFUnA	80.2	30-140		8/28/23 16:06
13C2-PFDoA	74.9	10-150		8/28/23 16:06
13C2-PFTeDA	70.9	10-130		8/28/23 16:06
13C3-PFBS	77.5	55-150		8/28/23 16:06
13C3-PFHxS	79.8	55-150		8/28/23 16:06
13C8-PFOS	84.7	45-140		8/28/23 16:06
13C2-4:2FTS	71.2	60-200		8/28/23 16:06
13C2-6:2FTS	82.9	60-200		8/28/23 16:06
13C2-8:2FTS	80.2	50-200		8/28/23 16:06
13C8-PFOSA	74.4	30-130		8/28/23 16:06
D3-NMeFOSA	72.1	15-130		8/28/23 16:06
D5-NEtFOSA	70.3	10-130		8/28/23 16:06
D3-NMeFOSAA	73.0	45-200		8/28/23 16:06
D5-NEtFOSAA	73.1	10-200		8/28/23 16:06
D7-NMeFOSE	68.8	10-150		8/28/23 16:06
D9-NEtFOSE	65.2	10-150		8/28/23 16:06
13C3-HFPO-DA	84.2	25-160		8/28/23 16:06

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23H0887

Date Received: 8/3/2023

Field Sample #: 250WATERST-MW2-WG Sampled: 8/2/2023 10:30

Sample ID: 23H0887-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	9.5	4.0	1.5	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:22	AMS
Perfluoropentanoic acid (PFPeA)	12	2.0	0.35	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:22	AMS
Perfluorohexanoic acid (PFHxA)	12	1.0	0.22	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:22	AMS
Perfluoroheptanoic acid (PFHpA)	9.5	1.0	0.26	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:22	AMS
Perfluorooctanoic acid (PFOA)	110	1.0	0.23	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:22	AMS
Perfluorononanoic acid (PFNA)	1.8	1.0	0.19	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:22	AMS
Perfluorodecanoic acid (PFDA)	ND	1.0	0.19	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:22	AMS
Perfluoroundecanoic acid (PFUnA)	ND	1.0	0.27	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:22	AMS
Perfluorododecanoic acid (PFDoA)	ND	1.0	0.26	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:22	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	1.0	0.27	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:22	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	1.0	0.25	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:22	AMS
Perfluorobutanesulfonic acid (PFBS)	29	1.0	0.26	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:22	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	1.0	0.24	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:22	AMS
Perfluorohexanesulfonic acid (PFHxS)	7.1	1.0	0.21	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:22	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.0	0.31	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:22	AMS
Perfluorooctanesulfonic acid (PFOS)	14	1.0	0.32	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:22	AMS
Perfluorononanesulfonic acid (PFNS)	ND	1.0	0.29	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:22	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	1.0	0.31	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:22	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	1.0	0.27	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:22	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	4.0	0.70	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:22	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	4.0	0.99	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:22	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	4.0	1.1	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:22	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	1.0	0.31	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:22	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	1.0	0.42	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:22	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	1.0	0.31	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:22	AMS
N-MeFOSAA (NMeFOSAA)	ND	1.0	0.44	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:22	AMS
N-EtFOSAA (NEtFOSAA)	ND	1.0	0.22	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:22	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	10	2.6	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:22	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	10	2.5	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:22	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	4.0	1.0	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:22	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	4.0	0.69	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:22	AMS
9Cl-PF3ONS (F53B Minor)	ND	4.0	0.85	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:22	AMS
11Cl-PF3OUdS (F53B Major)	ND	4.0	0.97	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:22	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	10	1.8	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:22	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	50	10	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:22	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	50	8.8	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:22	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.0	0.49	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:22	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	2.0	0.50	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:22	AMS

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23H0887

Date Received: 8/3/2023

Field Sample #: 250WATERST-MW2-WG Sampled: 8/2/2023 10:30

Sample ID: 23H0887-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	2.0	0.40	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:22	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.0	0.87	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:22	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C4-PFBA	16.2	10-130		8/28/23 16:22
13C5-PFPeA	71.6	35-150		8/28/23 16:22
13C5-PFHxA	83.5	55-150		8/28/23 16:22
13C4-PFHpA	95.1	55-150		8/28/23 16:22
13C8-PFOA	81.6	60-140		8/28/23 16:22
13C9-PFNA	84.5	55-140		8/28/23 16:22
13C6-PFDA	81.8	50-140		8/28/23 16:22
13C7-PFUnA	84.2	30-140		8/28/23 16:22
13C2-PFDoA	80.0	10-150		8/28/23 16:22
13C2-PFTeDA	67.0	10-130		8/28/23 16:22
13C3-PFBS	63.1	55-150		8/28/23 16:22
13C3-PFHxS	80.1	55-150		8/28/23 16:22
13C8-PFOS	79.5	45-140		8/28/23 16:22
13C2-4:2FTS	140	60-200		8/28/23 16:22
13C2-6:2FTS	182	60-200		8/28/23 16:22
13C2-8:2FTS	159	50-200		8/28/23 16:22
13C8-PFOSA	80.6	30-130		8/28/23 16:22
D3-NMeFOSA	65.2	15-130		8/28/23 16:22
D5-NEtFOSA	61.5	10-130		8/28/23 16:22
D3-NMeFOSAA	82.3	45-200		8/28/23 16:22
D5-NEtFOSAA	97.5	10-200		8/28/23 16:22
D7-NMeFOSE	64.8	10-150		8/28/23 16:22
D9-NEtFOSE	56.2	10-150		8/28/23 16:22
13C3-HFPO-DA	71.4	25-160		8/28/23 16:22

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23H0887

Date Received: 8/3/2023

Field Sample #: 250WATERST-MW3-WG Sampled: 8/2/2023 07:15

Sample ID: 23H0887-03

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	25	3.9	1.4	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:37	AMS
Perfluoropentanoic acid (PFPeA)	27	2.0	0.34	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:37	AMS
Perfluorohexanoic acid (PFHxA)	24	0.99	0.21	ng/L	1	MS-22	Draft Method 1633	8/25/23	8/28/23 16:37	AMS
Perfluoroheptanoic acid (PFHpA)	2.8	0.99	0.25	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:37	AMS
Perfluorooctanoic acid (PFOA)	24	0.99	0.22	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:37	AMS
Perfluorononanoic acid (PFNA)	6.3	0.99	0.19	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:37	AMS
Perfluorodecanoic acid (PFDA)	0.93	0.99	0.18	ng/L	1	J	Draft Method 1633	8/25/23	8/28/23 16:37	AMS
Perfluoroundecanoic acid (PFUnA)	ND	0.99	0.27	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:37	AMS
Perfluorododecanoic acid (PFDoA)	ND	0.99	0.25	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:37	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	0.99	0.27	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:37	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	0.99	0.25	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:37	AMS
Perfluorobutanesulfonic acid (PFBS)	9.1	0.99	0.26	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:37	AMS
Perfluoropentanesulfonic acid (PFPeS)	0.50	0.99	0.23	ng/L	1	J	Draft Method 1633	8/25/23	8/28/23 16:37	AMS
Perfluorohexanesulfonic acid (PFHxS)	3.6	0.99	0.20	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:37	AMS
Perfluoroheptanesulfonic acid (PFHpS)	0.56	0.99	0.30	ng/L	1	J	Draft Method 1633	8/25/23	8/28/23 16:37	AMS
Perfluorooctanesulfonic acid (PFOS)	36	0.99	0.31	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:37	AMS
Perfluorononanesulfonic acid (PFNS)	ND	0.99	0.29	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:37	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	0.99	0.31	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:37	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	0.99	0.26	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:37	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	3.9	0.69	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:37	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	3.9	0.97	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:37	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	3.9	1.1	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:37	AMS
Perfluorooctanesulfonamide (PFOSA)	3.4	0.99	0.30	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:37	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	0.99	0.41	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:37	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.99	0.30	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:37	AMS
N-MeFOSAA (NMeFOSAA)	ND	0.99	0.43	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:37	AMS
N-EtFOSAA (NEtFOSAA)	2.4	0.99	0.22	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:37	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	9.9	2.6	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:37	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	9.9	2.4	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:37	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	3.9	1.0	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:37	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	3.9	0.68	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:37	AMS
9Cl-PF3ONS (F53B Minor)	ND	3.9	0.84	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:37	AMS
11Cl-PF3OUdS (F53B Major)	ND	3.9	0.95	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:37	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	9.9	1.8	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:37	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	49	10	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:37	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	49	8.7	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:37	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.0	0.48	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:37	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	2.0	0.49	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:37	AMS

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23H0887

Date Received: 8/3/2023

Field Sample #: 250WATERST-MW3-WG Sampled: 8/2/2023 07:15

Sample ID: 23H0887-03

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	2.0	0.40	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:37	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.0	0.85	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:37	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C4-PFBA	41.9	10-130		8/28/23 16:37
13C5-PFPeA	79.0	35-150		8/28/23 16:37
13C5-PFHxA	83.0	55-150		8/28/23 16:37
13C4-PFHpA	80.1	55-150		8/28/23 16:37
13C8-PFOA	81.4	60-140		8/28/23 16:37
13C9-PFNA	83.6	55-140		8/28/23 16:37
13C6-PFDA	75.4	50-140		8/28/23 16:37
13C7-PFUnA	81.0	30-140		8/28/23 16:37
13C2-PFDoA	72.4	10-150		8/28/23 16:37
13C2-PFTeDA	70.9	10-130		8/28/23 16:37
13C3-PFBS	77.0	55-150		8/28/23 16:37
13C3-PFHxS	79.6	55-150		8/28/23 16:37
13C8-PFOS	79.1	45-140		8/28/23 16:37
13C2-4:2FTS	105	60-200		8/28/23 16:37
13C2-6:2FTS	99.2	60-200		8/28/23 16:37
13C2-8:2FTS	93.6	50-200		8/28/23 16:37
13C8-PFOSA	71.6	30-130		8/28/23 16:37
D3-NMeFOSA	64.0	15-130		8/28/23 16:37
D5-NEtFOSA	60.9	10-130		8/28/23 16:37
D3-NMeFOSAA	71.3	45-200		8/28/23 16:37
D5-NEtFOSAA	72.9	10-200		8/28/23 16:37
D7-NMeFOSE	74.5	10-150		8/28/23 16:37
D9-NEtFOSE	59.8	10-150		8/28/23 16:37
13C3-HFPO-DA	81.4	25-160		8/28/23 16:37

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23H0887

Date Received: 8/3/2023

Field Sample #: 250WATERST-MW-4-WG Sampled: 8/2/2023 09:00

Sample ID: 23H0887-04

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	13	3.9	1.4	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:53	AMS
Perfluoropentanoic acid (PFPeA)	11	1.9	0.33	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:53	AMS
Perfluorohexanoic acid (PFHxA)	11	0.96	0.21	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:53	AMS
Perfluoroheptanoic acid (PFHpA)	8.6	0.96	0.25	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:53	AMS
Perfluorooctanoic acid (PFOA)	50	0.96	0.22	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:53	AMS
Perfluorononanoic acid (PFNA)	30	0.96	0.18	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:53	AMS
Perfluorodecanoic acid (PFDA)	1.4	0.96	0.18	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:53	AMS
Perfluoroundecanoic acid (PFUnA)	3.2	0.96	0.26	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:53	AMS
Perfluorododecanoic acid (PFDoA)	ND	0.96	0.25	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:53	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	0.96	0.26	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:53	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	0.96	0.24	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:53	AMS
Perfluorobutanesulfonic acid (PFBS)	6.9	0.96	0.25	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:53	AMS
Perfluoropentanesulfonic acid (PFPeS)	0.96	0.96	0.23	ng/L	1	J	Draft Method 1633	8/25/23	8/28/23 16:53	AMS
Perfluorohexanesulfonic acid (PFHxS)	5.4	0.96	0.20	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:53	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.96	0.29	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:53	AMS
Perfluorooctanesulfonic acid (PFOS)	52	0.96	0.31	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:53	AMS
Perfluorononanesulfonic acid (PFNS)	ND	0.96	0.28	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:53	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	0.96	0.30	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:53	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	0.96	0.26	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:53	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	3.9	0.67	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:53	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	3.9	0.95	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:53	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	3.9	1.0	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:53	AMS
Perfluorooctanesulfonamide (PFOSA)	22	0.96	0.30	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:53	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	0.96	0.40	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:53	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.96	0.30	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:53	AMS
N-MeFOSAA (NMeFOSAA)	ND	0.96	0.42	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:53	AMS
N-EtFOSAA (NEtFOSAA)	2.5	0.96	0.21	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:53	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	9.6	2.5	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:53	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	9.6	2.4	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:53	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	3.9	1.0	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:53	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	3.9	0.66	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:53	AMS
9Cl-PF3ONS (F53B Minor)	ND	3.9	0.82	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:53	AMS
11Cl-PF3OUdS (F53B Major)	ND	3.9	0.93	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:53	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	9.6	1.7	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:53	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	48	9.8	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:53	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	48	8.5	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:53	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9	0.47	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:53	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	1.9	0.48	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:53	AMS

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23H0887

Date Received: 8/3/2023

Field Sample #: 250WATERST-MW-4-WG Sampled: 8/2/2023 09:00

Sample ID: 23H0887-04

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	1.9	0.39	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:53	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	0.83	ng/L	1		Draft Method 1633	8/25/23	8/28/23 16:53	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C4-PFBA	32.0	10-130		8/28/23 16:53
13C5-PFPeA	71.4	35-150		8/28/23 16:53
13C5-PFHxA	76.6	55-150		8/28/23 16:53
13C4-PFHpA	79.6	55-150		8/28/23 16:53
13C8-PFOA	76.3	60-140		8/28/23 16:53
13C9-PFNA	78.9	55-140		8/28/23 16:53
13C6-PFDA	80.9	50-140		8/28/23 16:53
13C7-PFUnA	81.6	30-140		8/28/23 16:53
13C2-PFDoA	74.6	10-150		8/28/23 16:53
13C2-PFTeDA	66.0	10-130		8/28/23 16:53
13C3-PFBS	66.1	55-150		8/28/23 16:53
13C3-PFHxS	74.3	55-150		8/28/23 16:53
13C8-PFOS	81.9	45-140		8/28/23 16:53
13C2-4:2FTS	132	60-200		8/28/23 16:53
13C2-6:2FTS	118	60-200		8/28/23 16:53
13C2-8:2FTS	110	50-200		8/28/23 16:53
13C8-PFOSA	70.9	30-130		8/28/23 16:53
D3-NMeFOSA	68.1	15-130		8/28/23 16:53
D5-NEtFOSA	66.0	10-130		8/28/23 16:53
D3-NMeFOSAA	75.1	45-200		8/28/23 16:53
D5-NEtFOSAA	79.9	10-200		8/28/23 16:53
D7-NMeFOSE	68.6	10-150		8/28/23 16:53
D9-NEtFOSE	63.3	10-150		8/28/23 16:53
13C3-HFPO-DA	71.9	25-160		8/28/23 16:53

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23H0887

Date Received: 8/3/2023

Field Sample #: 250WATERST-DUP-WG-20230802 Sampled: 8/2/2023 00:00

Sample ID: 23H0887-05

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	14	3.8	1.4	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:09	AMS
Perfluoropentanoic acid (PFPeA)	11	1.9	0.33	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:09	AMS
Perfluorohexanoic acid (PFHxA)	11	0.95	0.20	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:09	AMS
Perfluoroheptanoic acid (PFHpA)	8.8	0.95	0.24	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:09	AMS
Perfluorooctanoic acid (PFOA)	49	0.95	0.21	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:09	AMS
Perfluorononanoic acid (PFNA)	30	0.95	0.18	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:09	AMS
Perfluorodecanoic acid (PFDA)	1.3	0.95	0.18	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:09	AMS
Perfluoroundecanoic acid (PFUnA)	3.4	0.95	0.26	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:09	AMS
Perfluorododecanoic acid (PFDoA)	ND	0.95	0.25	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:09	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	0.95	0.26	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:09	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	0.95	0.24	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:09	AMS
Perfluorobutanesulfonic acid (PFBS)	7.3	0.95	0.25	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:09	AMS
Perfluoropentanesulfonic acid (PFPeS)	0.81	0.95	0.23	ng/L	1	J	Draft Method 1633	8/25/23	8/28/23 17:09	AMS
Perfluorohexanesulfonic acid (PFHxS)	6.2	0.95	0.20	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:09	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.95	0.29	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:09	AMS
Perfluorooctanesulfonic acid (PFOS)	52	0.95	0.30	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:09	AMS
Perfluorononanesulfonic acid (PFNS)	ND	0.95	0.28	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:09	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	0.95	0.30	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:09	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	0.95	0.25	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:09	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	3.8	0.66	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:09	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	3.8	0.94	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:09	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	3.8	1.0	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:09	AMS
Perfluorooctanesulfonamide (PFOSA)	22	0.95	0.29	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:09	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	0.95	0.39	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:09	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.95	0.29	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:09	AMS
N-MeFOSAA (NMeFOSAA)	ND	0.95	0.42	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:09	AMS
N-EtFOSAA (NEtFOSAA)	2.3	0.95	0.21	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:09	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	9.5	2.5	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:09	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	9.5	2.3	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:09	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	3.8	0.99	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:09	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	3.8	0.65	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:09	AMS
9Cl-PF3ONS (F53B Minor)	ND	3.8	0.81	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:09	AMS
11Cl-PF3OUdS (F53B Major)	ND	3.8	0.92	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:09	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	9.5	1.7	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:09	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	47	9.7	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:09	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	47	8.4	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:09	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9	0.47	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:09	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	1.9	0.47	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:09	AMS

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23H0887

Date Received: 8/3/2023

Field Sample #: 250WATERST-DUP-WG-20230802 Sampled: 8/2/2023 00:00

Sample ID: 23H0887-05

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	1.9	0.38	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:09	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	0.82	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:09	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C4-PFBA	26.6	10-130		8/28/23 17:09
13C5-PFPeA	69.0	35-150		8/28/23 17:09
13C5-PFHxA	77.0	55-150		8/28/23 17:09
13C4-PFHpA	78.9	55-150		8/28/23 17:09
13C8-PFOA	78.0	60-140		8/28/23 17:09
13C9-PFNA	77.7	55-140		8/28/23 17:09
13C6-PFDA	78.7	50-140		8/28/23 17:09
13C7-PFUnA	79.2	30-140		8/28/23 17:09
13C2-PFDoA	71.5	10-150		8/28/23 17:09
13C2-PFTeDA	59.5	10-130		8/28/23 17:09
13C3-PFBS	61.6	55-150		8/28/23 17:09
13C3-PFHxS	73.3	55-150		8/28/23 17:09
13C8-PFOS	76.4	45-140		8/28/23 17:09
13C2-4:2FTS	130	60-200		8/28/23 17:09
13C2-6:2FTS	119	60-200		8/28/23 17:09
13C2-8:2FTS	103	50-200		8/28/23 17:09
13C8-PFOSA	64.8	30-130		8/28/23 17:09
D3-NMeFOSA	62.2	15-130		8/28/23 17:09
D5-NEtFOSA	60.3	10-130		8/28/23 17:09
D3-NMeFOSAA	68.0	45-200		8/28/23 17:09
D5-NEtFOSAA	76.1	10-200		8/28/23 17:09
D7-NMeFOSE	61.6	10-150		8/28/23 17:09
D9-NEtFOSE	56.0	10-150		8/28/23 17:09
13C3-HFPO-DA	69.0	25-160		8/28/23 17:09

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Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23H0887

Date Received: 8/3/2023

Field Sample #: 250WATERST-EB-20230802 Sampled: 8/2/2023 13:00

Sample ID: 23H0887-06

Sample Matrix: Equipment Blank Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	4.0	1.4	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:24	AMS
Perfluoropentanoic acid (PFPeA)	ND	2.0	0.34	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:24	AMS
Perfluorohexanoic acid (PFHxA)	ND	0.99	0.21	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:24	AMS
Perfluoroheptanoic acid (PFHpA)	ND	0.99	0.25	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:24	AMS
Perfluorooctanoic acid (PFOA)	ND	0.99	0.22	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:24	AMS
Perfluorononanoic acid (PFNA)	ND	0.99	0.19	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:24	AMS
Perfluorodecanoic acid (PFDA)	ND	0.99	0.18	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:24	AMS
Perfluoroundecanoic acid (PFUnA)	ND	0.99	0.27	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:24	AMS
Perfluorododecanoic acid (PFDoA)	ND	0.99	0.26	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:24	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	0.99	0.27	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:24	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	0.99	0.25	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:24	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	0.99	0.26	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:24	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	0.99	0.24	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:24	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	0.99	0.20	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:24	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.99	0.30	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:24	AMS
Perfluorooctanesulfonic acid (PFOS)	ND	0.99	0.32	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:24	AMS
Perfluorononanesulfonic acid (PFNS)	ND	0.99	0.29	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:24	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	0.99	0.31	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:24	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	0.99	0.26	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:24	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	4.0	0.69	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:24	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	4.0	0.98	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:24	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	4.0	1.1	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:24	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	0.99	0.30	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:24	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	0.99	0.41	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:24	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.99	0.31	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:24	AMS
N-MeFOSAA (NMeFOSAA)	ND	0.99	0.44	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:24	AMS
N-EtFOSAA (NEtFOSAA)	ND	0.99	0.22	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:24	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	9.9	2.6	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:24	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	9.9	2.4	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:24	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	4.0	1.0	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:24	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	4.0	0.68	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:24	AMS
9Cl-PF3ONS (F53B Minor)	ND	4.0	0.85	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:24	AMS
11Cl-PF3OUdS (F53B Major)	ND	4.0	0.96	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:24	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	9.9	1.8	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:24	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	50	10	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:24	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	50	8.7	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:24	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.0	0.49	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:24	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	2.0	0.49	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:24	AMS

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, Manhattan, NY Sample Description: Work Order: 23H0887

Date Received: 8/3/2023

Field Sample #: 250WATERST-EB-20230802 Sampled: 8/2/2023 13:00

Sample ID: 23H0887-06

Sample Matrix: Equipment Blank Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	2.0	0.40	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:24	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.0	0.86	ng/L	1		Draft Method 1633	8/25/23	8/28/23 17:24	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C4-PFBA	81.2	10-130		8/28/23 17:24
13C5-PFPeA	82.0	35-150		8/28/23 17:24
13C5-PFHxA	81.4	55-150		8/28/23 17:24
13C4-PFHpA	77.0	55-150		8/28/23 17:24
13C8-PFOA	78.5	60-140		8/28/23 17:24
13C9-PFNA	84.3	55-140		8/28/23 17:24
13C6-PFDA	82.3	50-140		8/28/23 17:24
13C7-PFUnA	83.0	30-140		8/28/23 17:24
13C2-PFDoA	73.1	10-150		8/28/23 17:24
13C2-PFTeDA	72.5	10-130		8/28/23 17:24
13C3-PFBS	77.1	55-150		8/28/23 17:24
13C3-PFHxS	81.1	55-150		8/28/23 17:24
13C8-PFOS	80.0	45-140		8/28/23 17:24
13C2-4:2FTS	68.7	60-200		8/28/23 17:24
13C2-6:2FTS	76.8	60-200		8/28/23 17:24
13C2-8:2FTS	76.2	50-200		8/28/23 17:24
13C8-PFOSA	70.5	30-130		8/28/23 17:24
D3-NMeFOSA	63.0	15-130		8/28/23 17:24
D5-NEtFOSA	63.6	10-130		8/28/23 17:24
D3-NMeFOSAA	73.7	45-200		8/28/23 17:24
D5-NEtFOSAA	72.1	10-200		8/28/23 17:24
D7-NMeFOSE	72.5	10-150		8/28/23 17:24
D9-NEtFOSE	66.8	10-150		8/28/23 17:24
13C3-HFPO-DA	82.8	25-160		8/28/23 17:24

1 - FORM I
ANALYSIS DATA SHEET

Instrument Blank

Laboratory:	Pace New England			Work Order:	23H0887
Client:	NYDEC_TRC Engineers, Inc. - New York, NY		Project:	250 Water Street P-site CAT B - CO 147098	
Matrix:	Water	Laboratory ID:	S092705-IBL1	File ID:	IBL1R_1633_082823.d
Sampled:		Prepared:	08/28/23 00:00	Analyzed:	08/28/23 10:14
Solids:		Preparation:	B348287	Dilution:	
Batch:	S092705	Sequence:	S092705	Calibration:	2301027
Instrument:	QQQ5				
Column:	1				

CAS NO.	COMPOUND	CONC. (ng/mL)	MDL	RL	Q
375-22-4	Perfluorobutanoic acid (PFBA)		0.15	0.40	
2706-90-3	Perfluoropentanoic acid (PFPeA)		0.035	0.20	
307-24-4	Perfluorohexanoic acid (PFHxA)		0.022	0.10	
375-85-9	Perfluoroheptanoic acid (PFHpA)		0.025	0.10	
335-67-1	Perfluorooctanoic acid (PFOA)		0.023	0.10	
375-95-1	Perfluorononanoic acid (PFNA)		0.019	0.10	
335-76-2	Perfluorodecanoic acid (PFDA)		0.018	0.10	
2058-94-8	Perfluoroundecanoic acid (PFUnA)		0.027	0.10	
307-55-1	Perfluorododecanoic acid (PFDoA)		0.026	0.10	
72629-94-8	Perfluorotridecanoic acid (PFTrDA)		0.027	0.10	
376-06-7	Perfluorotetradecanoic acid (PFTeDA)		0.025	0.10	
375-73-5	Perfluorobutanesulfonic acid (PFBS)		0.026	0.10	
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)		0.024	0.10	
355-46-4	Perfluorohexanesulfonic acid (PFHxS)		0.021	0.10	
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)		0.031	0.10	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	16.2	0.032	0.10	
68259-12-1	Perfluorononanesulfonic acid (PFNS)		0.029	0.10	
335-77-3	Perfluorodecanesulfonic acid (PFDS)		0.031	0.10	
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)		0.027	0.10	
757124-72-4	1H,1H,2H,2H-Perfluorohexane sulfonic acid (		0.070	0.40	
27619-97-2	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6		0.099	0.40	
39108-34-4	1H,1H,2H,2H-Perfluorodecane sulfonic acid (		0.11	0.40	
754-91-6	Perfluorooctanesulfonamide (PFOSA)		0.031	0.10	
31506-32-8	N-methyl perfluoroocatnesulfonamide (NMeF		0.042	0.10	
4151-50-2	N-ethyl perfluorooctanesulfonamide (NEtFOS		0.031	0.10	
2355-31-9	N-MeFOSAA (NMeFOSAA)		0.044	0.10	
2991-50-6	N-EtFOSAA (NEtFOSAA)		0.022	0.10	
24448-09-7	N-methylperfluorooctanesulfonamidoethanol(		0.26	1.0	
1691-99-2	N-ethylperfluorooctanesulfonamidoethanol (N		0.25	1.0	
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPC		0.10	0.40	

1 - FORM I
ANALYSIS DATA SHEET

Instrument Blank

Laboratory:	Pace New England			Work Order:	23H0887
Client:	NYDEC_TRC Engineers, Inc. - New York, NY		Project:	250 Water Street P-site CAT B - CO 147098	
Matrix:	Water	Laboratory ID:	S092705-IBL1	File ID:	IBL1R_1633_082823.d
Sampled:		Prepared:	08/28/23 00:00	Analyzed:	08/28/23 10:14
Solids:		Preparation:	B348287	Dilution:	
Batch:	S092705	Sequence:	S092705	Calibration:	2301027
Instrument:	QQQ5				
Column:	1				

CAS NO.	COMPOUND	CONC. (ng/mL)	MDL	RL	Q
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADON/		0.069	0.40	
756426-58-1	9Cl-PF3ONS (F53B Minor)		0.085	0.40	
763051-92-9	11Cl-PF3OUdS (F53B Major)		0.097	0.40	
356-02-5	3-Perfluoropropyl propanoic acid (FPrPA)(3:3		0.18	1.0	
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)		1.0	5.0	
812-70-4	3-Perfluoroheptyl propanoic acid (FHpPA)(7:3	77.6	0.88	5.0	
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEE		0.049	0.20	
377-73-1	Perfluoro-3-methoxypropanoic acid (PFMPA)		0.050	0.20	
863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMBA)		0.040	0.20	
151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)		0.087	0.20	

Data Usability Summary Report

Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

250 Water St., Manhattan, NY
Pace/Con-Test Analytical Laboratory SDG#23H0919
November 30, 2023
Sampling date: 8/2/2023

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for TRC Engineers, Inc., project located at 250 Water St., Manhattan, NY, SDG#23H0919 submitted to Vali-Data of WNY, LLC on October 10, 2023. This DUSR has been prepared in general compliance with USEPA National Functional Guidelines(NFG) and NYSDEC Analytical Services Protocols. The laboratory performed the analyses using USEPA method Volatile Organics (8260D), Semi-Volatile Organics (8270E), Pesticide (8081B), PCB (8082A), Inorganics/Mercury (6010D, 7470A) and in accordance with wet chemistry methods.

ID	Sample ID	Laboratory ID
1	250WATERST-MW1-WG	23H0919-01
2	250WATERST-MW2-WG	23H0919-02
3	250WATERST-MW3-WG	23H0919-03
4	250WATERST-MW4-WG	23H0919-04
5	250WATERST-DUP-WG-20230802	23H0919-05
6	250WATERST-EB-20230802	23H0919-06
7	250WATERST-TB-20230802	23H0919-07

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Internal Standard (IS) Area Performance
-Surrogate Spike Recoveries
-Method Blank
-Field Duplicate Sample Precision
-Laboratory Control Samples
-MS/MSD
-Compound Quantitation
-Initial Calibration
-Continuing Calibration
-GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Laboratory Control Samples, MS/MSD, Initial Calibration and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met except several target analytes were outside QC limits in the laboratory control samples and should be qualified as estimated.

LCS ID	Target Analyte	%Rec LCS	%Rec LCSD	Qualifier	Associated Sample
B348515	Bromoform	67.3	67.6	UJ	1-7
B348515	1,2,3-Trichlorobenzene	68.5	69.0	UJ	1-7
B348515	1,2,4-Trichlorobenzene	64.8	62.2	UJ	1-7

MS/MSD
All criteria were met except several target analytes were outside QC limits in the matrix spikes and should be qualified as estimated.

Target Analyte	%Rec 3MS	%Rec 3MSD	Qualifier	Associated Sample
Bromoform	67.1	65.8	UJ	3
Methyl acetate	63.1	60.0	UJ	3
1,2,3-Trichlorobenzene	64.6	66.1	UJ	3
1,2,4-Trichlorobenzene	59.1	62.5	UJ	3

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met except a target analyte was outside QC limit in the initial calibration and/or the initial calibration verification and should be qualified as estimated in the associated samples, blanks and spikes.

ICal/ICV ID	Target Analyte	%D/RRF	Qualifier	Associated Sample
ICal/ICV GCMSVOA3	1,4-Dioxane	RRF	UJ/J	B348515, 1-7, 3MS/MSD

CONTINUING CALIBRATION
All criteria were met except several target analytes were outside QC limits in the continuing calibrations and should be qualified as estimated in the associated samples, blanks and spikes.

Ccal ID	Target Analyte	%D/RRF	Qualifier	Associated Sample
S091762-CCV1	1,4-Dioxane	RRF	UJ/J	B348515, 1-7, 3MS/MSD
S091762-CCV1	Bromochloromethane	31.6	UJ/J	B348515, 1-7, 3MS/MSD
S091762-CCV1	Bromomethane	44.1	UJ/J	B348515, 1-7, 3MS/MSD

GC/MS PERFORMANCE CHECK
All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation

- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Holding Times, Surrogate Spike Recoveries, Method Blank, Laboratory Control Samples, MS/MSD, Compound Quantitation, Initial Calibration and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met except the reextracted samples and spikes were extracted outside hold time. All target analytes detected in DUSR ID#1RE-6RE and #3MSRE/MDSRE should be qualified as estimated low. All target analytes not detected in DUSR ID#1RE-6RE and #3MSRE/MDSRE should be qualified as unusable.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except several surrogates were outside QC limits. Associated target analytes in these samples should be qualified as estimated.
The %Rec of 2,4,6-Tribromophenol was outside QC limits, low in DUSR ID#3. The following target analytes should be qualified as estimated in this sample. The %Rec of 2,4,6-Tribromophenol was outside QC limits <10% in DUSR ID#4, #5, #4RE, #5RE and #3MSRE/MSDRE. The following target analytes should be qualified as estimated if detected or unusable if not detected in these samples.

2,4,6-Trichlorophenol	2,4-Dinitrophenol	4,6-Dinitro-2-methylphenol
2,4,5-Trichlorophenol	4-Nitrophenol	Pentachlorophenol

The %Rec of 2-Fluorophenol was outside QC limits, low in DUSR ID#3, #5RE and B348279-BS1. The following target analytes should be qualified as estimated in these samples. The %Rec of 2-Fluorophenol was outside QC limits <10% in DUSR ID#4, #5, #4RE and #3MSRE/MSDRE. The following target analytes should be qualified as estimated if detected or unusable if not detected in these samples.

Phenol	2-Nitrophenol	2,4-Dimethylphenol
2-Chlorophenol	2,4-Dichlorophenol	4-Chloro-3-methylphenol

METHOD BLANK

All the criteria were met except a target analyte was detected in the blank should be qualified in the associated sample in which it was detected.

Blank ID	Target Analyte	Concentration	Qualifier	Associated Sample
B348279	Di-n-butylphthalate	22.5mg/L	JH	1

FIELD DUPLICATE SAMPLE PRECISION

All criteria were met except Phenol(8/14/23) and Caprolactam(8/7/23) were detected in DUSR ID#5 but were not detected in #4.
1,4-Dioxane was detected in DUSR ID#4 but was not detected in #5.

LABORATORY CONTROL SAMPLES

All criteria were met except several target analytes were outside QC limits in the laboratory control samples and should be qualified as estimated.

LCS ID	Target Analyte	%Rec LCS	%Rec LCSD	RPD	Qualifier	Associated Sample
B348279	Caprolactam	29.8	28.4	-	UJ/J	1-6
B348279	2,4-Dinitrophenol	1.7	-	192	UJ	1-6
B348279	2-Nitrophenol	25.9	-	103	UJ	1-6
B348279	4,6-Dinitro-2-methylphenol	3.32	-	198	UJ	1-6
B348279	4-Nitrophenol	9.03	-	132	UJ	1-6
B348279	Pentachlorophenol	13.1	-	146	UJ	1-6
B348279	2,4,5-Trichlorophenol	20.2	-	124	UJ	1-6
B348279	2,4,6-Trichlorophenol	9.06	-	162	UJ	1-6
B348279	2-Chlorophenol	-	-	69.3	UJ	1-6
B348279	2,4-Dichlorophenol	-	-	78.8	UJ	1-6
B348279	Phenol	-	-	28.5	UJ/J	1-6
B348928	Caprolactam	24.9	24.5	-	UJ/J	1RE-6RE
B348928	Hexachlorobutadiene	24.2	30.6	23.2	UJ	1RE-6RE
B348928	Hexachlorocyclopentadiene	26.2	28.8	-	UJ	1RE-6RE
B348928	Hexachloroethane	24.3	28.8	-	UJ	1RE-6RE

LCS ID	Target Analyte	%Rec LCS	%Rec LCSD	RPD	Qualifier	Associated Sample
B348928	Naphthalene	36.7	39.3	-	UJ	1RE-6RE
B348928	2,4-Dinitrophenol	-	-	62.8	UJ	1RE-6RE

Some target analytes were outside QC limits in the laboratory control sample or the laboratory control sample duplicate but not both, so no further action is required.

MS/MSD

All criteria were met except several target analytes were outside QC limits in the matrix spikes and should be qualified as estimated.

Target Analyte	%Rec #3MS	%Rec #3MSD	RPD	Qualifier	Associated Sample
Caprolactam	39.8	33.5	-	UJ	3
4,6-Dinitro-2-methylphenol	9.46	3.79	87.6	R	3
2,4-Dinitrophenol	5.00	1.47	109	R	3
Hexachloroethane	38.1	35.9	-	UJ	3
2,4,5-Trichlorophenol	-	-	36.0	UJ	3
2,4,6-Trichlorophenol	26.3	14.2	60.2	UJ	3
2-Nitrophenol	-	-	37.2	UJ	3

Target Analyte	%Rec #3MSRE	%Rec #3MSDRE	Qualifier	Associated Sample
Caprolactam	29.8	27.2	J	3RE
4,6-Dinitro-2-methylphenol	2.76	3.02	R	3RE
2,4-Dinitrophenol	1.32	.960	R	3RE
2-Chlorophenol	23.4	22.7	UJ	3RE
2,4,5-Trichlorophenol	7.23	6.35	R	3RE
2,4,6-Trichlorophenol	4.18	4.15	R	3RE
2-Nitrophenol	17.4	16.6	UJ	3RE
2,4-Dichlorophenol	18.4	17.9	UJ	3RE

COMPOUND QUANTITATION

All criteria were met except a target analyte was detected in the sample blank and should be qualified in the associated samples in which it was detected.

Blank ID	Target Analyte	Concentration(ug/L)	Qualifier	Associated Sample
6	Phenol	9.2	U at RL	1, 4, 5

INITIAL CALIBRATION

All criteria were met except the %D of a target analyte was outside QC limits in the initial calibrations. This target analyte should be qualified as estimated in the associated blanks,

samples and spikes.

Ical instrument ID	Target Analyte	RRF/%RSD	Qualifier	Associated Sample
GCMSSV9	Bis(2-ethyl hexyl)phthalate	23.9	UJ/J	B348279, B348928, 1-6, 1RE-6RE, 3MS/MSD, 3MSRE/MSDRE

Alternate forms of regression were performed on some target analytes, with acceptable results except where noted above.

CONTINUING CALIBRATION

All criteria were met except a target analyte was outside QC limits in the continuing calibrations and should be qualified as estimated in the associated samples, blanks and spikes.

CCal ID	Target Analyte	RRF/%D	Qualifier	Associated Sample
S092151-CCV1	Bis(2-Chloroisopropyl)ether	24.3	UJ/J	B348928, B348279, 3MS/MSD
S092198-CCV1	Bis(2-Chloroisopropyl)ether	29.9	UJ/J	1-6, 1RE-6RE
S092215-CCV1	Bis(2-Chloroisopropyl)ether	22.5	UJ/J	3MSRE/MSDRE

Some target analytes were outside laboratory QC limits but within NFG QC limits, so no further action is required.

The %D for a few target analytes was miscalculated and should be corrected on Form VII (Continuing Calibration Verification).

CCal ID	Target Analyte	%D reported	%D calculated
S092151-CCV2	Benzaldehyde	256	.94
S092151-CCV2	Atrazine	296	11
S092151-CCV2	Caprolactam	248	13.1

GC/MS PERFORMANCE CHECK

All criteria were met.

PESTICIDES

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times

- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Laboratory Control Samples, MS/MSD, Initial Calibration and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met except Hexachlorobenzene was detected in B348522-BLK1. This target analyte was not detected in the associated samples, so no further action is required.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met except several target analytes were outside QC limits in the laboratory control samples and should be qualified as estimated in the associated samples.

LCS ID	Target Analyte	%Rec LCS	RPD	Qualifier	Associated Samples
B348522	Endosulfan sulfate	41.8	66.4	UJ	1-6
B348522	Alachlor	-	42.1	UJ	1-6
B348522	Alpha-BHC	-	23.5	UJ	1-6
B348522	Beta-BHC	-	21.9	UJ	1-6
B348522	Delta-BHC	-	39.6	UJ	1-6
B348522	Gamma-BHC	-	26.3	UJ	1-6
B348522	Dieldrin	-	22.8	UJ	1-6
B348522	Endosulfan II	-	21.0	UJ	1-6
B348522	Endrin Ketone	-	35.2	UJ	1-6

The RPD of Hexachlorobenzene was outside QC limits between the columns in B348522-BS1 and B348522-BSD1 and should be qualified as estimated.
Some target analytes were outside QC limits off the confirmatory column. No further action is required.

MS/MSD
All criteria were met except the RPD of Hexachlorobenzene was outside QC limits between the columns in DUSR ID#3MS and #3MSD and should be qualified as estimated.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met except a target analyte was outside QC limits in the initial calibration verification and should be qualified as estimated in the associated samples, blanks and spikes.

ICal/ICV ID	Target Analyte	Column	%D	Qualifier	Associated Sample
ICV ECD6	Chlordane p2, 3	1	33.2, 20.8	UJ	B348522-BLK1, 1-6
ICV ECD6	Chlordane p2, 3	2	31.8, -33.3	UJ	B348522-BLK1

CONTINUING CALIBRATION
All criteria were met except a target analyte was outside QC limits in the continuing calibration and should be qualified as estimated in the associated samples, blanks and spikes.

Ccal ID	Target Analyte	Column	%D	Qualifier	Associated Sample
S092170-CCV1	Hexachlorobenzene	2	25.5	J	B348522, 3MS/MSD

Some target analytes were outside laboratory QC limits but within NFG limits, so no further action is required.

PCB

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in MS/MSD and Initial Calibration.

DATA COMPLETENESS
All criteria were met except the injection log for DUSR ID#1, #2, #4, #5 and #3MS/MSD was not included in the package. After reviewing the raw data, the samples were run within the holding times, so no further action is required.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met except a couple of target analytes were outside QC limits in the matrix spikes and should be qualified as estimated.

Target Analyte	RPD #3MS/MSD	Column	Qualifier	Associated Sample
Aroclor 1016	27.1	1	UJ	3
Aroclor 1260	38.0	1	UJ	3
Aroclor 1016	33.8	2	UJ	None
Aroclor 1260	26.0	2	UJ	None

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met except several target analytes were outside QC limits in the initial calibration verification and should be qualified as estimated in the associated samples, blanks and spikes.

ICV Instrument ID	Target Analyte	Column	%D	Qualifier	Associated Sample
ECD4	Aroclor 1268 p4, 5	1	Various	UJ	B348521-BLK1
ECD4	Aroclor 1268 p4, 5	2	Various	UJ	B348521-BLK1
ECD3	Aroclor 1260 p1, 4	2	Various	UJ	B348521
ECD3	Aroclor 1242 p3	2	-20.4	UJ	B348521-BLK1
ECD3	Aroclor 1268 p4	1	34.7	UJ	B348521-BLK1
ECD3	Aroclor 1268 p4	2	28.1	UJ	B348521-BLK1
ECD3	Aroclor 1221 p2	1	-36.8	UJ	B348521-BLK1
ECD3	Aroclor 1262 p1, 2	1	Various	UJ	B348521-BLK1
ECD3	Aroclor 1221 p3	2	-23.0	UJ	B348521-BLK1
ECD3	Aroclor 1262 p2	2	-23.0	UJ	B348521-BLK1

CONTINUING CALIBRATION
All criteria were met.

METALS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Blanks
-Laboratory Control Sample
-MS/MSD/Duplicate
-Field Duplicate
-Serial Dilution
-Compound Quantitation
-Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Blanks, Compound Quantitation and Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All criteria were met.

BLANKS
All criteria were met except several target analytes were detected in the blanks and should be qualified in the associated samples in which they were detected.

Blank ID	Target Analyte	Concentration(mg/L)	Qualifier	Associated Sample
B348248	Ag	.0035	U at RL	1t, 4t-6t
S091771-CCB2	Ag	.0037	U at RL	1t, 4t-6t
S091771-CCB3	Ag	.0036	U at RL	1t, 4t-6t
S091771-CCB4	Ag	.0038	U at RL	1t, 4t-6t

LABORATORY CONTROL SAMPLE
All criteria were met.

MS/MSD/DUPLICATE
All criteria were met.
Some target analytes were outside QC limits in the matrix spike or the matrix spike duplicate but not both, so no further action is required.

FIELD DUPLICATE
All criteria were met.

SERIAL DILUTION
No serial dilution was performed.

COMPOUND QUANTITATION
All criteria were met except Ag was detected in DUSR ID#6t but is considered undetected due to a method blank detection. No further action is required.

CALIBRATION
All criteria were met except the %Rec of several target analytes was outside QC limits in the Low-Concentration Calibration Verification. These target analytes should be qualified as estimated in the associated samples, blanks and spikes.

Calibration ID	Target Analyte	%D or %Rec	Qualifier	Associated Sample
S092143-CCV1	Mn	51.1	UJ/J	B348248, 3t, 3tMS/MSD
S092143-CCV1	Se	49.1	UJ/J	B348248, 3t, 3tMS/MSD
S092143-CCV1	V	51.0	UJ/J	B348248, 3t, 3tMS/MSD
S091695-LCV1	Sb	-16.0	UJ/J	B348248, 1t-6t, 3tMS/MSD
S091695-LCV1	As	-12.8	UJ/J	B348248, 1t-6t, 3tMS/MSD
S091695-LCV1	Be	12.6	UJ/J	B348248, 1t-6t, 3tMS/MSD
S091695-LCV1	Cu	11.6	UJ/J	B348248, 1t-6t, 3tMS/MSD
S091695-LCV1	Zn	14.6	UJ/J	B348248, 1t-6t, 3tMS/MSD
S091695-LCV2	Ag	13.4	UJ/J	B348248, 1t-6t, 3tMS/MSD
S092125-LCV1	Mn	13.9	UJ/J	B348248, 1t-6t, 3tMS/MSD
S092125-LCV1	Se	11.1	UJ/J	B348248, 1t-6t, 3tMS/MSD
S092125-LCV1	V	11.0	UJ/J	B348248, 1t-6t, 3tMS/MSD
S092213-CCV1	As	49.7	UJ/J	B348401, 1d-5d, 3dMS/MSD
S092213-CCV1	Ca	49.4	UJ/J	B348401, 1d-5d, 3dMS/MSD

Calibration ID	Target Analyte	%D or %Rec	Qualifier	Associated Sample
S092213-CCV1	Pb	50.4	UJ/J	B348401, 1d-5d, 3dMS/MSD
S092213-CCV1	Se	49.9	UJ/J	B348401, 1d-5d, 3dMS/MSD
S092213-CCV1	Na	47.2	UJ/J	B348401, 1d-5d, 3dMS/MSD
S092213-CCV1	Tl	48.6	UJ/J	B348401, 1d-5d, 3dMS/MSD
S092213-CCV1	Zn	50.8	UJ/J	B348401, 1d-5d, 3dMS/MSD
S091822-LCV1	Al	11.7	UJ/J	B348401, 1d-5d, 3dMS/MSD
S091822-LCV1	Cd	19.8	UJ/J	B348401, 1d-5d, 3dMS/MSD
S091822-LCV1	Cr	10.7	UJ/J	B348401, 1d-5d, 3dMS/MSD
S091822-LCV1	Co	14.4	UJ/J	B348401, 1d-5d, 3dMS/MSD
S091822-LCV1	Cu	13.1	UJ/J	B348401, 1d-5d, 3dMS/MSD
S091822-LCV1	Fe	11.3	UJ/J	B348401, 1d-5d, 3dMS/MSD
S091822-LCV1	Ni	10.5	UJ/J	B348401, 1d-5d, 3dMS/MSD
S091822-LCV1	Ag	12.5	UJ/J	B348401, 1d-5d, 3dMS/MSD
S092168-LCV1	Zn	12.2	UJ/J	B348401, 1d-5d, 3dMS/MSD
S092168-LCV2	As	-15.4	UJ/J	B348401, 1d-5d, 3dMS/MSD

GENERAL CHEMISTRY

The following items/criteria were reviewed for this analytical suite:

- Cyanide

The items listed above were technically in compliance with the method and SOP criteria with any exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below.

CYANIDE

All criteria were met except DUSR ID#5d was outside hold time and should be qualified as unusable.

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

Dissolved analyses canceled on equipment blank sample due to blanks not being field filtered.

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SW-846 6010D

Qualifications:

B

Analyte is found in the associated laboratory blank as well as in the sample.

Analyte & Samples(s) Qualified:

Silver
23H0919-01[250WATERST-MW1-WG], 23H0919-04[250WATERST-MW4-WG], 23H0919-05[250WATERST-DUP-WG-20230802], 23H0919-06[250WATERST-EB-20230802], B348248-BLK1

B-05

Data is not affected by elevated level in laboratory blank since sample(s) result is "Not Detected".

Analyte & Samples(s) Qualified:

Silver
23H0919-02[250WATERST-MW2-WG], 23H0919-03[250WATERST-MW3-WG-MS/MSD]

MS-19

Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.

Analyte & Samples(s) Qualified:

Calcium
23H0919-03[250WATERST-MW3-WG-MS/MSD], B348401-MS2, B348401-MSD2

Manganese
23H0919-03[250WATERST-MW3-WG-MS/MSD], B348248-MSD3

Sodium
23H0919-03[250WATERST-MW3-WG-MS/MSD], B348401-MS2, B348401-MSD2

MS-22

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.

Analyte & Samples(s) Qualified:

Calcium
23H0919-03[250WATERST-MW3-WG-MS/MSD], B348248-MS1, B348248-MSD1

Magnesium
23H0919-03[250WATERST-MW3-WG-MS/MSD], B348248-MS1, B348248-MSD1

SW-846 8081B

Qualifications:

B

Analyte is found in the associated laboratory blank as well as in the sample.

Analyte & Samples(s) Qualified:

Hexachlorobenzene
B348522-BS1, B348522-BSD1, B348522-MS1, B348522-MSD1

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R-05

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:

4,4'-DDE [2C]
23H0919-01[250WATERST-MW1-WG], 23H0919-02[250WATERST-MW2-WG], 23H0919-03[250WATERST-MW3-WG-MS/MSD], 23H0919-04[250WATERST-MW4-WG], 23H0919-05[250WATERST-DUP-WG-20230802], 23H0919-06[250WATERST-EB-20230802], B348522-BLK1, B348522-BS1, B348522-BSD1, B348522-MS1, B348522-MSD1

Alachlor
23H0919-01[250WATERST-MW1-WG], 23H0919-02[250WATERST-MW2-WG], 23H0919-03[250WATERST-MW3-WG-MS/MSD], 23H0919-04[250WATERST-MW4-WG], 23H0919-05[250WATERST-DUP-WG-20230802], 23H0919-06[250WATERST-EB-20230802], B348522-BLK1, B348522-BS1, B348522-BSD1, B348522-MS1, B348522-MSD1

Alachlor [2C]
23H0919-01[250WATERST-MW1-WG], 23H0919-02[250WATERST-MW2-WG], 23H0919-03[250WATERST-MW3-WG-MS/MSD], 23H0919-04[250WATERST-MW4-WG], 23H0919-05[250WATERST-DUP-WG-20230802], 23H0919-06[250WATERST-EB-20230802], B348522-BLK1, B348522-BS1, B348522-BSD1, B348522-MS1, B348522-MSD1

alpha-BHC
23H0919-01[250WATERST-MW1-WG], 23H0919-02[250WATERST-MW2-WG], 23H0919-03[250WATERST-MW3-WG-MS/MSD], 23H0919-04[250WATERST-MW4-WG], 23H0919-05[250WATERST-DUP-WG-20230802], 23H0919-06[250WATERST-EB-20230802], B348522-BLK1, B348522-BS1, B348522-BSD1, B348522-MS1, B348522-MSD1

beta-BHC
23H0919-01[250WATERST-MW1-WG], 23H0919-02[250WATERST-MW2-WG], 23H0919-03[250WATERST-MW3-WG-MS/MSD], 23H0919-04[250WATERST-MW4-WG], 23H0919-05[250WATERST-DUP-WG-20230802], 23H0919-06[250WATERST-EB-20230802], B348522-BLK1, B348522-BS1, B348522-BSD1, B348522-MS1, B348522-MSD1

delta-BHC
23H0919-01[250WATERST-MW1-WG], 23H0919-02[250WATERST-MW2-WG], 23H0919-03[250WATERST-MW3-WG-MS/MSD], 23H0919-04[250WATERST-MW4-WG], 23H0919-05[250WATERST-DUP-WG-20230802], 23H0919-06[250WATERST-EB-20230802], B348522-BLK1, B348522-BS1, B348522-BSD1, B348522-MS1, B348522-MSD1

delta-BHC [2C]
23H0919-01[250WATERST-MW1-WG], 23H0919-02[250WATERST-MW2-WG], 23H0919-03[250WATERST-MW3-WG-MS/MSD], 23H0919-04[250WATERST-MW4-WG], 23H0919-05[250WATERST-DUP-WG-20230802], 23H0919-06[250WATERST-EB-20230802], B348522-BLK1, B348522-BS1, B348522-BSD1, B348522-MS1, B348522-MSD1

Dieldrin
23H0919-01[250WATERST-MW1-WG], 23H0919-02[250WATERST-MW2-WG], 23H0919-03[250WATERST-MW3-WG-MS/MSD], 23H0919-04[250WATERST-MW4-WG], 23H0919-05[250WATERST-DUP-WG-20230802], 23H0919-06[250WATERST-EB-20230802], B348522-BLK1, B348522-BS1, B348522-BSD1, B348522-MS1, B348522-MSD1

Endosulfan II
23H0919-01[250WATERST-MW1-WG], 23H0919-02[250WATERST-MW2-WG], 23H0919-03[250WATERST-MW3-WG-MS/MSD], 23H0919-04[250WATERST-MW4-WG], 23H0919-05[250WATERST-DUP-WG-20230802], 23H0919-06[250WATERST-EB-20230802], B348522-BLK1, B348522-BS1, B348522-BSD1, B348522-MS1, B348522-MSD1

Endosulfan II [2C]
23H0919-01[250WATERST-MW1-WG], 23H0919-02[250WATERST-MW2-WG], 23H0919-03[250WATERST-MW3-WG-MS/MSD], 23H0919-04[250WATERST-MW4-WG], 23H0919-05[250WATERST-DUP-WG-20230802], 23H0919-06[250WATERST-EB-20230802], B348522-BLK1, B348522-BS1, B348522-BSD1, B348522-MS1, B348522-MSD1

Endosulfan Sulfate
23H0919-01[250WATERST-MW1-WG], 23H0919-02[250WATERST-MW2-WG], 23H0919-03[250WATERST-MW3-WG-MS/MSD], 23H0919-04[250WATERST-MW4-WG], 23H0919-05[250WATERST-DUP-WG-20230802], 23H0919-06[250WATERST-EB-20230802], B348522-BLK1, B348522-BS1, B348522-BSD1, B348522-MS1, B348522-MSD1

Endosulfan Sulfate [2C]
23H0919-01[250WATERST-MW1-WG], 23H0919-02[250WATERST-MW2-WG], 23H0919-03[250WATERST-MW3-WG-MS/MSD], 23H0919-04[250WATERST-MW4-WG], 23H0919-05[250WATERST-DUP-WG-20230802], 23H0919-06[250WATERST-EB-20230802], B348522-BLK1, B348522-BS1, B348522-BSD1, B348522-MS1, B348522-MSD1

Endrin Ketone
23H0919-01[250WATERST-MW1-WG], 23H0919-02[250WATERST-MW2-WG], 23H0919-03[250WATERST-MW3-WG-MS/MSD], 23H0919-04[250WATERST-MW4-WG], 23H0919-05[250WATERST-DUP-WG-20230802], 23H0919-06[250WATERST-EB-20230802], B348522-BLK1, B348522-BS1, B348522-BSD1, B348522-MS1, B348522-MSD1

Endrin Ketone [2C]
23H0919-01[250WATERST-MW1-WG], 23H0919-02[250WATERST-MW2-WG], 23H0919-03[250WATERST-MW3-WG-MS/MSD], 23H0919-04[250WATERST-MW4-WG], 23H0919-05[250WATERST-DUP-WG-20230802], 23H0919-06[250WATERST-EB-20230802], B348522-BLK1, B348522-BS1, B348522-BSD1, B348522-MS1, B348522-MSD1

gamma-BHC (Lindane)
23H0919-01[250WATERST-MW1-WG], 23H0919-02[250WATERST-MW2-WG], 23H0919-03[250WATERST-MW3-WG-MS/MSD], 23H0919-04[250WATERST-MW4-WG], 23H0919-05[250WATERST-DUP-WG-20230802], 23H0919-06[250WATERST-EB-20230802], B348522-BLK1, B348522-BS1, B348522-BSD1, B348522-MS1, B348522-MSD1

gamma-BHC (Lindane) [2C]
23H0919-01[250WATERST-MW1-WG], 23H0919-02[250WATERST-MW2-WG], 23H0919-03[250WATERST-MW3-WG-MS/MSD], 23H0919-04[250WATERST-MW4-WG], 23H0919-05[250WATERST-DUP-WG-20230802], 23H0919-06[250WATERST-EB-20230802], B348522-BLK1, B348522-BS1, B348522-BSD1, B348522-MS1, B348522-MSD1

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V-06

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

Analyte & Samples(s) Qualified:

Hexachlorobenzene [2C]
B348522-BS1, B348522-BSD1, B348522-MS1, B348522-MSD1

SW-846 8260D

Qualifications:

L-04

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

1,2,3-Trichlorobenzene
23H0919-01[250WATERST-MW1-WG], 23H0919-02[250WATERST-MW2-WG], 23H0919-03[250WATERST-MW3-WG-MS/MSD], 23H0919-04[250WATERST-MW4-WG], 23H0919-05[250WATERST-DUP-WG-20230802], 23H0919-06[250WATERST-EB-20230802], 23H0919-07[250WATERST-TB-20230802], B348515-BLK1, B348515-BS1, B348515-BSD1, S091762-CCV1

1,2,4-Trichlorobenzene
23H0919-01[250WATERST-MW1-WG], 23H0919-02[250WATERST-MW2-WG], 23H0919-03[250WATERST-MW3-WG-MS/MSD], 23H0919-04[250WATERST-MW4-WG], 23H0919-05[250WATERST-DUP-WG-20230802], 23H0919-06[250WATERST-EB-20230802], 23H0919-07[250WATERST-TB-20230802], B348515-BLK1, B348515-BS1, B348515-BSD1, S091762-CCV1

Bromoform
23H0919-01[250WATERST-MW1-WG], 23H0919-02[250WATERST-MW2-WG], 23H0919-03[250WATERST-MW3-WG-MS/MSD], 23H0919-04[250WATERST-MW4-WG], 23H0919-05[250WATERST-DUP-WG-20230802], 23H0919-06[250WATERST-EB-20230802], 23H0919-07[250WATERST-TB-20230802], B348515-BLK1, B348515-BS1, B348515-BSD1, S091762-CCV1

MS-07A

Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.

Analyte & Samples(s) Qualified:

Methyl Acetate
B348515-MS2, B348515-MSD2

MS-09

Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

Analyte & Samples(s) Qualified:

1,2,3-Trichlorobenzene
B348515-MS2, B348515-MSD2

1,2,4-Trichlorobenzene
B348515-MS2, B348515-MSD2

Bromoform
B348515-MS2, B348515-MSD2

MS-24

Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Analysis is in control based on laboratory fortified blank recovery.

Analyte & Samples(s) Qualified:

1,4-Dioxane
B348515-MSD2

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

1,2,3-Trichlorobenzene
23H0919-01[250WATERST-MW1-WG], 23H0919-02[250WATERST-MW2-WG], 23H0919-03[250WATERST-MW3-WG-MS/MSD], 23H0919-04[250WATERST-MW4-WG], 23H0919-05[250WATERST-DUP-WG-20230802], 23H0919-06[250WATERST-EB-20230802], 23H0919-07[250WATERST-TB-20230802], B348515-BLK1, B348515-BS1, B348515-BSD1, S091762-CCV1

1,2,4-Trichlorobenzene
23H0919-01[250WATERST-MW1-WG], 23H0919-02[250WATERST-MW2-WG], 23H0919-03[250WATERST-MW3-WG-MS/MSD], 23H0919-04[250WATERST-MW4-WG], 23H0919-05[250WATERST-DUP-WG-20230802], 23H0919-06[250WATERST-EB-20230802], 23H0919-07[250WATERST-TB-20230802], B348515-BLK1, B348515-BS1, B348515-BSD1, S091762-CCV1

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V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

Bromochloromethane
S091762-CCV1

Bromomethane
S091762-CCV1

SW-846 8270E

Qualifications:

B

Analyte is found in the associated laboratory blank as well as in the sample.

Analyte & Samples(s) Qualified:

Di-n-butylphthalate
23H0919-01[250WATERST-MW1-WG], B348279-BLK1, B348279-BS1, B348279-BSD1, B348279-MS1, B348279-MSD1

H-06

Sample was extracted past the recommended holding time.

Analyte & Samples(s) Qualified:

23H0919-01RE1[250WATERST-MW1-WG], 23H0919-02RE1[250WATERST-MW2-WG], 23H0919-03RE1[250WATERST-MW3-WG-MS/MSD], 23H0919-04RE1[250WATERST-MW4-WG], 23H0919-05RE1[250WATERST-DUP-WG-20230802], 23H0919-06RE1[250WATERST-EB-20230802]

L-04

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Caprolactam
23H0919-01[250WATERST-MW1-WG], 23H0919-01RE1[250WATERST-MW1-WG], 23H0919-02[250WATERST-MW2-WG], 23H0919-02RE1[250WATERST-MW2-WG], 23H0919-03[250WATERST-MW3-WG-MS/MSD], 23H0919-03RE1[250WATERST-MW3-WG-MS/MSD], 23H0919-04[250WATERST-MW4-WG], 23H0919-04RE1[250WATERST-MW4-WG], 23H0919-05[250WATERST-DUP-WG-20230802], 23H0919-05RE1[250WATERST-DUP-WG-20230802], 23H0919-06[250WATERST-EB-20230802], 23H0919-06RE1[250WATERST-EB-20230802], B348279-BLK1, B348279-BS1, B348279-BSD1, B348928-BLK1, B348928-BS1, B348928-BSD1

Hexachlorobutadiene
23H0919-01RE1[250WATERST-MW1-WG], 23H0919-02RE1[250WATERST-MW2-WG], 23H0919-03RE1[250WATERST-MW3-WG-MS/MSD], 23H0919-04RE1[250WATERST-MW4-WG], 23H0919-05RE1[250WATERST-DUP-WG-20230802], 23H0919-06RE1[250WATERST-EB-20230802], B348928-BLK1, B348928-BS1, B348928-BSD1

Hexachlorocyclopentadiene
23H0919-01RE1[250WATERST-MW1-WG], 23H0919-02RE1[250WATERST-MW2-WG], 23H0919-03RE1[250WATERST-MW3-WG-MS/MSD], 23H0919-04RE1[250WATERST-MW4-WG], 23H0919-05RE1[250WATERST-DUP-WG-20230802], 23H0919-06RE1[250WATERST-EB-20230802], B348928-BLK1, B348928-BS1, B348928-BSD1

Hexachloroethane
23H0919-01RE1[250WATERST-MW1-WG], 23H0919-02RE1[250WATERST-MW2-WG], 23H0919-03RE1[250WATERST-MW3-WG-MS/MSD], 23H0919-04RE1[250WATERST-MW4-WG], 23H0919-05RE1[250WATERST-DUP-WG-20230802], 23H0919-06RE1[250WATERST-EB-20230802], B348928-BLK1, B348928-BS1, B348928-BSD1

Naphthalene
23H0919-01RE1[250WATERST-MW1-WG], 23H0919-02RE1[250WATERST-MW2-WG], 23H0919-03RE1[250WATERST-MW3-WG-MS/MSD], 23H0919-04RE1[250WATERST-MW4-WG], 23H0919-05RE1[250WATERST-DUP-WG-20230802], 23H0919-06RE1[250WATERST-EB-20230802], B348928-BLK1, B348928-BS1, B348928-BSD1

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

Hexachloroethane
B348279-BSD1

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L-07A

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD outside of control limits. Reduced precision anticipated for any reported result for this compound.

Analyte & Samples(s) Qualified:

2,4,5-Trichlorophenol
B348279-BS1

2,4,6-Trichlorophenol
B348279-BS1

2,4-Dinitrophenol
B348279-BS1

2-Nitrophenol
B348279-BS1

4,6-Dinitro-2-methylphenol
B348279-BS1

4-Nitrophenol
B348279-BS1

Pentachlorophenol
B348279-BS1

MS-09

Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

Analyte & Samples(s) Qualified:

2,4,5-Trichlorophenol
23H0919-03RE1[250WATERST-MW3-WG-MS/MSD], B348928-MS1, B348928-MSD1

2,4,6-Trichlorophenol
23H0919-03RE1[250WATERST-MW3-WG-MS/MSD], B348928-MS1, B348928-MSD1

2,4-Dichlorophenol
23H0919-03RE1[250WATERST-MW3-WG-MS/MSD], B348928-MS1, B348928-MSD1

2,4-Dinitrophenol
23H0919-03RE1[250WATERST-MW3-WG-MS/MSD], B348928-MS1, B348928-MSD1

2-Chlorophenol
23H0919-03RE1[250WATERST-MW3-WG-MS/MSD], B348928-MS1, B348928-MSD1

2-Nitrophenol
23H0919-03RE1[250WATERST-MW3-WG-MS/MSD], B348928-MS1, B348928-MSD1

4,6-Dinitro-2-methylphenol
23H0919-03RE1[250WATERST-MW3-WG-MS/MSD], B348928-MS1, B348928-MSD1

4-Nitrophenol
23H0919-03RE1[250WATERST-MW3-WG-MS/MSD], B348928-MS1, B348928-MSD1

Caprolactam
23H0919-03RE1[250WATERST-MW3-WG-MS/MSD], B348928-MS1, B348928-MSD1

Pentachlorophenol
23H0919-03RE1[250WATERST-MW3-WG-MS/MSD], B348928-MS1, B348928-MSD1

Phenol
23H0919-03RE1[250WATERST-MW3-WG-MS/MSD], B348928-MS1, B348928-MSD1

MS-12A

Matrix spike and spike duplicate recovery is outside of control limits on the high side.

Analyte & Samples(s) Qualified:

Butylbenzylphthalate
B348928-MS1, B348928-MSD1

Di-n-octylphthalate
B348928-MS1, B348928-MSD1

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R-05

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:

2,4,5-Trichlorophenol
B348279-BSD1

2,4,6-Trichlorophenol
B348279-BSD1

2,4-Dichlorophenol
B348279-BS1, B348279-BSD1

2,4-Dinitrophenol
B348279-BSD1, B348928-BS1, B348928-BSD1

2-Chlorophenol
B348279-BS1, B348279-BSD1

2-Nitrophenol
B348279-BSD1

4,6-Dinitro-2-methylphenol
B348279-BSD1

4-Nitrophenol
B348279-BSD1

Hexachlorobutadiene
B348928-BS1, B348928-BSD1

Pentachlorophenol
B348279-BSD1

Phenol
23H0919-01[250WATERST-MW1-WG], 23H0919-02[250WATERST-MW2-WG], 23H0919-03[250WATERST-MW3-WG-MS/MSD], 23H0919-04[250WATERST-MW4-WG], 23H0919-05[250WATERST-DUP-WG-20230802], 23H0919-06[250WATERST-EB-20230802], B348279-BS1, B348279-BSD1

S-03

Surrogate recovery outside of control limits due to suspected sample matrix interference.

Analyte & Samples(s) Qualified:

2,4,6-Tribromophenol
B348928-MS1, B348928-MSD1

2-Fluorophenol
B348928-MS1, B348928-MSD1

Phenol-d6
B348928-MS1, B348928-MSD1

S-07

One associated surrogate standard recovery is outside of control limits but the other(s) is/are within limits. All recoveries are > 10%.

Analyte & Samples(s) Qualified:

2-Fluorophenol
B348279-BS1

S-10

Sample was re-extracted outside of holding time since surrogate standard recovery was outside of control limits. Data from analysis performed outside of holding time is also reported since surrogate recovery is acceptable.

Analyte & Samples(s) Qualified:

2,4,6-Tribromophenol
23H0919-03[250WATERST-MW3-WG-MS/MSD]

2-Fluorophenol
23H0919-03[250WATERST-MW3-WG-MS/MSD]

S-19

Surrogate recovery is outside of control limits, matrix interference suspected. Reanalysis yielded similar surrogate non-conformance.

Analyte & Samples(s) Qualified:

2,4,6-Tribromophenol
23H0919-04[250WATERST-MW4-WG], 23H0919-04RE1[250WATERST-MW4-WG], 23H0919-05[250WATERST-DUP-WG-20230802], 23H0919-05RE1[250WATERST-DUP-WG-20230802]

2-Fluorophenol
23H0919-04[250WATERST-MW4-WG], 23H0919-04RE1[250WATERST-MW4-WG], 23H0919-05[250WATERST-DUP-WG-20230802], 23H0919-05RE1[250WATERST-DUP-WG-20230802]

Phenol-d6
23H0919-04[250WATERST-MW4-WG], 23H0919-05[250WATERST-DUP-WG-20230802]

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V-04

Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Reported result is estimated.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol

23H0919-01[250WATERST-MW1-WG], 23H0919-01RE1[250WATERST-MW1-WG], 23H0919-02[250WATERST-MW2-WG], 23H0919-02RE1[250WATERST-MW2-WG], 23H0919-03[250WATERST-MW3-WG-MS/MSD], 23H0919-03RE1[250WATERST-MW3-WG-MS/MSD], 23H0919-04[250WATERST-MW4-WG], 23H0919-04RE1[250WATERST-MW4-WG], 23H0919-05[250WATERST-DUP-WG-20230802], 23H0919-05RE1[250WATERST-DUP-WG-20230802], 23H0919-06[250WATERST-EB-20230802], 23H0919-06RE1[250WATERST-EB-20230802], B348279-BLK1, B348279-BS1, B348279-BSD1, B348279-MS1, B348279-MSD1, B348928-BLK1, B348928-BS1, B348928-BSD1, B348928-MS1, B348928-MSD1, S092151-CCV1, S092198-CCV1, S092215-CCV1

4,6-Dinitro-2-methylphenol

23H0919-01[250WATERST-MW1-WG], 23H0919-01RE1[250WATERST-MW1-WG], 23H0919-02[250WATERST-MW2-WG], 23H0919-02RE1[250WATERST-MW2-WG], 23H0919-03[250WATERST-MW3-WG-MS/MSD], 23H0919-03RE1[250WATERST-MW3-WG-MS/MSD], 23H0919-04[250WATERST-MW4-WG], 23H0919-04RE1[250WATERST-MW4-WG], 23H0919-05[250WATERST-DUP-WG-20230802], 23H0919-05RE1[250WATERST-DUP-WG-20230802], 23H0919-06[250WATERST-EB-20230802], 23H0919-06RE1[250WATERST-EB-20230802], B348279-BLK1, B348279-BS1, B348279-BSD1, B348279-MS1, B348279-MSD1, B348928-BLK1, B348928-BS1, B348928-BSD1, B348928-MS1, B348928-MSD1, S092151-CCV1, S092198-CCV1, S092215-CCV1

Bis(2-Ethylhexyl)phthalate

23H0919-01[250WATERST-MW1-WG], 23H0919-01RE1[250WATERST-MW1-WG], 23H0919-02[250WATERST-MW2-WG], 23H0919-02RE1[250WATERST-MW2-WG], 23H0919-03[250WATERST-MW3-WG-MS/MSD], 23H0919-03RE1[250WATERST-MW3-WG-MS/MSD], 23H0919-04[250WATERST-MW4-WG], 23H0919-04RE1[250WATERST-MW4-WG], 23H0919-05[250WATERST-DUP-WG-20230802], 23H0919-05RE1[250WATERST-DUP-WG-20230802], 23H0919-06[250WATERST-EB-20230802], 23H0919-06RE1[250WATERST-EB-20230802], B348279-BLK1, B348279-BS1, B348279-BSD1, B348279-MS1, B348279-MSD1, B348928-BLK1, B348928-BS1, B348928-BSD1, B348928-MS1, B348928-MSD1, S092151-CCV1, S092198-CCV1, S092215-CCV1

Di-n-octylphthalate

23H0919-01[250WATERST-MW1-WG], 23H0919-01RE1[250WATERST-MW1-WG], 23H0919-02[250WATERST-MW2-WG], 23H0919-02RE1[250WATERST-MW2-WG], 23H0919-03[250WATERST-MW3-WG-MS/MSD], 23H0919-03RE1[250WATERST-MW3-WG-MS/MSD], 23H0919-04[250WATERST-MW4-WG], 23H0919-04RE1[250WATERST-MW4-WG], 23H0919-05[250WATERST-DUP-WG-20230802], 23H0919-05RE1[250WATERST-DUP-WG-20230802], 23H0919-06[250WATERST-EB-20230802], 23H0919-06RE1[250WATERST-EB-20230802], B348279-BLK1, B348279-BS1, B348279-BSD1, B348279-MS1, B348279-MSD1, B348928-BLK1, B348928-BS1, B348928-BSD1, B348928-MS1, B348928-MSD1, S092151-CCV1, S092198-CCV1, S092215-CCV1

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

4-Nitrophenol

B348279-BLK1, B348279-BS1, B348279-BSD1, B348279-MS1, B348279-MSD1, B348928-BLK1, B348928-BS1, B348928-BSD1, B348928-MS1, B348928-MSD1, S092151-CCV1, S092215-CCV1

Caprolactam

23H0919-01[250WATERST-MW1-WG], 23H0919-01RE1[250WATERST-MW1-WG], 23H0919-02[250WATERST-MW2-WG], 23H0919-02RE1[250WATERST-MW2-WG], 23H0919-03[250WATERST-MW3-WG-MS/MSD], 23H0919-03RE1[250WATERST-MW3-WG-MS/MSD], 23H0919-04[250WATERST-MW4-WG], 23H0919-04RE1[250WATERST-MW4-WG], 23H0919-05[250WATERST-DUP-WG-20230802], 23H0919-05RE1[250WATERST-DUP-WG-20230802], 23H0919-06[250WATERST-EB-20230802], 23H0919-06RE1[250WATERST-EB-20230802], S092198-CCV2

V-06

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

Analyte & Samples(s) Qualified:

Bis(2-chloroisopropyl)ether

23H0919-01[250WATERST-MW1-WG], 23H0919-01RE1[250WATERST-MW1-WG], 23H0919-02[250WATERST-MW2-WG], 23H0919-02RE1[250WATERST-MW2-WG], 23H0919-03[250WATERST-MW3-WG-MS/MSD], 23H0919-03RE1[250WATERST-MW3-WG-MS/MSD], 23H0919-04[250WATERST-MW4-WG], 23H0919-04RE1[250WATERST-MW4-WG], 23H0919-05[250WATERST-DUP-WG-20230802], 23H0919-05RE1[250WATERST-DUP-WG-20230802], 23H0919-06[250WATERST-EB-20230802], 23H0919-06RE1[250WATERST-EB-20230802], B348279-BLK1, B348279-BS1, B348279-BSD1, B348279-MS1, B348279-MSD1, B348928-BLK1, B348928-BS1, B348928-BSD1, B348928-MS1, B348928-MSD1, S092151-CCV1, S092198-CCV1, S092215-CCV1

V-35

Initial calibration verification (ICV) did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

Butylbenzylphthalate

23H0919-01[250WATERST-MW1-WG], 23H0919-01RE1[250WATERST-MW1-WG], 23H0919-02[250WATERST-MW2-WG], 23H0919-02RE1[250WATERST-MW2-WG], 23H0919-03[250WATERST-MW3-WG-MS/MSD], 23H0919-03RE1[250WATERST-MW3-WG-MS/MSD], 23H0919-04[250WATERST-MW4-WG], 23H0919-04RE1[250WATERST-MW4-WG], 23H0919-05[250WATERST-DUP-WG-20230802], 23H0919-05RE1[250WATERST-DUP-WG-20230802], 23H0919-06[250WATERST-EB-20230802], 23H0919-06RE1[250WATERST-EB-20230802], B348279-BLK1, B348279-BS1, B348279-BSD1, B348279-MS1, B348279-MSD1, B348928-BLK1, B348928-BS1, B348928-BSD1, B348928-MS1, B348928-MSD1, S092151-CCV1, S092198-CCV1, S092215-CCV1

SW-846 9014

Qualifications:

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H-15

Sampling time not provided on the Chain of Custody.

Analyte & Samples(s) Qualified:

Cyanide
23H0919-05[250WATERST-DUP-WG-20230802]

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Technical Representative

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A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-MW1-WG Sampled: 8/2/2023 12:30

Sample ID: 23H0919-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:26	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:26	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:26	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:26	MFF
Bromoform	ND	1.0	0.41	µg/L	1	L-04	SW-846 8260D	8/9/23	8/10/23 7:26	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:26	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:26	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:26	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:26	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:26	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:26	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:26	MFF
Chloroform	2.1	2.0	0.14	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:26	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:26	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:26	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:26	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:26	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:26	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:26	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:26	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:26	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:26	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:26	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:26	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:26	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:26	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:26	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:26	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:26	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:26	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:26	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:26	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:26	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:26	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:26	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:26	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:26	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:26	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:26	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:26	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:26	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:26	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1	L-04, V-05	SW-846 8260D	8/9/23	8/10/23 7:26	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	L-04, V-05	SW-846 8260D	8/9/23	8/10/23 7:26	MFF

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-MW1-WG Sampled: 8/2/2023 12:30

Sample ID: 23H0919-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:26	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:26	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:26	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:26	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:26	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:26	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:26	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	115	70-130		8/10/23 7:26
Toluene-d8	101	70-130		8/10/23 7:26
4-Bromofluorobenzene	81.2	70-130		8/10/23 7:26

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-MW1-WG Sampled: 8/2/2023 12:30

Sample ID: 23H0919-01

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			1			SW-846 8260D	8/9/23	8/10/23 7:26	MFF

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-MW1-WG Sampled: 8/2/2023 12:30

Sample ID: 23H0919-01

Sample Matrix: Ground Water

Sample Flags: H-06

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	19	1.6	µg/L	1		SW-846 8270E	8/14/23	8/17/23 9:53	BGL
Atrazine	ND	18	1.5	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:03	BGL
Benzaldehyde	ND	9.4	0.68	µg/L	1		SW-846 8270E	8/14/23	8/17/23 9:53	BGL
Benzaldehyde	ND	9.1	0.66	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:03	BGL
Biphenyl	ND	19	0.87	µg/L	1		SW-846 8270E	8/14/23	8/17/23 9:53	BGL
Biphenyl	ND	18	0.84	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:03	BGL
Caprolactam	ND	9.4	0.68	µg/L	1	L-04, V-05	SW-846 8270E	8/14/23	8/17/23 9:53	BGL
Caprolactam	5.9	9.1	0.65	µg/L	1	L-04, V-05, J	SW-846 8270E	8/7/23	8/17/23 12:03	BGL
Acenaphthene	ND	4.7	0.74	µg/L	1		SW-846 8270E	8/14/23	8/17/23 9:53	BGL
Acenaphthene	ND	4.5	0.71	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:03	BGL
Acenaphthylene	ND	4.7	0.60	µg/L	1		SW-846 8270E	8/14/23	8/17/23 9:53	BGL
Acenaphthylene	ND	4.5	0.58	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:03	BGL
Acetophenone	ND	9.4	0.47	µg/L	1		SW-846 8270E	8/14/23	8/17/23 9:53	BGL
Acetophenone	ND	9.1	0.46	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:03	BGL
Anthracene	ND	4.7	0.51	µg/L	1		SW-846 8270E	8/14/23	8/17/23 9:53	BGL
Anthracene	ND	4.5	0.49	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:03	BGL
Benzo(a)anthracene	ND	4.7	0.36	µg/L	1		SW-846 8270E	8/14/23	8/17/23 9:53	BGL
Benzo(a)anthracene	ND	4.5	0.34	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:03	BGL
Benzo(a)pyrene	ND	4.7	0.41	µg/L	1		SW-846 8270E	8/14/23	8/17/23 9:53	BGL
Benzo(a)pyrene	ND	4.5	0.39	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:03	BGL
Benzo(b)fluoranthene	ND	4.7	0.31	µg/L	1		SW-846 8270E	8/14/23	8/17/23 9:53	BGL
Benzo(b)fluoranthene	ND	4.5	0.29	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:03	BGL
Benzo(g,h,i)perylene	ND	4.7	0.49	µg/L	1		SW-846 8270E	8/14/23	8/17/23 9:53	BGL
Benzo(g,h,i)perylene	ND	4.5	0.47	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:03	BGL
Benzo(k)fluoranthene	ND	4.7	0.43	µg/L	1		SW-846 8270E	8/14/23	8/17/23 9:53	BGL
Benzo(k)fluoranthene	ND	4.5	0.42	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:03	BGL
Bis(2-chloroethoxy)methane	ND	9.4	0.54	µg/L	1		SW-846 8270E	8/14/23	8/17/23 9:53	BGL
Bis(2-chloroethoxy)methane	ND	9.1	0.52	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:03	BGL
Bis(2-chloroethyl)ether	ND	9.4	0.43	µg/L	1		SW-846 8270E	8/14/23	8/17/23 9:53	BGL
Bis(2-chloroethyl)ether	ND	9.1	0.42	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:03	BGL
Bis(2-chloroisopropyl)ether	ND	9.4	0.71	µg/L	1	V-06	SW-846 8270E	8/14/23	8/17/23 9:53	BGL
Bis(2-chloroisopropyl)ether	ND	9.1	0.68	µg/L	1	V-06	SW-846 8270E	8/7/23	8/17/23 12:03	BGL
Bis(2-Ethylhexyl)phthalate	ND	9.4	0.31	µg/L	1	V-04	SW-846 8270E	8/14/23	8/17/23 9:53	BGL
Bis(2-Ethylhexyl)phthalate	ND	9.1	0.29	µg/L	1	V-04	SW-846 8270E	8/7/23	8/17/23 12:03	BGL
4-Bromophenylphenylether	ND	9.4	0.67	µg/L	1		SW-846 8270E	8/14/23	8/17/23 9:53	BGL
4-Bromophenylphenylether	ND	9.1	0.65	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:03	BGL
Butylbenzylphthalate	ND	9.4	0.37	µg/L	1	V-35	SW-846 8270E	8/14/23	8/17/23 9:53	BGL
Butylbenzylphthalate	ND	9.1	0.36	µg/L	1	V-35	SW-846 8270E	8/7/23	8/17/23 12:03	BGL
Carbazole	ND	9.4	0.43	µg/L	1		SW-846 8270E	8/14/23	8/17/23 9:53	BGL
Carbazole	ND	9.1	0.42	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:03	BGL
4-Chloroaniline	ND	9.1	4.7	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:03	BGL
4-Chloroaniline	ND	9.4	4.9	µg/L	1		SW-846 8270E	8/14/23	8/17/23 9:53	BGL
4-Chloro-3-methylphenol	ND	9.4	0.60	µg/L	1		SW-846 8270E	8/14/23	8/17/23 9:53	BGL
4-Chloro-3-methylphenol	ND	9.1	0.58	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:03	BGL

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-MW1-WG Sampled: 8/2/2023 12:30

Sample ID: 23H0919-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Chloronaphthalene	ND	9.4	0.77	µg/L	1		SW-846 8270E	8/14/23	8/17/23 9:53	BGL
2-Chloronaphthalene	ND	9.1	0.74	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:03	BGL
2-Chlorophenol	ND	9.1	0.37	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:03	BGL
2-Chlorophenol	ND	9.4	0.39	µg/L	1		SW-846 8270E	8/14/23	8/17/23 9:53	BGL
4-Chlorophenylphenylether	ND	9.4	0.82	µg/L	1		SW-846 8270E	8/14/23	8/17/23 9:53	BGL
4-Chlorophenylphenylether	ND	9.1	0.79	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:03	BGL
Chrysene	ND	4.7	0.43	µg/L	1		SW-846 8270E	8/14/23	8/17/23 9:53	BGL
Chrysene	ND	4.5	0.42	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:03	BGL
Dibenz(a,h)anthracene	ND	4.7	0.45	µg/L	1		SW-846 8270E	8/14/23	8/17/23 9:53	BGL
Dibenz(a,h)anthracene	ND	4.5	0.43	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:03	BGL
Dibenzofuran	ND	4.7	0.81	µg/L	1		SW-846 8270E	8/14/23	8/17/23 9:53	BGL
Dibenzofuran	ND	4.5	0.78	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:03	BGL
Di-n-butylphthalate	ND	9.4	0.47	µg/L	1		SW-846 8270E	8/14/23	8/17/23 9:53	BGL
Di-n-butylphthalate	25	9.1	0.46	µg/L	1	B	SW-846 8270E	8/7/23	8/17/23 12:03	BGL
3,3-Dichlorobenzidine	ND	9.4	0.43	µg/L	1		SW-846 8270E	8/14/23	8/17/23 9:53	BGL
3,3-Dichlorobenzidine	ND	9.1	0.42	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:03	BGL
2,4-Dichlorophenol	ND	9.4	0.44	µg/L	1		SW-846 8270E	8/14/23	8/17/23 9:53	BGL
2,4-Dichlorophenol	ND	9.1	0.43	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:03	BGL
Diethylphthalate	ND	9.4	0.53	µg/L	1		SW-846 8270E	8/14/23	8/17/23 9:53	BGL
Diethylphthalate	ND	9.1	0.51	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:03	BGL
2,4-Dimethylphenol	ND	9.4	0.39	µg/L	1		SW-846 8270E	8/14/23	8/17/23 9:53	BGL
2,4-Dimethylphenol	ND	9.1	0.37	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:03	BGL
Dimethylphthalate	ND	9.4	0.41	µg/L	1		SW-846 8270E	8/14/23	8/17/23 9:53	BGL
Dimethylphthalate	ND	9.1	0.40	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:03	BGL
4,6-Dinitro-2-methylphenol	ND	19	2.2	µg/L	1	V-04	SW-846 8270E	8/14/23	8/17/23 9:53	BGL
4,6-Dinitro-2-methylphenol	ND	18	2.1	µg/L	1	V-04	SW-846 8270E	8/7/23	8/17/23 12:03	BGL
2,4-Dinitrophenol	ND	9.4	1.3	µg/L	1	V-04	SW-846 8270E	8/14/23	8/17/23 9:53	BGL
2,4-Dinitrophenol	ND	9.1	1.2	µg/L	1	V-04	SW-846 8270E	8/7/23	8/17/23 12:03	BGL
2,4-Dinitrotoluene	ND	9.4	0.33	µg/L	1		SW-846 8270E	8/14/23	8/17/23 9:53	BGL
2,4-Dinitrotoluene	ND	9.1	0.32	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:03	BGL
2,6-Dinitrotoluene	ND	9.4	0.52	µg/L	1		SW-846 8270E	8/14/23	8/17/23 9:53	BGL
2,6-Dinitrotoluene	ND	9.1	0.50	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:03	BGL
Di-n-octylphthalate	ND	9.4	0.31	µg/L	1	V-04	SW-846 8270E	8/14/23	8/17/23 9:53	BGL
Di-n-octylphthalate	ND	9.1	0.30	µg/L	1	V-04	SW-846 8270E	8/7/23	8/17/23 12:03	BGL
Fluoranthene	ND	4.7	0.53	µg/L	1		SW-846 8270E	8/14/23	8/17/23 9:53	BGL
Fluoranthene	ND	4.5	0.51	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:03	BGL
Fluorene	ND	4.7	0.72	µg/L	1		SW-846 8270E	8/14/23	8/17/23 9:53	BGL
Fluorene	ND	4.5	0.69	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:03	BGL
Hexachlorobenzene	ND	9.4	0.68	µg/L	1		SW-846 8270E	8/14/23	8/17/23 9:53	BGL
Hexachlorobenzene	ND	9.1	0.66	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:03	BGL
Hexachlorobutadiene	ND	9.4	1.2	µg/L	1	L-04	SW-846 8270E	8/14/23	8/17/23 9:53	BGL
Hexachlorobutadiene	ND	9.1	1.1	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:03	BGL
Hexachlorocyclopentadiene	ND	9.4	2.7	µg/L	1	L-04	SW-846 8270E	8/14/23	8/17/23 9:53	BGL
Hexachlorocyclopentadiene	ND	9.1	2.6	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:03	BGL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-MW1-WG Sampled: 8/2/2023 12:30

Sample ID: 23H0919-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	9.4	1.2	µg/L	1	L-04	SW-846 8270E	8/14/23	8/17/23 9:53	BGL
Hexachloroethane	ND	9.1	1.1	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:03	BGL
Indeno(1,2,3-cd)pyrene	ND	4.7	0.45	µg/L	1		SW-846 8270E	8/14/23	8/17/23 9:53	BGL
Indeno(1,2,3-cd)pyrene	ND	4.5	0.43	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:03	BGL
Isophorone	ND	9.4	0.51	µg/L	1		SW-846 8270E	8/14/23	8/17/23 9:53	BGL
Isophorone	ND	9.1	0.49	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:03	BGL
2-Methylnaphthalene	ND	4.7	0.88	µg/L	1		SW-846 8270E	8/14/23	8/17/23 9:53	BGL
2-Methylnaphthalene	ND	4.5	0.85	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:03	BGL
2-Methylphenol	ND	9.4	0.43	µg/L	1		SW-846 8270E	8/14/23	8/17/23 9:53	BGL
2-Methylphenol	ND	9.1	0.42	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:03	BGL
3/4-Methylphenol	ND	9.4	0.45	µg/L	1		SW-846 8270E	8/14/23	8/17/23 9:53	BGL
3/4-Methylphenol	ND	9.1	0.44	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:03	BGL
Naphthalene	ND	4.7	0.85	µg/L	1	L-04	SW-846 8270E	8/14/23	8/17/23 9:53	BGL
Naphthalene	ND	4.5	0.82	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:03	BGL
2-Nitroaniline	ND	9.4	0.47	µg/L	1		SW-846 8270E	8/14/23	8/17/23 9:53	BGL
2-Nitroaniline	ND	9.1	0.45	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:03	BGL
3-Nitroaniline	ND	9.4	0.49	µg/L	1		SW-846 8270E	8/14/23	8/17/23 9:53	BGL
3-Nitroaniline	ND	9.1	0.47	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:03	BGL
4-Nitroaniline	ND	9.4	0.41	µg/L	1		SW-846 8270E	8/14/23	8/17/23 9:53	BGL
4-Nitroaniline	ND	9.1	0.40	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:03	BGL
Nitrobenzene	ND	9.4	0.64	µg/L	1		SW-846 8270E	8/14/23	8/17/23 9:53	BGL
Nitrobenzene	ND	9.1	0.61	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:03	BGL
2-Nitrophenol	ND	9.4	0.51	µg/L	1		SW-846 8270E	8/14/23	8/17/23 9:53	BGL
2-Nitrophenol	ND	9.1	0.49	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:03	BGL
4-Nitrophenol	ND	9.4	1.2	µg/L	1		SW-846 8270E	8/14/23	8/17/23 9:53	BGL
4-Nitrophenol	ND	9.1	1.2	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:03	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	9.4	0.45	µg/L	1		SW-846 8270E	8/14/23	8/17/23 9:53	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	9.1	0.44	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:03	BGL
N-Nitrosodi-n-propylamine	ND	9.4	0.62	µg/L	1		SW-846 8270E	8/14/23	8/17/23 9:53	BGL
N-Nitrosodi-n-propylamine	ND	9.1	0.60	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:03	BGL
Pentachlorophenol	ND	9.4	0.45	µg/L	1		SW-846 8270E	8/14/23	8/17/23 9:53	BGL
Pentachlorophenol	ND	9.1	0.44	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:03	BGL
Phenanthrene	ND	4.7	0.68	µg/L	1		SW-846 8270E	8/14/23	8/17/23 9:53	BGL
Phenanthrene	ND	4.5	0.65	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:03	BGL
Phenol	ND	9.4	0.56	µg/L	1		SW-846 8270E	8/14/23	8/17/23 9:53	BGL
Phenol	6.4	9.1	0.54	µg/L	1	R-05, J	SW-846 8270E	8/7/23	8/17/23 12:03	BGL
Pyrene	ND	4.7	0.43	µg/L	1		SW-846 8270E	8/14/23	8/17/23 9:53	BGL
Pyrene	ND	4.5	0.42	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:03	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.4	1.1	µg/L	1		SW-846 8270E	8/14/23	8/17/23 9:53	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.1	1.1	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:03	BGL
2,4,5-Trichlorophenol	ND	9.4	0.43	µg/L	1		SW-846 8270E	8/14/23	8/17/23 9:53	BGL
2,4,5-Trichlorophenol	ND	9.1	0.41	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:03	BGL
2,4,6-Trichlorophenol	ND	9.4	0.36	µg/L	1		SW-846 8270E	8/14/23	8/17/23 9:53	BGL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-MW1-WG Sampled: 8/2/2023 12:30

Sample ID: 23H0919-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4,6-Trichlorophenol	ND	9.1	0.34	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:03	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	52.9	15-110		8/17/23 12:03
2-Fluorophenol	49.3	15-110		8/17/23 9:53
Phenol-d6	33.5	15-110		8/17/23 9:53
Phenol-d6	36.0	15-110		8/17/23 12:03
Nitrobenzene-d5	65.3	30-130		8/17/23 9:53
Nitrobenzene-d5	78.0	30-130		8/17/23 12:03
2-Fluorobiphenyl	66.2	30-130		8/17/23 9:53
2-Fluorobiphenyl	82.4	30-130		8/17/23 12:03
2,4,6-Tribromophenol	73.7	15-110		8/17/23 9:53
2,4,6-Tribromophenol	88.8	15-110		8/17/23 12:03
p-Terphenyl-d14	82.1	30-130		8/17/23 9:53
p-Terphenyl-d14	95.1	30-130		8/17/23 12:03

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-MW1-WG Sampled: 8/2/2023 12:30

Sample ID: 23H0919-01

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.19	0.032	µg/L	1		SW-846 8270E	8/7/23	8/11/23 0:43	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,4-Dioxane-d8	26.4	15-110		8/11/23 0:43

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-MW1-WG Sampled: 8/2/2023 12:30

Sample ID: 23H0919-01

Sample Matrix: Ground Water

Sample Flags: H-06

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Tentatively Identified Compounds	0.0	µg/L			1	NA		SW-846 8270E	8/14/23	8/17/23 9:53	BGL
No TICs Found	0.0	µg/L			1			SW-846 8270E	8/14/23	8/17/23 9:53	BGL
No TICs Found	0.0	µg/L			1			SW-846 8270E	8/7/23	8/17/23 12:03	BGL

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-MW1-WG Sampled: 8/2/2023 12:30

Sample ID: 23H0919-01

Sample Matrix: Ground Water

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [1]	ND	0.18	0.035	µg/L	1	R-05	SW-846 8081B	8/9/23	8/17/23 4:12	TG
Aldrin [1]	ND	0.046	0.0066	µg/L	1		SW-846 8081B	8/9/23	8/17/23 4:12	TG
alpha-BHC [1]	ND	0.046	0.0034	µg/L	1	R-05	SW-846 8081B	8/9/23	8/17/23 4:12	TG
beta-BHC [1]	ND	0.046	0.0076	µg/L	1	R-05	SW-846 8081B	8/9/23	8/17/23 4:12	TG
delta-BHC [1]	ND	0.046	0.0054	µg/L	1	R-05	SW-846 8081B	8/9/23	8/17/23 4:12	TG
gamma-BHC (Lindane) [1]	ND	0.028	0.0038	µg/L	1	R-05	SW-846 8081B	8/9/23	8/17/23 4:12	TG
Chlordane [1]	ND	0.18	0.031	µg/L	1		SW-846 8081B	8/9/23	8/17/23 4:12	TG
4,4'-DDD [1]	ND	0.037	0.0039	µg/L	1		SW-846 8081B	8/9/23	8/17/23 4:12	TG
4,4'-DDE [1]	ND	0.037	0.0046	µg/L	1		SW-846 8081B	8/9/23	8/17/23 4:12	TG
4,4'-DDT [1]	ND	0.037	0.0056	µg/L	1		SW-846 8081B	8/9/23	8/17/23 4:12	TG
Dieldrin [1]	ND	0.0018	0.00093	µg/L	1	R-05	SW-846 8081B	8/9/23	8/17/23 4:12	TG
Endosulfan I [1]	ND	0.046	0.0047	µg/L	1		SW-846 8081B	8/9/23	8/17/23 4:12	TG
Endosulfan II [1]	ND	0.073	0.0035	µg/L	1	R-05	SW-846 8081B	8/9/23	8/17/23 4:12	TG
Endosulfan sulfate [1]	ND	0.073	0.0059	µg/L	1	R-05	SW-846 8081B	8/9/23	8/17/23 4:12	TG
Endrin [1]	ND	0.073	0.0038	µg/L	1		SW-846 8081B	8/9/23	8/17/23 4:12	TG
Endrin aldehyde [1]	ND	0.073	0.0041	µg/L	1		SW-846 8081B	8/9/23	8/17/23 16:42	TG
Endrin ketone [1]	ND	0.073	0.0036	µg/L	1	R-05	SW-846 8081B	8/9/23	8/17/23 4:12	TG
Heptachlor [1]	ND	0.046	0.0056	µg/L	1		SW-846 8081B	8/9/23	8/17/23 4:12	TG
Heptachlor epoxide [1]	ND	0.046	0.0063	µg/L	1		SW-846 8081B	8/9/23	8/17/23 4:12	TG
Hexachlorobenzene [1]	ND	0.046	0.026	µg/L	1		SW-846 8081B	8/9/23	8/17/23 4:12	TG
Methoxychlor [1]	ND	0.46	0.0095	µg/L	1		SW-846 8081B	8/9/23	8/17/23 4:12	TG
Toxaphene [1]	ND	0.92	0.61	µg/L	1		SW-846 8081B	8/9/23	8/17/23 4:12	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	92.0	30-150		8/17/23 4:12
Decachlorobiphenyl [2]	103	30-150		8/17/23 4:12
Tetrachloro-m-xylene [1]	62.2	30-150		8/17/23 4:12
Tetrachloro-m-xylene [2]	68.6	30-150		8/17/23 4:12

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-MW1-WG Sampled: 8/2/2023 12:30

Sample ID: 23H0919-01

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.18	0.12	µg/L	1		SW-846 8082A	8/9/23	8/14/23 16:59	SFM
Aroclor-1221 [1]	ND	0.18	0.074	µg/L	1		SW-846 8082A	8/9/23	8/14/23 16:59	SFM
Aroclor-1232 [1]	ND	0.18	0.067	µg/L	1		SW-846 8082A	8/9/23	8/14/23 16:59	SFM
Aroclor-1242 [1]	ND	0.18	0.068	µg/L	1		SW-846 8082A	8/9/23	8/14/23 16:59	SFM
Aroclor-1248 [1]	ND	0.18	0.058	µg/L	1		SW-846 8082A	8/9/23	8/14/23 16:59	SFM
Aroclor-1254 [1]	ND	0.18	0.069	µg/L	1		SW-846 8082A	8/9/23	8/14/23 16:59	SFM
Aroclor-1260 [1]	ND	0.18	0.11	µg/L	1		SW-846 8082A	8/9/23	8/14/23 16:59	SFM
Aroclor-1262 [1]	ND	0.18	0.11	µg/L	1		SW-846 8082A	8/9/23	8/14/23 16:59	SFM
Aroclor-1268 [1]	ND	0.18	0.063	µg/L	1		SW-846 8082A	8/9/23	8/14/23 16:59	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	95.6	30-150		8/14/23 16:59
Decachlorobiphenyl [2]	80.7	30-150		8/14/23 16:59
Tetrachloro-m-xylene [1]	73.1	30-150		8/14/23 16:59
Tetrachloro-m-xylene [2]	64.2	30-150		8/14/23 16:59

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-MW1-WG Sampled: 8/2/2023 12:30

Sample ID: 23H0919-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.75	0.050	0.045	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:20	ATP
Antimony	ND	0.050	0.0082	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:20	ATP
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:20	ATP
Barium	0.042	0.050	0.0051	mg/L	1	J	SW-846 6010D	8/7/23	8/8/23 19:20	ATP
Beryllium	ND	0.0040	0.0012	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:20	ATP
Cadmium	ND	0.0040	0.0018	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:20	ATP
Calcium	27	0.50	0.22	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:20	ATP
Chromium	ND	0.010	0.0068	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:20	ATP
Cobalt	ND	0.010	0.0021	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:20	ATP
Copper	ND	0.010	0.0036	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:20	ATP
Iron	0.80	0.050	0.047	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:20	ATP
Lead	ND	0.010	0.0068	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:20	ATP
Magnesium	3.1	0.050	0.0095	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:20	ATP
Manganese	0.086	0.010	0.0028	mg/L	1		SW-846 6010D	8/7/23	8/16/23 17:35	HNN
Mercury	ND	0.00020	0.00014	mg/L	1		SW-846 7470A	8/11/23	8/15/23 9:41	ATP
Nickel	ND	0.010	0.0098	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:20	ATP
Potassium	4.0	2.0	0.28	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:20	ATP
Selenium	ND	0.050	0.018	mg/L	1		SW-846 6010D	8/7/23	8/16/23 17:35	HNN
Silver	0.0038	0.010	0.0035	mg/L	1	B, J	SW-846 6010D	8/7/23	8/8/23 19:20	ATP
Sodium	10	2.0	1.2	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:20	ATP
Thallium	ND	0.050	0.021	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:20	ATP
Vanadium	0.0099	0.010	0.0071	mg/L	1	J	SW-846 6010D	8/7/23	8/16/23 17:35	HNN
Zinc	0.0043	0.010	0.0042	mg/L	1	J	SW-846 6010D	8/7/23	8/8/23 19:20	ATP

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-MW1-WG Sampled: 8/2/2023 12:30

Sample ID: 23H0919-01

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	0.045	mg/L	1		SW-846 6010D	8/8/23	8/9/23 19:35	ATP
Antimony	ND	0.050	0.0082	mg/L	1		SW-846 6010D	8/8/23	8/9/23 19:35	ATP
Arsenic	ND	0.010	0.0073	mg/L	1		SW-846 6010D	8/8/23	8/17/23 18:36	ATP
Barium	0.030	0.050	0.0051	mg/L	1	J	SW-846 6010D	8/8/23	8/9/23 19:35	ATP
Beryllium	ND	0.0040	0.0012	mg/L	1		SW-846 6010D	8/8/23	8/9/23 19:35	ATP
Cadmium	ND	0.0040	0.0018	mg/L	1		SW-846 6010D	8/8/23	8/9/23 19:35	ATP
Calcium	28	0.50	0.091	mg/L	1		SW-846 6010D	8/8/23	8/17/23 18:36	ATP
Chromium	ND	0.010	0.0068	mg/L	1		SW-846 6010D	8/8/23	8/9/23 19:35	ATP
Cobalt	ND	0.010	0.0021	mg/L	1		SW-846 6010D	8/8/23	8/9/23 19:35	ATP
Copper	ND	0.010	0.0036	mg/L	1		SW-846 6010D	8/8/23	8/9/23 19:35	ATP
Iron	ND	0.050	0.047	mg/L	1		SW-846 6010D	8/8/23	8/9/23 19:35	ATP
Lead	ND	0.010	0.0068	mg/L	1		SW-846 6010D	8/8/23	8/17/23 18:36	ATP
Magnesium	2.8	0.050	0.0095	mg/L	1		SW-846 6010D	8/8/23	8/9/23 19:35	ATP
Manganese	ND	0.010	0.0033	mg/L	1		SW-846 6010D	8/8/23	8/9/23 19:35	ATP
Mercury	ND	0.00020	0.00014	mg/L	1		SW-846 7470A	8/8/23	8/9/23 13:49	AAJ
Nickel	ND	0.010	0.0098	mg/L	1		SW-846 6010D	8/8/23	8/9/23 19:35	ATP
Potassium	3.7	2.0	0.28	mg/L	1		SW-846 6010D	8/8/23	8/9/23 19:35	ATP
Selenium	ND	0.050	0.018	mg/L	1		SW-846 6010D	8/8/23	8/17/23 18:36	ATP
Silver	ND	0.010	0.0035	mg/L	1		SW-846 6010D	8/8/23	8/9/23 19:35	ATP
Sodium	9.1	2.0	0.74	mg/L	1		SW-846 6010D	8/8/23	8/17/23 18:36	ATP
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	8/8/23	8/17/23 18:36	ATP
Vanadium	0.0081	0.010	0.0038	mg/L	1	J	SW-846 6010D	8/8/23	8/9/23 19:35	ATP
Zinc	0.0070	0.010	0.0040	mg/L	1	J	SW-846 6010D	8/8/23	8/17/23 18:36	ATP

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-MW1-WG Sampled: 8/2/2023 12:30

Sample ID: 23H0919-01

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	ND	0.010	0.0070	mg/L	1		SW-846 9014	8/10/23	8/11/23 7:04	MMH

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-MW1-WG Sampled: 8/2/2023 12:30

Sample ID: 23H0919-01

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Dissolved)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	ND	0.010	0.0070	mg/L	1		SW-846 9014	8/15/23	8/16/23 6:27	MMH

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-MW2-WG Sampled: 8/2/2023 10:30

Sample ID: 23H0919-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	4.2	50	2.0	µg/L	1	J	SW-846 8260D	8/9/23	8/10/23 7:52	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:52	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:52	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:52	MFF
Bromoform	ND	1.0	0.41	µg/L	1	L-04	SW-846 8260D	8/9/23	8/10/23 7:52	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:52	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:52	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:52	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:52	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:52	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:52	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:52	MFF
Chloroform	0.60	2.0	0.14	µg/L	1	J	SW-846 8260D	8/9/23	8/10/23 7:52	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:52	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:52	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:52	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:52	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:52	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:52	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:52	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:52	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:52	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:52	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:52	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:52	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:52	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:52	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:52	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:52	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:52	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:52	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:52	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:52	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:52	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:52	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:52	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:52	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:52	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:52	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:52	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:52	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:52	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1	L-04, V-05	SW-846 8260D	8/9/23	8/10/23 7:52	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	L-04, V-05	SW-846 8260D	8/9/23	8/10/23 7:52	MFF

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-MW2-WG Sampled: 8/2/2023 10:30

Sample ID: 23H0919-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:52	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:52	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:52	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:52	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:52	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:52	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	8/9/23	8/10/23 7:52	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	115	70-130		8/10/23 7:52
Toluene-d8	102	70-130		8/10/23 7:52
4-Bromofluorobenzene	83.6	70-130		8/10/23 7:52

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-MW2-WG Sampled: 8/2/2023 10:30

Sample ID: 23H0919-02

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			1			SW-846 8260D	8/9/23	8/10/23 7:52	MFF

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-MW2-WG Sampled: 8/2/2023 10:30

Sample ID: 23H0919-02

Sample Matrix: Ground Water

Sample Flags: H-06

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	18	1.5	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:15	BGL
Atrazine	ND	19	1.5	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:24	BGL
Benzaldehyde	ND	9.0	0.65	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:15	BGL
Benzaldehyde	ND	9.3	0.67	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:24	BGL
Biphenyl	ND	18	0.83	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:15	BGL
Biphenyl	ND	19	0.85	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:24	BGL
Caprolactam	ND	9.0	0.65	µg/L	1	L-04, V-05	SW-846 8270E	8/14/23	8/17/23 10:15	BGL
Caprolactam	ND	9.3	0.66	µg/L	1	L-04, V-05	SW-846 8270E	8/7/23	8/17/23 12:24	BGL
Acenaphthene	ND	4.5	0.71	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:15	BGL
Acenaphthene	ND	4.6	0.73	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:24	BGL
Acenaphthylene	ND	4.5	0.58	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:15	BGL
Acenaphthylene	ND	4.6	0.59	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:24	BGL
Acetophenone	ND	9.0	0.45	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:15	BGL
Acetophenone	ND	9.3	0.46	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:24	BGL
Anthracene	ND	4.5	0.49	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:15	BGL
Anthracene	ND	4.6	0.50	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:24	BGL
Benzo(a)anthracene	ND	4.5	0.34	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:15	BGL
Benzo(a)anthracene	ND	4.6	0.35	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:24	BGL
Benzo(a)pyrene	ND	4.5	0.39	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:15	BGL
Benzo(a)pyrene	ND	4.6	0.40	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:24	BGL
Benzo(b)fluoranthene	ND	4.5	0.29	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:15	BGL
Benzo(b)fluoranthene	ND	4.6	0.30	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:24	BGL
Benzo(g,h,i)perylene	ND	4.5	0.47	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:15	BGL
Benzo(g,h,i)perylene	ND	4.6	0.48	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:24	BGL
Benzo(k)fluoranthene	ND	4.5	0.41	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:15	BGL
Benzo(k)fluoranthene	ND	4.6	0.42	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:24	BGL
Bis(2-chloroethoxy)methane	ND	9.0	0.52	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:15	BGL
Bis(2-chloroethoxy)methane	ND	9.3	0.53	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:24	BGL
Bis(2-chloroethyl)ether	ND	9.0	0.41	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:15	BGL
Bis(2-chloroethyl)ether	ND	9.3	0.42	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:24	BGL
Bis(2-chloroisopropyl)ether	ND	9.0	0.68	µg/L	1	V-06	SW-846 8270E	8/14/23	8/17/23 10:15	BGL
Bis(2-chloroisopropyl)ether	ND	9.3	0.69	µg/L	1	V-06	SW-846 8270E	8/7/23	8/17/23 12:24	BGL
Bis(2-Ethylhexyl)phthalate	0.44	9.0	0.29	µg/L	1	V-04, J	SW-846 8270E	8/14/23	8/17/23 10:15	BGL
Bis(2-Ethylhexyl)phthalate	ND	9.3	0.30	µg/L	1	V-04	SW-846 8270E	8/7/23	8/17/23 12:24	BGL
4-Bromophenylphenylether	ND	9.0	0.64	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:15	BGL
4-Bromophenylphenylether	ND	9.3	0.66	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:24	BGL
Butylbenzylphthalate	ND	9.0	0.36	µg/L	1	V-35	SW-846 8270E	8/14/23	8/17/23 10:15	BGL
Butylbenzylphthalate	ND	9.3	0.37	µg/L	1	V-35	SW-846 8270E	8/7/23	8/17/23 12:24	BGL
Carbazole	ND	9.0	0.41	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:15	BGL
Carbazole	ND	9.3	0.42	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:24	BGL
4-Chloroaniline	ND	9.0	4.7	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:15	BGL
4-Chloroaniline	ND	9.3	4.8	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:24	BGL
4-Chloro-3-methylphenol	ND	9.0	0.57	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:15	BGL
4-Chloro-3-methylphenol	ND	9.3	0.59	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:24	BGL

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-MW2-WG Sampled: 8/2/2023 10:30

Sample ID: 23H0919-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Chloronaphthalene	ND	9.0	0.73	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:15	BGL
2-Chloronaphthalene	ND	9.3	0.75	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:24	BGL
2-Chlorophenol	ND	9.0	0.37	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:15	BGL
2-Chlorophenol	ND	9.3	0.38	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:24	BGL
4-Chlorophenylphenylether	ND	9.0	0.78	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:15	BGL
4-Chlorophenylphenylether	ND	9.3	0.81	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:24	BGL
Chrysene	ND	4.5	0.41	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:15	BGL
Chrysene	ND	4.6	0.42	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:24	BGL
Dibenz(a,h)anthracene	ND	4.5	0.43	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:15	BGL
Dibenz(a,h)anthracene	ND	4.6	0.44	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:24	BGL
Dibenzofuran	ND	4.5	0.77	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:15	BGL
Dibenzofuran	ND	4.6	0.79	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:24	BGL
Di-n-butylphthalate	ND	9.0	0.45	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:15	BGL
Di-n-butylphthalate	ND	9.3	0.46	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:24	BGL
3,3-Dichlorobenzidine	ND	9.0	0.41	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:15	BGL
3,3-Dichlorobenzidine	ND	9.3	0.42	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:24	BGL
2,4-Dichlorophenol	ND	9.0	0.42	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:15	BGL
2,4-Dichlorophenol	ND	9.3	0.43	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:24	BGL
Diethylphthalate	ND	9.0	0.50	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:15	BGL
Diethylphthalate	ND	9.3	0.52	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:24	BGL
2,4-Dimethylphenol	ND	9.0	0.37	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:15	BGL
2,4-Dimethylphenol	ND	9.3	0.38	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:24	BGL
Dimethylphthalate	ND	9.0	0.39	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:15	BGL
Dimethylphthalate	ND	9.3	0.40	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:24	BGL
4,6-Dinitro-2-methylphenol	ND	18	2.1	µg/L	1	V-04	SW-846 8270E	8/14/23	8/17/23 10:15	BGL
4,6-Dinitro-2-methylphenol	ND	19	2.1	µg/L	1	V-04	SW-846 8270E	8/7/23	8/17/23 12:24	BGL
2,4-Dinitrophenol	ND	9.0	1.2	µg/L	1	V-04	SW-846 8270E	8/14/23	8/17/23 10:15	BGL
2,4-Dinitrophenol	ND	9.3	1.2	µg/L	1	V-04	SW-846 8270E	8/7/23	8/17/23 12:24	BGL
2,4-Dinitrotoluene	ND	9.0	0.31	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:15	BGL
2,4-Dinitrotoluene	ND	9.3	0.32	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:24	BGL
2,6-Dinitrotoluene	ND	9.0	0.50	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:15	BGL
2,6-Dinitrotoluene	ND	9.3	0.51	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:24	BGL
Di-n-octylphthalate	ND	9.0	0.29	µg/L	1	V-04	SW-846 8270E	8/14/23	8/17/23 10:15	BGL
Di-n-octylphthalate	ND	9.3	0.30	µg/L	1	V-04	SW-846 8270E	8/7/23	8/17/23 12:24	BGL
Fluoranthene	ND	4.5	0.51	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:15	BGL
Fluoranthene	ND	4.6	0.52	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:24	BGL
Fluorene	ND	4.5	0.68	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:15	BGL
Fluorene	ND	4.6	0.70	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:24	BGL
Hexachlorobenzene	ND	9.0	0.65	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:15	BGL
Hexachlorobenzene	ND	9.3	0.67	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:24	BGL
Hexachlorobutadiene	ND	9.0	1.1	µg/L	1	L-04	SW-846 8270E	8/14/23	8/17/23 10:15	BGL
Hexachlorobutadiene	ND	9.3	1.1	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:24	BGL
Hexachlorocyclopentadiene	ND	9.0	2.6	µg/L	1	L-04	SW-846 8270E	8/14/23	8/17/23 10:15	BGL
Hexachlorocyclopentadiene	ND	9.3	2.6	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:24	BGL

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-MW2-WG Sampled: 8/2/2023 10:30

Sample ID: 23H0919-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	9.0	1.1	µg/L	1	L-04	SW-846 8270E	8/14/23	8/17/23 10:15	BGL
Hexachloroethane	ND	9.3	1.2	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:24	BGL
Indeno(1,2,3-cd)pyrene	ND	4.5	0.43	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:15	BGL
Indeno(1,2,3-cd)pyrene	ND	4.6	0.44	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:24	BGL
Isophorone	ND	9.0	0.49	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:15	BGL
Isophorone	ND	9.3	0.50	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:24	BGL
2-Methylnaphthalene	ND	4.5	0.84	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:15	BGL
2-Methylnaphthalene	ND	4.6	0.86	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:24	BGL
2-Methylphenol	ND	9.0	0.41	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:15	BGL
2-Methylphenol	ND	9.3	0.42	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:24	BGL
3/4-Methylphenol	ND	9.0	0.43	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:15	BGL
3/4-Methylphenol	ND	9.3	0.44	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:24	BGL
Naphthalene	ND	4.5	0.81	µg/L	1	L-04	SW-846 8270E	8/14/23	8/17/23 10:15	BGL
Naphthalene	ND	4.6	0.84	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:24	BGL
2-Nitroaniline	ND	9.0	0.45	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:15	BGL
2-Nitroaniline	ND	9.3	0.46	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:24	BGL
3-Nitroaniline	ND	9.0	0.47	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:15	BGL
3-Nitroaniline	ND	9.3	0.48	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:24	BGL
4-Nitroaniline	ND	9.0	0.39	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:15	BGL
4-Nitroaniline	ND	9.3	0.40	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:24	BGL
Nitrobenzene	ND	9.0	0.61	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:15	BGL
Nitrobenzene	ND	9.3	0.63	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:24	BGL
2-Nitrophenol	ND	9.0	0.49	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:15	BGL
2-Nitrophenol	ND	9.3	0.50	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:24	BGL
4-Nitrophenol	ND	9.0	1.2	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:15	BGL
4-Nitrophenol	ND	9.3	1.2	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:24	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	9.0	0.43	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:15	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	9.3	0.44	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:24	BGL
N-Nitrosodi-n-propylamine	ND	9.0	0.59	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:15	BGL
N-Nitrosodi-n-propylamine	ND	9.3	0.61	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:24	BGL
Pentachlorophenol	ND	9.0	0.43	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:15	BGL
Pentachlorophenol	ND	9.3	0.44	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:24	BGL
Phenanthrene	ND	4.5	0.65	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:15	BGL
Phenanthrene	ND	4.6	0.66	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:24	BGL
Phenol	ND	9.0	0.53	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:15	BGL
Phenol	ND	9.3	0.55	µg/L	1	R-05	SW-846 8270E	8/7/23	8/17/23 12:24	BGL
Pyrene	ND	4.5	0.41	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:15	BGL
Pyrene	ND	4.6	0.43	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:24	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.0	1.1	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:15	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.3	1.1	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:24	BGL
2,4,5-Trichlorophenol	ND	9.0	0.41	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:15	BGL
2,4,5-Trichlorophenol	ND	9.3	0.42	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:24	BGL
2,4,6-Trichlorophenol	ND	9.0	0.34	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:15	BGL

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-MW2-WG Sampled: 8/2/2023 10:30

Sample ID: 23H0919-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4,6-Trichlorophenol	ND	9.3	0.35	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:24	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	16.8	15-110		8/17/23 10:15
2-Fluorophenol	32.9	15-110		8/17/23 12:24
Phenol-d6	28.8	15-110		8/17/23 10:15
Phenol-d6	32.4	15-110		8/17/23 12:24
Nitrobenzene-d5	70.1	30-130		8/17/23 10:15
Nitrobenzene-d5	71.1	30-130		8/17/23 12:24
2-Fluorobiphenyl	68.7	30-130		8/17/23 10:15
2-Fluorobiphenyl	80.3	30-130		8/17/23 12:24
2,4,6-Tribromophenol	18.3	15-110		8/17/23 10:15
2,4,6-Tribromophenol	45.8	15-110		8/17/23 12:24
p-Terphenyl-d14	91.6	30-130		8/17/23 10:15
p-Terphenyl-d14	95.5	30-130		8/17/23 12:24

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-MW2-WG Sampled: 8/2/2023 10:30

Sample ID: 23H0919-02

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.20	0.033	µg/L	1		SW-846 8270E	8/7/23	8/11/23 1:03	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,4-Dioxane-d8	24.3	15-110		8/11/23 1:03

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-MW2-WG Sampled: 8/2/2023 10:30

Sample ID: 23H0919-02

Sample Matrix: Ground Water

Sample Flags: H-06

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			1			SW-846 8270E	8/14/23	8/17/23 10:15	BGL
No TICs Found	0.0	µg/L			1			SW-846 8270E	8/7/23	8/17/23 12:24	BGL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-MW2-WG Sampled: 8/2/2023 10:30

Sample ID: 23H0919-02

Sample Matrix: Ground Water

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [1]	ND	0.19	0.035	µg/L	1	R-05	SW-846 8081B	8/9/23	8/17/23 4:33	TG
Aldrin [1]	ND	0.047	0.0068	µg/L	1		SW-846 8081B	8/9/23	8/17/23 4:33	TG
alpha-BHC [1]	ND	0.047	0.0034	µg/L	1	R-05	SW-846 8081B	8/9/23	8/17/23 4:33	TG
beta-BHC [1]	ND	0.047	0.0077	µg/L	1	R-05	SW-846 8081B	8/9/23	8/17/23 4:33	TG
delta-BHC [1]	ND	0.047	0.0055	µg/L	1	R-05	SW-846 8081B	8/9/23	8/17/23 4:33	TG
gamma-BHC (Lindane) [1]	ND	0.028	0.0038	µg/L	1	R-05	SW-846 8081B	8/9/23	8/17/23 4:33	TG
Chlordane [1]	ND	0.19	0.032	µg/L	1		SW-846 8081B	8/9/23	8/17/23 4:33	TG
4,4'-DDD [1]	ND	0.037	0.0039	µg/L	1		SW-846 8081B	8/9/23	8/17/23 4:33	TG
4,4'-DDE [1]	ND	0.037	0.0047	µg/L	1		SW-846 8081B	8/9/23	8/17/23 4:33	TG
4,4'-DDT [1]	ND	0.037	0.0057	µg/L	1		SW-846 8081B	8/9/23	8/17/23 4:33	TG
Dieldrin [1]	ND	0.0019	0.00095	µg/L	1	R-05	SW-846 8081B	8/9/23	8/17/23 4:33	TG
Endosulfan I [1]	ND	0.047	0.0048	µg/L	1		SW-846 8081B	8/9/23	8/17/23 4:33	TG
Endosulfan II [1]	ND	0.075	0.0036	µg/L	1	R-05	SW-846 8081B	8/9/23	8/17/23 4:33	TG
Endosulfan sulfate [1]	ND	0.075	0.0060	µg/L	1	R-05	SW-846 8081B	8/9/23	8/17/23 4:33	TG
Endrin [1]	ND	0.075	0.0039	µg/L	1		SW-846 8081B	8/9/23	8/17/23 4:33	TG
Endrin aldehyde [1]	ND	0.075	0.0042	µg/L	1		SW-846 8081B	8/9/23	8/17/23 17:04	TG
Endrin ketone [1]	ND	0.075	0.0037	µg/L	1	R-05	SW-846 8081B	8/9/23	8/17/23 4:33	TG
Heptachlor [1]	ND	0.047	0.0057	µg/L	1		SW-846 8081B	8/9/23	8/17/23 4:33	TG
Heptachlor epoxide [1]	ND	0.047	0.0064	µg/L	1		SW-846 8081B	8/9/23	8/17/23 4:33	TG
Hexachlorobenzene [1]	ND	0.047	0.026	µg/L	1		SW-846 8081B	8/9/23	8/17/23 4:33	TG
Methoxychlor [1]	ND	0.47	0.0097	µg/L	1		SW-846 8081B	8/9/23	8/17/23 4:33	TG
Toxaphene [1]	ND	0.93	0.62	µg/L	1		SW-846 8081B	8/9/23	8/17/23 4:33	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	84.1	30-150		8/17/23 4:33
Decachlorobiphenyl [2]	87.2	30-150		8/17/23 4:33
Tetrachloro-m-xylene [1]	84.1	30-150		8/17/23 4:33
Tetrachloro-m-xylene [2]	85.4	30-150		8/17/23 4:33

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-MW2-WG Sampled: 8/2/2023 10:30

Sample ID: 23H0919-02

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.19	0.12	µg/L	1		SW-846 8082A	8/9/23	8/14/23 17:17	SFM
Aroclor-1221 [1]	ND	0.19	0.075	µg/L	1		SW-846 8082A	8/9/23	8/14/23 17:17	SFM
Aroclor-1232 [1]	ND	0.19	0.069	µg/L	1		SW-846 8082A	8/9/23	8/14/23 17:17	SFM
Aroclor-1242 [1]	ND	0.19	0.069	µg/L	1		SW-846 8082A	8/9/23	8/14/23 17:17	SFM
Aroclor-1248 [1]	ND	0.19	0.059	µg/L	1		SW-846 8082A	8/9/23	8/14/23 17:17	SFM
Aroclor-1254 [1]	ND	0.19	0.070	µg/L	1		SW-846 8082A	8/9/23	8/14/23 17:17	SFM
Aroclor-1260 [1]	ND	0.19	0.11	µg/L	1		SW-846 8082A	8/9/23	8/14/23 17:17	SFM
Aroclor-1262 [1]	ND	0.19	0.11	µg/L	1		SW-846 8082A	8/9/23	8/14/23 17:17	SFM
Aroclor-1268 [1]	ND	0.19	0.064	µg/L	1		SW-846 8082A	8/9/23	8/14/23 17:17	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	80.6	30-150		8/14/23 17:17
Decachlorobiphenyl [2]	73.1	30-150		8/14/23 17:17
Tetrachloro-m-xylene [1]	81.9	30-150		8/14/23 17:17
Tetrachloro-m-xylene [2]	77.5	30-150		8/14/23 17:17

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-MW2-WG Sampled: 8/2/2023 10:30

Sample ID: 23H0919-02

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.38	0.050	0.045	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:26	ATP
Antimony	0.12	0.050	0.0082	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:26	ATP
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:26	ATP
Barium	0.16	0.050	0.0051	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:26	ATP
Beryllium	ND	0.0040	0.0012	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:26	ATP
Cadmium	ND	0.0040	0.0018	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:26	ATP
Calcium	90	0.50	0.22	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:26	ATP
Chromium	ND	0.010	0.0068	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:26	ATP
Cobalt	ND	0.010	0.0021	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:26	ATP
Copper	0.013	0.010	0.0036	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:26	ATP
Iron	0.61	0.050	0.047	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:26	ATP
Lead	0.0098	0.010	0.0068	mg/L	1	J	SW-846 6010D	8/7/23	8/8/23 19:26	ATP
Magnesium	24	0.050	0.0095	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:26	ATP
Manganese	0.58	0.010	0.0028	mg/L	1		SW-846 6010D	8/7/23	8/16/23 17:41	HNN
Mercury	ND	0.00020	0.00014	mg/L	1		SW-846 7470A	8/11/23	8/15/23 9:43	ATP
Nickel	0.0098	0.010	0.0098	mg/L	1	J	SW-846 6010D	8/7/23	8/8/23 19:26	ATP
Potassium	18	2.0	0.28	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:26	ATP
Selenium	ND	0.050	0.018	mg/L	1		SW-846 6010D	8/7/23	8/16/23 17:41	HNN
Silver	ND	0.010	0.0035	mg/L	1	B-05	SW-846 6010D	8/7/23	8/8/23 19:26	ATP
Sodium	30	2.0	1.2	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:26	ATP
Thallium	ND	0.050	0.021	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:26	ATP
Vanadium	ND	0.010	0.0071	mg/L	1		SW-846 6010D	8/7/23	8/16/23 17:41	HNN
Zinc	0.050	0.010	0.0042	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:26	ATP

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-MW2-WG Sampled: 8/2/2023 10:30

Sample ID: 23H0919-02

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	0.045	mg/L	1		SW-846 6010D	8/8/23	8/9/23 19:41	ATP
Antimony	0.098	0.050	0.0082	mg/L	1		SW-846 6010D	8/8/23	8/9/23 19:41	ATP
Arsenic	ND	0.010	0.0073	mg/L	1		SW-846 6010D	8/8/23	8/17/23 18:42	ATP
Barium	0.15	0.050	0.0051	mg/L	1		SW-846 6010D	8/8/23	8/9/23 19:41	ATP
Beryllium	ND	0.0040	0.0012	mg/L	1		SW-846 6010D	8/8/23	8/9/23 19:41	ATP
Cadmium	ND	0.0040	0.0018	mg/L	1		SW-846 6010D	8/8/23	8/9/23 19:41	ATP
Calcium	97	0.50	0.091	mg/L	1		SW-846 6010D	8/8/23	8/17/23 18:42	ATP
Chromium	ND	0.010	0.0068	mg/L	1		SW-846 6010D	8/8/23	8/9/23 19:41	ATP
Cobalt	ND	0.010	0.0021	mg/L	1		SW-846 6010D	8/8/23	8/9/23 19:41	ATP
Copper	ND	0.010	0.0036	mg/L	1		SW-846 6010D	8/8/23	8/9/23 19:41	ATP
Iron	0.13	0.050	0.047	mg/L	1		SW-846 6010D	8/8/23	8/9/23 19:41	ATP
Lead	ND	0.010	0.0068	mg/L	1		SW-846 6010D	8/8/23	8/17/23 18:42	ATP
Magnesium	25	0.050	0.0095	mg/L	1		SW-846 6010D	8/8/23	8/9/23 19:41	ATP
Manganese	0.62	0.010	0.0033	mg/L	1		SW-846 6010D	8/8/23	8/9/23 19:41	ATP
Mercury	ND	0.00020	0.00014	mg/L	1		SW-846 7470A	8/8/23	8/9/23 13:51	AAJ
Nickel	ND	0.010	0.0098	mg/L	1		SW-846 6010D	8/8/23	8/9/23 19:41	ATP
Potassium	17	2.0	0.28	mg/L	1		SW-846 6010D	8/8/23	8/9/23 19:41	ATP
Selenium	ND	0.050	0.018	mg/L	1		SW-846 6010D	8/8/23	8/17/23 18:42	ATP
Silver	ND	0.010	0.0035	mg/L	1		SW-846 6010D	8/8/23	8/9/23 19:41	ATP
Sodium	31	2.0	0.74	mg/L	1		SW-846 6010D	8/8/23	8/17/23 18:42	ATP
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	8/8/23	8/17/23 18:42	ATP
Vanadium	0.0061	0.010	0.0038	mg/L	1	J	SW-846 6010D	8/8/23	8/9/23 19:41	ATP
Zinc	0.048	0.010	0.0040	mg/L	1		SW-846 6010D	8/8/23	8/17/23 18:42	ATP

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-MW2-WG Sampled: 8/2/2023 10:30

Sample ID: 23H0919-02

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	ND	0.010	0.0070	mg/L	1		SW-846 9014	8/10/23	8/11/23 7:04	MMH

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-MW2-WG Sampled: 8/2/2023 10:30

Sample ID: 23H0919-02

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Dissolved)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	ND	0.010	0.0070	mg/L	1		SW-846 9014	8/15/23	8/16/23 6:27	MMH

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-MW3-WG-MS/M Sampled: 8/2/2023 07:15

Sample ID: 23H0919-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:19	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:19	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:19	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:19	MFF
Bromoform	ND	1.0	0.41	µg/L	1	L-04	SW-846 8260D	8/9/23	8/10/23 8:19	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:19	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:19	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:19	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:19	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:19	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:19	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:19	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:19	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:19	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:19	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:19	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:19	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:19	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:19	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:19	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:19	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:19	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:19	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:19	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:19	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:19	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:19	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:19	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:19	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:19	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:19	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:19	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:19	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:19	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:19	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:19	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:19	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:19	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:19	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:19	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:19	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:19	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1	L-04, V-05	SW-846 8260D	8/9/23	8/10/23 8:19	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	L-04, V-05	SW-846 8260D	8/9/23	8/10/23 8:19	MFF

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-MW3-WG-MS/M Sampled: 8/2/2023 07:15

Sample ID: 23H0919-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:19	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:19	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:19	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:19	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:19	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:19	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:19	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	112	70-130		8/10/23 8:19
Toluene-d8	99.6	70-130		8/10/23 8:19
4-Bromofluorobenzene	79.5	70-130		8/10/23 8:19

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-MW3-WG-MS/M Sampled: 8/2/2023 07:15

Sample ID: 23H0919-03

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			1			SW-846 8260D	8/9/23	8/10/23 8:19	MFF

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-MW3-WG-MS/M Sampled: 8/2/2023 07:15

Sample ID: 23H0919-03

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	19	1.6	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:46	BGL
Atrazine	ND	19	1.6	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:36	BGL
Benzaldehyde	ND	9.7	0.70	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:46	BGL
Benzaldehyde	ND	9.7	0.70	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:36	BGL
Biphenyl	ND	19	0.89	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:46	BGL
Biphenyl	ND	19	0.89	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:36	BGL
Caprolactam	ND	9.7	0.70	µg/L	1	L-04, V-05	SW-846 8270E	8/7/23	8/17/23 12:46	BGL
Caprolactam	10	9.7	0.70	µg/L	1	L-04, MS-09, V-05	SW-846 8270E	8/14/23	8/17/23 10:36	BGL
Acenaphthene	ND	4.9	0.76	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:46	BGL
Acenaphthene	ND	4.9	0.76	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:36	BGL
Acenaphthylene	ND	4.9	0.62	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:46	BGL
Acenaphthylene	ND	4.9	0.62	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:36	BGL
Acetophenone	ND	9.7	0.49	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:46	BGL
Acetophenone	ND	9.7	0.49	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:36	BGL
Anthracene	ND	4.9	0.53	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:46	BGL
Anthracene	ND	4.9	0.53	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:36	BGL
Benzo(a)anthracene	ND	4.9	0.37	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:46	BGL
Benzo(a)anthracene	ND	4.9	0.37	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:36	BGL
Benzo(a)pyrene	ND	4.9	0.42	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:46	BGL
Benzo(a)pyrene	ND	4.9	0.42	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:36	BGL
Benzo(b)fluoranthene	ND	4.9	0.31	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:46	BGL
Benzo(b)fluoranthene	ND	4.9	0.31	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:36	BGL
Benzo(g,h,i)perylene	ND	4.9	0.51	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:46	BGL
Benzo(g,h,i)perylene	ND	4.9	0.51	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:36	BGL
Benzo(k)fluoranthene	ND	4.9	0.44	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:46	BGL
Benzo(k)fluoranthene	ND	4.9	0.44	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:36	BGL
Bis(2-chloroethoxy)methane	ND	9.7	0.56	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:46	BGL
Bis(2-chloroethoxy)methane	ND	9.7	0.56	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:36	BGL
Bis(2-chloroethyl)ether	ND	9.7	0.44	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:46	BGL
Bis(2-chloroethyl)ether	ND	9.7	0.44	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:36	BGL
Bis(2-chloroisopropyl)ether	ND	9.7	0.73	µg/L	1	V-06	SW-846 8270E	8/7/23	8/17/23 12:46	BGL
Bis(2-chloroisopropyl)ether	ND	9.7	0.73	µg/L	1	V-06	SW-846 8270E	8/14/23	8/17/23 10:36	BGL
Bis(2-Ethylhexyl)phthalate	ND	9.7	0.31	µg/L	1	V-04	SW-846 8270E	8/7/23	8/17/23 12:46	BGL
Bis(2-Ethylhexyl)phthalate	ND	9.7	0.31	µg/L	1	V-04	SW-846 8270E	8/14/23	8/17/23 10:36	BGL
4-Bromophenylphenylether	ND	9.7	0.69	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:46	BGL
4-Bromophenylphenylether	ND	9.7	0.69	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:36	BGL
Butylbenzylphthalate	ND	9.7	0.38	µg/L	1	V-35	SW-846 8270E	8/7/23	8/17/23 12:46	BGL
Butylbenzylphthalate	ND	9.7	0.38	µg/L	1	V-35	SW-846 8270E	8/14/23	8/17/23 10:36	BGL
Carbazole	ND	9.7	0.44	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:46	BGL
Carbazole	ND	9.7	0.44	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:36	BGL
4-Chloroaniline	ND	9.7	5.0	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:46	BGL
4-Chloroaniline	ND	9.7	5.0	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:36	BGL
4-Chloro-3-methylphenol	ND	9.7	0.61	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:46	BGL
4-Chloro-3-methylphenol	ND	9.7	0.61	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:36	BGL

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-MW3-WG-MS/M Sampled: 8/2/2023 07:15

Sample ID: 23H0919-03

Sample Matrix: Ground Water

Sample Flags: H-06

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Chloronaphthalene	ND	9.7	0.79	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:46	BGL
2-Chloronaphthalene	ND	9.7	0.79	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:36	BGL
2-Chlorophenol	ND	9.7	0.40	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:46	BGL
2-Chlorophenol	ND	9.7	0.40	µg/L	1	MS-09	SW-846 8270E	8/14/23	8/17/23 10:36	BGL
4-Chlorophenylphenylether	ND	9.7	0.85	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:46	BGL
4-Chlorophenylphenylether	ND	9.7	0.85	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:36	BGL
Chrysene	ND	4.9	0.44	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:46	BGL
Chrysene	ND	4.9	0.44	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:36	BGL
Dibenz(a,h)anthracene	ND	4.9	0.46	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:46	BGL
Dibenz(a,h)anthracene	ND	4.9	0.46	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:36	BGL
Dibenzofuran	ND	4.9	0.83	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:46	BGL
Dibenzofuran	ND	4.9	0.83	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:36	BGL
Di-n-butylphthalate	ND	9.7	0.49	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:46	BGL
Di-n-butylphthalate	ND	9.7	0.49	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:36	BGL
3,3-Dichlorobenzidine	ND	9.7	0.44	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:46	BGL
3,3-Dichlorobenzidine	ND	9.7	0.44	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:36	BGL
2,4-Dichlorophenol	ND	9.7	0.45	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:46	BGL
2,4-Dichlorophenol	ND	9.7	0.45	µg/L	1	MS-09	SW-846 8270E	8/14/23	8/17/23 10:36	BGL
Diethylphthalate	ND	9.7	0.54	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:46	BGL
Diethylphthalate	ND	9.7	0.54	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:36	BGL
2,4-Dimethylphenol	ND	9.7	0.40	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:46	BGL
2,4-Dimethylphenol	ND	9.7	0.40	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:36	BGL
Dimethylphthalate	ND	9.7	0.42	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:46	BGL
Dimethylphthalate	ND	9.7	0.42	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:36	BGL
4,6-Dinitro-2-methylphenol	ND	19	2.2	µg/L	1	V-04	SW-846 8270E	8/7/23	8/17/23 12:46	BGL
4,6-Dinitro-2-methylphenol	ND	19	2.2	µg/L	1	MS-09, V-04	SW-846 8270E	8/14/23	8/17/23 10:36	BGL
2,4-Dinitrophenol	ND	9.7	1.3	µg/L	1	V-04	SW-846 8270E	8/7/23	8/17/23 12:46	BGL
2,4-Dinitrophenol	ND	9.7	1.3	µg/L	1	MS-09, V-04	SW-846 8270E	8/14/23	8/17/23 10:36	BGL
2,4-Dinitrotoluene	ND	9.7	0.34	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:46	BGL
2,4-Dinitrotoluene	ND	9.7	0.34	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:36	BGL
2,6-Dinitrotoluene	ND	9.7	0.53	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:46	BGL
2,6-Dinitrotoluene	ND	9.7	0.53	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:36	BGL
Di-n-octylphthalate	ND	9.7	0.32	µg/L	1	V-04	SW-846 8270E	8/7/23	8/17/23 12:46	BGL
Di-n-octylphthalate	ND	9.7	0.32	µg/L	1	V-04	SW-846 8270E	8/14/23	8/17/23 10:36	BGL
Fluoranthene	ND	4.9	0.55	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:36	BGL
Fluoranthene	ND	4.9	0.55	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:46	BGL
Fluorene	ND	4.9	0.74	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:46	BGL
Fluorene	ND	4.9	0.74	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:36	BGL
Hexachlorobenzene	ND	9.7	0.70	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:36	BGL
Hexachlorobenzene	ND	9.7	0.70	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:46	BGL
Hexachlorobutadiene	ND	9.7	1.2	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:46	BGL
Hexachlorobutadiene	ND	9.7	1.2	µg/L	1	L-04	SW-846 8270E	8/14/23	8/17/23 10:36	BGL
Hexachlorocyclopentadiene	ND	9.7	2.8	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:46	BGL
Hexachlorocyclopentadiene	ND	9.7	2.8	µg/L	1	L-04	SW-846 8270E	8/14/23	8/17/23 10:36	BGL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-MW3-WG-MS/M Sampled: 8/2/2023 07:15

Sample ID: 23H0919-03

Sample Matrix: Ground Water

Sample Flags: H-06

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	9.7	1.2	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:46	BGL
Hexachloroethane	ND	9.7	1.2	µg/L	1	L-04	SW-846 8270E	8/14/23	8/17/23 10:36	BGL
Indeno(1,2,3-cd)pyrene	ND	4.9	0.46	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:46	BGL
Indeno(1,2,3-cd)pyrene	ND	4.9	0.46	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:36	BGL
Isophorone	ND	9.7	0.53	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:46	BGL
Isophorone	ND	9.7	0.53	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:36	BGL
2-Methylnaphthalene	ND	4.9	0.91	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:46	BGL
2-Methylnaphthalene	ND	4.9	0.91	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:36	BGL
2-Methylphenol	ND	9.7	0.44	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:46	BGL
2-Methylphenol	ND	9.7	0.44	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:36	BGL
3/4-Methylphenol	ND	9.7	0.47	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:46	BGL
3/4-Methylphenol	ND	9.7	0.47	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:36	BGL
Naphthalene	ND	4.9	0.88	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:46	BGL
Naphthalene	ND	4.9	0.88	µg/L	1	L-04	SW-846 8270E	8/14/23	8/17/23 10:36	BGL
2-Nitroaniline	ND	9.7	0.48	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:46	BGL
2-Nitroaniline	ND	9.7	0.48	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:36	BGL
3-Nitroaniline	ND	9.7	0.50	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:46	BGL
3-Nitroaniline	ND	9.7	0.50	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:36	BGL
4-Nitroaniline	ND	9.7	0.42	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:46	BGL
4-Nitroaniline	ND	9.7	0.42	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:36	BGL
Nitrobenzene	ND	9.7	0.66	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:46	BGL
Nitrobenzene	ND	9.7	0.66	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:36	BGL
2-Nitrophenol	ND	9.7	0.53	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:46	BGL
2-Nitrophenol	ND	9.7	0.53	µg/L	1	MS-09	SW-846 8270E	8/14/23	8/17/23 10:36	BGL
4-Nitrophenol	ND	9.7	1.2	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:46	BGL
4-Nitrophenol	ND	9.7	1.2	µg/L	1	MS-09	SW-846 8270E	8/14/23	8/17/23 10:36	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	9.7	0.47	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:46	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	9.7	0.47	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:36	BGL
N-Nitrosodi-n-propylamine	ND	9.7	0.64	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:46	BGL
N-Nitrosodi-n-propylamine	ND	9.7	0.64	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:36	BGL
Pentachlorophenol	ND	9.7	0.47	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:46	BGL
Pentachlorophenol	ND	9.7	0.47	µg/L	1	MS-09	SW-846 8270E	8/14/23	8/17/23 10:36	BGL
Phenanthrene	ND	4.9	0.70	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:46	BGL
Phenanthrene	ND	4.9	0.70	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:36	BGL
Phenol	ND	9.7	0.58	µg/L	1	R-05	SW-846 8270E	8/7/23	8/17/23 12:46	BGL
Phenol	ND	9.7	0.58	µg/L	1	MS-09	SW-846 8270E	8/14/23	8/17/23 10:36	BGL
Pyrene	ND	4.9	0.45	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:46	BGL
Pyrene	ND	4.9	0.45	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:36	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.7	1.2	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:46	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.7	1.2	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:36	BGL
2,4,5-Trichlorophenol	ND	9.7	0.44	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:46	BGL
2,4,5-Trichlorophenol	ND	9.7	0.44	µg/L	1	MS-09	SW-846 8270E	8/14/23	8/17/23 10:36	BGL
2,4,6-Trichlorophenol	ND	9.7	0.37	µg/L	1		SW-846 8270E	8/7/23	8/17/23 12:46	BGL

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-MW3-WG-MS/M Sampled: 8/2/2023 07:15

Sample ID: 23H0919-03

Sample Matrix: Ground Water

Sample Flags: H-06

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4,6-Trichlorophenol	ND	9.7	0.37	µg/L	1	MS-09	SW-846 8270E	8/14/23	8/17/23 10:36	BGL

Surrogates	% Recovery		Recovery Limits	Flag/Qual	Date/Time Analyzed
2-Fluorophenol	**11.6**	*	15-110	S-10	8/17/23 12:46
2-Fluorophenol	32.2		15-110		8/17/23 10:36
Phenol-d6	24.7		15-110		8/17/23 12:46
Phenol-d6	26.2		15-110		8/17/23 10:36
Nitrobenzene-d5	74.4		30-130		8/17/23 12:46
Nitrobenzene-d5	52.3		30-130		8/17/23 10:36
2-Fluorobiphenyl	78.8		30-130		8/17/23 12:46
2-Fluorobiphenyl	53.8		30-130		8/17/23 10:36
2,4,6-Tribromophenol	**12.8**	*	15-110	S-10	8/17/23 12:46
2,4,6-Tribromophenol	41.4		15-110		8/17/23 10:36
p-Terphenyl-d14	103		30-130		8/17/23 12:46
p-Terphenyl-d14	72.2		30-130		8/17/23 10:36

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-MW3-WG-MS/M Sampled: 8/2/2023 07:15

Sample ID: 23H0919-03

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	0.31	0.20	0.033	µg/L	1		SW-846 8270E	8/7/23	8/11/23 1:23	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	23.4	15-110			8/11/23 1:23

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-MW3-WG-MS/M Sampled: 8/2/2023 07:15

Sample ID: 23H0919-03

Sample Matrix: Ground Water

Sample Flags: H-06

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			1			SW-846 8270E	8/14/23	8/17/23 10:36	BGL
No TICs Found	0.0	µg/L			1			SW-846 8270E	8/7/23	8/17/23 12:46	BGL

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-MW3-WG-MS/M Sampled: 8/2/2023 07:15

Sample ID: 23H0919-03

Sample Matrix: Ground Water

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [1]	ND	0.21	0.040	µg/L	1	R-05	SW-846 8081B	8/9/23	8/17/23 4:55	TG
Aldrin [1]	ND	0.053	0.0077	µg/L	1		SW-846 8081B	8/9/23	8/17/23 4:55	TG
alpha-BHC [1]	ND	0.053	0.0039	µg/L	1	R-05	SW-846 8081B	8/9/23	8/17/23 4:55	TG
beta-BHC [1]	ND	0.053	0.0088	µg/L	1	R-05	SW-846 8081B	8/9/23	8/17/23 4:55	TG
delta-BHC [1]	ND	0.053	0.0063	µg/L	1	R-05	SW-846 8081B	8/9/23	8/17/23 4:55	TG
gamma-BHC (Lindane) [1]	ND	0.032	0.0044	µg/L	1	R-05	SW-846 8081B	8/9/23	8/17/23 4:55	TG
Chlordane [1]	ND	0.21	0.036	µg/L	1		SW-846 8081B	8/9/23	8/17/23 4:55	TG
4,4'-DDD [1]	ND	0.043	0.0045	µg/L	1		SW-846 8081B	8/9/23	8/17/23 4:55	TG
4,4'-DDE [1]	ND	0.043	0.0054	µg/L	1		SW-846 8081B	8/9/23	8/17/23 4:55	TG
4,4'-DDT [1]	ND	0.043	0.0065	µg/L	1		SW-846 8081B	8/9/23	8/17/23 4:55	TG
Dieldrin [1]	ND	0.0021	0.0011	µg/L	1	R-05	SW-846 8081B	8/9/23	8/17/23 4:55	TG
Endosulfan I [1]	ND	0.053	0.0055	µg/L	1		SW-846 8081B	8/9/23	8/17/23 4:55	TG
Endosulfan II [1]	ND	0.085	0.0041	µg/L	1	R-05	SW-846 8081B	8/9/23	8/17/23 4:55	TG
Endosulfan sulfate [1]	ND	0.085	0.0068	µg/L	1	R-05	SW-846 8081B	8/9/23	8/17/23 4:55	TG
Endrin [1]	ND	0.085	0.0044	µg/L	1		SW-846 8081B	8/9/23	8/17/23 4:55	TG
Endrin aldehyde [1]	ND	0.085	0.0047	µg/L	1		SW-846 8081B	8/9/23	8/17/23 17:25	TG
Endrin ketone [1]	ND	0.085	0.0042	µg/L	1	R-05	SW-846 8081B	8/9/23	8/17/23 4:55	TG
Heptachlor [1]	ND	0.053	0.0065	µg/L	1		SW-846 8081B	8/9/23	8/17/23 4:55	TG
Heptachlor epoxide [1]	ND	0.053	0.0073	µg/L	1		SW-846 8081B	8/9/23	8/17/23 4:55	TG
Hexachlorobenzene [1]	ND	0.053	0.030	µg/L	1		SW-846 8081B	8/9/23	8/17/23 4:55	TG
Methoxychlor [1]	ND	0.53	0.011	µg/L	1		SW-846 8081B	8/9/23	8/17/23 4:55	TG
Toxaphene [1]	ND	1.1	0.71	µg/L	1		SW-846 8081B	8/9/23	8/17/23 4:55	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	82.3	30-150		8/17/23 4:55
Decachlorobiphenyl [2]	88.3	30-150		8/17/23 4:55
Tetrachloro-m-xylene [1]	62.8	30-150		8/17/23 4:55
Tetrachloro-m-xylene [2]	67.8	30-150		8/17/23 4:55

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-MW3-WG-MS/M Sampled: 8/2/2023 07:15

Sample ID: 23H0919-03

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.21	0.13	µg/L	1		SW-846 8082A	8/9/23	8/16/23 18:55	SFM
Aroclor-1221 [1]	ND	0.21	0.086	µg/L	1		SW-846 8082A	8/9/23	8/16/23 18:55	SFM
Aroclor-1232 [1]	ND	0.21	0.078	µg/L	1		SW-846 8082A	8/9/23	8/16/23 18:55	SFM
Aroclor-1242 [1]	ND	0.21	0.078	µg/L	1		SW-846 8082A	8/9/23	8/16/23 18:55	SFM
Aroclor-1248 [1]	ND	0.21	0.068	µg/L	1		SW-846 8082A	8/9/23	8/16/23 18:55	SFM
Aroclor-1254 [1]	ND	0.21	0.080	µg/L	1		SW-846 8082A	8/9/23	8/16/23 18:55	SFM
Aroclor-1260 [1]	ND	0.21	0.12	µg/L	1		SW-846 8082A	8/9/23	8/16/23 18:55	SFM
Aroclor-1262 [1]	ND	0.21	0.13	µg/L	1		SW-846 8082A	8/9/23	8/16/23 18:55	SFM
Aroclor-1268 [1]	ND	0.21	0.073	µg/L	1		SW-846 8082A	8/9/23	8/16/23 18:55	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	91.7	30-150		8/16/23 18:55
Decachlorobiphenyl [2]	87.0	30-150		8/16/23 18:55
Tetrachloro-m-xylene [1]	67.9	30-150		8/16/23 18:55
Tetrachloro-m-xylene [2]	69.4	30-150		8/16/23 18:55

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-MW3-WG-MS/M Sampled: 8/2/2023 07:15

Sample ID: 23H0919-03

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	0.045	mg/L	1		SW-846 6010D	8/7/23	8/8/23 18:36	ATP
Antimony	ND	0.050	0.0082	mg/L	1		SW-846 6010D	8/7/23	8/8/23 18:36	ATP
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	8/7/23	8/8/23 18:36	ATP
Barium	0.34	0.050	0.0051	mg/L	1		SW-846 6010D	8/7/23	8/8/23 18:36	ATP
Beryllium	ND	0.0040	0.0012	mg/L	1		SW-846 6010D	8/7/23	8/8/23 18:36	ATP
Cadmium	ND	0.0040	0.0018	mg/L	1		SW-846 6010D	8/7/23	8/8/23 18:36	ATP
Calcium	75	0.50	0.22	mg/L	1	MS-22	SW-846 6010D	8/7/23	8/8/23 18:36	ATP
Chromium	ND	0.010	0.0068	mg/L	1		SW-846 6010D	8/7/23	8/8/23 18:36	ATP
Cobalt	0.0025	0.010	0.0021	mg/L	1	J	SW-846 6010D	8/7/23	8/8/23 18:36	ATP
Copper	0.0041	0.010	0.0036	mg/L	1	J	SW-846 6010D	8/7/23	8/8/23 18:36	ATP
Iron	ND	0.050	0.047	mg/L	1		SW-846 6010D	8/7/23	8/8/23 18:36	ATP
Lead	ND	0.010	0.0068	mg/L	1		SW-846 6010D	8/7/23	8/8/23 18:36	ATP
Magnesium	30	0.050	0.0095	mg/L	1	MS-22	SW-846 6010D	8/7/23	8/8/23 18:36	ATP
Manganese	3.5	0.010	0.0028	mg/L	1	MS-19	SW-846 6010D	8/7/23	8/16/23 16:38	HNN
Mercury	ND	0.00020	0.00014	mg/L	1		SW-846 7470A	8/11/23	8/15/23 9:45	ATP
Nickel	0.010	0.010	0.0098	mg/L	1		SW-846 6010D	8/7/23	8/8/23 18:36	ATP
Potassium	29	2.0	0.28	mg/L	1		SW-846 6010D	8/7/23	8/8/23 18:36	ATP
Selenium	ND	0.050	0.018	mg/L	1		SW-846 6010D	8/7/23	8/16/23 16:38	HNN
Silver	ND	0.010	0.0035	mg/L	1	B-05	SW-846 6010D	8/7/23	8/8/23 18:36	ATP
Sodium	130	2.0	1.2	mg/L	1		SW-846 6010D	8/7/23	8/8/23 18:36	ATP
Thallium	ND	0.050	0.021	mg/L	1		SW-846 6010D	8/7/23	8/8/23 18:36	ATP
Vanadium	ND	0.010	0.0071	mg/L	1		SW-846 6010D	8/7/23	8/16/23 16:38	HNN
Zinc	ND	0.010	0.0042	mg/L	1		SW-846 6010D	8/7/23	8/8/23 18:36	ATP

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-MW3-WG-MS/M Sampled: 8/2/2023 07:15

Sample ID: 23H0919-03

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	0.045	mg/L	1		SW-846 6010D	8/8/23	8/9/23 19:23	ATP
Antimony	ND	0.050	0.0082	mg/L	1		SW-846 6010D	8/8/23	8/9/23 19:23	ATP
Arsenic	ND	0.010	0.0073	mg/L	1		SW-846 6010D	8/8/23	8/17/23 18:30	ATP
Barium	0.33	0.050	0.0051	mg/L	1		SW-846 6010D	8/8/23	8/9/23 19:23	ATP
Beryllium	ND	0.0040	0.0012	mg/L	1		SW-846 6010D	8/8/23	8/9/23 19:23	ATP
Cadmium	ND	0.0040	0.0018	mg/L	1		SW-846 6010D	8/8/23	8/9/23 19:23	ATP
Calcium	79	0.50	0.091	mg/L	1	MS-19	SW-846 6010D	8/8/23	8/17/23 18:30	ATP
Chromium	ND	0.010	0.0068	mg/L	1		SW-846 6010D	8/8/23	8/9/23 19:23	ATP
Cobalt	ND	0.010	0.0021	mg/L	1		SW-846 6010D	8/8/23	8/9/23 19:23	ATP
Copper	ND	0.010	0.0036	mg/L	1		SW-846 6010D	8/8/23	8/9/23 19:23	ATP
Iron	ND	0.050	0.047	mg/L	1		SW-846 6010D	8/8/23	8/9/23 19:23	ATP
Lead	ND	0.010	0.0068	mg/L	1		SW-846 6010D	8/8/23	8/17/23 18:30	ATP
Magnesium	31	0.050	0.0095	mg/L	1		SW-846 6010D	8/8/23	8/9/23 19:23	ATP
Manganese	3.5	0.010	0.0033	mg/L	1		SW-846 6010D	8/8/23	8/9/23 19:23	ATP
Mercury	ND	0.00020	0.00014	mg/L	1		SW-846 7470A	8/8/23	8/9/23 13:58	AAJ
Nickel	0.010	0.010	0.0098	mg/L	1		SW-846 6010D	8/8/23	8/9/23 19:23	ATP
Potassium	26	2.0	0.28	mg/L	1		SW-846 6010D	8/8/23	8/9/23 19:23	ATP
Selenium	ND	0.050	0.018	mg/L	1		SW-846 6010D	8/8/23	8/17/23 18:30	ATP
Silver	ND	0.010	0.0035	mg/L	1		SW-846 6010D	8/8/23	8/9/23 19:23	ATP
Sodium	130	2.0	0.74	mg/L	1	MS-19	SW-846 6010D	8/8/23	8/17/23 18:30	ATP
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	8/8/23	8/17/23 18:30	ATP
Vanadium	0.0049	0.010	0.0038	mg/L	1	J	SW-846 6010D	8/8/23	8/9/23 19:23	ATP
Zinc	ND	0.010	0.0040	mg/L	1		SW-846 6010D	8/8/23	8/17/23 18:30	ATP

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-MW3-WG-MS/M Sampled: 8/2/2023 07:15

Sample ID: 23H0919-03

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	ND	0.010	0.0070	mg/L	1		SW-846 9014	8/10/23	8/11/23 7:04	MMH

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-MW3-WG-MS/M Sampled: 8/2/2023 07:15

Sample ID: 23H0919-03

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Dissolved)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	ND	0.010	0.0070	mg/L	1		SW-846 9014	8/15/23	8/16/23 6:27	MMH

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-MW4-WG Sampled: 8/2/2023 09:00

Sample ID: 23H0919-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:46	MFF
Benzene	0.56	1.0	0.18	µg/L	1	J	SW-846 8260D	8/9/23	8/10/23 8:46	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:46	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:46	MFF
Bromoform	ND	1.0	0.41	µg/L	1	L-04	SW-846 8260D	8/9/23	8/10/23 8:46	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:46	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:46	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:46	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:46	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:46	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:46	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:46	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:46	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:46	MFF
Cyclohexane	29	5.0	1.8	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:46	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:46	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:46	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:46	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:46	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:46	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:46	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:46	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:46	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:46	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:46	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:46	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:46	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:46	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:46	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:46	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:46	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:46	MFF
Isopropylbenzene (Cumene)	7.1	1.0	0.15	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:46	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:46	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:46	MFF
Methyl Cyclohexane	27	1.0	0.16	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:46	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:46	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:46	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:46	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:46	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:46	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:46	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1	L-04, V-05	SW-846 8260D	8/9/23	8/10/23 8:46	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	L-04, V-05	SW-846 8260D	8/9/23	8/10/23 8:46	MFF

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-MW4-WG Sampled: 8/2/2023 09:00

Sample ID: 23H0919-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:46	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:46	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:46	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:46	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:46	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:46	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	8/9/23	8/10/23 8:46	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	109	70-130		8/10/23 8:46
Toluene-d8	104	70-130		8/10/23 8:46
4-Bromofluorobenzene	87.4	70-130		8/10/23 8:46

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-MW4-WG Sampled: 8/2/2023 09:00

Sample ID: 23H0919-04

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene, 1-ethenyl-3-ethyl-	15	µg/L	258350	10.987	1	007525-62-4	90	SW-846 8260D	8/9/23	8/10/23 8:46	MFF

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Project Location: 250 Water St, Manhattan, NY | Sample Description: | Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-MW4-WG | Sampled: 8/2/2023 09:00

Sample ID: 23H0919-04

Sample Matrix: Ground Water

Sample Flags: H-06

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	18	1.5	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:58	BGL
Atrazine	ND	18	1.5	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:07	BGL
Benzaldehyde	ND	9.2	0.66	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:58	BGL
Benzaldehyde	ND	9.1	0.66	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:07	BGL
Biphenyl	ND	18	0.85	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:58	BGL
Biphenyl	ND	18	0.84	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:07	BGL
Caprolactam	ND	9.2	0.66	µg/L	1	L-04, V-05	SW-846 8270E	8/14/23	8/17/23 10:58	BGL
Caprolactam	ND	9.1	0.65	µg/L	1	L-04, V-05	SW-846 8270E	8/7/23	8/17/23 13:07	BGL
Acenaphthene	ND	4.6	0.72	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:58	BGL
Acenaphthene	ND	4.5	0.71	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:07	BGL
Acenaphthylene	ND	4.6	0.59	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:58	BGL
Acenaphthylene	ND	4.5	0.58	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:07	BGL
Acetophenone	ND	9.2	0.46	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:58	BGL
Acetophenone	ND	9.1	0.46	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:07	BGL
Anthracene	ND	4.6	0.50	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:58	BGL
Anthracene	ND	4.5	0.49	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:07	BGL
Benzo(a)anthracene	ND	4.6	0.35	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:58	BGL
Benzo(a)anthracene	ND	4.5	0.34	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:07	BGL
Benzo(a)pyrene	ND	4.6	0.40	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:58	BGL
Benzo(a)pyrene	ND	4.5	0.39	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:07	BGL
Benzo(b)fluoranthene	ND	4.6	0.30	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:58	BGL
Benzo(b)fluoranthene	ND	4.5	0.29	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:07	BGL
Benzo(g,h,i)perylene	ND	4.6	0.48	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:58	BGL
Benzo(g,h,i)perylene	ND	4.5	0.47	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:07	BGL
Benzo(k)fluoranthene	ND	4.6	0.42	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:58	BGL
Benzo(k)fluoranthene	ND	4.5	0.42	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:07	BGL
Bis(2-chloroethoxy)methane	ND	9.2	0.53	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:58	BGL
Bis(2-chloroethoxy)methane	ND	9.1	0.52	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:07	BGL
Bis(2-chloroethyl)ether	ND	9.2	0.42	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:58	BGL
Bis(2-chloroethyl)ether	ND	9.1	0.42	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:07	BGL
Bis(2-chloroisopropyl)ether	ND	9.2	0.69	µg/L	1	V-06	SW-846 8270E	8/14/23	8/17/23 10:58	BGL
Bis(2-chloroisopropyl)ether	ND	9.1	0.68	µg/L	1	V-06	SW-846 8270E	8/7/23	8/17/23 13:07	BGL
Bis(2-Ethylhexyl)phthalate	ND	9.2	0.30	µg/L	1	V-04	SW-846 8270E	8/14/23	8/17/23 10:58	BGL
Bis(2-Ethylhexyl)phthalate	ND	9.1	0.29	µg/L	1	V-04	SW-846 8270E	8/7/23	8/17/23 13:07	BGL
4-Bromophenylphenylether	ND	9.2	0.65	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:58	BGL
4-Bromophenylphenylether	ND	9.1	0.65	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:07	BGL
Butylbenzylphthalate	ND	9.2	0.36	µg/L	1	V-35	SW-846 8270E	8/14/23	8/17/23 10:58	BGL
Butylbenzylphthalate	ND	9.1	0.36	µg/L	1	V-35	SW-846 8270E	8/7/23	8/17/23 13:07	BGL
Carbazole	ND	9.2	0.42	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:58	BGL
Carbazole	ND	9.1	0.42	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:07	BGL
4-Chloroaniline	ND	9.2	4.8	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:58	BGL
4-Chloroaniline	ND	9.1	4.7	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:07	BGL
4-Chloro-3-methylphenol	ND	9.2	0.58	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:58	BGL
4-Chloro-3-methylphenol	ND	9.1	0.58	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:07	BGL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-MW4-WG Sampled: 8/2/2023 09:00

Sample ID: 23H0919-04

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Chloronaphthalene	ND	9.2	0.75	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:58	BGL
2-Chloronaphthalene	ND	9.1	0.74	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:07	BGL
2-Chlorophenol	ND	9.1	0.37	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:07	BGL
2-Chlorophenol	ND	9.2	0.38	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:58	BGL
4-Chlorophenylphenylether	ND	9.2	0.80	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:58	BGL
4-Chlorophenylphenylether	ND	9.1	0.79	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:07	BGL
Chrysene	ND	4.6	0.42	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:58	BGL
Chrysene	ND	4.5	0.42	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:07	BGL
Dibenz(a,h)anthracene	ND	4.6	0.44	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:58	BGL
Dibenz(a,h)anthracene	ND	4.5	0.43	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:07	BGL
Dibenzofuran	ND	4.6	0.79	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:58	BGL
Dibenzofuran	ND	4.5	0.78	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:07	BGL
Di-n-butylphthalate	ND	9.2	0.46	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:58	BGL
Di-n-butylphthalate	ND	9.1	0.46	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:07	BGL
3,3-Dichlorobenzidine	ND	9.2	0.42	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:58	BGL
3,3-Dichlorobenzidine	ND	9.1	0.42	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:07	BGL
2,4-Dichlorophenol	ND	9.1	0.43	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:07	BGL
2,4-Dichlorophenol	ND	9.2	0.43	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:58	BGL
Diethylphthalate	ND	9.2	0.51	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:58	BGL
Diethylphthalate	ND	9.1	0.51	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:07	BGL
2,4-Dimethylphenol	ND	9.1	0.37	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:07	BGL
2,4-Dimethylphenol	ND	9.2	0.38	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:58	BGL
Dimethylphthalate	ND	9.2	0.40	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:58	BGL
Dimethylphthalate	ND	9.1	0.40	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:07	BGL
4,6-Dinitro-2-methylphenol	ND	18	2.1	µg/L	1	V-04	SW-846 8270E	8/14/23	8/17/23 10:58	BGL
4,6-Dinitro-2-methylphenol	ND	18	2.1	µg/L	1	V-04	SW-846 8270E	8/7/23	8/17/23 13:07	BGL
2,4-Dinitrophenol	ND	9.1	1.2	µg/L	1	V-04	SW-846 8270E	8/7/23	8/17/23 13:07	BGL
2,4-Dinitrophenol	ND	9.2	1.2	µg/L	1	V-04	SW-846 8270E	8/14/23	8/17/23 10:58	BGL
2,4-Dinitrotoluene	ND	9.1	0.32	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:07	BGL
2,4-Dinitrotoluene	ND	9.2	0.32	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:58	BGL
2,6-Dinitrotoluene	ND	9.1	0.50	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:07	BGL
2,6-Dinitrotoluene	ND	9.2	0.50	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:58	BGL
Di-n-octylphthalate	ND	9.2	0.30	µg/L	1	V-04	SW-846 8270E	8/14/23	8/17/23 10:58	BGL
Di-n-octylphthalate	ND	9.1	0.30	µg/L	1	V-04	SW-846 8270E	8/7/23	8/17/23 13:07	BGL
Fluoranthene	ND	4.6	0.52	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:58	BGL
Fluoranthene	ND	4.5	0.51	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:07	BGL
Fluorene	ND	4.6	0.70	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:58	BGL
Fluorene	ND	4.5	0.69	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:07	BGL
Hexachlorobenzene	ND	9.2	0.66	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:58	BGL
Hexachlorobenzene	ND	9.1	0.66	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:07	BGL
Hexachlorobutadiene	ND	9.2	1.1	µg/L	1	L-04	SW-846 8270E	8/14/23	8/17/23 10:58	BGL
Hexachlorobutadiene	ND	9.1	1.1	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:07	BGL
Hexachlorocyclopentadiene	ND	9.2	2.6	µg/L	1	L-04	SW-846 8270E	8/14/23	8/17/23 10:58	BGL
Hexachlorocyclopentadiene	ND	9.1	2.6	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:07	BGL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-MW4-WG Sampled: 8/2/2023 09:00

Sample ID: 23H0919-04

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	9.2	1.1	µg/L	1	L-04	SW-846 8270E	8/14/23	8/17/23 10:58	BGL
Hexachloroethane	ND	9.1	1.1	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:07	BGL
Indeno(1,2,3-cd)pyrene	ND	4.6	0.44	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:58	BGL
Indeno(1,2,3-cd)pyrene	ND	4.5	0.43	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:07	BGL
Isophorone	ND	9.2	0.50	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:58	BGL
Isophorone	ND	9.1	0.49	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:07	BGL
2-Methylnaphthalene	ND	4.6	0.86	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:58	BGL
2-Methylnaphthalene	ND	4.5	0.85	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:07	BGL
2-Methylphenol	ND	9.2	0.42	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:58	BGL
2-Methylphenol	ND	9.1	0.42	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:07	BGL
3/4-Methylphenol	ND	9.2	0.44	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:58	BGL
3/4-Methylphenol	ND	9.1	0.44	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:07	BGL
Naphthalene	ND	4.6	0.83	µg/L	1	L-04	SW-846 8270E	8/14/23	8/17/23 10:58	BGL
Naphthalene	ND	4.5	0.82	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:07	BGL
2-Nitroaniline	ND	9.2	0.46	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:58	BGL
2-Nitroaniline	ND	9.1	0.45	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:07	BGL
3-Nitroaniline	ND	9.2	0.47	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:58	BGL
3-Nitroaniline	ND	9.1	0.47	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:07	BGL
4-Nitroaniline	ND	9.2	0.40	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:58	BGL
4-Nitroaniline	ND	9.1	0.40	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:07	BGL
Nitrobenzene	ND	9.2	0.62	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:58	BGL
Nitrobenzene	ND	9.1	0.61	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:07	BGL
2-Nitrophenol	ND	9.2	0.50	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:58	BGL
2-Nitrophenol	ND	9.1	0.49	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:07	BGL
4-Nitrophenol	ND	9.2	1.2	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:58	BGL
4-Nitrophenol	ND	9.1	1.2	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:07	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	9.2	0.44	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:58	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	9.1	0.44	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:07	BGL
N-Nitrosodi-n-propylamine	ND	9.2	0.60	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:58	BGL
N-Nitrosodi-n-propylamine	ND	9.1	0.60	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:07	BGL
Pentachlorophenol	ND	9.2	0.44	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:58	BGL
Pentachlorophenol	ND	9.1	0.44	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:07	BGL
Phenanthrene	ND	4.6	0.66	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:58	BGL
Phenanthrene	ND	4.5	0.65	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:07	BGL
Phenol	ND	9.2	0.54	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:58	BGL
Phenol	1.2	9.1	0.54	µg/L	1	J, R-05	SW-846 8270E	8/7/23	8/17/23 13:07	BGL
Pyrene	ND	4.6	0.42	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:58	BGL
Pyrene	ND	4.5	0.42	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:07	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.1	1.1	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:07	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.2	1.1	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:58	BGL
2,4,5-Trichlorophenol	ND	9.1	0.41	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:07	BGL
2,4,5-Trichlorophenol	ND	9.2	0.42	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:58	BGL
2,4,6-Trichlorophenol	ND	9.1	0.34	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:07	BGL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-MW4-WG Sampled: 8/2/2023 09:00

Sample ID: 23H0919-04

Sample Matrix: Ground Water

Sample Flags: H-06

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4,6-Trichlorophenol	ND	9.2	0.35	µg/L	1		SW-846 8270E	8/14/23	8/17/23 10:58	BGL

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
2-Fluorophenol	**8.30**	*	15-110	S-19	8/17/23 10:58
2-Fluorophenol	**5.36**	*	15-110	S-19	8/17/23 13:07
Phenol-d6	16.8		15-110		8/17/23 10:58
Phenol-d6	**14.2**	*	15-110	S-19	8/17/23 13:07
Nitrobenzene-d5	54.9		30-130		8/17/23 10:58
Nitrobenzene-d5	74.1		30-130		8/17/23 13:07
2-Fluorobiphenyl	82.4		30-130		8/17/23 13:07
2-Fluorobiphenyl	55.3		30-130		8/17/23 10:58
2,4,6-Tribromophenol	**8.84**	*	15-110	S-19	8/17/23 10:58
2,4,6-Tribromophenol	**4.39**	*	15-110	S-19	8/17/23 13:07
p-Terphenyl-d14	104		30-130		8/17/23 13:07
p-Terphenyl-d14	75.6		30-130		8/17/23 10:58

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-MW4-WG Sampled: 8/2/2023 09:00

Sample ID: 23H0919-04

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	0.67	0.20	0.033	µg/L	1		SW-846 8270E	8/7/23	8/11/23 11:21	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,4-Dioxane-d8	22.0	15-110		8/11/23 11:21

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-MW4-WG Sampled: 8/2/2023 09:00

Sample ID: 23H0919-04

Sample Matrix: Ground Water

Sample Flags: H-06

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			1			SW-846 8270E	8/14/23	8/17/23 10:58	BGL
No TICs Found	0.0	µg/L			1			SW-846 8270E	8/7/23	8/17/23 13:07	BGL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-MW4-WG Sampled: 8/2/2023 09:00

Sample ID: 23H0919-04

Sample Matrix: Ground Water

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [1]	ND	0.19	0.035	µg/L	1	R-05	SW-846 8081B	8/9/23	8/17/23 5:16	TG
Aldrin [1]	ND	0.046	0.0067	µg/L	1		SW-846 8081B	8/9/23	8/17/23 5:16	TG
alpha-BHC [1]	ND	0.046	0.0034	µg/L	1	R-05	SW-846 8081B	8/9/23	8/17/23 5:16	TG
beta-BHC [1]	ND	0.046	0.0077	µg/L	1	R-05	SW-846 8081B	8/9/23	8/17/23 5:16	TG
delta-BHC [1]	ND	0.046	0.0055	µg/L	1	R-05	SW-846 8081B	8/9/23	8/17/23 5:16	TG
gamma-BHC (Lindane) [1]	ND	0.028	0.0038	µg/L	1	R-05	SW-846 8081B	8/9/23	8/17/23 5:16	TG
Chlordane [1]	ND	0.19	0.031	µg/L	1		SW-846 8081B	8/9/23	8/17/23 5:16	TG
4,4'-DDD [1]	ND	0.037	0.0039	µg/L	1		SW-846 8081B	8/9/23	8/17/23 5:16	TG
4,4'-DDE [1]	ND	0.037	0.0047	µg/L	1		SW-846 8081B	8/9/23	8/17/23 5:16	TG
4,4'-DDT [1]	ND	0.037	0.0056	µg/L	1		SW-846 8081B	8/9/23	8/17/23 5:16	TG
Dieldrin [1]	ND	0.0019	0.00094	µg/L	1	R-05	SW-846 8081B	8/9/23	8/17/23 5:16	TG
Endosulfan I [1]	ND	0.046	0.0048	µg/L	1		SW-846 8081B	8/9/23	8/17/23 5:16	TG
Endosulfan II [1]	ND	0.074	0.0036	µg/L	1	R-05	SW-846 8081B	8/9/23	8/17/23 5:16	TG
Endosulfan sulfate [1]	ND	0.074	0.0059	µg/L	1	R-05	SW-846 8081B	8/9/23	8/17/23 5:16	TG
Endrin [1]	ND	0.074	0.0038	µg/L	1		SW-846 8081B	8/9/23	8/17/23 5:16	TG
Endrin aldehyde [1]	ND	0.074	0.0041	µg/L	1		SW-846 8081B	8/9/23	8/17/23 17:47	TG
Endrin ketone [1]	ND	0.074	0.0036	µg/L	1	R-05	SW-846 8081B	8/9/23	8/17/23 5:16	TG
Heptachlor [1]	ND	0.046	0.0056	µg/L	1		SW-846 8081B	8/9/23	8/17/23 5:16	TG
Heptachlor epoxide [1]	ND	0.046	0.0064	µg/L	1		SW-846 8081B	8/9/23	8/17/23 5:16	TG
Hexachlorobenzene [1]	ND	0.046	0.026	µg/L	1		SW-846 8081B	8/9/23	8/17/23 5:16	TG
Methoxychlor [1]	ND	0.46	0.0096	µg/L	1		SW-846 8081B	8/9/23	8/17/23 5:16	TG
Toxaphene [1]	ND	0.93	0.62	µg/L	1		SW-846 8081B	8/9/23	8/17/23 5:16	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	46.8	30-150		8/17/23 5:16
Decachlorobiphenyl [2]	53.1	30-150		8/17/23 5:16
Tetrachloro-m-xylene [1]	63.9	30-150		8/17/23 5:16
Tetrachloro-m-xylene [2]	67.2	30-150		8/17/23 5:16

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-MW4-WG Sampled: 8/2/2023 09:00

Sample ID: 23H0919-04

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.19	0.12	µg/L	1		SW-846 8082A	8/9/23	8/14/23 17:34	SFM
Aroclor-1221 [1]	ND	0.19	0.075	µg/L	1		SW-846 8082A	8/9/23	8/14/23 17:34	SFM
Aroclor-1232 [1]	ND	0.19	0.068	µg/L	1		SW-846 8082A	8/9/23	8/14/23 17:34	SFM
Aroclor-1242 [1]	ND	0.19	0.068	µg/L	1		SW-846 8082A	8/9/23	8/14/23 17:34	SFM
Aroclor-1248 [1]	ND	0.19	0.059	µg/L	1		SW-846 8082A	8/9/23	8/14/23 17:34	SFM
Aroclor-1254 [1]	ND	0.19	0.069	µg/L	1		SW-846 8082A	8/9/23	8/14/23 17:34	SFM
Aroclor-1260 [1]	ND	0.19	0.11	µg/L	1		SW-846 8082A	8/9/23	8/14/23 17:34	SFM
Aroclor-1262 [1]	ND	0.19	0.11	µg/L	1		SW-846 8082A	8/9/23	8/14/23 17:34	SFM
Aroclor-1268 [1]	ND	0.19	0.064	µg/L	1		SW-846 8082A	8/9/23	8/14/23 17:34	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	54.6	30-150		8/14/23 17:34
Decachlorobiphenyl [2]	47.4	30-150		8/14/23 17:34
Tetrachloro-m-xylene [1]	75.8	30-150		8/14/23 17:34
Tetrachloro-m-xylene [2]	69.3	30-150		8/14/23 17:34

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-MW4-WG Sampled: 8/2/2023 09:00

Sample ID: 23H0919-04

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.13	0.050	0.045	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:44	ATP
Antimony	ND	0.050	0.0082	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:44	ATP
Arsenic	0.0098	0.010	0.0047	mg/L	1	J	SW-846 6010D	8/7/23	8/8/23 19:44	ATP
Barium	0.073	0.050	0.0051	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:44	ATP
Beryllium	ND	0.0040	0.0012	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:44	ATP
Cadmium	ND	0.0040	0.0018	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:44	ATP
Calcium	58	0.50	0.22	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:44	ATP
Chromium	ND	0.010	0.0068	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:44	ATP
Cobalt	ND	0.010	0.0021	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:44	ATP
Copper	ND	0.010	0.0036	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:44	ATP
Iron	3.0	0.050	0.047	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:44	ATP
Lead	ND	0.010	0.0068	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:44	ATP
Magnesium	23	0.050	0.0095	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:44	ATP
Manganese	0.55	0.010	0.0028	mg/L	1		SW-846 6010D	8/7/23	8/16/23 17:46	HNN
Mercury	ND	0.00020	0.00014	mg/L	1		SW-846 7470A	8/11/23	8/15/23 9:47	ATP
Nickel	ND	0.010	0.0098	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:44	ATP
Potassium	17	2.0	0.28	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:44	ATP
Selenium	ND	0.050	0.018	mg/L	1		SW-846 6010D	8/7/23	8/16/23 17:46	HNN
Silver	0.0038	0.010	0.0035	mg/L	1	J, B	SW-846 6010D	8/7/23	8/8/23 19:44	ATP
Sodium	300	2.0	1.2	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:44	ATP
Thallium	ND	0.050	0.021	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:44	ATP
Vanadium	ND	0.010	0.0071	mg/L	1		SW-846 6010D	8/7/23	8/16/23 17:46	HNN
Zinc	ND	0.010	0.0042	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:44	ATP

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-MW4-WG Sampled: 8/2/2023 09:00

Sample ID: 23H0919-04

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	0.045	mg/L	1		SW-846 6010D	8/8/23	8/9/23 19:46	ATP
Antimony	ND	0.050	0.0082	mg/L	1		SW-846 6010D	8/8/23	8/9/23 19:46	ATP
Arsenic	0.013	0.010	0.0073	mg/L	1		SW-846 6010D	8/8/23	8/17/23 18:47	ATP
Barium	0.073	0.050	0.0051	mg/L	1		SW-846 6010D	8/8/23	8/9/23 19:46	ATP
Beryllium	ND	0.0040	0.0012	mg/L	1		SW-846 6010D	8/8/23	8/9/23 19:46	ATP
Cadmium	ND	0.0040	0.0018	mg/L	1		SW-846 6010D	8/8/23	8/9/23 19:46	ATP
Calcium	60	0.50	0.091	mg/L	1		SW-846 6010D	8/8/23	8/17/23 18:47	ATP
Chromium	ND	0.010	0.0068	mg/L	1		SW-846 6010D	8/8/23	8/9/23 19:46	ATP
Cobalt	ND	0.010	0.0021	mg/L	1		SW-846 6010D	8/8/23	8/9/23 19:46	ATP
Copper	ND	0.010	0.0036	mg/L	1		SW-846 6010D	8/8/23	8/9/23 19:46	ATP
Iron	3.5	0.050	0.047	mg/L	1		SW-846 6010D	8/8/23	8/9/23 19:46	ATP
Lead	ND	0.010	0.0068	mg/L	1		SW-846 6010D	8/8/23	8/17/23 18:47	ATP
Magnesium	23	0.050	0.0095	mg/L	1		SW-846 6010D	8/8/23	8/9/23 19:46	ATP
Manganese	0.55	0.010	0.0033	mg/L	1		SW-846 6010D	8/8/23	8/9/23 19:46	ATP
Mercury	ND	0.00020	0.00014	mg/L	1		SW-846 7470A	8/8/23	8/9/23 14:00	AAJ
Nickel	ND	0.010	0.0098	mg/L	1		SW-846 6010D	8/8/23	8/9/23 19:46	ATP
Potassium	16	2.0	0.28	mg/L	1		SW-846 6010D	8/8/23	8/9/23 19:46	ATP
Selenium	ND	0.050	0.018	mg/L	1		SW-846 6010D	8/8/23	8/17/23 18:47	ATP
Silver	ND	0.010	0.0035	mg/L	1		SW-846 6010D	8/8/23	8/9/23 19:46	ATP
Sodium	310	2.0	0.74	mg/L	1		SW-846 6010D	8/8/23	8/17/23 18:47	ATP
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	8/8/23	8/17/23 18:47	ATP
Vanadium	0.0064	0.010	0.0038	mg/L	1	J	SW-846 6010D	8/8/23	8/9/23 19:46	ATP
Zinc	ND	0.010	0.0040	mg/L	1		SW-846 6010D	8/8/23	8/17/23 18:47	ATP

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-MW4-WG Sampled: 8/2/2023 09:00

Sample ID: 23H0919-04

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	ND	0.010	0.0070	mg/L	1		SW-846 9014	8/10/23	8/11/23 7:04	MMH

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-MW4-WG Sampled: 8/2/2023 09:00

Sample ID: 23H0919-04

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Dissolved)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	ND	0.010	0.0070	mg/L	1		SW-846 9014	8/15/23	8/16/23 6:27	MMH

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-DUP-WG-20230802 Sampled: 8/2/2023 00:00

Sample ID: 23H0919-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	8/9/23	8/10/23 9:13	MFF
Benzene	0.48	1.0	0.18	µg/L	1	J	SW-846 8260D	8/9/23	8/10/23 9:13	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	8/9/23	8/10/23 9:13	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/9/23	8/10/23 9:13	MFF
Bromoform	ND	1.0	0.41	µg/L	1	L-04	SW-846 8260D	8/9/23	8/10/23 9:13	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	8/9/23	8/10/23 9:13	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	8/9/23	8/10/23 9:13	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	8/9/23	8/10/23 9:13	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	8/9/23	8/10/23 9:13	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/9/23	8/10/23 9:13	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	8/9/23	8/10/23 9:13	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	8/9/23	8/10/23 9:13	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/9/23	8/10/23 9:13	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	8/9/23	8/10/23 9:13	MFF
Cyclohexane	27	5.0	1.8	µg/L	1		SW-846 8260D	8/9/23	8/10/23 9:13	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	8/9/23	8/10/23 9:13	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/9/23	8/10/23 9:13	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/9/23	8/10/23 9:13	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/9/23	8/10/23 9:13	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/9/23	8/10/23 9:13	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	8/9/23	8/10/23 9:13	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/9/23	8/10/23 9:13	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/9/23	8/10/23 9:13	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/9/23	8/10/23 9:13	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/9/23	8/10/23 9:13	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/9/23	8/10/23 9:13	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/9/23	8/10/23 9:13	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/9/23	8/10/23 9:13	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/9/23	8/10/23 9:13	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	8/9/23	8/10/23 9:13	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/9/23	8/10/23 9:13	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	8/9/23	8/10/23 9:13	MFF
Isopropylbenzene (Cumene)	6.8	1.0	0.15	µg/L	1		SW-846 8260D	8/9/23	8/10/23 9:13	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	8/9/23	8/10/23 9:13	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/9/23	8/10/23 9:13	MFF
Methyl Cyclohexane	25	1.0	0.16	µg/L	1		SW-846 8260D	8/9/23	8/10/23 9:13	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	8/9/23	8/10/23 9:13	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	8/9/23	8/10/23 9:13	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/9/23	8/10/23 9:13	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/9/23	8/10/23 9:13	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/9/23	8/10/23 9:13	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/9/23	8/10/23 9:13	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1	L-04, V-05	SW-846 8260D	8/9/23	8/10/23 9:13	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	L-04, V-05	SW-846 8260D	8/9/23	8/10/23 9:13	MFF

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-DUP-WG-20230802 Sampled: 8/2/2023 00:00

Sample ID: 23H0919-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/9/23	8/10/23 9:13	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/9/23	8/10/23 9:13	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/9/23	8/10/23 9:13	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	8/9/23	8/10/23 9:13	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	8/9/23	8/10/23 9:13	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	8/9/23	8/10/23 9:13	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	8/9/23	8/10/23 9:13	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	108	70-130		8/10/23 9:13
Toluene-d8	103	70-130		8/10/23 9:13
4-Bromofluorobenzene	86.8	70-130		8/10/23 9:13

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-DUP-WG-20230802 Sampled: 8/2/2023 00:00

Sample ID: 23H0919-05

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene, 1-ethenyl-3-ethyl-	15	µg/L	259170	10.987	1	007525-62-4	87	SW-846 8260D	8/9/23	8/10/23 9:13	MFF

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-DUP-WG-20230802 Sampled: 8/2/2023 00:00

Sample ID: 23H0919-05

Sample Matrix: Ground Water

Sample Flags: H-06

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	19	1.5	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:20	BGL
Atrazine	ND	19	1.6	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:29	BGL
Benzaldehyde	ND	9.3	0.67	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:20	BGL
Benzaldehyde	ND	9.5	0.69	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:29	BGL
Biphenyl	ND	19	0.85	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:20	BGL
Biphenyl	ND	19	0.88	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:29	BGL
Caprolactam	ND	9.3	0.66	µg/L	1	L-04, V-05	SW-846 8270E	8/14/23	8/17/23 11:20	BGL
Caprolactam	2.6	9.5	0.68	µg/L	1	L-04, V-05, J	SW-846 8270E	8/7/23	8/17/23 13:29	BGL
Acenaphthene	ND	4.6	0.73	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:20	BGL
Acenaphthene	ND	4.8	0.75	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:29	BGL
Acenaphthylene	ND	4.6	0.59	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:20	BGL
Acenaphthylene	ND	4.8	0.61	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:29	BGL
Acetophenone	ND	9.3	0.46	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:20	BGL
Acetophenone	ND	9.5	0.48	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:29	BGL
Anthracene	ND	4.6	0.50	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:20	BGL
Anthracene	ND	4.8	0.52	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:29	BGL
Benzo(a)anthracene	ND	4.6	0.35	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:20	BGL
Benzo(a)anthracene	ND	4.8	0.36	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:29	BGL
Benzo(a)pyrene	ND	4.6	0.40	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:20	BGL
Benzo(a)pyrene	ND	4.8	0.41	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:29	BGL
Benzo(b)fluoranthene	ND	4.6	0.30	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:20	BGL
Benzo(b)fluoranthene	ND	4.8	0.31	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:29	BGL
Benzo(g,h,i)perylene	ND	4.6	0.48	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:20	BGL
Benzo(g,h,i)perylene	ND	4.8	0.50	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:29	BGL
Benzo(k)fluoranthene	ND	4.6	0.42	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:20	BGL
Benzo(k)fluoranthene	ND	4.8	0.44	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:29	BGL
Bis(2-chloroethoxy)methane	ND	9.3	0.53	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:20	BGL
Bis(2-chloroethoxy)methane	ND	9.5	0.55	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:29	BGL
Bis(2-chloroethyl)ether	ND	9.3	0.42	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:20	BGL
Bis(2-chloroethyl)ether	ND	9.5	0.44	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:29	BGL
Bis(2-chloroisopropyl)ether	ND	9.3	0.69	µg/L	1	V-06	SW-846 8270E	8/14/23	8/17/23 11:20	BGL
Bis(2-chloroisopropyl)ether	ND	9.5	0.71	µg/L	1	V-06	SW-846 8270E	8/7/23	8/17/23 13:29	BGL
Bis(2-Ethylhexyl)phthalate	ND	9.3	0.30	µg/L	1	V-04	SW-846 8270E	8/14/23	8/17/23 11:20	BGL
Bis(2-Ethylhexyl)phthalate	ND	9.5	0.31	µg/L	1	V-04	SW-846 8270E	8/7/23	8/17/23 13:29	BGL
4-Bromophenylphenylether	ND	9.3	0.66	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:20	BGL
4-Bromophenylphenylether	ND	9.5	0.68	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:29	BGL
Butylbenzylphthalate	ND	9.3	0.37	µg/L	1	V-35	SW-846 8270E	8/14/23	8/17/23 11:20	BGL
Butylbenzylphthalate	ND	9.5	0.38	µg/L	1	V-35	SW-846 8270E	8/7/23	8/17/23 13:29	BGL
Carbazole	ND	9.3	0.42	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:20	BGL
Carbazole	ND	9.5	0.44	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:29	BGL
4-Chloroaniline	ND	9.3	4.8	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:20	BGL
4-Chloroaniline	ND	9.5	4.9	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:29	BGL
4-Chloro-3-methylphenol	ND	9.3	0.59	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:20	BGL
4-Chloro-3-methylphenol	ND	9.5	0.60	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:29	BGL

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-DUP-WG-20230802 Sampled: 8/2/2023 00:00

Sample ID: 23H0919-05

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Chloronaphthalene	ND	9.3	0.75	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:20	BGL
2-Chloronaphthalene	ND	9.5	0.77	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:29	BGL
2-Chlorophenol	ND	9.3	0.38	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:20	BGL
2-Chlorophenol	ND	9.5	0.39	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:29	BGL
4-Chlorophenylphenylether	ND	9.3	0.81	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:20	BGL
4-Chlorophenylphenylether	ND	9.5	0.83	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:29	BGL
Chrysene	ND	4.6	0.42	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:20	BGL
Chrysene	ND	4.8	0.44	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:29	BGL
Dibenz(a,h)anthracene	ND	4.6	0.44	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:20	BGL
Dibenz(a,h)anthracene	ND	4.8	0.45	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:29	BGL
Dibenzofuran	ND	4.6	0.79	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:20	BGL
Dibenzofuran	ND	4.8	0.82	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:29	BGL
Di-n-butylphthalate	ND	9.3	0.46	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:20	BGL
Di-n-butylphthalate	ND	9.5	0.48	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:29	BGL
3,3-Dichlorobenzidine	ND	9.3	0.42	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:20	BGL
3,3-Dichlorobenzidine	ND	9.5	0.44	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:29	BGL
2,4-Dichlorophenol	ND	9.3	0.43	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:20	BGL
2,4-Dichlorophenol	ND	9.5	0.45	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:29	BGL
Diethylphthalate	ND	9.3	0.52	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:20	BGL
Diethylphthalate	ND	9.5	0.53	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:29	BGL
2,4-Dimethylphenol	ND	9.3	0.38	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:20	BGL
2,4-Dimethylphenol	ND	9.5	0.39	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:29	BGL
Dimethylphthalate	ND	9.3	0.40	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:20	BGL
Dimethylphthalate	ND	9.5	0.42	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:29	BGL
4,6-Dinitro-2-methylphenol	ND	19	2.1	µg/L	1	V-04	SW-846 8270E	8/14/23	8/17/23 11:20	BGL
4,6-Dinitro-2-methylphenol	ND	19	2.2	µg/L	1	V-04	SW-846 8270E	8/7/23	8/17/23 13:29	BGL
2,4-Dinitrophenol	ND	9.3	1.2	µg/L	1	V-04	SW-846 8270E	8/14/23	8/17/23 11:20	BGL
2,4-Dinitrophenol	ND	9.5	1.3	µg/L	1	V-04	SW-846 8270E	8/7/23	8/17/23 13:29	BGL
2,4-Dinitrotoluene	ND	9.3	0.32	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:20	BGL
2,4-Dinitrotoluene	ND	9.5	0.33	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:29	BGL
2,6-Dinitrotoluene	ND	9.3	0.51	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:20	BGL
2,6-Dinitrotoluene	ND	9.5	0.52	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:29	BGL
Di-n-octylphthalate	ND	9.3	0.30	µg/L	1	V-04	SW-846 8270E	8/14/23	8/17/23 11:20	BGL
Di-n-octylphthalate	ND	9.5	0.31	µg/L	1	V-04	SW-846 8270E	8/7/23	8/17/23 13:29	BGL
Fluoranthene	ND	4.6	0.52	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:20	BGL
Fluoranthene	ND	4.8	0.54	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:29	BGL
Fluorene	ND	4.6	0.70	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:20	BGL
Fluorene	ND	4.8	0.72	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:29	BGL
Hexachlorobenzene	ND	9.3	0.67	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:20	BGL
Hexachlorobenzene	ND	9.5	0.69	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:29	BGL
Hexachlorobutadiene	ND	9.3	1.1	µg/L	1	L-04	SW-846 8270E	8/14/23	8/17/23 11:20	BGL
Hexachlorobutadiene	ND	9.5	1.2	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:29	BGL
Hexachlorocyclopentadiene	ND	9.3	2.6	µg/L	1	L-04	SW-846 8270E	8/14/23	8/17/23 11:20	BGL
Hexachlorocyclopentadiene	ND	9.5	2.7	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:29	BGL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-DUP-WG-20230802 Sampled: 8/2/2023 00:00

Sample ID: 23H0919-05

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	9.3	1.2	µg/L	1	L-04	SW-846 8270E	8/14/23	8/17/23 11:20	BGL
Hexachloroethane	ND	9.5	1.2	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:29	BGL
Indeno(1,2,3-cd)pyrene	ND	4.6	0.44	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:20	BGL
Indeno(1,2,3-cd)pyrene	ND	4.8	0.45	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:29	BGL
Isophorone	ND	9.3	0.50	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:20	BGL
Isophorone	ND	9.5	0.52	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:29	BGL
2-Methylnaphthalene	ND	4.6	0.86	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:20	BGL
2-Methylnaphthalene	ND	4.8	0.89	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:29	BGL
2-Methylphenol	ND	9.3	0.42	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:20	BGL
2-Methylphenol	ND	9.5	0.44	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:29	BGL
3/4-Methylphenol	ND	9.3	0.44	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:20	BGL
3/4-Methylphenol	ND	9.5	0.46	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:29	BGL
Naphthalene	ND	4.6	0.84	µg/L	1	L-04	SW-846 8270E	8/14/23	8/17/23 11:20	BGL
Naphthalene	ND	4.8	0.86	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:29	BGL
2-Nitroaniline	ND	9.3	0.46	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:20	BGL
2-Nitroaniline	ND	9.5	0.47	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:29	BGL
3-Nitroaniline	ND	9.3	0.48	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:20	BGL
3-Nitroaniline	ND	9.5	0.49	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:29	BGL
4-Nitroaniline	ND	9.3	0.40	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:20	BGL
4-Nitroaniline	ND	9.5	0.42	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:29	BGL
Nitrobenzene	ND	9.3	0.63	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:20	BGL
Nitrobenzene	ND	9.5	0.64	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:29	BGL
2-Nitrophenol	ND	9.3	0.50	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:20	BGL
2-Nitrophenol	ND	9.5	0.52	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:29	BGL
4-Nitrophenol	ND	9.3	1.2	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:20	BGL
4-Nitrophenol	ND	9.5	1.2	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:29	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	9.3	0.44	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:20	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	9.5	0.46	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:29	BGL
N-Nitrosodi-n-propylamine	ND	9.3	0.61	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:20	BGL
N-Nitrosodi-n-propylamine	ND	9.5	0.62	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:29	BGL
Pentachlorophenol	ND	9.3	0.44	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:20	BGL
Pentachlorophenol	ND	9.5	0.46	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:29	BGL
Phenanthrene	ND	4.6	0.66	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:20	BGL
Phenanthrene	ND	4.8	0.68	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:29	BGL
Phenol	7.4	9.3	0.55	µg/L	1	J	SW-846 8270E	8/14/23	8/17/23 11:20	BGL
Phenol	1.1	9.5	0.56	µg/L	1	R-05, J	SW-846 8270E	8/7/23	8/17/23 13:29	BGL
Pyrene	ND	4.6	0.43	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:20	BGL
Pyrene	ND	4.8	0.44	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:29	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.3	1.1	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:20	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.5	1.1	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:29	BGL
2,4,5-Trichlorophenol	ND	9.3	0.42	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:20	BGL
2,4,5-Trichlorophenol	ND	9.5	0.43	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:29	BGL
2,4,6-Trichlorophenol	ND	9.3	0.35	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:20	BGL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-DUP-WG-20230802 Sampled: 8/2/2023 00:00

Sample ID: 23H0919-05

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4,6-Trichlorophenol	ND	9.5	0.36	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:29	BGL

Surrogates	% Recovery		Recovery Limits	Flag/Qual	Date/Time Analyzed
2-Fluorophenol	**11.4**	*	15-110	S-19	8/17/23 11:20
2-Fluorophenol	**4.62**	*	15-110	S-19	8/17/23 13:29
Phenol-d6	20.6		15-110		8/17/23 11:20
Phenol-d6	**11.5**	*	15-110	S-19	8/17/23 13:29
Nitrobenzene-d5	64.4		30-130		8/17/23 11:20
Nitrobenzene-d5	73.3		30-130		8/17/23 13:29
2-Fluorobiphenyl	64.2		30-130		8/17/23 11:20
2-Fluorobiphenyl	81.4		30-130		8/17/23 13:29
2,4,6-Tribromophenol	**8.06**	*	15-110	S-19	8/17/23 11:20
2,4,6-Tribromophenol	**3.01**	*	15-110	S-19	8/17/23 13:29
p-Terphenyl-d14	83.6		30-130		8/17/23 11:20
p-Terphenyl-d14	98.5		30-130		8/17/23 13:29

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-DUP-WG-20230802 Sampled: 8/2/2023 00:00

Sample ID: 23H0919-05

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.20	0.033	µg/L	1		SW-846 8270E	8/7/23	8/11/23 2:23	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,4-Dioxane-d8	24.5	15-110		8/11/23 2:23

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-DUP-WG-20230802 Sampled: 8/2/2023 00:00

Sample ID: 23H0919-05

Sample Matrix: Ground Water

Sample Flags: H-06

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			1			SW-846 8270E	8/14/23	8/17/23 11:20	BGL
No TICs Found	0.0	µg/L			1			SW-846 8270E	8/7/23	8/17/23 13:29	BGL

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-DUP-WG-20230802 Sampled: 8/2/2023 00:00

Sample ID: 23H0919-05

Sample Matrix: Ground Water

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [1]	ND	0.19	0.036	µg/L	1	R-05	SW-846 8081B	8/9/23	8/17/23 5:38	TG
Aldrin [1]	ND	0.048	0.0069	µg/L	1		SW-846 8081B	8/9/23	8/17/23 5:38	TG
alpha-BHC [1]	ND	0.048	0.0035	µg/L	1	R-05	SW-846 8081B	8/9/23	8/17/23 5:38	TG
beta-BHC [1]	ND	0.048	0.0079	µg/L	1	R-05	SW-846 8081B	8/9/23	8/17/23 5:38	TG
delta-BHC [1]	ND	0.048	0.0056	µg/L	1	R-05	SW-846 8081B	8/9/23	8/17/23 5:38	TG
gamma-BHC (Lindane) [1]	ND	0.029	0.0039	µg/L	1	R-05	SW-846 8081B	8/9/23	8/17/23 5:38	TG
Chlordane [1]	ND	0.19	0.032	µg/L	1		SW-846 8081B	8/9/23	8/17/23 5:38	TG
4,4'-DDD [1]	ND	0.038	0.0040	µg/L	1		SW-846 8081B	8/9/23	8/17/23 5:38	TG
4,4'-DDE [1]	ND	0.038	0.0048	µg/L	1		SW-846 8081B	8/9/23	8/17/23 5:38	TG
4,4'-DDT [1]	ND	0.038	0.0058	µg/L	1		SW-846 8081B	8/9/23	8/17/23 5:38	TG
Dieldrin [1]	ND	0.0019	0.00097	µg/L	1	R-05	SW-846 8081B	8/9/23	8/17/23 5:38	TG
Endosulfan I [1]	ND	0.048	0.0049	µg/L	1		SW-846 8081B	8/9/23	8/17/23 5:38	TG
Endosulfan II [1]	ND	0.076	0.0037	µg/L	1	R-05	SW-846 8081B	8/9/23	8/17/23 5:38	TG
Endosulfan sulfate [1]	ND	0.076	0.0061	µg/L	1	R-05	SW-846 8081B	8/9/23	8/17/23 5:38	TG
Endrin [1]	ND	0.076	0.0039	µg/L	1		SW-846 8081B	8/9/23	8/17/23 5:38	TG
Endrin aldehyde [1]	ND	0.076	0.0042	µg/L	1		SW-846 8081B	8/9/23	8/17/23 18:09	TG
Endrin ketone [1]	ND	0.076	0.0037	µg/L	1	R-05	SW-846 8081B	8/9/23	8/17/23 5:38	TG
Heptachlor [1]	ND	0.048	0.0058	µg/L	1		SW-846 8081B	8/9/23	8/17/23 5:38	TG
Heptachlor epoxide [1]	ND	0.048	0.0065	µg/L	1		SW-846 8081B	8/9/23	8/17/23 5:38	TG
Hexachlorobenzene [1]	ND	0.048	0.027	µg/L	1		SW-846 8081B	8/9/23	8/17/23 5:38	TG
Methoxychlor [1]	ND	0.48	0.0099	µg/L	1		SW-846 8081B	8/9/23	8/17/23 5:38	TG
Toxaphene [1]	ND	0.95	0.63	µg/L	1		SW-846 8081B	8/9/23	8/17/23 5:38	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	49.0	30-150		8/17/23 5:38
Decachlorobiphenyl [2]	55.2	30-150		8/17/23 5:38
Tetrachloro-m-xylene [1]	75.2	30-150		8/17/23 5:38
Tetrachloro-m-xylene [2]	78.7	30-150		8/17/23 5:38

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-DUP-WG-20230802 Sampled: 8/2/2023 00:00

Sample ID: 23H0919-05

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.19	0.12	µg/L	1		SW-846 8082A	8/9/23	8/14/23 17:51	SFM
Aroclor-1221 [1]	ND	0.19	0.077	µg/L	1		SW-846 8082A	8/9/23	8/14/23 17:51	SFM
Aroclor-1232 [1]	ND	0.19	0.070	µg/L	1		SW-846 8082A	8/9/23	8/14/23 17:51	SFM
Aroclor-1242 [1]	ND	0.19	0.070	µg/L	1		SW-846 8082A	8/9/23	8/14/23 17:51	SFM
Aroclor-1248 [1]	ND	0.19	0.061	µg/L	1		SW-846 8082A	8/9/23	8/14/23 17:51	SFM
Aroclor-1254 [1]	ND	0.19	0.071	µg/L	1		SW-846 8082A	8/9/23	8/14/23 17:51	SFM
Aroclor-1260 [1]	ND	0.19	0.11	µg/L	1		SW-846 8082A	8/9/23	8/14/23 17:51	SFM
Aroclor-1262 [1]	ND	0.19	0.11	µg/L	1		SW-846 8082A	8/9/23	8/14/23 17:51	SFM
Aroclor-1268 [1]	ND	0.19	0.065	µg/L	1		SW-846 8082A	8/9/23	8/14/23 17:51	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	57.6	30-150		8/14/23 17:51
Decachlorobiphenyl [2]	50.1	30-150		8/14/23 17:51
Tetrachloro-m-xylene [1]	86.2	30-150		8/14/23 17:51
Tetrachloro-m-xylene [2]	79.4	30-150		8/14/23 17:51

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-DUP-WG-20230802 Sampled: 8/2/2023 00:00

Sample ID: 23H0919-05

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.15	0.050	0.045	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:49	ATP
Antimony	ND	0.050	0.0082	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:49	ATP
Arsenic	0.014	0.010	0.0047	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:49	ATP
Barium	0.076	0.050	0.0051	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:49	ATP
Beryllium	ND	0.0040	0.0012	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:49	ATP
Cadmium	ND	0.0040	0.0018	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:49	ATP
Calcium	59	0.50	0.22	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:49	ATP
Chromium	ND	0.010	0.0068	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:49	ATP
Cobalt	ND	0.010	0.0021	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:49	ATP
Copper	ND	0.010	0.0036	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:49	ATP
Iron	2.8	0.050	0.047	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:49	ATP
Lead	ND	0.010	0.0068	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:49	ATP
Magnesium	22	0.050	0.0095	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:49	ATP
Manganese	0.58	0.010	0.0028	mg/L	1		SW-846 6010D	8/7/23	8/16/23 17:52	HNN
Mercury	ND	0.00020	0.00014	mg/L	1		SW-846 7470A	8/11/23	8/15/23 9:53	ATP
Nickel	ND	0.010	0.0098	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:49	ATP
Potassium	18	2.0	0.28	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:49	ATP
Selenium	ND	0.050	0.018	mg/L	1		SW-846 6010D	8/7/23	8/16/23 17:52	HNN
Silver	0.0039	0.010	0.0035	mg/L	1	J, B	SW-846 6010D	8/7/23	8/8/23 19:49	ATP
Sodium	320	2.0	1.2	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:49	ATP
Thallium	ND	0.050	0.021	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:49	ATP
Vanadium	ND	0.010	0.0071	mg/L	1		SW-846 6010D	8/7/23	8/16/23 17:52	HNN
Zinc	ND	0.010	0.0042	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:49	ATP

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-DUP-WG-20230802 Sampled: 8/2/2023 00:00

Sample ID: 23H0919-05

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	0.045	mg/L	1		SW-846 6010D	8/8/23	8/9/23 19:52	ATP
Antimony	ND	0.050	0.0082	mg/L	1		SW-846 6010D	8/8/23	8/9/23 19:52	ATP
Arsenic	0.014	0.010	0.0073	mg/L	1		SW-846 6010D	8/8/23	8/17/23 18:53	ATP
Barium	0.074	0.050	0.0051	mg/L	1		SW-846 6010D	8/8/23	8/9/23 19:52	ATP
Beryllium	ND	0.0040	0.0012	mg/L	1		SW-846 6010D	8/8/23	8/9/23 19:52	ATP
Cadmium	ND	0.0040	0.0018	mg/L	1		SW-846 6010D	8/8/23	8/9/23 19:52	ATP
Calcium	62	0.50	0.091	mg/L	1		SW-846 6010D	8/8/23	8/17/23 18:53	ATP
Chromium	ND	0.010	0.0068	mg/L	1		SW-846 6010D	8/8/23	8/9/23 19:52	ATP
Cobalt	ND	0.010	0.0021	mg/L	1		SW-846 6010D	8/8/23	8/9/23 19:52	ATP
Copper	ND	0.010	0.0036	mg/L	1		SW-846 6010D	8/8/23	8/9/23 19:52	ATP
Iron	3.5	0.050	0.047	mg/L	1		SW-846 6010D	8/8/23	8/9/23 19:52	ATP
Lead	ND	0.010	0.0068	mg/L	1		SW-846 6010D	8/8/23	8/17/23 18:53	ATP
Magnesium	23	0.050	0.0095	mg/L	1		SW-846 6010D	8/8/23	8/9/23 19:52	ATP
Manganese	0.55	0.010	0.0033	mg/L	1		SW-846 6010D	8/8/23	8/9/23 19:52	ATP
Mercury	ND	0.00020	0.00014	mg/L	1		SW-846 7470A	8/8/23	8/9/23 14:03	AAJ
Nickel	ND	0.010	0.0098	mg/L	1		SW-846 6010D	8/8/23	8/9/23 19:52	ATP
Potassium	16	2.0	0.28	mg/L	1		SW-846 6010D	8/8/23	8/9/23 19:52	ATP
Selenium	ND	0.050	0.018	mg/L	1		SW-846 6010D	8/8/23	8/17/23 18:53	ATP
Silver	ND	0.010	0.0035	mg/L	1		SW-846 6010D	8/8/23	8/9/23 19:52	ATP
Sodium	340	2.0	0.74	mg/L	1		SW-846 6010D	8/8/23	8/17/23 18:53	ATP
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	8/8/23	8/17/23 18:53	ATP
Vanadium	0.0070	0.010	0.0038	mg/L	1	J	SW-846 6010D	8/8/23	8/9/23 19:52	ATP
Zinc	ND	0.010	0.0040	mg/L	1		SW-846 6010D	8/8/23	8/17/23 18:53	ATP

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-DUP-WG-20230802 Sampled: 8/2/2023 00:00

Sample ID: 23H0919-05

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	ND	0.010	0.0070	mg/L	1		SW-846 9014	8/10/23	8/11/23 7:04	MMH

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-DUP-WG-20230802 Sampled: 8/2/2023 00:00

Sample ID: 23H0919-05

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Dissolved)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	ND	0.010	0.0070	mg/L	1	H-15	SW-846 9014	8/15/23	8/16/23 6:27	MMH

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-EB-20230802 Sampled: 8/2/2023 13:00

Sample ID: 23H0919-06

Sample Matrix: Equipment Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:39	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:39	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:39	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:39	MFF
Bromoform	ND	1.0	0.41	µg/L	1	L-04	SW-846 8260D	8/9/23	8/10/23 5:39	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:39	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:39	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:39	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:39	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:39	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:39	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:39	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:39	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:39	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:39	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:39	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:39	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:39	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:39	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:39	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:39	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:39	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:39	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:39	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:39	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:39	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:39	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:39	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:39	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:39	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:39	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:39	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:39	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:39	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:39	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:39	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:39	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:39	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:39	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:39	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:39	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:39	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1	L-04, V-05	SW-846 8260D	8/9/23	8/10/23 5:39	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	L-04, V-05	SW-846 8260D	8/9/23	8/10/23 5:39	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-EB-20230802 Sampled: 8/2/2023 13:00

Sample ID: 23H0919-06

Sample Matrix: Equipment Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:39	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:39	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:39	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:39	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:39	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:39	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:39	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	107	70-130		8/10/23 5:39
Toluene-d8	100	70-130		8/10/23 5:39
4-Bromofluorobenzene	82.5	70-130		8/10/23 5:39

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-EB-20230802 Sampled: 8/2/2023 13:00

Sample ID: 23H0919-06

Sample Matrix: Equipment Blank Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			1			SW-846 8260D	8/9/23	8/10/23 5:39	MFF

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-EB-20230802 Sampled: 8/2/2023 13:00

Sample ID: 23H0919-06

Sample Matrix: Equipment Blank Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	20	1.6	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:51	BGL
Atrazine	ND	20	1.6	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:41	BGL
Benzaldehyde	ND	10	0.72	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:51	BGL
Benzaldehyde	ND	9.9	0.72	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:41	BGL
Biphenyl	ND	20	0.92	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:51	BGL
Biphenyl	ND	20	0.91	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:41	BGL
Caprolactam	ND	9.9	0.71	µg/L	1	L-04, V-05	SW-846 8270E	8/14/23	8/17/23 11:41	BGL
Caprolactam	ND	10	0.72	µg/L	1	L-04, V-05	SW-846 8270E	8/7/23	8/17/23 13:51	BGL
Acenaphthene	ND	5.0	0.79	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:51	BGL
Acenaphthene	ND	5.0	0.78	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:41	BGL
Acenaphthylene	ND	5.0	0.64	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:51	BGL
Acenaphthylene	ND	5.0	0.63	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:41	BGL
Acetophenone	ND	10	0.50	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:51	BGL
Acetophenone	ND	9.9	0.50	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:41	BGL
Anthracene	ND	5.0	0.54	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:51	BGL
Anthracene	ND	5.0	0.54	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:41	BGL
Benzo(a)anthracene	ND	5.0	0.38	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:51	BGL
Benzo(a)anthracene	ND	5.0	0.37	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:41	BGL
Benzo(a)pyrene	ND	5.0	0.43	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:51	BGL
Benzo(a)pyrene	ND	5.0	0.43	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:41	BGL
Benzo(b)fluoranthene	ND	5.0	0.32	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:51	BGL
Benzo(b)fluoranthene	ND	5.0	0.32	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:41	BGL
Benzo(g,h,i)perylene	ND	5.0	0.52	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:51	BGL
Benzo(g,h,i)perylene	ND	5.0	0.52	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:41	BGL
Benzo(k)fluoranthene	ND	5.0	0.46	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:51	BGL
Benzo(k)fluoranthene	ND	5.0	0.45	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:41	BGL
Bis(2-chloroethoxy)methane	ND	10	0.58	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:51	BGL
Bis(2-chloroethoxy)methane	ND	9.9	0.57	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:41	BGL
Bis(2-chloroethyl)ether	ND	9.9	0.45	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:41	BGL
Bis(2-chloroethyl)ether	ND	10	0.46	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:51	BGL
Bis(2-chloroisopropyl)ether	ND	10	0.75	µg/L	1	V-06	SW-846 8270E	8/7/23	8/17/23 13:51	BGL
Bis(2-chloroisopropyl)ether	ND	9.9	0.74	µg/L	1	V-06	SW-846 8270E	8/14/23	8/17/23 11:41	BGL
Bis(2-Ethylhexyl)phthalate	ND	9.9	0.32	µg/L	1	V-04	SW-846 8270E	8/14/23	8/17/23 11:41	BGL
Bis(2-Ethylhexyl)phthalate	ND	10	0.32	µg/L	1	V-04	SW-846 8270E	8/7/23	8/17/23 13:51	BGL
4-Bromophenylphenylether	ND	10	0.71	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:51	BGL
4-Bromophenylphenylether	ND	9.9	0.70	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:41	BGL
Butylbenzylphthalate	ND	10	0.40	µg/L	1	V-35	SW-846 8270E	8/7/23	8/17/23 13:51	BGL
Butylbenzylphthalate	ND	9.9	0.39	µg/L	1	V-35	SW-846 8270E	8/14/23	8/17/23 11:41	BGL
Carbazole	ND	9.9	0.45	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:41	BGL
Carbazole	ND	10	0.46	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:51	BGL
4-Chloroaniline	ND	10	5.2	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:51	BGL
4-Chloroaniline	ND	9.9	5.1	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:41	BGL
4-Chloro-3-methylphenol	ND	10	0.63	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:51	BGL
4-Chloro-3-methylphenol	ND	9.9	0.63	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:41	BGL

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-EB-20230802 Sampled: 8/2/2023 13:00

Sample ID: 23H0919-06

Sample Matrix: Equipment Blank Water

Sample Flags: H-06

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Chloronaphthalene	ND	10	0.81	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:51	BGL
2-Chloronaphthalene	ND	9.9	0.80	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:41	BGL
2-Chlorophenol	ND	10	0.41	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:51	BGL
2-Chlorophenol	ND	9.9	0.41	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:41	BGL
4-Chlorophenylphenylether	ND	10	0.87	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:51	BGL
4-Chlorophenylphenylether	ND	9.9	0.86	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:41	BGL
Chrysene	ND	5.0	0.45	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:41	BGL
Chrysene	ND	5.0	0.46	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:51	BGL
Dibenz(a,h)anthracene	ND	5.0	0.47	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:41	BGL
Dibenz(a,h)anthracene	ND	5.0	0.48	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:51	BGL
Dibenzofuran	ND	5.0	0.85	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:41	BGL
Dibenzofuran	ND	5.0	0.86	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:51	BGL
Di-n-butylphthalate	ND	9.9	0.50	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:41	BGL
Di-n-butylphthalate	ND	10	0.50	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:51	BGL
3,3-Dichlorobenzidine	ND	10	0.46	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:51	BGL
3,3-Dichlorobenzidine	ND	9.9	0.45	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:41	BGL
2,4-Dichlorophenol	ND	10	0.47	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:51	BGL
2,4-Dichlorophenol	ND	9.9	0.46	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:41	BGL
Diethylphthalate	ND	9.9	0.55	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:41	BGL
Diethylphthalate	ND	10	0.56	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:51	BGL
2,4-Dimethylphenol	ND	10	0.41	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:51	BGL
2,4-Dimethylphenol	ND	9.9	0.41	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:41	BGL
Dimethylphthalate	ND	9.9	0.43	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:41	BGL
Dimethylphthalate	ND	10	0.44	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:51	BGL
4,6-Dinitro-2-methylphenol	ND	20	2.3	µg/L	1	V-04	SW-846 8270E	8/7/23	8/17/23 13:51	BGL
4,6-Dinitro-2-methylphenol	ND	20	2.3	µg/L	1	V-04	SW-846 8270E	8/14/23	8/17/23 11:41	BGL
2,4-Dinitrophenol	ND	10	1.3	µg/L	1	V-04	SW-846 8270E	8/7/23	8/17/23 13:51	BGL
2,4-Dinitrophenol	ND	9.9	1.3	µg/L	1	V-04	SW-846 8270E	8/14/23	8/17/23 11:41	BGL
2,4-Dinitrotoluene	ND	10	0.35	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:51	BGL
2,4-Dinitrotoluene	ND	9.9	0.34	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:41	BGL
2,6-Dinitrotoluene	ND	10	0.55	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:51	BGL
2,6-Dinitrotoluene	ND	9.9	0.54	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:41	BGL
Di-n-octylphthalate	ND	9.9	0.32	µg/L	1	V-04	SW-846 8270E	8/14/23	8/17/23 11:41	BGL
Di-n-octylphthalate	ND	10	0.33	µg/L	1	V-04	SW-846 8270E	8/7/23	8/17/23 13:51	BGL
Fluoranthene	ND	5.0	0.56	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:41	BGL
Fluoranthene	ND	5.0	0.56	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:51	BGL
Fluorene	ND	5.0	0.75	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:41	BGL
Fluorene	ND	5.0	0.76	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:51	BGL
Hexachlorobenzene	ND	9.9	0.71	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:41	BGL
Hexachlorobenzene	ND	10	0.72	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:51	BGL
Hexachlorobutadiene	ND	9.9	1.2	µg/L	1	L-04	SW-846 8270E	8/14/23	8/17/23 11:41	BGL
Hexachlorobutadiene	ND	10	1.2	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:51	BGL
Hexachlorocyclopentadiene	ND	9.9	2.8	µg/L	1	L-04	SW-846 8270E	8/14/23	8/17/23 11:41	BGL
Hexachlorocyclopentadiene	ND	10	2.8	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:51	BGL

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-EB-20230802 Sampled: 8/2/2023 13:00

Sample ID: 23H0919-06

Sample Matrix: Equipment Blank Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	9.9	1.2	µg/L	1	L-04	SW-846 8270E	8/14/23	8/17/23 11:41	BGL
Hexachloroethane	ND	10	1.2	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:51	BGL
Indeno(1,2,3-cd)pyrene	ND	5.0	0.47	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:41	BGL
Indeno(1,2,3-cd)pyrene	ND	5.0	0.48	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:51	BGL
Isophorone	ND	9.9	0.54	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:41	BGL
Isophorone	ND	10	0.54	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:51	BGL
2-Methylnaphthalene	ND	5.0	0.93	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:51	BGL
2-Methylnaphthalene	ND	5.0	0.92	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:41	BGL
2-Methylphenol	ND	10	0.46	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:51	BGL
2-Methylphenol	ND	9.9	0.45	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:41	BGL
3/4-Methylphenol	ND	10	0.48	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:51	BGL
3/4-Methylphenol	ND	9.9	0.48	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:41	BGL
Naphthalene	ND	5.0	0.90	µg/L	1	L-04	SW-846 8270E	8/14/23	8/17/23 11:41	BGL
Naphthalene	ND	5.0	0.90	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:51	BGL
2-Nitroaniline	ND	10	0.50	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:51	BGL
2-Nitroaniline	ND	9.9	0.49	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:41	BGL
3-Nitroaniline	ND	10	0.52	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:51	BGL
3-Nitroaniline	ND	9.9	0.51	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:41	BGL
4-Nitroaniline	ND	10	0.44	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:51	BGL
4-Nitroaniline	ND	9.9	0.43	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:41	BGL
Nitrobenzene	ND	9.9	0.67	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:41	BGL
Nitrobenzene	ND	10	0.68	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:51	BGL
2-Nitrophenol	ND	10	0.54	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:51	BGL
2-Nitrophenol	ND	9.9	0.54	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:41	BGL
4-Nitrophenol	ND	10	1.3	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:51	BGL
4-Nitrophenol	ND	9.9	1.3	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:41	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	9.9	0.48	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:41	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	10	0.48	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:51	BGL
N-Nitrosodi-n-propylamine	ND	9.9	0.65	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:41	BGL
N-Nitrosodi-n-propylamine	ND	10	0.65	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:51	BGL
Pentachlorophenol	ND	9.9	0.48	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:41	BGL
Pentachlorophenol	ND	10	0.48	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:51	BGL
Phenanthrene	ND	5.0	0.71	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:41	BGL
Phenanthrene	ND	5.0	0.72	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:51	BGL
Phenol	ND	9.9	0.59	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:41	BGL
Phenol	9.2	10	0.59	µg/L	1	J, R-05	SW-846 8270E	8/7/23	8/17/23 13:51	BGL
Pyrene	ND	5.0	0.46	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:41	BGL
Pyrene	ND	5.0	0.46	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:51	BGL
1,2,4,5-Tetrachlorobenzene	ND	10	1.2	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:51	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.9	1.2	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:41	BGL
2,4,5-Trichlorophenol	ND	10	0.45	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:51	BGL
2,4,5-Trichlorophenol	ND	9.9	0.45	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:41	BGL
2,4,6-Trichlorophenol	ND	10	0.38	µg/L	1		SW-846 8270E	8/7/23	8/17/23 13:51	BGL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-EB-20230802 Sampled: 8/2/2023 13:00

Sample ID: 23H0919-06

Sample Matrix: Equipment Blank Water

Sample Flags: H-06

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4,6-Trichlorophenol	ND	9.9	0.37	µg/L	1		SW-846 8270E	8/14/23	8/17/23 11:41	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	50.8	15-110		8/17/23 13:51
2-Fluorophenol	47.9	15-110		8/17/23 11:41
Phenol-d6	31.8	15-110		8/17/23 11:41
Phenol-d6	35.4	15-110		8/17/23 13:51
Nitrobenzene-d5	63.0	30-130		8/17/23 11:41
Nitrobenzene-d5	69.0	30-130		8/17/23 13:51
2-Fluorobiphenyl	75.1	30-130		8/17/23 13:51
2-Fluorobiphenyl	60.0	30-130		8/17/23 11:41
2,4,6-Tribromophenol	81.2	15-110		8/17/23 13:51
2,4,6-Tribromophenol	73.2	15-110		8/17/23 11:41
p-Terphenyl-d14	79.4	30-130		8/17/23 11:41
p-Terphenyl-d14	98.1	30-130		8/17/23 13:51

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-EB-20230802 Sampled: 8/2/2023 13:00

Sample ID: 23H0919-06

Sample Matrix: Equipment Blank Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.20	0.033	µg/L	1		SW-846 8270E	8/7/23	8/11/23 11:41	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,4-Dioxane-d8	26.7	15-110		8/11/23 11:41

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-EB-20230802 Sampled: 8/2/2023 13:00

Sample ID: 23H0919-06

Sample Matrix: Equipment Blank Water

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			1			SW-846 8270E	8/7/23	8/17/23 13:51	BGL
No TICs Found	0.0	µg/L			1			SW-846 8270E	8/14/23	8/17/23 11:41	BGL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-EB-20230802 Sampled: 8/2/2023 13:00

Sample ID: 23H0919-06

Sample Matrix: Equipment Blank Water

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [1]	ND	0.23	0.044	µg/L	1	R-05	SW-846 8081B	8/9/23	8/17/23 5:59	TG
Aldrin [1]	ND	0.058	0.0084	µg/L	1		SW-846 8081B	8/9/23	8/17/23 5:59	TG
alpha-BHC [1]	ND	0.058	0.0043	µg/L	1	R-05	SW-846 8081B	8/9/23	8/17/23 5:59	TG
beta-BHC [1]	ND	0.058	0.0096	µg/L	1	R-05	SW-846 8081B	8/9/23	8/17/23 5:59	TG
delta-BHC [1]	ND	0.058	0.0069	µg/L	1	R-05	SW-846 8081B	8/9/23	8/17/23 5:59	TG
gamma-BHC (Lindane) [1]	ND	0.035	0.0048	µg/L	1	R-05	SW-846 8081B	8/9/23	8/17/23 5:59	TG
Chlordane [1]	ND	0.23	0.039	µg/L	1		SW-846 8081B	8/9/23	8/17/23 5:59	TG
4,4'-DDD [1]	ND	0.047	0.0049	µg/L	1		SW-846 8081B	8/9/23	8/17/23 5:59	TG
4,4'-DDE [1]	ND	0.047	0.0058	µg/L	1		SW-846 8081B	8/9/23	8/17/23 5:59	TG
4,4'-DDT [1]	ND	0.047	0.0071	µg/L	1		SW-846 8081B	8/9/23	8/17/23 5:59	TG
Dieldrin [1]	ND	0.0023	0.0012	µg/L	1	R-05	SW-846 8081B	8/9/23	8/17/23 5:59	TG
Endosulfan I [1]	ND	0.058	0.0060	µg/L	1		SW-846 8081B	8/9/23	8/17/23 5:59	TG
Endosulfan II [1]	ND	0.093	0.0045	µg/L	1	R-05	SW-846 8081B	8/9/23	8/17/23 5:59	TG
Endosulfan sulfate [1]	ND	0.093	0.0075	µg/L	1	R-05	SW-846 8081B	8/9/23	8/17/23 5:59	TG
Endrin [1]	ND	0.093	0.0048	µg/L	1		SW-846 8081B	8/9/23	8/17/23 5:59	TG
Endrin aldehyde [1]	ND	0.093	0.0052	µg/L	1		SW-846 8081B	8/9/23	8/17/23 18:31	TG
Endrin ketone [1]	ND	0.093	0.0045	µg/L	1	R-05	SW-846 8081B	8/9/23	8/17/23 5:59	TG
Heptachlor [1]	ND	0.058	0.0071	µg/L	1		SW-846 8081B	8/9/23	8/17/23 5:59	TG
Heptachlor epoxide [1]	ND	0.058	0.0080	µg/L	1		SW-846 8081B	8/9/23	8/17/23 5:59	TG
Hexachlorobenzene [1]	ND	0.058	0.033	µg/L	1		SW-846 8081B	8/9/23	8/17/23 5:59	TG
Methoxychlor [1]	ND	0.58	0.012	µg/L	1		SW-846 8081B	8/9/23	8/17/23 5:59	TG
Toxaphene [1]	ND	1.2	0.77	µg/L	1		SW-846 8081B	8/9/23	8/17/23 5:59	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	53.3	30-150		8/17/23 5:59
Decachlorobiphenyl [2]	58.8	30-150		8/17/23 5:59
Tetrachloro-m-xylene [1]	48.3	30-150		8/17/23 5:59
Tetrachloro-m-xylene [2]	53.9	30-150		8/17/23 5:59

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-EB-20230802 Sampled: 8/2/2023 13:00

Sample ID: 23H0919-06

Sample Matrix: Equipment Blank Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.23	0.15	µg/L	1		SW-846 8082A	8/9/23	8/16/23 19:13	SFM
Aroclor-1221 [1]	ND	0.23	0.094	µg/L	1		SW-846 8082A	8/9/23	8/16/23 19:13	SFM
Aroclor-1232 [1]	ND	0.23	0.086	µg/L	1		SW-846 8082A	8/9/23	8/16/23 19:13	SFM
Aroclor-1242 [1]	ND	0.23	0.086	µg/L	1		SW-846 8082A	8/9/23	8/16/23 19:13	SFM
Aroclor-1248 [1]	ND	0.23	0.074	µg/L	1		SW-846 8082A	8/9/23	8/16/23 19:13	SFM
Aroclor-1254 [1]	ND	0.23	0.087	µg/L	1		SW-846 8082A	8/9/23	8/16/23 19:13	SFM
Aroclor-1260 [1]	ND	0.23	0.14	µg/L	1		SW-846 8082A	8/9/23	8/16/23 19:13	SFM
Aroclor-1262 [1]	ND	0.23	0.14	µg/L	1		SW-846 8082A	8/9/23	8/16/23 19:13	SFM
Aroclor-1268 [1]	ND	0.23	0.080	µg/L	1		SW-846 8082A	8/9/23	8/16/23 19:13	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	60.9	30-150		8/16/23 19:13
Decachlorobiphenyl [2]	56.8	30-150		8/16/23 19:13
Tetrachloro-m-xylene [1]	52.4	30-150		8/16/23 19:13
Tetrachloro-m-xylene [2]	53.9	30-150		8/16/23 19:13

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-EB-20230802 Sampled: 8/2/2023 13:00

Sample ID: 23H0919-06

Sample Matrix: Equipment Blank Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	0.045	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:55	ATP
Antimony	ND	0.050	0.0082	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:55	ATP
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:55	ATP
Barium	ND	0.050	0.0051	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:55	ATP
Beryllium	ND	0.0040	0.0012	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:55	ATP
Cadmium	ND	0.0040	0.0018	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:55	ATP
Calcium	ND	0.50	0.22	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:55	ATP
Chromium	ND	0.010	0.0068	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:55	ATP
Cobalt	ND	0.010	0.0021	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:55	ATP
Copper	ND	0.010	0.0036	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:55	ATP
Iron	ND	0.050	0.047	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:55	ATP
Lead	ND	0.010	0.0068	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:55	ATP
Magnesium	ND	0.050	0.0095	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:55	ATP
Manganese	ND	0.010	0.0028	mg/L	1		SW-846 6010D	8/7/23	8/16/23 17:58	HNN
Mercury	ND	0.00020	0.00014	mg/L	1		SW-846 7470A	8/11/23	8/15/23 9:55	ATP
Nickel	ND	0.010	0.0098	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:55	ATP
Potassium	ND	2.0	0.28	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:55	ATP
Selenium	ND	0.050	0.018	mg/L	1		SW-846 6010D	8/7/23	8/16/23 17:58	HNN
Silver	0.0036	0.010	0.0035	mg/L	1	J, B	SW-846 6010D	8/7/23	8/8/23 19:55	ATP
Sodium	ND	2.0	1.2	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:55	ATP
Thallium	ND	0.050	0.021	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:55	ATP
Vanadium	ND	0.010	0.0071	mg/L	1		SW-846 6010D	8/7/23	8/16/23 17:58	HNN
Zinc	ND	0.010	0.0042	mg/L	1		SW-846 6010D	8/7/23	8/8/23 19:55	ATP

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-EB-20230802 Sampled: 8/2/2023 13:00

Sample ID: 23H0919-06

Sample Matrix: Equipment Blank Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	ND	0.010	0.0070	mg/L	1		SW-846 9014	8/10/23	8/11/23 7:04	MMH

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-TB-20230802 Sampled: 8/2/2023 00:00

Sample ID: 23H0919-07

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:13	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:13	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:13	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:13	MFF
Bromoform	ND	1.0	0.41	µg/L	1	L-04	SW-846 8260D	8/9/23	8/10/23 5:13	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:13	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:13	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:13	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:13	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:13	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:13	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:13	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:13	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:13	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:13	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:13	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:13	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:13	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:13	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:13	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:13	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:13	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:13	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:13	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:13	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:13	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:13	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:13	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:13	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:13	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:13	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:13	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:13	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:13	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:13	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:13	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:13	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:13	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:13	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:13	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:13	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:13	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1	L-04, V-05	SW-846 8260D	8/9/23	8/10/23 5:13	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	L-04, V-05	SW-846 8260D	8/9/23	8/10/23 5:13	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-TB-20230802 Sampled: 8/2/2023 00:00

Sample ID: 23H0919-07

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:13	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:13	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:13	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:13	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:13	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:13	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	8/9/23	8/10/23 5:13	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	108	70-130		8/10/23 5:13
Toluene-d8	99.4	70-130		8/10/23 5:13
4-Bromofluorobenzene	79.4	70-130		8/10/23 5:13

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23H0919

Date Received: 8/4/2023

Field Sample #: 250WATERST-TB-20230802 Sampled: 8/2/2023 00:00

Sample ID: 23H0919-07

Sample Matrix: Trip Blank Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			1			SW-846 8260D	8/9/23	8/10/23 5:13	MFF

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

250WATERST-MW3-WG

Laboratory:	Pace New England	Work Order:	23H0919
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Water	Analysis:	SW-846 8260D
Batch:	B348515	Preparation:	SW-846 5030B
% Solids:		Laboratory ID:	B348515-MS2
Initial/Final:	5 mL / 5 mL	Sample Lab ID:	23H0919-03
Column:			

ANALYTE	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	MS CONCENTRATION (µg/L)	MS % REC.		QC LIMITS REC.
Acetone	100	ND	91.8	91.8		70 - 130
Benzene	10.0	ND	10.2	102		70 - 130
Bromochloromethane	10.0	ND	11.2	112		70 - 130
Bromodichloromethane	10.0	ND	9.40	94.0		70 - 130
Bromoform	10.0	ND	6.71	67.1	*	70 - 130
Bromomethane	10.0	ND	11.8	118		70 - 130
2-Butanone (MEK)	100	ND	101	101		70 - 130
Carbon Disulfide	100	ND	95.7	95.7		70 - 130
Carbon Tetrachloride	10.0	ND	8.45	84.5		70 - 130
Chlorobenzene	10.0	ND	8.91	89.1		70 - 130
Chlorodibromomethane	10.0	ND	8.22	82.2		70 - 130
Chloroethane	10.0	ND	8.87	88.7		70 - 130
Chloroform	10.0	ND	10.1	101		70 - 130
Chloromethane	10.0	ND	10.2	102		70 - 130
Cyclohexane	10.0	ND	10.4	104		70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	10.0	ND	7.43	74.3		70 - 130
1,2-Dibromoethane (EDB)	10.0	ND	9.08	90.8		70 - 130
1,2-Dichlorobenzene	10.0	ND	8.90	89.0		70 - 130
1,3-Dichlorobenzene	10.0	ND	9.15	91.5		70 - 130
1,4-Dichlorobenzene	10.0	ND	8.75	87.5		70 - 130
Dichlorodifluoromethane (Freon 12)	10.0	ND	9.17	91.7		70 - 130
1,1-Dichloroethane	10.0	ND	10.1	101		70 - 130
1,2-Dichloroethane	10.0	ND	9.19	91.9		70 - 130
1,1-Dichloroethylene	10.0	ND	9.47	94.7		70 - 130
cis-1,2-Dichloroethylene	10.0	ND	9.02	90.2		70 - 130
trans-1,2-Dichloroethylene	10.0	ND	9.33	93.3		70 - 130
1,2-Dichloropropane	10.0	ND	9.62	96.2		70 - 130
cis-1,3-Dichloropropene	10.0	ND	8.16	81.6		70 - 130
trans-1,3-Dichloropropene	10.0	ND	8.18	81.8		70 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

250WATERST-MW3-WG

Laboratory:	Pace New England	Work Order:	23H0919
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Water	Analysis:	SW-846 8260D
Batch:	B348515	Preparation:	SW-846 5030B
% Solids:		Laboratory ID:	B348515-MS2
Initial/Final:	5 mL / 5 mL	Sample Lab ID:	23H0919-03
Column:			

ANALYTE	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	MS CONCENTRATION (µg/L)	MS % REC.		QC LIMITS REC.
1,4-Dioxane	100	ND	75.0	75.0		70 - 130
Ethylbenzene	10.0	ND	8.71	87.1		70 - 130
2-Hexanone (MBK)	100	ND	83.0	83.0		70 - 130
Isopropylbenzene (Cumene)	10.0	ND	7.73	77.3		70 - 130
Methyl Acetate	10.0	ND	6.31	63.1	*	70 - 130
Methyl tert-Butyl Ether (MTBE)	10.0	ND	8.40	84.0		70 - 130
Methyl Cyclohexane	10.0	ND	9.23	92.3		70 - 130
Methylene Chloride	10.0	ND	9.94	99.4		70 - 130
4-Methyl-2-pentanone (MIBK)	100	ND	86.6	86.6		70 - 130
Styrene	10.0	ND	7.49	74.9		70 - 130
1,1,2,2-Tetrachloroethane	10.0	ND	8.39	83.9		70 - 130
Tetrachloroethylene	10.0	ND	9.66	96.6		70 - 130
Toluene	10.0	ND	9.42	94.2		70 - 130
1,2,3-Trichlorobenzene	10.0	ND	6.46	64.6	*	70 - 130
1,2,4-Trichlorobenzene	10.0	ND	5.91	59.1	*	70 - 130
1,1,1-Trichloroethane	10.0	ND	9.98	99.8		70 - 130
1,1,2-Trichloroethane	10.0	ND	9.34	93.4		70 - 130
Trichloroethylene	10.0	ND	9.20	92.0		70 - 130
Trichlorofluoromethane (Freon 11)	10.0	ND	9.09	90.9		70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	ND	9.53	95.3		70 - 130
Vinyl Chloride	10.0	ND	10.3	103		70 - 130
Xylenes (total)	30.0	ND	24.4	81.2		0 - 200

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

250WATERST-MW3-WG

Laboratory:	Pace New England	Work Order:	23H0919
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Water	Analysis:	SW-846 8260D
Batch:	B348515	Preparation:	SW-846 5030B
% Solids:		Laboratory ID:	B348515-MSD2
Initial/Final:	5 mL / 5 mL	Sample Lab ID:	23H0919-03
Column:			

ANALYTE	SPIKE ADDED (µg/L)	MSD CONCENTRATION (µg/L)	MSD % REC. #		% RPD	QC LIMITS RPD	QC LIMITS REC.
Acetone	100	95.2	95.2		3.57	30	70 - 130
Benzene	10.0	10.7	107		5.36	30	70 - 130
Bromochloromethane	10.0	11.4	114		0.885	30	70 - 130
Bromodichloromethane	10.0	9.26	92.6		1.50	30	70 - 130
Bromoform	10.0	6.58	65.8	*	1.96	30	70 - 130
Bromomethane	10.0	12.4	124		5.46	30	70 - 130
2-Butanone (MEK)	100	104	104		3.24	30	70 - 130
Carbon Disulfide	100	100	100		4.41	30	70 - 130
Carbon Tetrachloride	10.0	8.77	87.7		3.72	30	70 - 130
Chlorobenzene	10.0	8.92	89.2		0.112	30	70 - 130
Chlorodibromomethane	10.0	8.25	82.5		0.364	30	70 - 130
Chloroethane	10.0	9.23	92.3		3.98	30	70 - 130
Chloroform	10.0	10.2	102		1.58	30	70 - 130
Chloromethane	10.0	10.6	106		3.07	30	70 - 130
Cyclohexane	10.0	10.0	100		3.91	30	70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	10.0	8.06	80.6		8.13	30	70 - 130
1,2-Dibromoethane (EDB)	10.0	9.18	91.8		1.10	30	70 - 130
1,2-Dichlorobenzene	10.0	9.02	90.2		1.34	30	70 - 130
1,3-Dichlorobenzene	10.0	9.23	92.3		0.871	30	70 - 130
1,4-Dichlorobenzene	10.0	9.25	92.5		5.56	30	70 - 130
Dichlorodifluoromethane (Freon 12)	10.0	9.55	95.5		4.06	30	70 - 130
1,1-Dichloroethane	10.0	10.5	105		3.40	30	70 - 130
1,2-Dichloroethane	10.0	8.97	89.7		2.42	30	70 - 130
1,1-Dichloroethylene	10.0	10.2	102		7.13	30	70 - 130
cis-1,2-Dichloroethylene	10.0	9.63	96.3		6.54	30	70 - 130
trans-1,2-Dichloroethylene	10.0	9.64	96.4		3.27	30	70 - 130
1,2-Dichloropropane	10.0	10.1	101		5.16	30	70 - 130
cis-1,3-Dichloropropene	10.0	8.26	82.6		1.22	30	70 - 130
trans-1,3-Dichloropropene	10.0	8.20	82.0		0.244	30	70 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

250WATERST-MW3-WG

Laboratory:	Pace New England	Work Order:	23H0919
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Water	Analysis:	SW-846 8260D
Batch:	B348515	Preparation:	SW-846 5030B
% Solids:		Laboratory ID:	B348515-MSD2
Initial/Final:	5 mL / 5 mL	Sample Lab ID:	23H0919-03
Column:			

ANALYTE	SPIKE ADDED (µg/L)	MSD CONCENTRATION (µg/L)	MSD % REC. #		% RPD	QC LIMITS RPD	QC LIMITS REC.
1,4-Dioxane	100	68.4	68.4	*	9.08	30	70 - 130
Ethylbenzene	10.0	8.55	85.5		1.85	30	70 - 130
2-Hexanone (MBK)	100	85.2	85.2		2.61	30	70 - 130
Isopropylbenzene (Cumene)	10.0	7.90	79.0		2.18	30	70 - 130
Methyl Acetate	10.0	6.00	60.0	*	5.04	30	70 - 130
Methyl tert-Butyl Ether (MTBE)	10.0	8.93	89.3		6.12	30	70 - 130
Methyl Cyclohexane	10.0	9.11	91.1		1.31	30	70 - 130
Methylene Chloride	10.0	10.1	101		1.60	30	70 - 130
4-Methyl-2-pentanone (MIBK)	100	86.7	86.7		0.139	30	70 - 130
Styrene	10.0	7.60	76.0		1.46	30	70 - 130
1,1,2,2-Tetrachloroethane	10.0	8.51	85.1		1.42	30	70 - 130
Tetrachloroethylene	10.0	9.05	90.5		6.52	30	70 - 130
Toluene	10.0	9.52	95.2		1.06	30	70 - 130
1,2,3-Trichlorobenzene	10.0	6.61	66.1	*	2.30	30	70 - 130
1,2,4-Trichlorobenzene	10.0	6.25	62.5	*	5.59	30	70 - 130
1,1,1-Trichloroethane	10.0	9.99	99.9		0.100	30	70 - 130
1,1,2-Trichloroethane	10.0	9.08	90.8		2.82	30	70 - 130
Trichloroethylene	10.0	9.19	91.9		0.109	30	70 - 130
Trichlorofluoromethane (Freon 11)	10.0	9.83	98.3		7.82	30	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	9.29	92.9		2.55	30	70 - 130
Vinyl Chloride	10.0	10.9	109		5.55	30	70 - 130
Xylenes (total)	30.0	24.2	80.7		0.577	200	0 - 200

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23H0919
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B348515	Laboratory ID:	B348515-BS1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.		QC LIMITS REC.
Acetone	100	93.6	93.6		70 - 160
Benzene	10.0	10.4	104		70 - 130
Bromochloromethane	10.0	11.5	115		70 - 130
Bromodichloromethane	10.0	9.27	92.7		70 - 130
Bromoform	10.0	6.73	67.3	*	70 - 130
Bromomethane	10.0	13.1	131		40 - 160
2-Butanone (MEK)	100	105	105		40 - 160
Carbon Disulfide	100	98.3	98.3		70 - 130
Carbon Tetrachloride	10.0	8.27	82.7		70 - 130
Chlorobenzene	10.0	9.08	90.8		70 - 130
Chlorodibromomethane	10.0	8.19	81.9		70 - 130
Chloroethane	10.0	9.41	94.1		70 - 130
Chloroform	10.0	9.70	97.0		70 - 130
Chloromethane	10.0	9.78	97.8		40 - 160
Cyclohexane	10.0	9.94	99.4		70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	10.0	7.99	79.9		70 - 130
1,2-Dibromoethane (EDB)	10.0	9.17	91.7		70 - 130
1,2-Dichlorobenzene	10.0	9.13	91.3		70 - 130
1,3-Dichlorobenzene	10.0	8.84	88.4		70 - 130
1,4-Dichlorobenzene	10.0	9.49	94.9		70 - 130
Dichlorodifluoromethane (Freon 12)	10.0	9.57	95.7		40 - 160
1,1-Dichloroethane	10.0	10.3	103		70 - 130
1,2-Dichloroethane	10.0	8.90	89.0		70 - 130
1,1-Dichloroethylene	10.0	9.78	97.8		70 - 130
cis-1,2-Dichloroethylene	10.0	9.64	96.4		70 - 130
trans-1,2-Dichloroethylene	10.0	9.67	96.7		70 - 130
1,2-Dichloropropane	10.0	9.97	99.7		70 - 130
cis-1,3-Dichloropropene	10.0	8.66	86.6		70 - 130
trans-1,3-Dichloropropene	10.0	8.46	84.6		70 - 130
1,4-Dioxane	100	76.5	76.5		40 - 130
Ethylbenzene	10.0	8.70	87.0		70 - 130
2-Hexanone (MBK)	100	83.9	83.9		70 - 160
Isopropylbenzene (Cumene)	10.0	7.94	79.4		70 - 130
Methyl Acetate	10.0	10.2	102		70 - 130
Methyl tert-Butyl Ether (MTBE)	10.0	9.05	90.5		70 - 130
Methyl Cyclohexane	10.0	9.14	91.4		70 - 130
Methylene Chloride	10.0	9.74	97.4		70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23H0919
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B348515	Laboratory ID:	B348515-BS1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.		QC LIMITS REC.
4-Methyl-2-pentanone (MIBK)	100	86.5	86.5		70 - 160
Styrene	10.0	7.71	77.1		70 - 130
1,1,2,2-Tetrachloroethane	10.0	8.16	81.6		70 - 130
Tetrachloroethylene	10.0	9.02	90.2		70 - 130
Toluene	10.0	9.33	93.3		70 - 130
1,2,3-Trichlorobenzene	10.0	6.85	68.5	*	70 - 130
1,2,4-Trichlorobenzene	10.0	6.48	64.8	*	70 - 130
1,1,1-Trichloroethane	10.0	10.2	102		70 - 130
1,1,2-Trichloroethane	10.0	9.42	94.2		70 - 130
Trichloroethylene	10.0	9.47	94.7		70 - 130
Trichlorofluoromethane (Freon 11)	10.0	9.46	94.6		70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	9.86	98.6		70 - 130
Vinyl Chloride	10.0	10.9	109		40 - 160
m+p Xylene	20.0	16.8	84.0		70 - 130
o-Xylene	10.0	7.97	79.7		70 - 130
Xylenes (total)	30.0	24.8	82.6		0 - 200

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	100	99.4	99.4		5.99	25	70 - 160
Benzene	10.0	10.3	103		1.36	25	70 - 130
Bromochloromethane	10.0	11.3	113		2.10	25	70 - 130
Bromodichloromethane	10.0	9.30	93.0		0.323	25	70 - 130
Bromoform	10.0	6.76	67.6	*	0.445	25	70 - 130
Bromomethane	10.0	12.5	125		4.69	25	40 - 160
2-Butanone (MEK)	100	108	108		2.64	25	40 - 160
Carbon Disulfide	100	94.0	94.0		4.43	25	70 - 130
Carbon Tetrachloride	10.0	7.98	79.8		3.57	25	70 - 130
Chlorobenzene	10.0	8.88	88.8		2.23	25	70 - 130
Chlorodibromomethane	10.0	8.37	83.7		2.17	25	70 - 130
Chloroethane	10.0	9.12	91.2		3.13	25	70 - 130
Chloroform	10.0	9.82	98.2		1.23	25	70 - 130
Chloromethane	10.0	9.76	97.6		0.205	25	40 - 160
Cyclohexane	10.0	9.64	96.4		3.06	25	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23H0919
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B348515	Laboratory ID:	B348515-BSD1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,2-Dibromo-3-chloropropane (DBCP)	10.0	7.46	74.6		6.86	25	70 - 130
1,2-Dibromoethane (EDB)	10.0	9.19	91.9		0.218	25	70 - 130
1,2-Dichlorobenzene	10.0	8.92	89.2		2.33	25	70 - 130
1,3-Dichlorobenzene	10.0	9.03	90.3		2.13	25	70 - 130
1,4-Dichlorobenzene	10.0	8.97	89.7		5.63	25	70 - 130
Dichlorodifluoromethane (Freon 12)	10.0	9.34	93.4		2.43	25	40 - 160
1,1-Dichloroethane	10.0	9.93	99.3		3.75	25	70 - 130
1,2-Dichloroethane	10.0	9.07	90.7		1.89	25	70 - 130
1,1-Dichloroethylene	10.0	9.43	94.3		3.64	25	70 - 130
cis-1,2-Dichloroethylene	10.0	9.45	94.5		1.99	25	70 - 130
trans-1,2-Dichloroethylene	10.0	9.29	92.9		4.01	25	70 - 130
1,2-Dichloropropane	10.0	10.1	101		1.59	25	70 - 130
cis-1,3-Dichloropropene	10.0	8.70	87.0		0.461	25	70 - 130
trans-1,3-Dichloropropene	10.0	8.58	85.8		1.41	25	70 - 130
1,4-Dioxane	100	68.5	68.5		11.0	50	40 - 130
Ethylbenzene	10.0	8.27	82.7		5.07	25	70 - 130
2-Hexanone (MBK)	100	87.8	87.8		4.53	25	70 - 160
Isopropylbenzene (Cumene)	10.0	7.61	76.1		4.24	25	70 - 130
Methyl Acetate	10.0	10.3	103		0.587	25	70 - 130
Methyl tert-Butyl Ether (MTBE)	10.0	8.82	88.2		2.57	25	70 - 130
Methyl Cyclohexane	10.0	9.26	92.6		1.30	25	70 - 130
Methylene Chloride	10.0	9.99	99.9		2.53	25	70 - 130
4-Methyl-2-pentanone (MIBK)	100	89.9	89.9		3.92	25	70 - 160
Styrene	10.0	7.74	77.4		0.388	25	70 - 130
1,1,2,2-Tetrachloroethane	10.0	7.99	79.9		2.11	25	70 - 130
Tetrachloroethylene	10.0	9.30	93.0		3.06	25	70 - 130
Toluene	10.0	9.56	95.6		2.44	25	70 - 130
1,2,3-Trichlorobenzene	10.0	6.90	69.0	*	0.727	25	70 - 130
1,2,4-Trichlorobenzene	10.0	6.22	62.2	*	4.09	25	70 - 130
1,1,1-Trichloroethane	10.0	9.58	95.8		6.07	25	70 - 130
1,1,2-Trichloroethane	10.0	9.61	96.1		2.00	25	70 - 130
Trichloroethylene	10.0	9.47	94.7		0.00	25	70 - 130
Trichlorofluoromethane (Freon 11)	10.0	9.30	93.0		1.71	25	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	9.48	94.8		3.93	25	70 - 130

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23H0919
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Calibration:	2200537	Instrument:	GCMSVOA3
		Calibration Date:	8/8/2022 10:18:58AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
1,3-Dichlorobenzene	1.193097	12.1			20	
1,4-Dichlorobenzene	1.270795	8.8			20	
trans-1,4-Dichloro-2-butene	0.239735	14.1			20	
Dichlorodifluoromethane (Freon 12)	0.4341094	10.1			20	
1,1-Dichloroethane	0.787926	6.1			20	
1,2-Dichloroethane	0.4276246	10.4			20	
1,1-Dichloroethylene	0.6503172	6.4			20	
cis-1,2-Dichloroethylene	0.6864345	9.7			20	
trans-1,2-Dichloroethylene	0.6178868	7.3			20	
Dichlorofluoromethane (Freon 21)	0.8403159	5.9			20	
1,2-Dichloropropane	0.306328	10.1			20	
1,3-Dichloropropane	0.4974963	14.4			20	
2,2-Dichloropropane	0.6088295	8.7			20	
1,1-Dichloropropene	0.5473735	11.5			20	
cis-1,3-Dichloropropene	0.4734604	12.7			20	
trans-1,3-Dichloropropene	0.4080538	16.5			20	
Diethyl Ether	0.3713617	11.2			20	
Difluorochloromethane (Freon 22)	0.5720824	6.4			20	
Diisopropyl Ether (DIPE)	1.558552	9.0			20	
1,4-Dioxane	4.731593E-03	10.9			20	
Ethanol	1.036708E-02	17.7			20	
Ethyl Acetate	0.6506099	5.8			20	
Ethylbenzene	2.549064	12.6			20	
Hexachlorobutadiene	0.2852952	17.9			20	
2-Hexanone (MBK)	0.2843475	16.4			20	
Iodomethane	0.5420061	18.8			20	
Isopropylbenzene (Cumene)	2.395221	12.5			20	
p-Isopropyltoluene (p-Cymene)	1.842122	9.9			20	
Methyl Acetate	0.7088624	9.4			20	
Methyl tert-Butyl Ether (MTBE)	1.412808	8.2			20	
Methyl Cyclohexane	0.3308172	13.9			20	

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23H0919
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	GCMSVOA3	Calibration:	2200537
Lab File ID:	C22V21926.D	Calibration Date:	08/08/22 10:18
Sequence:	S075427	Injection Date:	08/08/22
Lab Sample ID:	S075427-ICV1	Injection Time:	17:12

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
1,2-Dichlorobenzene	A	10.0	11.2	1.213634	1.365738		12.5	30
1,3-Dichlorobenzene	A	10.0	11.5	1.193097	1.375471		15.3	30
1,4-Dichlorobenzene	A	10.0	10.8	1.270795	1.375361		8.2	30
trans-1,4-Dichloro-2-butene	A	10.0	8.71	0.239735	0.2087198		-12.9	30
Dichlorodifluoromethane (Freon 12)	A	10.0	8.90	0.4341094	0.3863701		-11.0	30
1,1-Dichloroethane	A	10.0	10.9	0.787926	0.8592115		9.0	30
1,2-Dichloroethane	A	10.0	10.9	0.4276246	0.4643172		8.6	30
1,1-Dichloroethylene	A	10.0	10.1	0.6503172	0.657403		1.1	30
cis-1,2-Dichloroethylene	A	10.0	10.9	0.6864345	0.7488539		9.1	30
trans-1,2-Dichloroethylene	A	10.0	10.6	0.6178868	0.6520598		5.5	30
Dichlorofluoromethane (Freon 21)	A	10.0	10.6	0.8403159	0.8890417		5.8	30
1,2-Dichloropropane	A	10.0	11.2	0.306328	0.3432776		12.1	30
1,3-Dichloropropane	A	10.0	11.0	0.4974963	0.5494466		10.4	30
2,2-Dichloropropane	A	10.0	10.4	0.6088295	0.6327737		3.9	30
1,1-Dichloropropene	A	10.0	10.7	0.5473735	0.5846217		6.8	30
cis-1,3-Dichloropropene	A	10.0	11.1	0.4734604	0.5268136		11.3	30
trans-1,3-Dichloropropene	A	10.0	11.9	0.4080538	0.4873977		19.4	30
Diethyl Ether	A	10.0	12.0	0.3713617	0.4453508		19.9	30
Difluorochloromethane (Freon 22)	A	10.0	8.17	0.5720824	0.4675772		-18.3	30
Diisopropyl Ether (DIPE)	A	10.0	11.5	1.558552	1.793038		15.0	30
1,4-Dioxane	A	100	90.1	4.731593E-03	4.264464E-03		-9.9	30
Ethanol	A	100	95.5	1.036708E-02	9.902305E-03		-4.5	30
Ethyl Acetate	A	10.0	9.05	0.6506099	0.5887477		-9.5	30
Ethylbenzene	A	10.0	11.7	2.549064	2.984133		17.1	30
Hexachlorobutadiene	A	10.0	11.4	0.2852952	0.3250553		13.9	30
2-Hexanone (MBK)	A	100	104	0.2843475	0.2957494		4.0	30
Iodomethane	A	10.0	9.09	0.5420061	0.4925385		-9.1	30
Isopropylbenzene (Cumene)	A	10.0	11.3	2.395221	2.706585		13.0	30

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23H0919
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	GCMSVOA3	Calibration:	2200537
Lab File ID:	C22V22131.D	Calibration Date:	08/08/22 10:18
Sequence:	S091762	Injection Date:	08/10/23
Lab Sample ID:	S091762-CCV1	Injection Time:	01:39

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetone	A	100	107	0.1820924	0.1950826		7.1	20	
Benzene	A	10.0	11.9	1.667645	1.983366		18.9	20	
Bromochloromethane	A	10.0	13.2	0.3793018	0.4993273		31.6	20	*
Bromodichloromethane	A	10.0	10.7	0.3940258	0.4231835		7.4	20	
Bromoform	A	10.0	8.09	0.5234936	0.4237661		-19.1	20	
Bromomethane	A	10.0	14.4	0.3079598	0.4438312		44.1	20	*
2-Butanone (MEK)	A	100	118	0.2634095	0.3111726		18.1	20	
Carbon Disulfide	A	100	112	1.250483	1.4062		12.5	20	
Carbon Tetrachloride	A	10.0	9.35	0.528229	0.4937089		-6.5	20	
Chlorobenzene	A	10.0	10.5	1.57638	1.654652		5.0	20	
Chlorodibromomethane	A	10.0	9.70	0.3363907	0.3263561		-3.0	20	
Chloroethane	A	10.0	10.7	0.3601205	0.3842761		6.7	20	
Chloroform	A	10.0	11.6	0.7591359	0.8811267		16.1	20	
Chloromethane	A	10.0	11.4	0.7095398	0.8121235		14.5	20	
Cyclohexane	A	10.0	11.0	0.7080121	0.7774729		9.8	20	
1,2-Dibromo-3-chloropropane (DBCP)	A	10.0	8.78	0.1649304	0.1448359		-12.2	20	
1,2-Dibromoethane (EDB)	A	10.0	10.7	0.299296	0.3189597		6.6	20	
1,2-Dichlorobenzene	A	10.0	10.2	1.213634	1.242015		2.3	20	
1,3-Dichlorobenzene	A	10.0	10.3	1.193097	1.228037		2.9	20	
1,4-Dichlorobenzene	A	10.0	10.5	1.270795	1.339827		5.4	20	
Dichlorodifluoromethane (Freon 12)	A	10.0	11.1	0.4341094	0.4807292		10.7	20	
1,1-Dichloroethane	A	10.0	11.7	0.787926	0.9185981		16.6	20	
1,2-Dichloroethane	A	10.0	10.5	0.4276246	0.4472892		4.6	20	
1,1-Dichloroethylene	A	10.0	11.1	0.6503172	0.7191332		10.6	20	
cis-1,2-Dichloroethylene	A	10.0	10.8	0.6864345	0.7438771		8.4	20	
trans-1,2-Dichloroethylene	A	10.0	10.7	0.6178868	0.659257		6.7	20	
1,2-Dichloropropane	A	10.0	11.6	0.306328	0.3540403		15.6	20	
cis-1,3-Dichloropropene	A	10.0	10.4	0.4734604	0.4920421		3.9	20	
trans-1,3-Dichloropropene	A	10.0	9.95	0.4080538	0.4062046		-0.5	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23H0919
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	GCMSVOA3	Calibration:	2200537
Lab File ID:	C22V22131.D	Calibration Date:	08/08/22 10:18
Sequence:	S091762	Injection Date:	08/10/23
Lab Sample ID:	S091762-CCV1	Injection Time:	01:39

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,4-Dioxane	A	100	81.1	4.731593E-03	3.835961E-03		-18.9	20	
Ethylbenzene	A	10.0	9.95	2.549064	2.535224		-0.5	20	
2-Hexanone (MBK)	A	100	90.5	0.2843475	0.2573867		-9.5	20	
Isopropylbenzene (Cumene)	A	10.0	9.22	2.395221	2.208431		-7.8	20	
Methyl Acetate	A	10.0	11.1	0.7088624	0.7877465		11.1	20	
Methyl tert-Butyl Ether (MTBE)	A	10.0	10.1	1.412808	1.42969		1.2	20	
Methyl Cyclohexane	A	10.0	10.6	0.3308172	0.3506416		6.0	20	
Methylene Chloride	A	10.0	11.2	0.6427786	0.7224583		12.4	20	
4-Methyl-2-pentanone (MIBK)	A	100	101	0.4112112	0.4154157		1.0	20	
Styrene	A	10.0	9.25	1.683114	1.556276		-7.5	20	
1,1,2,2-Tetrachloroethane	A	10.0	9.08	0.9177436	0.8328773		-9.2	20	
Tetrachloroethylene	A	10.0	10.8	0.2808079	0.3040171		8.3	20	
Toluene	A	10.0	10.8	1.195157	1.289584		7.9	20	
1,2,3-Trichlorobenzene	A	10.0	7.72	0.6638408	0.5128075		-22.8	20	*
1,2,4-Trichlorobenzene	A	10.0	7.36	0.6791191	0.4996205		-26.4	20	*
1,1,1-Trichloroethane	A	10.0	11.0	0.6322124	0.6975768		10.3	20	
1,1,2-Trichloroethane	A	10.0	10.8	0.2797054	0.3014568		7.8	20	
Trichloroethylene	A	10.0	11.2	0.2768359	0.309527		11.8	20	
Trichlorofluoromethane (Freon 11)	A	10.0	10.8	0.6391431	0.6891148		7.8	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	10.0	11.0	0.377547	0.416152		10.2	20	
Vinyl Chloride	A	10.0	12.0	0.5221577	0.6292845		20.5	20	*
m+p Xylene	A	20.0	19.6	1.99021	1.948748		-2.1	20	
o-Xylene	A	10.0	9.39	2.094658	1.967119		-6.1	20	
1,2-Dichloroethane-d4	A	25.0	28.1	0.5629535	0.6320501		12.3		
Toluene-d8	A	25.0	26.1	1.188132	1.241426		4.5		
4-Bromofluorobenzene	A	25.0	22.9	0.8894447	0.814044		-8.5		

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

2 - FORM II

SYSTEM MONITORING COMPOUND SUMMARY

SW-846 8270E

Laboratory:	Pace New England	SDG:	23H0919
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Water	Instrument:	GCMSSV9

	2,4,6-TBP (15% - 110%)	2-FlBiphenyl (30% - 130%)	2-Fiphenol (15% - 110%)	Nitrobenz-d5 (30% - 130%)	Phenol-d6 (15% - 110%)	Terphnyl-d14 (30% - 130%)
23H0919-01	88.8	82.4	52.9	78.0	36.0	95.1
23H0919-02	45.8	80.3	32.9	71.1	32.4	95.5
23H0919-03	12.8*	78.8	11.6*	74.4	24.7	103
23H0919-04	4.39*	82.4	5.36*	74.1	14.2*	104
23H0919-05	3.01*	81.4	4.62*	73.3	11.5*	98.5
23H0919-06	81.2	75.1	50.8	69.0	35.4	98.1
B348279-BLK1	97.8	87.2	58.6	84.1	42.1	104
B348279-BS1	21.1	101	14.8*	98.0	34.7	108
B348279-BSD1	89.1	86.3	59.4	83.6	42.9	94.8
B348279-MS1	38.2	84.6	32.0	81.9	37.8	87.5
B348279-MSD1	26.9	89.7	18.6	82.5	34.5	95.3

2 - FORM II

SYSTEM MONITORING COMPOUND SUMMARY

SW-846 8270E

Laboratory:	Pace New England	SDG:	23H0919
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Water	Instrument:	GCMSSV9

	2,4,6-TBP (15% - 110%)	2-FlBiphenyl (30% - 130%)	2-Fiphenol (15% - 110%)	Nitrobenz-d5 (30% - 130%)	Phenol-d6 (15% - 110%)	Terphnyl-d14 (30% - 130%)
23H0919-01RE1	73.7	66.2	49.3	65.3	33.5	82.1
23H0919-02RE1	18.3	68.7	16.8	70.1	28.8	91.6
23H0919-03RE1	41.4	53.8	32.2	52.3	26.2	72.2
23H0919-04RE1	8.84*	55.3	8.30*	54.9	16.8	75.6
23H0919-05RE1	8.06*	64.2	11.4*	64.4	20.6	83.6
23H0919-06RE1	73.2	60.0	47.9	63.0	31.8	79.4
B348928-BLK1	80.4	65.1	56.5	70.6	37.0	85.0
B348928-BS1	104	85.6	68.0	86.0	47.9	104
B348928-BSD1	87.9	73.5	59.7	73.7	41.8	91.7
B348928-MS1	2.17*	50.4	6.15*	49.0	11.6*	63.9
B348928-MSD1	2.01*	48.1	5.88*	47.8	11.0*	61.1

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

250WATERST-MW3-WG

Laboratory:	Pace New England	Work Order:	23H0919
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Water	Analysis:	SW-846 8270E
Batch:	B348279	Preparation:	SW-846 3510C
% Solids:		Laboratory ID:	B348279-MS1
Initial/Final:	103 mL / 1 mL	Sample Lab ID:	23H0919-03
Column:			

ANALYTE	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	MS CONCENTRATION (µg/L)	MS % REC.		QC LIMITS REC.
Atrazine	97.1	ND	91.5	94.2		40 - 140
Benzaldehyde	97.1	ND	60.3	62.1		40 - 140
Biphenyl	97.1	ND	80.7	83.1		40 - 140
Caprolactam	97.1	ND	38.7	39.8	*	40 - 140
Acenaphthene	97.1	ND	75.8	78.1		40 - 140
Acenaphthylene	97.1	ND	83.1	85.6		40 - 140
Acetophenone	97.1	ND	83.6	86.1		40 - 140
Anthracene	97.1	ND	80.7	83.2		40 - 140
Benzo(a)anthracene	97.1	ND	82.3	84.8		40 - 140
Benzo(a)pyrene	97.1	ND	87.2	89.8		40 - 140
Benzo(b)fluoranthene	97.1	ND	80.4	82.8		40 - 140
Benzo(g,h,i)perylene	97.1	ND	83.2	85.7		40 - 140
Benzo(k)fluoranthene	97.1	ND	82.3	84.8		40 - 140
Bis(2-chloroethoxy)methane	97.1	ND	77.0	79.4		40 - 140
Bis(2-chloroethyl)ether	97.1	ND	93.0	95.8		40 - 140
Bis(2-chloroisopropyl)ether	97.1	ND	130	134		40 - 140
Bis(2-Ethylhexyl)phthalate	97.1	ND	109	113		40 - 140
4-Bromophenylphenylether	97.1	ND	75.9	78.1		40 - 140
Butylbenzylphthalate	97.1	ND	115	118		40 - 140
Carbazole	97.1	ND	81.8	84.2		40 - 140
4-Chloroaniline	97.1	ND	57.7	59.4		40 - 140
4-Chloro-3-methylphenol	97.1	ND	75.6	77.8		30 - 130
2-Chloronaphthalene	97.1	ND	64.9	66.8		40 - 140
2-Chlorophenol	97.1	ND	57.6	59.4		30 - 130
4-Chlorophenylphenylether	97.1	ND	68.5	70.6		40 - 140
Chrysene	97.1	ND	74.1	76.3		40 - 140
Dibenz(a,h)anthracene	97.1	ND	87.1	89.7		40 - 140
Dibenzofuran	97.1	ND	75.6	77.9		40 - 140
Di-n-butylphthalate	97.1	ND	131	135		40 - 140
3,3-Dichlorobenzidine	97.1	ND	86.9	89.5		40 - 140

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

250WATERST-MW3-WG

Laboratory:	Pace New England	Work Order:	23H0919
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Water	Analysis:	SW-846 8270E
Batch:	B348279	Preparation:	SW-846 3510C
% Solids:		Laboratory ID:	B348279-MS1
Initial/Final:	103 mL / 1 mL	Sample Lab ID:	23H0919-03
Column:			

ANALYTE	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	MS CONCENTRATION (µg/L)	MS % REC.		QC LIMITS REC.
2,4-Dichlorophenol	97.1	ND	58.6	60.3		30 - 130
Diethylphthalate	97.1	ND	75.1	77.3		40 - 140
2,4-Dimethylphenol	97.1	ND	68.5	70.5		30 - 130
Dimethylphthalate	97.1	ND	78.9	81.3		40 - 140
4,6-Dinitro-2-methylphenol	97.1	ND	9.18	9.46	*	30 - 130
2,4-Dinitrophenol	97.1	ND	4.85	5.00	*	30 - 130
2,4-Dinitrotoluene	97.1	ND	78.3	80.6		40 - 140
2,6-Dinitrotoluene	97.1	ND	88.5	91.2		40 - 140
Di-n-octylphthalate	97.1	ND	132	136		40 - 140
Fluoranthene	97.1	ND	76.2	78.5		40 - 140
Fluorene	97.1	ND	74.0	76.2		40 - 140
Hexachlorobenzene	97.1	ND	75.2	77.5		40 - 140
Hexachlorobutadiene	97.1	ND	46.3	47.7		40 - 140
Hexachlorocyclopentadiene	97.1	ND	55.0	56.6		30 - 130
Hexachloroethane	97.1	ND	37.0	38.1	*	40 - 140
Indeno(1,2,3-cd)pyrene	97.1	ND	91.9	94.7		40 - 140
Isophorone	97.1	ND	82.5	85.0		40 - 140
2-Methylnaphthalene	97.1	ND	69.9	72.0		40 - 140
2-Methylphenol	97.1	ND	67.8	69.8		30 - 130
3/4-Methylphenol	97.1	ND	62.8	64.6		30 - 130
Naphthalene	97.1	ND	64.0	65.9		40 - 140
2-Nitroaniline	97.1	ND	82.8	85.3		40 - 140
3-Nitroaniline	97.1	ND	77.4	79.7		40 - 140
4-Nitroaniline	97.1	ND	72.5	74.6		40 - 140
Nitrobenzene	97.1	ND	75.8	78.1		40 - 140
2-Nitrophenol	97.1	ND	55.6	57.2		30 - 130
4-Nitrophenol	97.1	ND	14.3	14.8	*	30 - 130
N-Nitrosodiphenylamine/Diphenylamine	97.1	ND	84.2	86.7		40 - 140
N-Nitrosodi-n-propylamine	97.1	ND	77.7	80.0		40 - 140
Pentachlorophenol	97.1	ND	13.0	13.4	*	30 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

250WATERST-MW3-WG

Laboratory:	Pace New England	Work Order:	23H0919
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Water	Analysis:	SW-846 8270E
Batch:	B348279	Preparation:	SW-846 3510C
% Solids:		Laboratory ID:	B348279-MS1
Initial/Final:	103 mL / 1 mL	Sample Lab ID:	23H0919-03
Column:			

ANALYTE	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	MS CONCENTRATION (µg/L)	MS % REC.		QC LIMITS REC.
Phenanthrene	97.1	ND	76.0	78.3		40 - 140
Phenol	97.1	ND	40.8	42.0		30 - 130
Pyrene	97.1	ND	80.0	82.3		40 - 140
1,2,4,5-Tetrachlorobenzene	97.1	ND	78.4	80.8		40 - 140
2,4,5-Trichlorophenol	97.1	ND	44.2	45.5		30 - 130
2,4,6-Trichlorophenol	97.1	ND	25.6	26.3	*	30 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

250WATERST-MW3-WG

Laboratory:	Pace New England	Work Order:	23H0919
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Water	Analysis:	SW-846 8270E
Batch:	B348279	Preparation:	SW-846 3510C
% Solids:		Laboratory ID:	B348279-MSD1
Initial/Final:	103 mL / 1 mL	Sample Lab ID:	23H0919-03
Column:			

ANALYTE	SPIKE ADDED (µg/L)	MSD CONCENTRATION (µg/L)	MSD % REC. #		% RPD	QC LIMITS RPD	QC LIMITS REC.
Atrazine	97.1	102	106		11.3	30	40 - 140
Benzaldehyde	97.1	59.5	61.3		1.25	30	40 - 140
Biphenyl	97.1	84.9	87.5		5.08	30	40 - 140
Caprolactam	97.1	32.5	33.5	*	17.3	30	40 - 140
Acenaphthene	97.1	80.7	83.1		6.22	30	40 - 140
Acenaphthylene	97.1	88.0	90.7		5.72	30	40 - 140
Acetophenone	97.1	86.0	88.5		2.81	30	40 - 140
Anthracene	97.1	86.2	88.8		6.53	30	40 - 140
Benzo(a)anthracene	97.1	89.1	91.8		7.89	30	40 - 140
Benzo(a)pyrene	97.1	91.0	93.7		4.23	30	40 - 140
Benzo(b)fluoranthene	97.1	83.2	85.7		3.42	30	40 - 140
Benzo(g,h,i)perylene	97.1	87.7	90.4		5.34	30	40 - 140
Benzo(k)fluoranthene	97.1	86.6	89.2		5.04	30	40 - 140
Bis(2-chloroethoxy)methane	97.1	81.8	84.3		6.05	30	40 - 140
Bis(2-chloroethyl)ether	97.1	95.7	98.6		2.87	30	40 - 140
Bis(2-chloroisopropyl)ether	97.1	132	136		1.34	30	40 - 140
Bis(2-Ethylhexyl)phthalate	97.1	121	124		9.89	30	40 - 140
4-Bromophenylphenylether	97.1	78.3	80.6		3.15	30	40 - 140
Butylbenzylphthalate	97.1	120	124		4.29	30	40 - 140
Carbazole	97.1	89.0	91.6		8.42	30	40 - 140
4-Chloroaniline	97.1	59.2	61.0		2.64	30	40 - 140
4-Chloro-3-methylphenol	97.1	77.1	79.5		2.05	30	30 - 130
2-Chloronaphthalene	97.1	66.5	68.5		2.41	30	40 - 140
2-Chlorophenol	97.1	44.0	45.4		26.7	30	30 - 130
4-Chlorophenylphenylether	97.1	75.4	77.7		9.58	30	40 - 140
Chrysene	97.1	81.2	83.6		9.14	30	40 - 140
Dibenz(a,h)anthracene	97.1	90.4	93.1		3.75	30	40 - 140
Dibenzofuran	97.1	80.7	83.1		6.52	30	40 - 140
Di-n-butylphthalate	97.1	125	128		5.38	30	40 - 140
3,3-Dichlorobenzidine	97.1	96.3	99.2		10.3	30	40 - 140

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

250WATERST-MW3-WG

Laboratory:	Pace New England	Work Order:	23H0919
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Water	Analysis:	SW-846 8270E
Batch:	B348279	Preparation:	SW-846 3510C
% Solids:		Laboratory ID:	B348279-MSD1
Initial/Final:	103 mL / 1 mL	Sample Lab ID:	23H0919-03
Column:			

ANALYTE	SPIKE ADDED (µg/L)	MSD CONCENTRATION (µg/L)	MSD % REC. #		% RPD		QC LIMITS RPD	QC LIMITS REC.
2,4-Dichlorophenol	97.1	45.8	47.2		24.4		30	30 - 130
Diethylphthalate	97.1	79.9	82.3		6.23		30	40 - 140
2,4-Dimethylphenol	97.1	68.0	70.0		0.740		30	30 - 130
Dimethylphthalate	97.1	81.4	83.8		3.06		30	40 - 140
4,6-Dinitro-2-methylphenol	97.1	3.68	3.79	*	85.6	*	30	30 - 130
2,4-Dinitrophenol	97.1	1.43	1.47	*	109	*	30	30 - 130
2,4-Dinitrotoluene	97.1	80.6	83.0		2.93		30	40 - 140
2,6-Dinitrotoluene	97.1	91.8	94.6		3.66		30	40 - 140
Di-n-octylphthalate	97.1	133	137		1.08		30	40 - 140
Fluoranthene	97.1	84.1	86.6		9.80		30	40 - 140
Fluorene	97.1	81.4	83.8		9.55		30	40 - 140
Hexachlorobenzene	97.1	78.8	81.2		4.68		30	40 - 140
Hexachlorobutadiene	97.1	43.0	44.3		7.48		30	40 - 140
Hexachlorocyclopentadiene	97.1	54.5	56.2		0.833		30	30 - 130
Hexachloroethane	97.1	34.8	35.9	*	5.95		30	40 - 140
Indeno(1,2,3-cd)pyrene	97.1	95.3	98.2		3.60		30	40 - 140
Isophorone	97.1	85.6	88.2		3.69		30	40 - 140
2-Methylnaphthalene	97.1	72.0	74.2		3.04		30	40 - 140
2-Methylphenol	97.1	68.6	70.7		1.20		30	30 - 130
3/4-Methylphenol	97.1	64.4	66.3		2.52		30	30 - 130
Naphthalene	97.1	62.9	64.8		1.79		30	40 - 140
2-Nitroaniline	97.1	84.1	86.6		1.54		30	40 - 140
3-Nitroaniline	97.1	81.9	84.4		5.63		30	40 - 140
4-Nitroaniline	97.1	78.6	81.0		8.12		30	40 - 140
Nitrobenzene	97.1	75.9	78.2		0.141		30	40 - 140
2-Nitrophenol	97.1	38.1	39.3		37.2	*	30	30 - 130
4-Nitrophenol	97.1	9.28	9.56	*	42.8	*	30	30 - 130
N-Nitrosodiphenylamine/Diphenylamine	97.1	87.1	89.8		3.42		30	40 - 140
N-Nitrosodi-n-propylamine	97.1	79.6	82.0		2.46		30	40 - 140
Pentachlorophenol	97.1	11.0	11.3	*	17.0		30	30 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

250WATERST-MW3-WG

Laboratory:	Pace New England	Work Order:	23H0919
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Water	Analysis:	SW-846 8270E
Batch:	B348279	Preparation:	SW-846 3510C
% Solids:		Laboratory ID:	B348279-MSD1
Initial/Final:	103 mL / 1 mL	Sample Lab ID:	23H0919-03
Column:			

ANALYTE	SPIKE ADDED (µg/L)	MSD CONCENTRATION (µg/L)	MSD % REC. #		% RPD		QC LIMITS RPD	QC LIMITS REC.
Phenanthrene	97.1	81.8	84.3		7.41		30	40 - 140
Phenol	97.1	35.2	36.3		14.7		30	30 - 130
Pyrene	97.1	86.1	88.7		7.46		30	40 - 140
1,2,4,5-Tetrachlorobenzene	97.1	80.9	83.4		3.16		30	40 - 140
2,4,5-Trichlorophenol	97.1	30.7	31.6		36.0	*	30	30 - 130
2,4,6-Trichlorophenol	97.1	13.7	14.2	*	60.2	*	30	30 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

250WATERST-MW3-WG

Laboratory:	Pace New England	Work Order:	23H0919
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Water	Analysis:	SW-846 8270E
Batch:	B348928	Preparation:	SW-846 3510C
% Solids:		Laboratory ID:	B348928-MS1
Initial/Final:	106 mL / 1 mL	Sample Lab ID:	23H0919-03RE1
Column:			

ANALYTE	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	MS CONCENTRATION (µg/L)	MS % REC.		QC LIMITS REC.
Atrazine	94.3	ND	127	134		40 - 140
Benzaldehyde	94.3	ND	61.7	65.4		40 - 140
Biphenyl	94.3	ND	75.8	80.3		40 - 140
Caprolactam	94.3	10.0	38.1	29.8	*	40 - 140
Acenaphthene	94.3	ND	85.3	90.5		40 - 140
Acenaphthylene	94.3	ND	89.6	95.0		40 - 140
Acetophenone	94.3	ND	99.9	106		40 - 140
Anthracene	94.3	ND	104	110		40 - 140
Benzo(a)anthracene	94.3	ND	110	116		40 - 140
Benzo(a)pyrene	94.3	ND	113	119		40 - 140
Benzo(b)fluoranthene	94.3	ND	112	118		40 - 140
Benzo(g,h,i)perylene	94.3	ND	105	112		40 - 140
Benzo(k)fluoranthene	94.3	ND	118	125		40 - 140
Bis(2-chloroethoxy)methane	94.3	ND	97.7	104		40 - 140
Bis(2-chloroethyl)ether	94.3	ND	108	115		40 - 140
Bis(2-chloroisopropyl)ether	94.3	ND	121	128		40 - 140
Bis(2-Ethylhexyl)phthalate	94.3	ND	126	134		40 - 140
4-Bromophenylphenylether	94.3	ND	96.6	102		40 - 140
Butylbenzylphthalate	94.3	ND	146	154	*	40 - 140
Carbazole	94.3	ND	104	110		40 - 140
4-Chloroaniline	94.3	ND	83.1	88.0		40 - 140
4-Chloro-3-methylphenol	94.3	ND	67.9	72.0		30 - 130
2-Chloronaphthalene	94.3	ND	62.1	65.8		40 - 140
2-Chlorophenol	94.3	ND	22.1	23.4	*	30 - 130
4-Chlorophenylphenylether	94.3	ND	90.2	95.6		40 - 140
Chrysene	94.3	ND	98.9	105		40 - 140
Dibenz(a,h)anthracene	94.3	ND	109	116		40 - 140
Dibenzofuran	94.3	ND	90.1	95.5		40 - 140
Di-n-butylphthalate	94.3	ND	109	116		40 - 140
3,3-Dichlorobenzidine	94.3	ND	121	128		40 - 140

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

250WATERST-MW3-WG

Laboratory:	Pace New England	Work Order:	23H0919
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Water	Analysis:	SW-846 8270E
Batch:	B348928	Preparation:	SW-846 3510C
% Solids:		Laboratory ID:	B348928-MS1
Initial/Final:	106 mL / 1 mL	Sample Lab ID:	23H0919-03RE1
Column:			

ANALYTE	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	MS CONCENTRATION (µg/L)	MS % REC.		QC LIMITS REC.
2,4-Dichlorophenol	94.3	ND	17.4	18.4	*	30 - 130
Diethylphthalate	94.3	ND	98.3	104		40 - 140
2,4-Dimethylphenol	94.3	ND	80.7	85.6		30 - 130
Dimethylphthalate	94.3	ND	102	108		40 - 140
4,6-Dinitro-2-methylphenol	94.3	ND	2.60	2.76	*	30 - 130
2,4-Dinitrophenol	94.3	ND	1.25	1.32	*	30 - 130
2,4-Dinitrotoluene	94.3	ND	107	114		40 - 140
2,6-Dinitrotoluene	94.3	ND	118	125		40 - 140
Di-n-octylphthalate	94.3	ND	141	149	*	40 - 140
Fluoranthene	94.3	ND	101	107		40 - 140
Fluorene	94.3	ND	93.7	99.4		40 - 140
Hexachlorobenzene	94.3	ND	100	106		40 - 140
Hexachlorobutadiene	94.3	ND	40.0	42.4		40 - 140
Hexachlorocyclopentadiene	94.3	ND	37.5	39.7		30 - 130
Hexachloroethane	94.3	ND	38.5	40.8		40 - 140
Indeno(1,2,3-cd)pyrene	94.3	ND	113	120		40 - 140
Isophorone	94.3	ND	99.6	106		40 - 140
2-Methylnaphthalene	94.3	ND	54.2	57.4		40 - 140
2-Methylphenol	94.3	ND	74.0	78.4		30 - 130
3/4-Methylphenol	94.3	ND	61.3	65.0		30 - 130
Naphthalene	94.3	ND	49.6	52.6		40 - 140
2-Nitroaniline	94.3	ND	102	108		40 - 140
3-Nitroaniline	94.3	ND	107	113		40 - 140
4-Nitroaniline	94.3	ND	99.8	106		40 - 140
Nitrobenzene	94.3	ND	81.2	86.1		40 - 140
2-Nitrophenol	94.3	ND	16.4	17.4	*	30 - 130
4-Nitrophenol	94.3	ND	9.34	9.90	*	30 - 130
N-Nitrosodiphenylamine/Diphenylamine	94.3	ND	104	110		40 - 140
N-Nitrosodi-n-propylamine	94.3	ND	91.5	96.9		40 - 140
Pentachlorophenol	94.3	ND	9.42	9.98	*	30 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

250WATERST-MW3-WG

Laboratory:	Pace New England	Work Order:	23H0919
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Water	Analysis:	SW-846 8270E
Batch:	B348928	Preparation:	SW-846 3510C
% Solids:		Laboratory ID:	B348928-MS1
Initial/Final:	106 mL / 1 mL	Sample Lab ID:	23H0919-03RE1
Column:			

ANALYTE	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	MS CONCENTRATION (µg/L)	MS % REC.		QC LIMITS REC.
Phenanthrene	94.3	ND	98.7	105		40 - 140
Phenol	94.3	ND	21.1	22.3	*	30 - 130
Pyrene	94.3	ND	113	120		40 - 140
1,2,4,5-Tetrachlorobenzene	94.3	ND	64.8	68.7		40 - 140
2,4,5-Trichlorophenol	94.3	ND	6.82	7.23	*	30 - 130
2,4,6-Trichlorophenol	94.3	ND	3.94	4.18	*	30 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

250WATERST-MW3-WG

Laboratory:	Pace New England	Work Order:	23H0919
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Water	Analysis:	SW-846 8270E
Batch:	B348928	Preparation:	SW-846 3510C
% Solids:		Laboratory ID:	B348928-MSD1
Initial/Final:	107 mL / 1 mL	Sample Lab ID:	23H0919-03RE1
Column:			

ANALYTE	SPIKE ADDED (µg/L)	MSD CONCENTRATION (µg/L)	MSD % REC. #		% RPD	QC LIMITS RPD	QC LIMITS REC.
Atrazine	93.5	117	125		7.97	30	40 - 140
Benzaldehyde	93.5	57.3	61.3		7.39	30	40 - 140
Biphenyl	93.5	72.1	77.2		4.89	30	40 - 140
Caprolactam	93.5	35.4	27.2	*	7.41	30	40 - 140
Acenaphthene	93.5	79.8	85.4		6.76	30	40 - 140
Acenaphthylene	93.5	84.8	90.7		5.56	30	40 - 140
Acetophenone	93.5	94.4	101		5.70	30	40 - 140
Anthracene	93.5	97.6	104		5.97	30	40 - 140
Benzo(a)anthracene	93.5	104	112		5.00	30	40 - 140
Benzo(a)pyrene	93.5	105	112		6.91	30	40 - 140
Benzo(b)fluoranthene	93.5	104	112		6.53	30	40 - 140
Benzo(g,h,i)perylene	93.5	102	109		3.32	30	40 - 140
Benzo(k)fluoranthene	93.5	110	118		7.02	30	40 - 140
Bis(2-chloroethoxy)methane	93.5	94.0	101		3.89	30	40 - 140
Bis(2-chloroethyl)ether	93.5	102	110		5.43	30	40 - 140
Bis(2-chloroisopropyl)ether	93.5	114	122		5.72	30	40 - 140
Bis(2-Ethylhexyl)phthalate	93.5	122	130		3.69	30	40 - 140
4-Bromophenylphenylether	93.5	93.7	100		3.02	30	40 - 140
Butylbenzylphthalate	93.5	139	149	*	4.64	30	40 - 140
Carbazole	93.5	97.0	104		7.22	30	40 - 140
4-Chloroaniline	93.5	79.0	84.5		5.03	30	40 - 140
4-Chloro-3-methylphenol	93.5	63.2	67.7		7.15	30	30 - 130
2-Chloronaphthalene	93.5	58.8	62.9		5.48	30	40 - 140
2-Chlorophenol	93.5	21.2	22.7	*	3.98	30	30 - 130
4-Chlorophenylphenylether	93.5	85.2	91.2		5.67	30	40 - 140
Chrysene	93.5	95.3	102		3.77	30	40 - 140
Dibenz(a,h)anthracene	93.5	106	114		2.99	30	40 - 140
Dibenzofuran	93.5	84.1	90.0		6.90	30	40 - 140
Di-n-butylphthalate	93.5	106	113		3.35	30	40 - 140
3,3-Dichlorobenzidine	93.5	118	126		2.24	30	40 - 140

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

250WATERST-MW3-WG

Laboratory:	Pace New England	Work Order:	23H0919
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Water	Analysis:	SW-846 8270E
Batch:	B348928	Preparation:	SW-846 3510C
% Solids:		Laboratory ID:	B348928-MSD1
Initial/Final:	107 mL / 1 mL	Sample Lab ID:	23H0919-03RE1
Column:			

ANALYTE	SPIKE ADDED (µg/L)	MSD CONCENTRATION (µg/L)	MSD % REC. #		% RPD	QC LIMITS RPD	QC LIMITS REC.
2,4-Dichlorophenol	93.5	16.7	17.9	*	3.97	30	30 - 130
Diethylphthalate	93.5	90.7	97.0		8.09	30	40 - 140
2,4-Dimethylphenol	93.5	75.7	81.0		6.44	30	30 - 130
Dimethylphthalate	93.5	94.4	101		7.38	30	40 - 140
4,6-Dinitro-2-methylphenol	93.5	2.82	3.02	*	8.06	30	30 - 130
2,4-Dinitrophenol	93.5	0.897	0.960	*		30	30 - 130
2,4-Dinitrotoluene	93.5	100	107		6.77	30	40 - 140
2,6-Dinitrotoluene	93.5	112	120		5.15	30	40 - 140
Di-n-octylphthalate	93.5	133	142	*	5.43	30	40 - 140
Fluoranthene	93.5	94.7	101		6.27	30	40 - 140
Fluorene	93.5	87.8	93.9		6.55	30	40 - 140
Hexachlorobenzene	93.5	95.1	102		5.21	30	40 - 140
Hexachlorobutadiene	93.5	38.2	40.8		4.66	30	40 - 140
Hexachlorocyclopentadiene	93.5	36.1	38.6		3.77	30	30 - 130
Hexachloroethane	93.5	37.5	40.1		2.72	30	40 - 140
Indeno(1,2,3-cd)pyrene	93.5	111	118		2.29	30	40 - 140
Isophorone	93.5	94.7	101		5.06	30	40 - 140
2-Methylnaphthalene	93.5	51.3	54.9		5.34	30	40 - 140
2-Methylphenol	93.5	68.1	72.9		8.21	30	30 - 130
3/4-Methylphenol	93.5	57.4	61.5		6.46	30	30 - 130
Naphthalene	93.5	47.6	50.9		4.15	30	40 - 140
2-Nitroaniline	93.5	97.7	105		4.14	30	40 - 140
3-Nitroaniline	93.5	100	107		6.32	30	40 - 140
4-Nitroaniline	93.5	90.4	96.7		9.85	30	40 - 140
Nitrobenzene	93.5	78.0	83.4		4.09	30	40 - 140
2-Nitrophenol	93.5	15.6	16.6	*	5.12	30	30 - 130
4-Nitrophenol	93.5	9.35	10.0	*	0.0660	30	30 - 130
N-Nitrosodiphenylamine/Diphenylamine	93.5	98.9	106		5.25	30	40 - 140
N-Nitrosodi-n-propylamine	93.5	87.1	93.2		4.93	30	40 - 140
Pentachlorophenol	93.5	9.39	10.0	*	0.240	30	30 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

250WATERST-MW3-WG

Laboratory:	Pace New England	Work Order:	23H0919
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Water	Analysis:	SW-846 8270E
Batch:	B348928	Preparation:	SW-846 3510C
% Solids:		Laboratory ID:	B348928-MSD1
Initial/Final:	107 mL / 1 mL	Sample Lab ID:	23H0919-03RE1
Column:			

ANALYTE	SPIKE ADDED (µg/L)	MSD CONCENTRATION (µg/L)	MSD % REC. #		% RPD	QC LIMITS RPD	QC LIMITS REC.
Phenanthrene	93.5	94.1	101		4.72	30	40 - 140
Phenol	93.5	19.1	20.5	*	9.63	30	30 - 130
Pyrene	93.5	106	114		6.34	30	40 - 140
1,2,4,5-Tetrachlorobenzene	93.5	61.3	65.6		5.69	30	40 - 140
2,4,5-Trichlorophenol	93.5	5.93	6.35	*	13.9	30	30 - 130
2,4,6-Trichlorophenol	93.5	3.88	4.15	*	1.66	30	30 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	23H0919
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B348279	Laboratory ID:	B348279-BS1
Column:		Initial/Final:	100 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.		QC LIMITS REC.
Atrazine	100	104	104		40 - 140
Benzaldehyde	100	69.9	69.9		40 - 140
Biphenyl	100	90.7	90.7		40 - 140
Caprolactam	100	29.8	29.8	*	40 - 140
Acenaphthene	100	86.9	86.9		40 - 140
Acenaphthylene	100	91.8	91.8		40 - 140
Acetophenone	100	97.4	97.4		40 - 140
Anthracene	100	88.5	88.5		40 - 140
Benzo(a)anthracene	100	88.5	88.5		40 - 140
Benzo(a)pyrene	100	91.6	91.6		40 - 140
Benzo(b)fluoranthene	100	90.1	90.1		40 - 140
Benzo(g,h,i)perylene	100	87.9	87.9		40 - 140
Benzo(k)fluoranthene	100	96.0	96.0		40 - 140
Bis(2-chloroethoxy)methane	100	89.1	89.1		40 - 140
Bis(2-chloroethyl)ether	100	107	107		40 - 140
Bis(2-chloroisopropyl)ether	100	135	135		40 - 140
Bis(2-Ethylhexyl)phthalate	100	94.8	94.8		40 - 140
4-Bromophenylphenylether	100	86.9	86.9		40 - 140
Butylbenzylphthalate	100	107	107		40 - 140
Carbazole	100	86.3	86.3		40 - 140
4-Chloroaniline	100	82.9	82.9		40 - 140
4-Chloro-3-methylphenol	100	78.3	78.3		30 - 130
2-Chloronaphthalene	100	76.0	76.0		40 - 140
2-Chlorophenol	100	38.4	38.4		30 - 130
4-Chlorophenylphenylether	100	83.4	83.4		40 - 140
Chrysene	100	83.7	83.7		40 - 140
Dibenz(a,h)anthracene	100	91.2	91.2		40 - 140
Dibenzofuran	100	87.2	87.2		40 - 140
Di-n-butylphthalate	100	133	133		40 - 140
3,3-Dichlorobenzidine	100	105	105		40 - 140
2,4-Dichlorophenol	100	36.2	36.2		30 - 130
Diethylphthalate	100	82.1	82.1		40 - 140
2,4-Dimethylphenol	100	75.2	75.2		30 - 130
Dimethylphthalate	100	87.6	87.6		40 - 140
4,6-Dinitro-2-methylphenol	100	3.32	3.32	*	30 - 130
2,4-Dinitrophenol	100	1.70	1.70	*	30 - 130
2,4-Dinitrotoluene	100	86.5	86.5		40 - 140

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	23H0919
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B348279	Laboratory ID:	B348279-BS1
Column:		Initial/Final:	100 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.		QC LIMITS REC.
2,6-Dinitrotoluene	100	96.7	96.7		40 - 140
Di-n-octylphthalate	100	102	102		40 - 140
Fluoranthene	100	84.4	84.4		40 - 140
Fluorene	100	84.9	84.9		40 - 140
Hexachlorobenzene	100	88.7	88.7		40 - 140
Hexachlorobutadiene	100	50.7	50.7		40 - 140
Hexachlorocyclopentadiene	100	61.7	61.7		30 - 140
Hexachloroethane	100	44.1	44.1		40 - 140
Indeno(1,2,3-cd)pyrene	100	93.3	93.3		40 - 140
Isophorone	100	93.0	93.0		40 - 140
2-Methylnaphthalene	100	77.1	77.1		40 - 140
2-Methylphenol	100	76.4	76.4		30 - 130
3/4-Methylphenol	100	69.4	69.4		30 - 130
Naphthalene	100	70.4	70.4		40 - 140
2-Nitroaniline	100	89.6	89.6		40 - 140
3-Nitroaniline	100	89.2	89.2		40 - 140
4-Nitroaniline	100	82.3	82.3		40 - 140
Nitrobenzene	100	83.2	83.2		40 - 140
2-Nitrophenol	100	25.9	25.9	*	30 - 130
4-Nitrophenol	100	9.03	9.03	*	10 - 130
N-Nitrosodiphenylamine/Diphenylamine	100	91.1	91.1		40 - 140
N-Nitrosodi-n-propylamine	100	84.6	84.6		40 - 140
Pentachlorophenol	100	13.1	13.1	*	30 - 130
Phenanthrene	100	84.8	84.8		40 - 140
Phenol	100	31.0	31.0		20 - 130
Pyrene	100	90.4	90.4		40 - 140
1,2,4,5-Tetrachlorobenzene	100	90.7	90.7		40 - 140
2,4,5-Trichlorophenol	100	20.2	20.2	*	30 - 130
2,4,6-Trichlorophenol	100	9.06	9.06	*	30 - 130

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
Atrazine	100	103	103		1.13	20	40 - 140
Benzaldehyde	100	64.7	64.7		7.71	20	40 - 140
Biphenyl	100	84.8	84.8		6.74	20	40 - 140
Caprolactam	100	28.4	28.4	*	4.98	20	40 - 140

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	23H0919
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B348279	Laboratory ID:	B348279-BSD1
Column:		Initial/Final:	100 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #	% RPD #		QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	100	79.9	79.9	8.33		20	40 - 140
Acenaphthylene	100	85.4	85.4	7.27		20	40 - 140
Acetophenone	100	91.7	91.7	6.08		20	40 - 140
Anthracene	100	82.9	82.9	6.48		20	40 - 140
Benzo(a)anthracene	100	85.2	85.2	3.81		20	40 - 140
Benzo(a)pyrene	100	86.5	86.5	5.81		20	40 - 140
Benzo(b)fluoranthene	100	86.4	86.4	4.18		20	40 - 140
Benzo(g,h,i)perylene	100	78.6	78.6	11.2		20	40 - 140
Benzo(k)fluoranthene	100	92.0	92.0	4.22		20	40 - 140
Bis(2-chloroethoxy)methane	100	83.1	83.1	6.99		20	40 - 140
Bis(2-chloroethyl)ether	100	98.9	98.9	8.01		20	40 - 140
Bis(2-chloroisopropyl)ether	100	130	130	3.39		20	40 - 140
Bis(2-Ethylhexyl)phthalate	100	94.0	94.0	0.805		20	40 - 140
4-Bromophenylphenylether	100	81.3	81.3	6.63		20	40 - 140
Butylbenzylphthalate	100	106	106	0.301		20	40 - 140
Carbazole	100	81.7	81.7	5.49		20	40 - 140
4-Chloroaniline	100	76.8	76.8	7.64		20	40 - 140
4-Chloro-3-methylphenol	100	80.0	80.0	2.25		20	30 - 130
2-Chloronaphthalene	100	70.8	70.8	7.06		20	40 - 140
2-Chlorophenol	100	79.0	79.0	69.3	*	20	30 - 130
4-Chlorophenylphenylether	100	77.1	77.1	7.79		20	40 - 140
Chrysene	100	78.6	78.6	6.30		20	40 - 140
Dibenz(a,h)anthracene	100	81.8	81.8	10.9		20	40 - 140
Dibenzofuran	100	80.6	80.6	7.86		20	40 - 140
Di-n-butylphthalate	100	115	115	13.8		20	40 - 140
3,3-Dichlorobenzidine	100	99.1	99.1	5.84		20	40 - 140
2,4-Dichlorophenol	100	83.2	83.2	78.8	*	20	30 - 130
Diethylphthalate	100	79.6	79.6	3.06		20	40 - 140
2,4-Dimethylphenol	100	71.1	71.1	5.54		20	30 - 130
Dimethylphthalate	100	82.1	82.1	6.49		50	40 - 140
4,6-Dinitro-2-methylphenol	100	97.0	97.0	187	*	50	30 - 130
2,4-Dinitrophenol	100	82.6	82.6	192	*	50	30 - 130
2,4-Dinitrotoluene	100	86.9	86.9	0.404		20	40 - 140
2,6-Dinitrotoluene	100	94.0	94.0	2.82		20	40 - 140
Di-n-octylphthalate	100	103	103	1.56		20	40 - 140
Fluoranthene	100	80.9	80.9	4.21		20	40 - 140
Fluorene	100	80.3	80.3	5.55		20	40 - 140

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	23H0919
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B348279	Laboratory ID:	B348279-BSD1
Column:		Initial/Final:	100 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #		% RPD #		QC LIMITS RPD	QC LIMITS REC.
Hexachlorobenzene	100	81.3	81.3		8.66		20	40 - 140
Hexachlorobutadiene	100	47.0	47.0		7.72		20	40 - 140
Hexachlorocyclopentadiene	100	59.6	59.6		3.33		50	30 - 140
Hexachloroethane	100	37.4	37.4	*	16.5		50	40 - 140
Indeno(1,2,3-cd)pyrene	100	83.9	83.9		10.6		50	40 - 140
Isophorone	100	85.8	85.8		8.03		20	40 - 140
2-Methylnaphthalene	100	74.2	74.2		3.79		20	40 - 140
2-Methylphenol	100	74.4	74.4		2.65		20	30 - 130
3/4-Methylphenol	100	70.5	70.5		1.64		20	30 - 130
Naphthalene	100	65.3	65.3		7.63		20	40 - 140
2-Nitroaniline	100	87.3	87.3		2.52		20	40 - 140
3-Nitroaniline	100	84.2	84.2		5.72		20	40 - 140
4-Nitroaniline	100	83.9	83.9		1.88		20	40 - 140
Nitrobenzene	100	77.7	77.7		6.85		20	40 - 140
2-Nitrophenol	100	81.0	81.0		103	*	20	30 - 130
4-Nitrophenol	100	43.8	43.8		132	*	50	10 - 130
N-Nitrosodiphenylamine/Diphenylamine	100	85.4	85.4		6.44		20	40 - 140
N-Nitrosodi-n-propylamine	100	81.7	81.7		3.52		20	40 - 140
Pentachlorophenol	100	82.9	82.9		146	*	50	30 - 130
Phenanthrene	100	79.7	79.7		6.12		20	40 - 140
Phenol	100	41.3	41.3		28.5	*	20	20 - 130
Pyrene	100	86.1	86.1		4.84		20	40 - 140
1,2,4,5-Tetrachlorobenzene	100	83.3	83.3		8.45		20	40 - 140
2,4,5-Trichlorophenol	100	85.8	85.8		124	*	20	30 - 130
2,4,6-Trichlorophenol	100	86.5	86.5		162	*	50	30 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	23H0919
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B348928	Laboratory ID:	B348928-BS1
Column:		Initial/Final:	100 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.		QC LIMITS REC.
Atrazine	100	107	107		40 - 140
Benzaldehyde	100	49.5	49.5		40 - 140
Biphenyl	100	64.6	64.6		40 - 140
Caprolactam	100	24.9	24.9	*	40 - 140
Acenaphthene	100	70.2	70.2		40 - 140
Acenaphthylene	100	75.0	75.0		40 - 140
Acetophenone	100	83.2	83.2		40 - 140
Anthracene	100	84.5	84.5		40 - 140
Benzo(a)anthracene	100	87.0	87.0		40 - 140
Benzo(a)pyrene	100	88.4	88.4		40 - 140
Benzo(b)fluoranthene	100	86.4	86.4		40 - 140
Benzo(g,h,i)perylene	100	91.3	91.3		40 - 140
Benzo(k)fluoranthene	100	94.3	94.3		40 - 140
Bis(2-chloroethoxy)methane	100	77.8	77.8		40 - 140
Bis(2-chloroethyl)ether	100	88.7	88.7		40 - 140
Bis(2-chloroisopropyl)ether	100	103	103		40 - 140
Bis(2-Ethylhexyl)phthalate	100	88.6	88.6		40 - 140
4-Bromophenylphenylether	100	80.1	80.1		40 - 140
Butylbenzylphthalate	100	97.9	97.9		40 - 140
Carbazole	100	86.4	86.4		40 - 140
4-Chloroaniline	100	76.8	76.8		40 - 140
4-Chloro-3-methylphenol	100	80.1	80.1		30 - 130
2-Chloronaphthalene	100	50.2	50.2		40 - 140
2-Chlorophenol	100	74.0	74.0		30 - 130
4-Chlorophenylphenylether	100	75.2	75.2		40 - 140
Chrysene	100	83.4	83.4		40 - 140
Dibenz(a,h)anthracene	100	94.6	94.6		40 - 140
Dibenzofuran	100	74.8	74.8		40 - 140
Di-n-butylphthalate	100	87.5	87.5		40 - 140
3,3-Dichlorobenzidine	100	107	107		40 - 140
2,4-Dichlorophenol	100	80.4	80.4		30 - 130
Diethylphthalate	100	80.3	80.3		40 - 140
2,4-Dimethylphenol	100	68.5	68.5		30 - 130
Dimethylphthalate	100	82.2	82.2		40 - 140
4,6-Dinitro-2-methylphenol	100	94.3	94.3		30 - 130
2,4-Dinitrophenol	100	84.8	84.8		30 - 130
2,4-Dinitrotoluene	100	87.8	87.8		40 - 140

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	23H0919
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B348928	Laboratory ID:	B348928-BS1
Column:		Initial/Final:	100 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.		QC LIMITS REC.
2,6-Dinitrotoluene	100	94.4	94.4		40 - 140
Di-n-octylphthalate	100	88.0	88.0		40 - 140
Fluoranthene	100	84.8	84.8		40 - 140
Fluorene	100	77.4	77.4		40 - 140
Hexachlorobenzene	100	82.1	82.1		40 - 140
Hexachlorobutadiene	100	24.2	24.2	*	40 - 140
Hexachlorocyclopentadiene	100	26.2	26.2	*	30 - 140
Hexachloroethane	100	24.3	24.3	*	40 - 140
Indeno(1,2,3-cd)pyrene	100	97.0	97.0		40 - 140
Isophorone	100	81.3	81.3		40 - 140
2-Methylnaphthalene	100	43.5	43.5		40 - 140
2-Methylphenol	100	74.3	74.3		30 - 130
3/4-Methylphenol	100	69.0	69.0		30 - 130
Naphthalene	100	36.7	36.7	*	40 - 140
2-Nitroaniline	100	82.2	82.2		40 - 140
3-Nitroaniline	100	88.5	88.5		40 - 140
4-Nitroaniline	100	86.2	86.2		40 - 140
Nitrobenzene	100	67.6	67.6		40 - 140
2-Nitrophenol	100	72.5	72.5		30 - 130
4-Nitrophenol	100	46.8	46.8		10 - 130
N-Nitrosodiphenylamine/Diphenylamine	100	83.8	83.8		40 - 140
N-Nitrosodi-n-propylamine	100	73.0	73.0		40 - 140
Pentachlorophenol	100	84.4	84.4		30 - 130
Phenanthrene	100	80.9	80.9		40 - 140
Phenol	100	40.4	40.4		20 - 130
Pyrene	100	83.0	83.0		40 - 140
1,2,4,5-Tetrachlorobenzene	100	52.5	52.5		40 - 140
2,4,5-Trichlorophenol	100	85.9	85.9		30 - 130
2,4,6-Trichlorophenol	100	81.2	81.2		30 - 130

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
Atrazine	100	97.1	97.1		9.71	20	40 - 140
Benzaldehyde	100	47.6	47.6		3.87	20	40 - 140
Biphenyl	100	60.2	60.2		7.01	20	40 - 140
Caprolactam	100	24.5	24.5	*	1.34	20	40 - 140

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	23H0919
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B348928	Laboratory ID:	B348928-BSD1
Column:		Initial/Final:	100 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #	% RPD #		QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	100	65.1	65.1	7.46		20	40 - 140
Acenaphthylene	100	69.8	69.8	7.23		20	40 - 140
Acetophenone	100	80.1	80.1	3.85		20	40 - 140
Anthracene	100	81.9	81.9	3.22		20	40 - 140
Benzo(a)anthracene	100	83.8	83.8	3.78		20	40 - 140
Benzo(a)pyrene	100	84.6	84.6	4.44		20	40 - 140
Benzo(b)fluoranthene	100	82.4	82.4	4.72		20	40 - 140
Benzo(g,h,i)perylene	100	85.9	85.9	6.07		20	40 - 140
Benzo(k)fluoranthene	100	87.4	87.4	7.62		20	40 - 140
Bis(2-chloroethoxy)methane	100	73.8	73.8	5.40		20	40 - 140
Bis(2-chloroethyl)ether	100	83.5	83.5	5.98		20	40 - 140
Bis(2-chloroisopropyl)ether	100	98.5	98.5	4.27		20	40 - 140
Bis(2-Ethylhexyl)phthalate	100	85.9	85.9	3.15		20	40 - 140
4-Bromophenylphenylether	100	78.5	78.5	2.01		20	40 - 140
Butylbenzylphthalate	100	97.9	97.9	0.0102		20	40 - 140
Carbazole	100	82.1	82.1	5.04		20	40 - 140
4-Chloroaniline	100	75.2	75.2	1.97		20	40 - 140
4-Chloro-3-methylphenol	100	74.8	74.8	6.88		20	30 - 130
2-Chloronaphthalene	100	47.2	47.2	6.24		20	40 - 140
2-Chlorophenol	100	70.5	70.5	4.89		20	30 - 130
4-Chlorophenylphenylether	100	70.8	70.8	5.99		20	40 - 140
Chrysene	100	77.9	77.9	6.76		20	40 - 140
Dibenz(a,h)anthracene	100	87.3	87.3	8.05		20	40 - 140
Dibenzofuran	100	70.6	70.6	5.86		20	40 - 140
Di-n-butylphthalate	100	85.4	85.4	2.39		20	40 - 140
3,3-Dichlorobenzidine	100	101	101	5.61		20	40 - 140
2,4-Dichlorophenol	100	74.6	74.6	7.43		20	30 - 130
Diethylphthalate	100	74.5	74.5	7.47		20	40 - 140
2,4-Dimethylphenol	100	65.2	65.2	4.91		20	30 - 130
Dimethylphthalate	100	77.6	77.6	5.73		50	40 - 140
4,6-Dinitro-2-methylphenol	100	83.0	83.0	12.8		50	30 - 130
2,4-Dinitrophenol	100	44.3	44.3	62.8	*	50	30 - 130
2,4-Dinitrotoluene	100	81.6	81.6	7.37		20	40 - 140
2,6-Dinitrotoluene	100	88.7	88.7	6.32		20	40 - 140
Di-n-octylphthalate	100	88.3	88.3	0.250		20	40 - 140
Fluoranthene	100	81.2	81.2	4.27		20	40 - 140
Fluorene	100	72.2	72.2	6.97		20	40 - 140

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	23H0919
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B348928	Laboratory ID:	B348928-BSD1
Column:		Initial/Final:	100 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #		% RPD #		QC LIMITS RPD	QC LIMITS REC.
Hexachlorobenzene	100	78.9	78.9		3.95		20	40 - 140
Hexachlorobutadiene	100	30.6	30.6	*	23.2	*	20	40 - 140
Hexachlorocyclopentadiene	100	28.8	28.8	*	9.39		50	30 - 140
Hexachloroethane	100	28.8	28.8	*	16.8		50	40 - 140
Indeno(1,2,3-cd)pyrene	100	91.4	91.4		5.96		50	40 - 140
Isophorone	100	76.1	76.1		6.65		20	40 - 140
2-Methylnaphthalene	100	43.2	43.2		0.646		20	40 - 140
2-Methylphenol	100	70.1	70.1		5.78		20	30 - 130
3/4-Methylphenol	100	67.2	67.2		2.56		20	30 - 130
Naphthalene	100	39.3	39.3	*	6.76		20	40 - 140
2-Nitroaniline	100	79.3	79.3		3.61		20	40 - 140
3-Nitroaniline	100	86.8	86.8		1.97		20	40 - 140
4-Nitroaniline	100	80.8	80.8		6.54		20	40 - 140
Nitrobenzene	100	63.8	63.8		5.71		20	40 - 140
2-Nitrophenol	100	69.9	69.9		3.68		20	30 - 130
4-Nitrophenol	100	41.8	41.8		11.2		50	10 - 130
N-Nitrosodiphenylamine/Diphenylamine	100	81.5	81.5		2.67		20	40 - 140
N-Nitrosodi-n-propylamine	100	69.6	69.6		4.90		20	40 - 140
Pentachlorophenol	100	79.5	79.5		5.99		50	30 - 130
Phenanthrene	100	78.3	78.3		3.33		20	40 - 140
Phenol	100	39.2	39.2		2.99		20	20 - 130
Pyrene	100	81.7	81.7		1.66		20	40 - 140
1,2,4,5-Tetrachlorobenzene	100	52.5	52.5		0.114		20	40 - 140
2,4,5-Trichlorophenol	100	78.6	78.6		8.85		20	30 - 130
2,4,6-Trichlorophenol	100	77.9	77.9		4.07		50	30 - 130

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8270E

Laboratory:	Pace New England	Work Order:	23H0919
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Calibration:	2300835	Instrument:	GCMSSV9
		Calibration Date:	6/8/2023 1:23:55PM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
Atrazine	0.4113775	11.7			20	
Benzaldehyde	1.123605	9.2			20	
Biphenyl	1.783044	4.2			20	
Caprolactam	8.972941E-02	18.2			20	
Acenaphthene	1.244484	5.0			20	
Acenaphthylene	1.968534	6.9			20	
Acetophenone	2.091298	8.7			20	
Anthracene	1.158403	6.3			20	
Benzo(a)anthracene	1.469768	6.4			20	
Benzo(a)pyrene	1.159473	15.1			20	
Benzo(b)fluoranthene	1.377315	11.3			20	
Benzo(g,h,i)perylene	1.170872	10.1			20	
Benzo(k)fluoranthene	1.27981	8.5			20	
Bis(2-chloroethoxy)methane	0.4627428	3.9			20	
Bis(2-chloroethyl)ether	1.093493	5.8			20	
Bis(2-chloroisopropyl)ether	1.656228	4.2			20	
Bis(2-Ethylhexyl)phthalate	0.7758846	23.9			20	*
4-Bromophenylphenylether	0.2503115	9.0			20	
Butylbenzylphthalate	0.4948783	20.0			20	
Carbazole	1.034838	7.1			20	
4-Chloroaniline	0.452269	9.8			20	
4-Chloro-3-methylphenol	0.320612	12.3			20	
2-Chloronaphthalene	1.634062	5.6			20	
2-Chlorophenol	1.415631	10.9			20	
4-Chlorophenylphenylether	0.8492857	9.8			20	
Chrysene	1.52735	5.8			20	
Dibenz(a,h)anthracene	1.120346	14.4			20	
Dibenzofuran	1.985618	4.4			20	
Di-n-butylphthalate	1.192401	10.4			20	
3,3-Dichlorobenzidine	0.4335088	17.4			20	
2,4-Dichlorophenol	0.3261772	12.7			20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Pace New England	Work Order:	23H0919
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	GCMSSV9	Calibration:	2300835
Lab File ID:	I23S228005.D	Calibration Date:	06/08/23 13:23
Sequence:	S092151	Injection Date:	08/16/23
Lab Sample ID:	S092151-CCV1	Injection Time:	10:33

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Biphenyl	A	10.0	9.34	1.783044	1.665308		-6.6	20	
Acenaphthene	A	10.0	9.18	1.244484	1.142941		-8.2	20	
Acenaphthylene	A	10.0	9.50	1.968534	1.871051		-5.0	20	
Acetophenone	A	10.0	8.94	2.091298	1.870647		-10.6	20	
Anthracene	A	10.0	9.12	1.158403	1.056733		-8.8	20	
Benzo(a)anthracene	A	10.0	9.06	1.469768	1.331508		-9.4	20	
Benzo(a)pyrene	A	10.0	9.44	1.159473	1.094003		-5.6	20	
Benzo(b)fluoranthene	A	10.0	9.32	1.377315	1.284055		-6.8	20	
Benzo(g,h,i)perylene	A	10.0	9.20	1.170872	1.076752		-8.0	20	
Benzo(k)fluoranthene	A	10.0	9.30	1.27981	1.189566		-7.1	20	
Bis(2-chloroethoxy)methane	A	10.0	8.78	0.4627428	0.4062087		-12.2	20	
Bis(2-chloroethyl)ether	A	10.0	10.5	1.093493	1.146002		4.8	20	
Bis(2-chloroisopropyl)ether	A	10.0	12.4	1.656228	2.058442		24.3	20	*
Bis(2-Ethylhexyl)phthalate	A	10.0	8.35	0.7758846	0.6475225		-16.5	20	
4-Bromophenylphenylether	A	10.0	8.50	0.2503115	0.2127955		-15.0	20	
Butylbenzylphthalate	A	10.0	8.25	0.4948783	0.4083028		-17.5	20	
Carbazole	A	10.0	9.19	1.034838	0.9511739		-8.1	20	
4-Chloroaniline	A	10.0	8.70	0.452269	0.3935108		-13.0	20	
4-Chloro-3-methylphenol	A	10.0	9.30	0.320612	0.2982607		-7.0	20	
2-Chloronaphthalene	A	10.0	8.92	1.634062	1.456757		-10.9	20	
2-Chlorophenol	A	10.0	9.59	1.415631	1.358156		-4.1	20	
4-Chlorophenylphenylether	A	10.0	8.49	0.8492857	0.7210959		-15.1	20	
Chrysene	A	10.0	8.74	1.52735	1.335243		-12.6	20	
Dibenz(a,h)anthracene	A	10.0	9.67	1.120346	1.08331		-3.3	20	
Dibenzofuran	A	10.0	9.00	1.985618	1.787866		-10.0	20	
Di-n-butylphthalate	A	10.0	8.79	1.192401	1.047595		-12.1	20	
3,3-Dichlorobenzidine	A	10.0	10.1	0.4335088	0.4363436		0.7	20	
2,4-Dichlorophenol	A	10.0	9.67	0.3261772	0.3155101		-3.3	20	
Diethylphthalate	A	10.0	8.28	1.620198	1.342258		-17.2	20	
2,4-Dimethylphenol	A	10.0	9.58	0.3260839	0.3124093		-4.2	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Pace New England	Work Order:	23H0919
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	GCMSSV9	Calibration:	2300835
Lab File ID:	I23S228004.D	Calibration Date:	06/08/23 13:23
Sequence:	S092151	Injection Date:	08/16/23
Lab Sample ID:	S092151-CCV2	Injection Time:	09:18

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Atrazine	A	10.0	9.91	0.4113775	1.630118		296	20	*
Benzaldehyde	A	10.0	8.90	1.123605	3.998765		256	20	*
Caprolactam	A	10.0	8.69	8.972941E-02	0.3118848		248	20	*

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Pace New England	Work Order:	23H0919
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	GCMSSV9	Calibration:	2300835
Lab File ID:	I23S229002.D	Calibration Date:	06/08/23 13:23
Sequence:	S092198	Injection Date:	08/17/23
Lab Sample ID:	S092198-CCV1	Injection Time:	07:59

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Biphenyl	A	10.0	9.43	1.783044	1.681203		-5.7	20	
Acenaphthene	A	10.0	9.16	1.244484	1.13935		-8.4	20	
Acenaphthylene	A	10.0	9.57	1.968534	1.883167		-4.3	20	
Acetophenone	A	10.0	8.87	2.091298	1.854502		-11.3	20	
Anthracene	A	10.0	9.22	1.158403	1.068158		-7.8	20	
Benzo(a)anthracene	A	10.0	9.24	1.469768	1.358167		-7.6	20	
Benzo(a)pyrene	A	10.0	9.55	1.159473	1.106802		-4.5	20	
Benzo(b)fluoranthene	A	10.0	9.33	1.377315	1.285448		-6.7	20	
Benzo(g,h,i)perylene	A	10.0	9.31	1.170872	1.090014		-6.9	20	
Benzo(k)fluoranthene	A	10.0	9.27	1.27981	1.186527		-7.3	20	
Bis(2-chloroethoxy)methane	A	10.0	8.86	0.4627428	0.4101074		-11.4	20	
Bis(2-chloroethyl)ether	A	10.0	10.6	1.093493	1.158925		6.0	20	
Bis(2-chloroisopropyl)ether	A	10.0	13.0	1.656228	2.152153		29.9	20	*
Bis(2-Ethylhexyl)phthalate	A	10.0	9.81	0.7758846	0.7614681		-1.9	20	
4-Bromophenylphenylether	A	10.0	8.36	0.2503115	0.2093884		-16.3	20	
Butylbenzylphthalate	A	10.0	9.81	0.4948783	0.485309		-1.9	20	
Carbazole	A	10.0	9.57	1.034838	0.9900429		-4.3	20	
4-Chloroaniline	A	10.0	8.47	0.452269	0.383021		-15.3	20	
4-Chloro-3-methylphenol	A	10.0	9.40	0.320612	0.3013275		-6.0	20	
2-Chloronaphthalene	A	10.0	9.82	1.634062	1.603941		-1.8	20	
2-Chlorophenol	A	10.0	9.64	1.415631	1.364844		-3.6	20	
4-Chlorophenylphenylether	A	10.0	8.40	0.8492857	0.7130955		-16.0	20	
Chrysene	A	10.0	8.84	1.52735	1.350659		-11.6	20	
Dibenz(a,h)anthracene	A	10.0	9.99	1.120346	1.118906		-0.1	20	
Dibenzofuran	A	10.0	9.08	1.985618	1.803976		-9.1	20	
Di-n-butylphthalate	A	10.0	9.19	1.192401	1.096066		-8.1	20	
3,3-Dichlorobenzidine	A	10.0	9.94	0.4335088	0.4308573		-0.6	20	
2,4-Dichlorophenol	A	10.0	9.67	0.3261772	0.3153736		-3.3	20	
Diethylphthalate	A	10.0	8.61	1.620198	1.394355		-13.9	20	
2,4-Dimethylphenol	A	10.0	9.76	0.3260839	0.3183323		-2.4	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Pace New England	Work Order:	23H0919
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	GCMSSV9	Calibration:	2300835
Lab File ID:	I23S230002.D	Calibration Date:	06/08/23 13:23
Sequence:	S092215	Injection Date:	08/18/23
Lab Sample ID:	S092215-CCV1	Injection Time:	10:08

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Biphenyl	A	10.0	9.38	1.783044	1.672783		-6.2	20	
Acenaphthene	A	10.0	9.19	1.244484	1.143614		-8.1	20	
Acenaphthylene	A	10.0	9.36	1.968534	1.841695		-6.4	20	
Acetophenone	A	10.0	8.71	2.091298	1.821202		-12.9	20	
Anthracene	A	10.0	9.10	1.158403	1.054175		-9.0	20	
Benzo(a)anthracene	A	10.0	9.40	1.469768	1.382187		-6.0	20	
Benzo(a)pyrene	A	10.0	9.54	1.159473	1.106231		-4.6	20	
Benzo(b)fluoranthene	A	10.0	9.30	1.377315	1.280426		-7.0	20	
Benzo(g,h,i)perylene	A	10.0	9.41	1.170872	1.102016		-5.9	20	
Benzo(k)fluoranthene	A	10.0	9.34	1.27981	1.194912		-6.6	20	
Bis(2-chloroethoxy)methane	A	10.0	8.84	0.4627428	0.4092158		-11.6	20	
Bis(2-chloroethyl)ether	A	10.0	10.4	1.093493	1.139343		4.2	20	
Bis(2-chloroisopropyl)ether	A	10.0	12.3	1.656228	2.029543		22.5	20	*
Bis(2-Ethylhexyl)phthalate	A	10.0	9.67	0.7758846	0.7500088		-3.3	20	
4-Bromophenylphenylether	A	10.0	8.49	0.2503115	0.2124019		-15.1	20	
Butylbenzylphthalate	A	10.0	10.1	0.4948783	0.49859		0.8	20	
Carbazole	A	10.0	9.18	1.034838	0.9495662		-8.2	20	
4-Chloroaniline	A	10.0	8.36	0.452269	0.3778556		-16.5	20	
4-Chloro-3-methylphenol	A	10.0	9.19	0.320612	0.2946237		-8.1	20	
2-Chloronaphthalene	A	10.0	9.04	1.634062	1.477859		-9.6	20	
2-Chlorophenol	A	10.0	9.58	1.415631	1.356898		-4.1	20	
4-Chlorophenylphenylether	A	10.0	8.22	0.8492857	0.6984135		-17.8	20	
Chrysene	A	10.0	8.80	1.52735	1.34475		-12.0	20	
Dibenz(a,h)anthracene	A	10.0	10.1	1.120346	1.136023		1.4	20	
Dibenzofuran	A	10.0	8.82	1.985618	1.751833		-11.8	20	
Di-n-butylphthalate	A	10.0	8.94	1.192401	1.066324		-10.6	20	
3,3-Dichlorobenzidine	A	10.0	10.2	0.4335088	0.4429739		2.2	20	
2,4-Dichlorophenol	A	10.0	9.72	0.3261772	0.3169851		-2.8	20	
Diethylphthalate	A	10.0	8.38	1.620198	1.358451		-16.2	20	
2,4-Dimethylphenol	A	10.0	9.68	0.3260839	0.3156464		-3.2	20	

1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Pace New England			Work Order:	23H0919
Client:	NYDEC_TRC Engineers, Inc. - New York, NY		Project:	250 Water Street P-site CAT B - CO 147098	
Matrix:	Water	Laboratory ID:	B348279-BLK1	File ID:	I23S228019.D
Sampled:		Prepared:	08/07/23 18:05	Analyzed:	08/16/23 15:52
Solids:		Preparation:	SW-846 3510C	Dilution:	
Initial/Final:	100 mL / 1 mL				
Batch:	B348279	Sequence:	S092151	Calibration:	2300835
Instrument:	GCMSSV9				
Column:	1				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
1912-24-9	Atrazine		1.6	20	
100-52-7	Benzaldehyde		0.72	10	
92-52-4	Biphenyl		0.92	20	
105-60-2	Caprolactam		0.72	10	L-04
83-32-9	Acenaphthene		0.79	5.0	
208-96-8	Acenaphthylene		0.64	5.0	
98-86-2	Acetophenone		0.50	10	
120-12-7	Anthracene		0.54	5.0	
56-55-3	Benzo(a)anthracene		0.38	5.0	
50-32-8	Benzo(a)pyrene		0.43	5.0	
205-99-2	Benzo(b)fluoranthene		0.32	5.0	
191-24-2	Benzo(g,h,i)perylene		0.52	5.0	
207-08-9	Benzo(k)fluoranthene		0.46	5.0	
111-91-1	Bis(2-chloroethoxy)methane		0.58	10	
111-44-4	Bis(2-chloroethyl)ether		0.46	10	
108-60-1	Bis(2-chloroisopropyl)ether		0.75	10	V-06
117-81-7	Bis(2-Ethylhexyl)phthalate		0.32	10	V-04
101-55-3	4-Bromophenylphenylether		0.71	10	
85-68-7	Butylbenzylphthalate		0.40	10	V-35
86-74-8	Carbazole		0.46	10	
106-47-8	4-Chloroaniline		5.2	10	
59-50-7	4-Chloro-3-methylphenol		0.63	10	
91-58-7	2-Chloronaphthalene		0.81	10	
95-57-8	2-Chlorophenol		0.41	10	
7005-72-3	4-Chlorophenylphenylether		0.87	10	
218-01-9	Chrysene		0.46	5.0	
53-70-3	Dibenz(a,h)anthracene		0.48	5.0	
132-64-9	Dibenzofuran		0.86	5.0	
84-74-2	Di-n-butylphthalate	25	0.50	10	B

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8081B

Laboratory:	Pace New England	Work Order:	23H0919
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B348522	Laboratory ID:	B348522-BS1
Column:	1	Initial/Final:	100 mL / 2 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.	QC LIMITS REC.
alpha-Chlordane	2.00	1.3	65.1	0 - 200
gamma-Chlordane	2.00	1.3	64.2	0 - 200
Alachlor	2.00	0.88	43.9	40 - 140
Aldrin	2.00	0.90	45.0	40 - 140
alpha-BHC	2.00	1.3	65.5	40 - 140
beta-BHC	2.00	1.1	55.8	40 - 140
delta-BHC	2.00	1.0	51.6	40 - 140
gamma-BHC (Lindane)	2.00	1.2	58.7	40 - 140
4,4'-DDD	2.00	1.6	79.7	40 - 140
4,4'-DDE	2.00	1.5	74.0	40 - 140
4,4'-DDT	2.00	1.6	80.7	40 - 140
Dieldrin	2.00	1.3	65.4	40 - 140
Endosulfan I	2.00	1.3	66.0	40 - 140
Endosulfan II	2.00	1.3	66.3	40 - 140
Endosulfan Sulfate	2.00	0.84	41.8	40 - 140
Endrin	2.00	1.5	73.5	40 - 140
Endrin Aldehyde	2.00	1.8	88.3	40 - 140
Endrin Ketone	2.00	1.2	57.6	40 - 140
Heptachlor	2.00	1.1	53.4	40 - 140
Heptachlor Epoxide	2.00	1.3	65.7	40 - 140
Hexachlorobenzene	2.00	1.1	53.2	40 - 140
Methoxychlor	2.00	1.5	74.5	40 - 140

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #	% RPD #		QC LIMITS RPD	QC LIMITS REC.
alpha-Chlordane	2.00	1.5	76.3	15.8		200	0 - 200
gamma-Chlordane	2.00	1.5	75.5	16.1		200	0 - 200
Alachlor	2.00	1.3	67.4	42.1	*	20	40 - 140
Aldrin	2.00	1.0	51.6	13.7		20	40 - 140
alpha-BHC	2.00	1.7	82.9	23.5	*	20	40 - 140
beta-BHC	2.00	1.4	69.6	21.9	*	20	40 - 140
delta-BHC	2.00	1.5	77.1	39.6	*	20	40 - 140
gamma-BHC (Lindane)	2.00	1.5	76.5	26.3	*	20	40 - 140
4,4'-DDD	2.00	1.8	90.5	12.6		20	40 - 140
4,4'-DDE	2.00	1.7	85.0	13.8		20	40 - 140

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8081B

Laboratory:	Pace New England	Work Order:	23H0919
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B348522	Laboratory ID:	B348522-BSD1
Column:	1	Initial/Final:	100 mL / 2 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #	% RPD #		QC LIMITS RPD	QC LIMITS REC.
4,4'-DDT	2.00	1.7	86.7	7.12		20	40 - 140
Dieldrin	2.00	1.6	82.3	22.8	*	20	40 - 140
Endosulfan I	2.00	1.6	78.5	17.2		20	40 - 140
Endosulfan II	2.00	1.6	81.8	21.0	*	20	40 - 140
Endosulfan Sulfate	2.00	1.7	83.3	66.4	*	20	40 - 140
Endrin	2.00	1.7	86.8	16.7		20	40 - 140
Endrin Aldehyde	2.00	1.8	88.5	0.274		20	40 - 140
Endrin Ketone	2.00	1.6	82.1	35.2	*	20	40 - 140
Heptachlor	2.00	1.2	62.0	14.9		20	40 - 140
Heptachlor Epoxide	2.00	1.6	77.9	16.9		20	40 - 140
Hexachlorobenzene	2.00	1.2	61.4	14.3		20	40 - 140
Methoxychlor	2.00	1.7	84.7	12.7		20	40 - 140

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8081B

Laboratory:	Pace New England	Work Order:	23H0919
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B348522	Laboratory ID:	B348522-BS1
Column:	2	Initial/Final:	100 mL / 2 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.	QC LIMITS REC.
alpha-Chlordane [2C]	2.00	1.4	70.8	0 - 200
gamma-Chlordane [2C]	2.00	1.4	70.2	0 - 200
Alachlor [2C]	2.00	1.1	53.7	40 - 140
Aldrin [2C]	2.00	1.1	53.6	40 - 140
alpha-BHC [2C]	2.00	1.6	78.4	40 - 140
beta-BHC [2C]	2.00	1.3	64.6	40 - 140
delta-BHC [2C]	2.00	1.1	57.1	40 - 140
gamma-BHC (Lindane) [2C]	2.00	1.4	69.8	40 - 140
4,4'-DDD [2C]	2.00	1.7	86.3	40 - 140
4,4'-DDE [2C]	2.00	1.4	72.1	40 - 140
4,4'-DDT [2C]	2.00	1.8	89.6	40 - 140
Dieldrin [2C]	2.00	1.5	75.7	40 - 140
Endosulfan I [2C]	2.00	1.4	72.0	40 - 140
Endosulfan II [2C]	2.00	1.4	70.7	40 - 140
Endosulfan Sulfate [2C]	2.00	0.93	46.7	40 - 140
Endrin [2C]	2.00	1.6	80.5	40 - 140
Endrin Aldehyde [2C]	2.00	1.9	94.0	40 - 140
Endrin Ketone [2C]	2.00	1.2	61.5	40 - 140
Heptachlor [2C]	2.00	1.3	63.3	40 - 140
Heptachlor Epoxide [2C]	2.00	1.4	72.2	40 - 140
Hexachlorobenzene [2C]	2.00	1.6	77.6	40 - 140
Methoxychlor [2C]	2.00	1.7	85.3	40 - 140

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #	% RPD #		QC LIMITS RPD	QC LIMITS REC.
alpha-Chlordane [2C]	2.00	1.6	80.0	12.3		200	0 - 200
gamma-Chlordane [2C]	2.00	1.6	79.7	12.7		200	0 - 200
Alachlor [2C]	2.00	1.5	75.5	33.8	*	20	40 - 140
Aldrin [2C]	2.00	1.1	56.2	4.69		20	40 - 140
alpha-BHC [2C]	2.00	1.9	93.7	17.7		20	40 - 140
beta-BHC [2C]	2.00	1.5	77.0	17.6		20	40 - 140
delta-BHC [2C]	2.00	1.6	80.0	33.4	*	20	40 - 140
gamma-BHC (Lindane) [2C]	2.00	1.7	85.6	20.3	*	20	40 - 140
4,4'-DDD [2C]	2.00	2.0	100	14.8		20	40 - 140
4,4'-DDE [2C]	2.00	1.8	88.8	20.8	*	20	40 - 140

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8081B

Laboratory:	Pace New England	Work Order:	23H0919
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B348522	Laboratory ID:	B348522-BSD1
Column:	2	Initial/Final:	100 mL / 2 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #	% RPD #		QC LIMITS RPD	QC LIMITS REC.
4,4'-DDT [2C]	2.00	2.0	98.6	9.58		20	40 - 140
Dieldrin [2C]	2.00	1.7	87.2	14.2		20	40 - 140
Endosulfan I [2C]	2.00	1.6	82.1	13.2		20	40 - 140
Endosulfan II [2C]	2.00	1.8	88.4	22.3	*	20	40 - 140
Endosulfan Sulfate [2C]	2.00	1.8	88.1	61.5	*	20	40 - 140
Endrin [2C]	2.00	1.9	93.0	14.4		20	40 - 140
Endrin Aldehyde [2C]	2.00	1.9	93.5	0.453		20	40 - 140
Endrin Ketone [2C]	2.00	1.8	87.9	35.3	*	20	40 - 140
Heptachlor [2C]	2.00	1.4	70.0	10.1		20	40 - 140
Heptachlor Epoxide [2C]	2.00	1.6	81.7	12.4		20	40 - 140
Hexachlorobenzene [2C]	2.00	1.7	84.4	8.39		20	40 - 140
Methoxychlor [2C]	2.00	1.9	93.4	9.00		20	40 - 140

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8081B

Laboratory:	Pace New England	Work Order:	23H0919
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	ECD6	Calibration:	2300912
Lab File ID:	F23E208028.D	Calibration Date:	07/27/23 00:00
Sequence:	S091408	Injection Date:	07/27/23
Lab Sample ID:	S091408-ICV1	Injection Time:	22:39

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)	
Chlordane	A	100	113					20	
Chlordane [2C]	A	100	109					20	
Chlordane (1)	A	100	114	1228902	1397000		13.7	20	
Chlordane (1) [2C]	A	100	117	618675.6	725107.4		17.2	20	
Chlordane (2)	A	100	133	1942164	2586000		33.2	20	*
Chlordane (2) [2C]	A	100	132	978998.6	1290000		31.8	20	*
Chlordane (3)	A	100	121	1488282	1798000		20.8	20	*
Chlordane (3) [2C]	A	100	114	790366.9	897254.2		13.5	20	
Chlordane (4)	A	100	101	5139665	5193000		1.0	20	
Chlordane (4) [2C]	A	100	66.7	2642169	1763000		-33.3	20	*
Chlordane (5)	A	100	98.1	1528302	1499000		-1.9	20	
Chlordane (5) [2C]	A	100	118	1811565	2135000		17.9	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8081B

Laboratory:	Pace New England	Work Order:	23H0919
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	ECD6	Calibration:	2300958
Lab File ID:	F23E228003.D	Calibration Date:	08/07/23 00:00
Sequence:	S092170	Injection Date:	08/16/23
Lab Sample ID:	S092170-CCV1	Injection Time:	16:41

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Endrin	A	100	95.5	4.681673E+07	4.4726E+07		-4.5	15	
Endrin [2C]	A	100	108	1.923532E+07	2.0752E+07		7.9	15	
Endrin Aldehyde	A	100	96.7	3.255014E+07	3.1479E+07		-3.3	15	
Endrin Aldehyde [2C]	A	100	110	1.347712E+07	1.4877E+07		10.4	15	
Endrin Ketone	A	100	100	4.764739E+07	4.7634E+07		-0.03	15	
Endrin Ketone [2C]	A	100	108	1.969688E+07	2.1263E+07		8.0	15	
Heptachlor	A	100	86.2	5.46772E+07	4.7112E+07		-13.8	15	
Heptachlor [2C]	A	100	103	2.226199E+07	2.2943E+07		3.1	15	
Heptachlor Epoxide	A	100	87.6	4.764925E+07	4.173E+07		-12.4	15	
Heptachlor Epoxide [2C]	A	100	101	1.999843E+07	2.01E+07		0.5	15	
Hexachlorobenzene	A	100	85.9	4.46801E+07	3.84E+07		-14.1	15	
Hexachlorobenzene [2C]	A	100	126	1.975139E+07	2.4791E+07		25.5	15	*
Methoxychlor	A	100	97.1	2.104534E+07	2.0433E+07		-2.9	15	
Methoxychlor [2C]	A	100	107	8513195	9126000		7.2	15	
Decachlorobiphenyl	A	100	103	4.04385E+07	4.1549E+07		2.7		
Decachlorobiphenyl [2C]	A	100	111	1.720925E+07	1.9046E+07		10.7		
Tetrachloro-m-xylene	A	100	84.4	4.796867E+07	4.05E+07		-15.6		
Tetrachloro-m-xylene [2C]	A	100	101	2.141733E+07	2.1558E+07		0.7		

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

SW-846 8081B

LCS 1307

Lab Sample ID: B348522-BS1 Date(s) Analyzed: 08/16/2023 08/16/2023

Instrument ID (1): ECD6A Instrument ID (2): ECD6B

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	7.084	7.053	7.113	1.6	
	2	6.995	6.966	7.026	1.7	6.1
4,4'-DDE	1	6.651	6.621	6.681	1.5	
	2	6.580	6.551	6.611	1.4	6.9
4,4'-DDT	1	7.293	7.263	7.323	1.6	
	2	7.228	7.199	7.259	1.8	11.8
Alachlor	1	6.102	6.072	6.132	0.88	
	2	5.801	5.771	5.831	1.1	22.2
Aldrin	1	6.004	5.974	6.034	0.90	
	2	5.850	5.821	5.881	1.1	20.0
alpha-BHC	1	5.322	5.293	5.353	1.3	
	2	5.195	5.166	5.226	1.6	20.7
alpha-Chlordane	1	6.592	6.562	6.622	1.3	
	2	6.450	6.420	6.480	1.4	7.4
beta-BHC	1	5.566	5.535	5.595	1.1	
	2	5.446	5.416	5.476	1.3	16.7
delta-BHC	1	5.676	5.646	5.706	1.0	
	2	5.618	5.588	5.648	1.1	9.5
Dieldrin	1	6.859	6.829	6.889	1.3	
	2	6.675	6.645	6.705	1.5	14.3
Endosulfan I	1	6.687	6.656	6.716	1.3	
	2	6.483	6.453	6.513	1.4	7.4
Endosulfan II	1	7.191	7.160	7.220	1.3	
	2	7.044	7.014	7.074	1.4	7.4
Endosulfan Sulfate	1	7.843	7.813	7.873	0.84	
	2	7.511	7.481	7.541	0.93	10.2
Endrin	1	7.026	6.996	7.056	1.5	
	2	6.888	6.858	6.918	1.6	6.5
Endrin Aldehyde	1	7.507	7.477	7.537	1.8	
	2	7.297	7.269	7.329	1.9	5.4
Endrin Ketone	1	8.046	8.016	8.076	1.2	
	2	7.910	7.880	7.940	1.2	0.0
gamma-BHC (Lindane)	1	5.513	5.483	5.543	1.2	
	2	5.395	5.365	5.425	1.4	15.4
gamma-Chlordane	1	6.499	6.468	6.528	1.3	
	2	6.349	6.320	6.380	1.4	7.4
Heptachlor	1	5.810	5.779	5.839	1.1	
	2	5.654	5.624	5.684	1.3	16.7
Heptachlor Epoxide	1	6.412	6.382	6.442	1.3	
	2	6.221	6.191	6.251	1.4	7.4
Hexachlorobenzene	1	5.222	5.192	5.252	1.1	
	2	5.116	5.087	5.147	1.6	37.0

IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

SW-846 8081B

LCS Dup 1309

Lab Sample ID: B348522-BSD1 Date(s) Analyzed: 08/16/2023 08/16/2023

Instrument ID (1): ECD6A Instrument ID (2): ECD6B

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	7.083	7.053	7.113	1.8	
	2	6.996	6.966	7.026	2.0	10.5
4,4'-DDE	1	6.651	6.621	6.681	1.7	
	2	6.580	6.551	6.611	1.8	5.7
4,4'-DDT	1	7.293	7.263	7.323	1.7	
	2	7.228	7.199	7.259	2.0	16.2
Alachlor	1	6.102	6.072	6.132	1.3	
	2	5.801	5.771	5.831	1.5	6.9
Aldrin	1	6.004	5.974	6.034	1.0	
	2	5.851	5.821	5.881	1.1	9.5
alpha-BHC	1	5.323	5.293	5.353	1.7	
	2	5.196	5.166	5.226	1.9	11.1
alpha-Chlordane	1	6.592	6.562	6.622	1.5	
	2	6.450	6.420	6.480	1.6	6.5
beta-BHC	1	5.566	5.535	5.595	1.4	
	2	5.447	5.416	5.476	1.5	6.9
delta-BHC	1	5.676	5.646	5.706	1.5	
	2	5.618	5.588	5.648	1.6	6.5
Dieldrin	1	6.859	6.829	6.889	1.6	
	2	6.675	6.645	6.705	1.7	0.0
Endosulfan I	1	6.687	6.656	6.716	1.6	
	2	6.483	6.453	6.513	1.6	0.0
Endosulfan II	1	7.190	7.160	7.220	1.6	
	2	7.045	7.014	7.074	1.8	11.8
Endosulfan Sulfate	1	7.842	7.813	7.873	1.7	
	2	7.511	7.481	7.541	1.8	5.7
Endrin	1	7.026	6.996	7.056	1.7	
	2	6.888	6.858	6.918	1.9	11.1
Endrin Aldehyde	1	7.507	7.477	7.537	1.8	
	2	7.298	7.269	7.329	1.9	5.4
Endrin Ketone	1	8.046	8.016	8.076	1.6	
	2	7.909	7.880	7.940	1.8	11.8
gamma-BHC (Lindane)	1	5.513	5.483	5.543	1.5	
	2	5.395	5.365	5.425	1.7	12.5
gamma-Chlordane	1	6.499	6.468	6.528	1.5	
	2	6.350	6.320	6.380	1.6	6.5
Heptachlor	1	5.810	5.779	5.839	1.2	
	2	5.654	5.624	5.684	1.4	15.4
Heptachlor Epoxide	1	6.412	6.382	6.442	1.6	
	2	6.221	6.191	6.251	1.6	0.0
Hexachlorobenzene	1	5.222	5.192	5.252	1.2	
	2	5.117	5.087	5.147	1.7	34.5

IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

SW-846 8081B

Matrix Spike 1311

Lab Sample ID: B348522-MS1 Date(s) Analyzed: 08/17/2023 08/17/2023

Instrument ID (1): ECD6A Instrument ID (2): ECD6B

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	7.079	7.050	7.110	2.0	
	2	6.993	6.964	7.024	2.2	9.5
4,4'-DDE	1	6.647	6.618	6.678	1.7	
	2	6.578	6.548	6.608	1.9	5.4
4,4'-DDT	1	7.288	7.260	7.320	1.9	
	2	7.226	7.197	7.257	2.0	5.1
Alachlor	1	6.099	6.068	6.128	1.4	
	2	5.799	5.769	5.829	1.7	19.4
Aldrin	1	6.002	5.972	6.032	1.2	
	2	5.849	5.819	5.879	1.3	8.0
alpha-BHC	1	5.321	5.291	5.351	1.8	
	2	5.195	5.165	5.225	2.0	10.5
beta-BHC	1	5.564	5.533	5.593	1.5	
	2	5.445	5.415	5.475	1.6	6.5
delta-BHC	1	5.673	5.643	5.703	1.6	
	2	5.616	5.587	5.647	1.7	6.1
Dieldrin	1	6.855	6.825	6.885	1.7	
	2	6.672	6.643	6.703	1.8	5.7
Endosulfan I	1	6.684	6.653	6.713	1.6	
	2	6.481	6.452	6.512	1.7	6.1
Endosulfan II	1	7.187	7.157	7.217	1.8	
	2	7.042	7.013	7.073	1.9	5.4
Endosulfan Sulfate	1	7.838	7.809	7.869	1.7	
	2	7.509	7.479	7.539	1.9	11.1
Endrin	1	7.023	6.993	7.053	1.8	
	2	6.885	6.856	6.916	2.0	10.5
Endrin Aldehyde	1	7.502	7.470	7.530	2.2	
	2	7.294	7.262	7.322	2.3	4.4
Endrin Ketone	1	8.042	8.013	8.073	1.8	
	2	7.907	7.878	7.938	1.9	5.4
gamma-BHC (Lindane)	1	5.511	5.481	5.541	1.7	
	2	5.394	5.364	5.424	1.9	11.1
Heptachlor	1	5.807	5.777	5.837	1.3	
	2	5.653	5.623	5.683	1.5	14.3
Heptachlor Epoxide	1	6.410	6.379	6.439	1.6	
	2	6.219	6.189	6.249	1.7	6.1
Hexachlorobenzene	1	5.220	5.190	5.250	1.4	
	2	5.115	5.086	5.146	1.9	30.3
Methoxychlor	1	7.668	7.638	7.698	1.8	
	2	7.770	7.740	7.800	1.9	5.4

IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

SW-846 8081B

Matrix Spike Dup 1312

Lab Sample ID: B348522-MSD1 Date(s) Analyzed: 08/17/2023 08/17/2023

Instrument ID (1): ECD6A Instrument ID (2): ECD6B

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	7.079	7.050	7.110	1.7	
	2	6.993	6.964	7.024	1.9	11.1
4,4'-DDE	1	6.647	6.618	6.678	1.5	
	2	6.577	6.548	6.608	1.6	6.5
4,4'-DDT	1	7.289	7.260	7.320	1.6	
	2	7.226	7.197	7.257	1.7	6.1
Alachlor	1	6.098	6.068	6.128	1.3	
	2	5.799	5.769	5.829	1.6	20.7
Aldrin	1	6.001	5.972	6.032	1.1	
	2	5.849	5.819	5.879	1.2	8.7
alpha-BHC	1	5.320	5.291	5.351	1.7	
	2	5.194	5.165	5.225	1.9	11.1
beta-BHC	1	5.563	5.533	5.593	1.3	
	2	5.445	5.415	5.475	1.5	6.9
delta-BHC	1	5.673	5.643	5.703	1.5	
	2	5.616	5.587	5.647	1.6	6.5
Dieldrin	1	6.854	6.825	6.885	1.4	
	2	6.672	6.643	6.703	1.6	6.5
Endosulfan I	1	6.683	6.653	6.713	1.4	
	2	6.481	6.452	6.512	1.5	6.9
Endosulfan II	1	7.186	7.157	7.217	1.5	
	2	7.042	7.013	7.073	1.6	6.5
Endosulfan Sulfate	1	7.839	7.809	7.869	1.6	
	2	7.508	7.479	7.539	1.7	6.1
Endrin	1	7.022	6.993	7.053	1.5	
	2	6.885	6.856	6.916	1.7	12.5
Endrin Aldehyde	1	7.503	7.470	7.530	2.0	
	2	7.294	7.262	7.322	2.1	4.9
Endrin Ketone	1	8.043	8.013	8.073	1.6	
	2	7.907	7.878	7.938	1.7	6.1
gamma-BHC (Lindane)	1	5.511	5.481	5.541	1.6	
	2	5.394	5.364	5.424	1.8	11.8
Heptachlor	1	5.807	5.777	5.837	1.3	
	2	5.652	5.623	5.683	1.4	7.4
Heptachlor Epoxide	1	6.409	6.379	6.439	1.4	
	2	6.219	6.189	6.249	1.6	6.5
Hexachlorobenzene	1	5.220	5.190	5.250	1.3	
	2	5.115	5.086	5.146	1.8	32.3
Methoxychlor	1	7.668	7.638	7.698	1.6	
	2	7.769	7.740	7.800	1.7	6.1

1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Pace New England			Work Order:	23H0919
Client:	NYDEC_TRC Engineers, Inc. - New York, NY		Project:	250 Water Street P-site CAT B - CO 147098	
Matrix:	Water	Laboratory ID:	B348522-BLK1	File ID:	F23E228012.D
Sampled:		Prepared:	08/09/23 12:13	Analyzed:	08/16/23 18:50
Solids:		Preparation:	SW-846 3510C	Dilution:	
Initial/Final:	100 mL / 2 mL				
Batch:	B348522	Sequence:	S092170	Calibration:	2300958
Instrument:	ECD6				
Column:	1				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
5103-71-9	alpha-Chlordane		0.0057	0.050	
5103-74-2	gamma-Chlordane		0.0070	0.050	
15972-60-8	Alachlor		0.038	0.20	R-05
309-00-2	Aldrin		0.0072	0.050	
319-84-6	alpha-BHC		0.0037	0.050	R-05
319-85-7	beta-BHC		0.0083	0.050	R-05
319-86-8	delta-BHC		0.0059	0.050	R-05
58-89-9	gamma-BHC (Lindane)		0.0041	0.030	R-05
57-74-9	Chlordane		0.034	0.20	
72-54-8	4,4'-DDD		0.0042	0.040	
72-55-9	4,4'-DDE		0.0050	0.040	
50-29-3	4,4'-DDT		0.0061	0.040	
60-57-1	Dieldrin		0.0010	0.0020	R-05
959-98-8	Endosulfan I		0.0052	0.050	
33213-65-9	Endosulfan II		0.0038	0.080	R-05
1031-07-8	Endosulfan Sulfate		0.0064	0.080	R-05
72-20-8	Endrin		0.0041	0.080	
7421-93-4	Endrin Aldehyde		0.0044	0.080	
53494-70-5	Endrin Ketone		0.0039	0.080	R-05
76-44-8	Heptachlor		0.0061	0.050	
1024-57-3	Heptachlor Epoxide		0.0069	0.050	
118-74-1	Hexachlorobenzene	0.052	0.028	0.050	
72-43-5	Methoxychlor		0.010	0.50	
8001-35-2	Toxaphene		0.67	1.0	

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

250WATERST-MW3-WG

Laboratory:	Pace New England	Work Order:	23H0919
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Water	Analysis:	SW-846 8082A
Batch:	B348521	Preparation:	SW-846 3510C
% Solids:		Laboratory ID:	B348521-MS1
Initial/Final:	102 mL / 2 mL	Sample Lab ID:	23H0919-03
Column:	1		

ANALYTE	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	MS CONCENTRATION (µg/L)	MS % REC.	QC LIMITS REC.
Aroclor-1016	0.980	ND	0.70	70.9	40 - 140
Aroclor-1260	0.980	ND	0.60	61.6	40 - 140

ANALYTE	SPIKE ADDED (µg/L)	MSD CONCENTRATION (µg/L)	MSD % REC. #	% RPD	QC LIMITS RPD	QC LIMITS REC.
Aroclor-1016	0.952	0.91	95.9	27.1	50	40 - 140
Aroclor-1260	0.952	0.85	89.2	33.8	50	40 - 140

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

250WATERST-MW3-WG

Laboratory:	Pace New England	Work Order:	23H0919
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Water	Analysis:	SW-846 8082A
Batch:	B348521	Preparation:	SW-846 3510C
% Solids:		Laboratory ID:	B348521-MS1
Initial/Final:	102 mL / 2 mL	Sample Lab ID:	23H0919-03
Column:	2		

ANALYTE	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	MS CONCENTRATION (µg/L)	MS % REC.	QC LIMITS REC.
Aroclor-1016 [2C]	0.980	ND	0.58	58.8	40 - 140
Aroclor-1260 [2C]	0.980	ND	0.56	57.3	40 - 140

ANALYTE	SPIKE ADDED (µg/L)	MSD CONCENTRATION (µg/L)	MSD % REC. #	% RPD	QC LIMITS RPD	QC LIMITS REC.
Aroclor-1016 [2C]	0.952	0.85	88.9	38.0	50	40 - 140
Aroclor-1260 [2C]	0.952	0.73	76.6	26.0	50	40 - 140

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8082A

Laboratory:	Pace New England	Work Order:	23H0919
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	ECD4	Calibration:	2300946
Lab File ID:	D23E215066.d	Calibration Date:	08/03/23 00:00
Sequence:	S091592	Injection Date:	08/07/23
Lab Sample ID:	S091592-ICV1	Injection Time:	12:20

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)	
Aroclor-1232	A	100	103				3.3	20	
Aroclor-1232 (1)	A	100	102	94753.24	97024.47		2.4	20	
Aroclor-1232 (2)	A	100	107	279586.6	298766.6		6.9	20	
Aroclor-1232 (3)	A	100	110	185093.6	204114.1		10.3	20	
Aroclor-1232 (4)	A	100	97.4	147253.5	143449.2		-2.6	20	
Aroclor-1232 (5)	A	100	99.5	139797	139067.6		-0.5	20	
Aroclor-1232 [2C]	A	100	97.0				-3.0	20	
Aroclor-1232 (1) [2C]	A	100	103	130498.6	134577.5		3.1	20	
Aroclor-1232 (2) [2C]	A	100	102	255343.9	259770.1		1.7	20	
Aroclor-1232 (3) [2C]	A	100	91.1	139445.2	126976.8		-8.9	20	
Aroclor-1232 (4) [2C]	A	100	95.2	201369.1	191737.6		-4.8	20	
Aroclor-1232 (5) [2C]	A	100	94.0	209995.9	197352.5		-6.0	20	
Aroclor-1268	A	100	117				16.8	20	
Aroclor-1268 (1)	A	100	107	1772415	1898000		7.1	20	
Aroclor-1268 (2)	A	100	109	1649692	1796000		8.9	20	
Aroclor-1268 (3)	A	100	95.3	1542290	1469000		-4.7	20	
Aroclor-1268 (4)	A	100	151	436329.7	660383.8		51.4	20	*
Aroclor-1268 (5)	A	100	122	3886725	4726000		21.6	20	*
Aroclor-1268 [2C]	A	100	115				14.8	20	
Aroclor-1268 (1) [2C]	A	100	106	2320829	2470000		6.4	20	
Aroclor-1268 (2) [2C]	A	100	107	2119575	2271000		7.2	20	
Aroclor-1268 (3) [2C]	A	100	95.1	1979251	1882000		-4.9	20	
Aroclor-1268 (4) [2C]	A	100	145	565392.2	821724.2		45.3	20	*
Aroclor-1268 (5) [2C]	A	100	120	4785257	5753000		20.2	20	*

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8082A

Laboratory:	Pace New England	Work Order:	23H0919
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	ECD3	Calibration:	2300955
Lab File ID:	C23E219019.d	Calibration Date:	08/07/23 00:00
Sequence:	S091673	Injection Date:	08/07/23
Lab Sample ID:	S091673-ICV1	Injection Time:	19:37

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)	
Aroclor-1016	A	100	92.6				-7.4	20	
Aroclor-1016 (1)	A	100	99.5	515316.5	512622		-0.5	20	
Aroclor-1016 (2)	A	100	93.6	1141670	1068000		-6.4	20	
Aroclor-1016 (3)	A	100	93.0	709933.4	660292		-7.0	20	
Aroclor-1016 (4)	A	100	95.1	1182868	1125000		-4.9	20	
Aroclor-1016 (5)	A	100	82.0	583231.7	478399.8		-18.0	20	
Aroclor-1016 [2C]	A	100	91.1				-8.9	20	
Aroclor-1016 (1) [2C]	A	100	91.5	311618.8	285255.3		-8.5	20	
Aroclor-1016 (2) [2C]	A	100	91.2	643363.9	586773		-8.8	20	
Aroclor-1016 (3) [2C]	A	100	89.4	385044.7	344385.9		-10.6	20	
Aroclor-1016 (4) [2C]	A	100	93.6	336097	314631.3		-6.4	20	
Aroclor-1016 (5) [2C]	A	100	89.6	501714.7	449599		-10.4	20	
Aroclor-1260	A	100	85.0				-15.0	20	
Aroclor-1260 (1)	A	100	82.9	1697711	1407000		-17.1	20	
Aroclor-1260 (2)	A	100	84.5	2543759	2149000		-15.5	20	
Aroclor-1260 (3)	A	100	85.6	1610113	1378000		-14.4	20	
Aroclor-1260 (4)	A	100	86.8	1707499	1481000		-13.2	20	
Aroclor-1260 (5)	A	100	85.4	3672080	3137000		-14.6	20	
Aroclor-1260 [2C]	A	100	80.2				-19.8	20	
Aroclor-1260 (1) [2C]	A	100	78.0	992083.4	773619.2		-22.0	20	*
Aroclor-1260 (2) [2C]	A	100	80.4	1148487	923640.2		-19.6	20	
Aroclor-1260 (3) [2C]	A	100	81.4	876847.2	713468.5		-18.6	20	
Aroclor-1260 (4) [2C]	A	100	79.3	965057.9	765123.6		-20.7	20	*
Aroclor-1260 (5) [2C]	A	100	82.2	2079795	1709000		-17.8	20	
Decachlorobiphenyl	A	100	91.5	2.486597E+07	2.2744E+07		-8.5		
Decachlorobiphenyl [2C]	A	100	88.8	1.371896E+07	1.2181E+07		-11.2		
Tetrachloro-m-xylene	A	100	98.6	3.240127E+07	3.1961E+07		-1.4		
Tetrachloro-m-xylene [2C]	A	100	98.2	1.732118E+07	1.7009E+07		-1.8		

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8082A

Laboratory:	Pace New England	Work Order:	23H0919
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	ECD3	Calibration:	2300955
Lab File ID:	C23E219046.d	Calibration Date:	08/07/23 00:00
Sequence:	S091676	Injection Date:	08/08/23
Lab Sample ID:	S091676-ICV1	Injection Time:	01:04

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)	
Aroclor-1242	A	100	87.3				-12.7	20	
Aroclor-1242 (1)	A	100	88.5	450335	398382.6		-11.5	20	
Aroclor-1242 (2)	A	100	87.7	987526.9	866234.9		-12.3	20	
Aroclor-1242 (3)	A	100	87.7	611482.2	535966.6		-12.3	20	
Aroclor-1242 (4)	A	100	85.4	1058013	903224.8		-14.6	20	
Aroclor-1242 (5)	A	100	87.5	725849	634906		-12.5	20	
Aroclor-1242 [2C]	A	100	84.1				-15.9	20	
Aroclor-1242 (1) [2C]	A	100	89.3	256433.9	228880.9		-10.7	20	
Aroclor-1242 (2) [2C]	A	100	83.9	543027.1	455513		-16.1	20	
Aroclor-1242 (3) [2C]	A	100	79.6	299076.2	237997.5		-20.4	20	*
Aroclor-1242 (4) [2C]	A	100	83.2	436811.1	363636.2		-16.8	20	
Aroclor-1242 (5) [2C]	A	100	84.4	491510.7	414601.6		-15.6	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8082A

Laboratory:	Pace New England	Work Order:	23H0919
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	ECD3	Calibration:	2300955
Lab File ID:	C23E219055.d	Calibration Date:	08/07/23 00:00
Sequence:	S091677	Injection Date:	08/08/23
Lab Sample ID:	S091677-ICV1	Injection Time:	02:53

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)	
Aroclor-1232	A	100	89.4				-10.6	20	
Aroclor-1232 (1)	A	100	93.8	253161.5	237394.5		-6.2	20	
Aroclor-1232 (2)	A	100	90.3	556223.1	502388		-9.7	20	
Aroclor-1232 (3)	A	100	93.9	340469.7	319707.5		-6.1	20	
Aroclor-1232 (4)	A	100	83.4	277258	231247		-16.6	20	
Aroclor-1232 (5)	A	100	85.5	390445.8	333770.3		-14.5	20	
Aroclor-1232 [2C]	A	100	85.6				-14.4	20	
Aroclor-1232 (1) [2C]	A	100	91.0	154606.4	140661.5		-9.0	20	
Aroclor-1232 (2) [2C]	A	100	81.3	159225.7	129431.8		-18.7	20	
Aroclor-1232 (3) [2C]	A	100	86.1	226409.7	194992.8		-13.9	20	
Aroclor-1232 (4) [2C]	A	100	87.5	263698.2	230626.5		-12.5	20	
Aroclor-1232 (5) [2C]	A	100	82.2	272323	223826.8		-17.8	20	
Aroclor-1268	A	100	103				3.2	20	
Aroclor-1268 (1)	A	100	94.2	4819494	4540000		-5.8	20	
Aroclor-1268 (2)	A	100	96.8	4440277	4299000		-3.2	20	
Aroclor-1268 (3)	A	100	85.1	4157813	3537000		-14.9	20	
Aroclor-1268 (4)	A	100	135	1165622	1570000		34.7	20	*
Aroclor-1268 (5)	A	100	105	1.011117E+07	1.0652E+07		5.3	20	
Aroclor-1268 [2C]	A	100	101				1.4	20	
Aroclor-1268 (1) [2C]	A	100	93.9	2471265	2320000		-6.1	20	
Aroclor-1268 (2) [2C]	A	100	94.2	2303126	2170000		-5.8	20	
Aroclor-1268 (3) [2C]	A	100	82.5	2173644	1794000		-17.5	20	
Aroclor-1268 (4) [2C]	A	100	128	636775.4	815644.5		28.1	20	*
Aroclor-1268 (5) [2C]	A	100	108	4935475	5336000		8.1	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8082A

Laboratory:	Pace New England	Work Order:	23H0919
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	ECD3	Calibration:	2300955
Lab File ID:	C23E219064.d	Calibration Date:	08/07/23 00:00
Sequence:	S091678	Injection Date:	08/08/23
Lab Sample ID:	S091678-ICV1	Injection Time:	04:42

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)	
Aroclor-1221	A	100	85.5				-14.5	20	
Aroclor-1221 (1)	A	100	86.7	393947.7	341707.4		-13.3	20	
Aroclor-1221 (2)	A	100	63.2	1361626	860380.6		-36.8	20	*
Aroclor-1221 (3)	A	100	106	103466.9	110183.7		6.5	20	
Aroclor-1221 (4)	A	100	0.00					20	
Aroclor-1221 (5)	A	100	0.00					20	
Aroclor-1221 [2C]	A	100	83.4				-16.6	20	
Aroclor-1221 (1) [2C]	A	100	89.8	149286.4	134054		-10.2	20	
Aroclor-1221 (2) [2C]	A	100	83.5	573159	478605.2		-16.5	20	
Aroclor-1221 (3) [2C]	A	100	77.0	67905.97	52305.54		-23.0	20	*
Aroclor-1221 (4) [2C]	A	100	0.00					20	
Aroclor-1221 (5) [2C]	A	100	0.00					20	
Aroclor-1262	A	100	82.4				-17.6	20	
Aroclor-1262 (1)	A	100	79.1	1419219	1122000		-20.9	20	*
Aroclor-1262 (2)	A	100	76.4	1986466	1517000		-23.6	20	*
Aroclor-1262 (3)	A	100	87.7	2180520	1913000		-12.3	20	
Aroclor-1262 (4)	A	100	86.8	2028466	1761000		-13.2	20	
Aroclor-1262 (5)	A	100	81.9	4332723	3547000		-18.1	20	
Aroclor-1262 [2C]	A	100	81.8				-18.2	20	
Aroclor-1262 (1) [2C]	A	100	81.2	772704.2	627155.8		-18.8	20	
Aroclor-1262 (2) [2C]	A	100	77.0	912571.5	703078.8		-23.0	20	*
Aroclor-1262 (3) [2C]	A	100	85.3	1128232	962796.3		-14.7	20	
Aroclor-1262 (4) [2C]	A	100	85.1	1099612	935316.2		-14.9	20	
Aroclor-1262 (5) [2C]	A	100	80.3	2250643	1807000		-19.7	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

INITIAL AND CONTINUING CALIBRATION CHECK

SW-846 6010D

Laboratory:	Pace New England	Work Order:	23H0919
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	ICP2	Calibration:	2300997
		Sequence:	S092143

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
S092143-CCV1	**Manganese**	**10.0**	**5.11**	**51.1**	**mg/L**	+/- 10.00%
	Selenium	**10.0**	**4.91**	**49.1**	**mg/L**	+/- 10.00%
	Vanadium	**10.0**	**5.10**	**51.0**	**mg/L**	+/- 10.00%
S092143-CCV2	Manganese	5.00	5.14	103	mg/L	+/- 10.00%
	Selenium	5.00	4.97	99.5	mg/L	+/- 10.00%
	Vanadium	5.00	5.12	102	mg/L	+/- 10.00%
S092143-CCV3	Manganese	5.00	5.16	103	mg/L	+/- 10.00%
	Selenium	5.00	4.92	98.5	mg/L	+/- 10.00%
	Vanadium	5.00	5.09	102	mg/L	+/- 10.00%

LOW-CONCENTRATION CALIBRATION VERIFICATION

2016

SW-846 6010D

Laboratory: Pace New England

SDG: 23H0919

Client: NYDEC_TRC Engineers, Inc. - New York, NY

Project: 250 Water Street P-site CAT B - CO 147098

Calibration: 2300997

Laboratory ID: S092125-LCV1

Sequence: S092125

Standard ID: 2305770

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Aluminum	0.0500	0.0533	6.5	20.00
Antimony	0.0500	0.0462	-7.6	20.00
Barium	0.0500	0.0563	12.6	20.00
Beryllium	0.00400	0.00440	10.1	20.00
Cadmium	0.00400	0.00449	12.4	20.00
Calcium	0.500	0.527	5.5	20.00
Chromium	0.0100	0.0113	13.5	20.00
Cobalt	0.0100	0.0109	8.8	20.00
Iron	0.0500	0.0523	4.6	20.00
Magnesium	0.0500	0.0538	7.6	20.00
Manganese	0.0100	0.0114	13.9	20.00
Nickel	0.0100	0.0113	13.1	20.00
Potassium	2.00	1.89	-5.5	20.00
Selenium	0.0500	0.0556	11.1	20.00
Thallium	0.0500	0.0562	12.5	20.00

* Values outside of QC limits

LOW-CONCENTRATION CALIBRATION VERIFICATION

SW-846 6010D

Laboratory: Pace New England
SDG: 23H0919
Client: NYDEC_TRC Engineers, Inc. - New York, NY
Project: 250 Water Street P-site CAT B - CO 147098
Calibration: 2300997
Laboratory ID: S092125-LCV2
Sequence: S092125
Standard ID: 2308246

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Vanadium	0.0100	0.0111	11.0	20.00

* Values outside of QC limits

FORM 3 - Blank Summary

SW-846 6010D

Laboratory:	Pace New England	Work Order:	23H0919
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	ICP2	Calibration:	2300959
Sequence:	S091771		

Lab Sample ID	Analyte	Found	Units	RL	C
B348248-BLK1	Potassium		mg/L	2.0	U
	Silver	0.0035	mg/L	0.010	J
	Sodium		mg/L	2.0	U
	Thallium		mg/L	0.050	U
	Zinc		mg/L	0.010	U
S091771-CCB2	Aluminum		mg/L	0.050	U
	Antimony		mg/L	0.050	U
	Arsenic		mg/L	0.010	U
	Barium		mg/L	0.050	U
	Beryllium		mg/L	0.0040	U
	Cadmium		mg/L	0.0040	U
	Calcium		mg/L	0.50	U
	Chromium		mg/L	0.010	U
	Cobalt		mg/L	0.010	U
	Copper		mg/L	0.010	U
	Iron		mg/L	0.050	U
	Lead		mg/L	0.010	U
	Magnesium		mg/L	0.050	U
	Nickel		mg/L	0.010	U
	Potassium		mg/L	2.0	U
	Silver	0.0037	mg/L	0.010	
	Sodium		mg/L	2.0	U
	Thallium		mg/L	0.050	U
	Zinc		mg/L	0.010	U
S091771-CCB3	Aluminum		mg/L	0.050	U
	Antimony		mg/L	0.050	U
	Arsenic		mg/L	0.010	U
	Barium		mg/L	0.050	U
	Beryllium		mg/L	0.0040	U
	Cadmium		mg/L	0.0040	U
	Calcium		mg/L	0.50	U
	Chromium		mg/L	0.010	U
	Cobalt		mg/L	0.010	U

FORM 3 - Blank Summary

SW-846 6010D

Laboratory:	Pace New England	Work Order:	23H0919
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	ICP2	Calibration:	2300959
Sequence:	S091771		

Lab Sample ID	Analyte	Found	Units	RL	C
S091771-CCB3	Copper		mg/L	0.010	U
	Iron		mg/L	0.050	U
	Lead		mg/L	0.010	U
	Magnesium		mg/L	0.050	U
	Nickel		mg/L	0.010	U
	Potassium		mg/L	2.0	U
	Silver	0.0036	mg/L	0.010	
	Sodium		mg/L	2.0	U
	Thallium		mg/L	0.050	U
	Zinc		mg/L	0.010	U
S091771-CCB4	Aluminum		mg/L	0.050	U
	Antimony		mg/L	0.050	U
	Arsenic		mg/L	0.010	U
	Barium		mg/L	0.050	U
	Beryllium		mg/L	0.0040	U
	Cadmium		mg/L	0.0040	U
	Calcium		mg/L	0.50	U
	Chromium		mg/L	0.010	U
	Cobalt		mg/L	0.010	U
	Copper		mg/L	0.010	U
	Iron		mg/L	0.050	U
	Lead		mg/L	0.010	U
	Magnesium		mg/L	0.050	U
	Nickel		mg/L	0.010	U
	Potassium		mg/L	2.0	U
	Silver	0.0038	mg/L	0.010	
	Sodium		mg/L	2.0	U
	Thallium		mg/L	0.050	U
	Zinc		mg/L	0.010	U

INITIAL AND CONTINUING CALIBRATION CHECK

SW-846 6010D

Laboratory:	Pace New England	Work Order:	23H0919
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	ICP2	Calibration:	2301002
		Sequence:	S092213

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
S092213-CCV1	**Arsenic (dissolved)**	**10.0**	**4.97**	**49.7**	**mg/L**	+/- 10.00%
	Calcium (dissolved)	**20.0**	**9.89**	**49.4**	**mg/L**	+/- 10.00%
	Lead (dissolved)	**10.0**	**5.04**	**50.4**	**mg/L**	+/- 10.00%
	Selenium (dissolved)	**10.0**	**4.99**	**49.9**	**mg/L**	+/- 10.00%
	Sodium (dissolved)	**20.0**	**9.45**	**47.2**	**mg/L**	+/- 10.00%
	Thallium (dissolved)	**5.00**	**2.43**	**48.6**	**mg/L**	+/- 10.00%
	Zinc (dissolved)	**10.0**	**5.08**	**50.8**	**mg/L**	+/- 10.00%
S092213-CCV2	Arsenic (dissolved)	5.00	4.97	99.5	mg/L	+/- 10.00%
	Calcium (dissolved)	10.0	9.85	98.5	mg/L	+/- 10.00%
	Lead (dissolved)	5.00	5.08	102	mg/L	+/- 10.00%
	Selenium (dissolved)	5.00	5.01	100	mg/L	+/- 10.00%
	Sodium (dissolved)	10.0	9.86	98.6	mg/L	+/- 10.00%
	Thallium (dissolved)	2.50	2.52	101	mg/L	+/- 10.00%
	Zinc (dissolved)	5.00	5.07	101	mg/L	+/- 10.00%

LOW-CONCENTRATION CALIBRATION VERIFICATION

SW-846 6010D

Laboratory: Pace New England
SDG: 23H0919
Client: NYDEC_TRC Engineers, Inc. - New York, NY
Project: 250 Water Street P-site CAT B - CO 147098
Calibration: 2300965
Laboratory ID: S091822-LCV1
Sequence: S091822
Standard ID: 2305770

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Aluminum (dissolved)	0.0500	0.0559	11.7	20.00
Antimony (dissolved)	0.0500	0.0509	1.9	20.00
Barium (dissolved)	0.0500	0.0548	9.7	20.00
Beryllium (dissolved)	0.00400	0.00423	5.8	20.00
Cadmium (dissolved)	0.00400	0.00479	19.8	20.00
Calcium (dissolved)	0.500	0.515	3.0	20.00
Chromium (dissolved)	0.0100	0.0111	10.7	20.00
Cobalt (dissolved)	0.0100	0.0114	14.4	20.00
Copper (dissolved)	0.0100	0.0113	13.1	20.00
Iron (dissolved)	0.0500	0.0557	11.3	20.00
Lead (dissolved)	0.0100	0.0118	18.2	20.00
Magnesium (dissolved)	0.0500	0.0517	3.5	20.00
Manganese (dissolved)	0.0100	0.0108	8.0	20.00
Nickel (dissolved)	0.0100	0.0111	10.5	20.00
Potassium (dissolved)	2.00	2.11	5.4	20.00
Silver (dissolved)	0.0100	0.0113	12.5	20.00
Vanadium (dissolved)	0.0100	0.00916	-8.4	20.00

* Values outside of QC limits

LOW-CONCENTRATION CALIBRATION VERIFICATION

SW-846 6010D

Laboratory: Pace New England
SDG: 23H0919
Client: NYDEC_TRC Engineers, Inc. - New York, NY
Project: 250 Water Street P-site CAT B - CO 147098
Calibration: 2301002
Laboratory ID: S092168-LCV1
Sequence: S092168
Standard ID: 2305770

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Aluminum (dissolved)	0.0500	0.0567	13.4	20.00
Antimony (dissolved)	0.0500	0.0443	-11.3	20.00
Barium (dissolved)	0.0500	0.0553	10.5	20.00
Beryllium (dissolved)	0.00400	0.00452	13.0	20.00
Cadmium (dissolved)	0.00400	0.00456	13.9	20.00
Calcium (dissolved)	0.500	0.534	6.7	20.00
Chromium (dissolved)	0.0100	0.0114	14.1	20.00
Cobalt (dissolved)	0.0100	0.0109	8.9	20.00
Iron (dissolved)	0.0500	0.0538	7.6	20.00
Magnesium (dissolved)	0.0500	0.0541	8.2	20.00
Manganese (dissolved)	0.0100	0.0111	11.4	20.00
Nickel (dissolved)	0.0100	0.0114	13.8	20.00
Selenium (dissolved)	0.0500	0.0558	11.6	20.00
Sodium (dissolved)	2.00	1.91	-4.7	20.00
Thallium (dissolved)	0.0500	0.0511	2.1	20.00
Vanadium (dissolved)	0.0100	0.0116	15.8	20.00
Zinc (dissolved)	0.0100	0.0112	12.2	20.00

* Values outside of QC limits

LOW-CONCENTRATION CALIBRATION VERIFICATION

SW-846 6010D

Laboratory: Pace New England
SDG: 23H0919
Client: NYDEC_TRC Engineers, Inc. - New York, NY
Project: 250 Water Street P-site CAT B - CO 147098
Calibration: 2301002
Laboratory ID: S092168-LCV2
Sequence: S092168
Standard ID: 2308246

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Arsenic (dissolved)	0.0100	0.00846	-15.4	20.00
Copper (dissolved)	0.0100	0.0111	10.9	20.00
Lead (dissolved)	0.0100	0.0106	5.8	20.00

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

250WATERST-DUP-WG-20230802

Laboratory:	Pace New England	SDG:	23H0919
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Ground Water	Laboratory ID:	23H0919-05
Sampled:	08/02/23 00:00		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
57-12-5	Cyanide		0.0070	0.010	1		B348424	08/11/23 07:04	SW-846 9014
57-12-5	Cyanide (dissolved)		0.0070	0.010	1	H-15	B348882	08/16/23 06:27	SW-846 9014

Data Usability Summary Report

Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

250 Water St., Manhattan, NY
Pace/Con-Test Analytical Laboratory SDG#23K2925
April 1, 2024
Sampling date: 11/21/2023

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for TRC Engineers, Inc., project located at 250 Water St., Manhattan, NY, SDG#23K2925 submitted to Vali-Data of WNY, LLC on January 8, 2024. This DUSR has been prepared in general compliance with USEPA National Functional Guidelines(NFG) and NYSDEC Analytical Services Protocols. The laboratory performed the analyses using USEPA method Volatile Organics (8260D), Semi-Volatile Organics (8270E), Pesticide (8081B), PCB (8082A), Inorganics/Mercury (6010D, 7470A) and in accordance with wet chemistry methods.

ID	Sample ID	Laboratory ID
1	250WATERST-MW1-WG	23K2925-01
2	250WATERST-MW2-WG	23K2925-02
3	250WATERST-MW3-WG	23K2925-03
4	250WATERST-MW4-WG	23K2925-04
5	250WATERST-DUP-WG-20230802	23K2925-05
6	250WATERST-EB-20230802	23K2925-06
7	250WATERST-TB-20230802	23K2925-07

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Internal Standard (IS) Area Performance
-Surrogate Spike Recoveries
-Method Blank
-Field Duplicate Sample Precision
-Laboratory Control Samples
-MS/MSD
-Compound Quantitation
-Initial Calibration
-Continuing Calibration
-GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Initial Calibration and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met.
The %Rec of a couple of target analytes was outside QC limits, high in the matrix spikes. These target analytes were not detected in the associated sample, so no further action is required.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met except a target analyte was outside QC limit in the initial calibration and/or the initial calibration verification and should be qualified as estimated in the associated samples, blanks and spikes.

ICal/ICV ID	Target Analyte	%D/RRF	Qualifier	Associated Sample
ICal/ICV GCMSVOA3	1,4-Dioxane	RRF	UJ/J	B359033, 1-7, 4MS/MSD

CONTINUING CALIBRATION
All criteria were met except a target analyte was outside QC limits in the continuing calibration and should be qualified as estimated in the associated samples, blanks and spikes.

Ccal ID	Target Analyte	%D/RRF	Qualifier	Associated Sample
S096884-CCV1	1,4-Dioxane	RRF	UJ/J	B359033, 1-7, 4MS/MSD

Some target analytes were outside laboratory QC limits but within NFG QC limits, so no further action is required.

GC/MS PERFORMANCE CHECK
All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Data Completeness, Laboratory Control Samples and MS/MSD.

DATA COMPLETENESS
All criteria were met except the raw data for the continuing calibration file #S097154-CCV1 and S097189-CCV1 were not included. Form 7, 'Continuing Calibration Verification' was included. The target analyte, 1,4-Dioxane should be qualified as estimated in B358992, DUSR ID#1-6 and #4MS/MSD due to lack of raw continuing calibration data.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All the criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met except several target analytes were outside QC limits in the laboratory control samples and should be qualified as estimated.

LCS ID	Target Analyte	%Rec LCS	%Rec LCSD	RPD	Qualifier	Associated Sample
B359140	Caprolactam	23.1	23.8	-	UJ	1-6
B359140	Benzaldehyde	33.4	32.8	-	UJ	1-6
B359140	Di-n-octylphthalate	-	-	22.2	UJ	1-6

MS/MSD
All the criteria were met except several target analytes were outside QC limits in the matrix spikes and should be qualified as estimated.

Target Analyte	%Rec #4MS	%Rec #4MSD	RPD	Qualifier	Associated Samples
Caprolactam	21.4	27.2	-	UJ	4
4,6-Dinitro-2-methylphenol	-	-	32.6	UJ	4
2,4-Dinitrophenol	-	-	63.6	UJ	4

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Some target analytes were outside laboratory QC limits but within NFG QC limits, so no further action is required.

CONTINUING CALIBRATION
All criteria were met.
Some target analytes were outside laboratory QC limits but within NFG QC limits, so no further action is required.

GC/MS PERFORMANCE CHECK
All criteria were met.

PESTICIDES

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Surrogate Spike Recoveries, Laboratory Control Samples, MS/MSD and Initial Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of TCMX was outside QC limits, low off column 2 in B359088-BLK1 and should be qualified as estimated. All target analytes in this blank off this column should be qualified as estimated.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All the criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met except the %Rec of Aldrin was outside QC limits off column 2 in B359088-BS1/BSD1 and should be qualified as estimated. This column was not prime, so no further action is required.
The RPD of 4,4'-DDE, 4,4'-DDT, Alachlor, Aldrin, beta-BHC, delta-BHC, Endosulfan I, Endosulfan II, gamma-BHC, Heptachlor, Heptachlor epoxide and Endrin was outside QC limits between the columns in B359088-BS1 and should be qualified as estimated.
The RPD of 4,4'-DDT was outside QC limits between the columns in B359088-BSD1 and should be qualified as estimated.
Some target analytes were outside QC limits in the laboratory control sample or the laboratory control sample duplicate but not both, so no further action is required.

MS/MSD
All criteria were met except several target analytes were outside QC limits in the matrix spikes and should be qualified as estimated.

Target Analyte	%Rec #4MS	%Rec #4MSD	RPD	Qualifier	Associated Samples
gamma-BHC	134	-	33	UJ	4
Hexachlorobenzene	215	158	32.5	UJ	4
Heptachlor	-	-	34.6	UJ	4
Aldrin	-	-	25.4	UJ	4

The RPD of beta-BHC, alpha-BHC, Heptachlor and Hexachlorobenzene was outside QC limits between the columns in DUSR ID#4MS and should be qualified as estimated.
The RPD of Hexachlorobenzene was outside QC limits between the columns in DUSR ID#4MSD and should be qualified as estimated.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met except a target analyte was outside QC limits in the initial calibration verification and should be qualified as estimated in the associated samples, blanks and spikes.

ICal/ICV ID	Target Analyte	Column	%D	Qualifier	Associated Sample
ICV ECD6	Chlordane p2	1	21.1	UJ	B359088-BLK1, 1-6
ICV ECD6	Chlordane p3	2	-35.8	UJ	B359088-BLK1

CONTINUING CALIBRATION
All criteria were met.
Some target analytes were outside laboratory QC limits but within NFG limits, so no further action is required.

PCB

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration

- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Data Completeness and Initial Calibration.

DATA COMPLETENESS
All criteria were met except the raw data for the Initial Calibration Verification for Aroclor 1016/1260 and the surrogates was not included in the package. Form VII was included. These target analytes and surrogates should be qualified as estimated in B359089, DUSR ID#1-6 and #4MS/MSD due to lack of raw continuing calibration data.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All the criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All the criteria were met.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met except a target analyte was outside QC limits in the initial calibration verification and should be qualified as estimated in the associated samples, blanks and spikes.

ICV Instrument ID	Target Analyte	%D Column#1	%D Column#2	Qualifier	Associated Sample
ECD9	Aroclor 1268 p4	32.2	35.6	UJ	B359089, 1-6

CONTINUING CALIBRATION
All criteria were met.

METALS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Blanks
-Laboratory Control Sample
-MS/MSD/Duplicate
-Field Duplicate
-Serial Dilution
-Compound Quantitation
-Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Compound Quantitation and Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All criteria were met.

BLANKS
All criteria were met.

LABORATORY CONTROL SAMPLE
All criteria were met.

MS/MSD/DUPLICATE
All the criteria were met.

FIELD DUPLICATE
All the criteria were met except V was detected in DUSR ID#5(t) but was not detected in #1(t).

SERIAL DILUTION
All the criteria were met.

COMPOUND QUANTITATION
All criteria were met except a target analyte was detected in the sample blank and should be qualified in the associated samples in which it was detected.

Blank ID	Target Analyte	Concentration (mg/L)	Qualifier	Associated Sample
6d	Mg	.030	JH	1d-5d

CALIBRATION
All criteria were met except the %Rec of several target analytes was outside QC limits in the Low-Concentration Calibration Verification. These target analytes should be qualified as estimated in the associated samples, blanks and spikes.

Calibration ID	Target Analyte	%D or %Rec	Qualifier	Associated Sample
S097023-LCV1	Cd	-16.6	UJ/J	B359098, 1t-3t, 5t, 6t
S097023-LCV1	Ag	15.7	UJ/J	B359098, 1t-3t, 5t, 6t
S097023-LCV2	Pb	14.5	UJ/J	B359098, 1t-3t, 5t, 6t
S097222-LCV1	Be	12.2	UJ/J	4t, 4tMS/MSD
S097222-LCV1	Mg	18.1	J	4t, 4tMS/MSD
S097222-LCV1	Ag	15.7	UJ/J	4t, 4tMS/MSD
S097222-LCV1	Na	-12.5	UJ/J	B359098, 1t-6t, 4tMS/MSD
S097318-LCV1	Cu	13.2	UJ/J	4t, 4tMS/MSD
S097232-IFB1	Tl	116	JH	B359098-BS1/BSD1, 4tMS/MSD
S097232-IFB2	Tl	122	JH	B359098-BS1/BSD1, 4tMS/MSD

GENERAL CHEMISTRY

The following items/criteria were reviewed for this analytical suite:

- Cyanide
- %Solids

The items listed above were technically in compliance with the method and SOP criteria with any exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below.

CYANIDE
All criteria were met.

%SOLIDS
All criteria were met.

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

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SW-846 6010D

Qualifications:

M-08

The interference check sample was outside of control limits. Data validation is not affected since the sample result is "not detected" and the bias is on the high side.

Analyte & Samples(s) Qualified:

Thallium
23K2925-04[250WATERST-MW4-WG]

MS-19

Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.

Analyte & Samples(s) Qualified:

Calcium
23K2925-04[250WATERST-MW4-WG], B359044-MSD1, B359098-MS1, B359098-MSD1

Magnesium
23K2925-04[250WATERST-MW4-WG], B359098-MS1

Sodium
23K2925-04[250WATERST-MW4-WG], B359044-MS1, B359044-MSD1, B359098-MS1, B359098-MSD1

Z-01

Post-spike analysis is outside of control limits. Analysis is in control based on the laboratory fortified blank and matrix-spike.

Analyte & Samples(s) Qualified:

Silver
23K2925-04[250WATERST-MW4-WG], B359044-PS1

SW-846 8081B

Qualifications:

L-11

Laboratory fortified blank/laboratory control sample was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.

Analyte & Samples(s) Qualified:

Aldrin [2C]
B359088-BS1, B359088-BSD1

MS-15

Matrix spike and matrix spike duplicate recoveries are outside of control limits. Data validation is not affected since results for this compound in this sample are "not detected", and recovery bias is on the high side.

Analyte & Samples(s) Qualified:

Hexachlorobenzene
B359088-MS1, B359088-MSD1

R-06

Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.

Analyte & Samples(s) Qualified:

alpha-BHC
23K2925-04[250WATERST-MW4-WG], B359088-MS1, B359088-MSD1

gamma-BHC (Lindane)
23K2925-04[250WATERST-MW4-WG], B359088-MS1, B359088-MSD1

Heptachlor
23K2925-04[250WATERST-MW4-WG], B359088-MS1, B359088-MSD1

Hexachlorobenzene
23K2925-04[250WATERST-MW4-WG], B359088-MS1, B359088-MSD1

S-26

Surrogate outside of control limits.

Analyte & Samples(s) Qualified:

Tetrachloro-m-xylene [2C]
B359088-BLK1

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V-06

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

Analyte & Samples(s) Qualified:

4,4'-DDD
B359088-MS1, B359088-MSD1

4,4'-DDD [2C]
B359088-BS1, B359088-BSD1

4,4'-DDT
B359088-MS1, B359088-MSD1

4,4'-DDT [2C]
B359088-BS1, B359088-BSD1

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

4,4'-DDD
23K2925-04[250WATERST-MW4-WG]

4,4'-DDD [2C]
23K2925-04[250WATERST-MW4-WG]

4,4'-DDT
23K2925-04[250WATERST-MW4-WG]

4,4'-DDT [2C]
23K2925-04[250WATERST-MW4-WG]

SW-846 8260D

Qualifications:

MS-15

Matrix spike and matrix spike duplicate recoveries are outside of control limits. Data validation is not affected since results for this compound in this sample are "not detected", and recovery bias is on the high side.

Analyte & Samples(s) Qualified:

Chloroethane
B359033-MS1, B359033-MSD1

Vinyl Chloride
B359033-MS1, B359033-MSD1

MS-24

Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Analysis is in control based on laboratory fortified blank recovery.

Analyte & Samples(s) Qualified:

Benzene
B359033-MSD1

Carbon Disulfide
B359033-MSD1

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

Chloromethane
23K2925-01[250WATERST-MW1-WG], 23K2925-02[250WATERST-MW2-WG], 23K2925-03[250WATERST-MW3-WG], 23K2925-04[250WATERST-MW4-WG], 23K2925-05[240WATERST-DUP-WG-20230802], 23K2925-06[250WATERST-EB-20230802], 23K2925-07[250WATERST-TB-20230802], B359033-BLK1, B359033-BS1, B359033-BSD1, B359033-MS1, B359033-MSD1, S096884-CCV1

SW-846 8270E

Qualifications:

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L-04

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Benzaldehyde

23K2925-01[250WATERST-MW1-WG], 23K2925-02[250WATERST-MW2-WG], 23K2925-03[250WATERST-MW3-WG], 23K2925-04[250WATERST-MW4-WG], 23K2925-05[240WATERST-DUP-WG-20230802], 23K2925-06[250WATERST-EB-20230802], B359140-BLK1, B359140-BS1, B359140-BSD1

Caprolactam

23K2925-01[250WATERST-MW1-WG], 23K2925-02[250WATERST-MW2-WG], 23K2925-03[250WATERST-MW3-WG], 23K2925-04[250WATERST-MW4-WG], 23K2925-05[240WATERST-DUP-WG-20230802], 23K2925-06[250WATERST-EB-20230802], B359140-BLK1, B359140-BS1, B359140-BSD1

MS-09

Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

Analyte & Samples(s) Qualified:

Caprolactam

23K2925-04[250WATERST-MW4-WG], B359140-MS1, B359140-MSD1

MS-22

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.

Analyte & Samples(s) Qualified:

Benzaldehyde

B359140-MS1

R-05

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:

Di-n-octylphthalate

B359140-BS1, B359140-BSD1

R-06

Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol

B359140-MS1, B359140-MSD1

4,6-Dinitro-2-methylphenol

B359140-MS1, B359140-MSD1

4-Nitrophenol

B359140-MS1, B359140-MSD1

V-04

Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Reported result is estimated.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol

23K2925-01[250WATERST-MW1-WG], 23K2925-02[250WATERST-MW2-WG], 23K2925-03[250WATERST-MW3-WG], 23K2925-04[250WATERST-MW4-WG], 23K2925-05[240WATERST-DUP-WG-20230802], 23K2925-06[250WATERST-EB-20230802], B359140-BLK1, B359140-BS1, B359140-BSD1, B359140-MS1, B359140-MSD1, S097122-CCV1

Di-n-octylphthalate

23K2925-01[250WATERST-MW1-WG], 23K2925-02[250WATERST-MW2-WG], 23K2925-03[250WATERST-MW3-WG], 23K2925-04[250WATERST-MW4-WG], 23K2925-05[240WATERST-DUP-WG-20230802], 23K2925-06[250WATERST-EB-20230802], B359140-BLK1, B359140-BS1, B359140-BSD1, B359140-MS1, B359140-MSD1, S097122-CCV1

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

Hexachlorocyclopentadiene

23K2925-01[250WATERST-MW1-WG], 23K2925-02[250WATERST-MW2-WG], 23K2925-03[250WATERST-MW3-WG], 23K2925-04[250WATERST-MW4-WG], 23K2925-05[240WATERST-DUP-WG-20230802], 23K2925-06[250WATERST-EB-20230802], B359140-BLK1, B359140-BS1, B359140-BSD1, B359140-MS1, B359140-MSD1, S097122-CCV1

V-34

Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

Benzaldehyde

S096618-ICV1

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The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Technical Representative

con-test® A Pace Analytical® Laboratory
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 250WATERST-MW1-WG Sampled: 11/21/2023 13:15

Sample ID: 23K2925-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:26	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:26	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:26	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:26	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:26	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:26	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:26	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:26	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:26	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:26	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:26	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:26	MFF
Chloroform	4.3	2.0	0.14	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:26	MFF
Chloromethane	ND	2.0	0.50	µg/L	1	V-05	SW-846 8260D	11/27/23	11/28/23 2:26	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:26	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:26	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:26	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:26	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:26	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:26	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:26	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:26	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:26	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:26	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:26	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:26	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:26	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:26	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:26	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:26	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:26	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:26	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:26	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:26	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:26	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:26	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:26	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:26	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:26	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:26	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:26	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:26	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:26	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:26	MFF

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 250WATERST-MW1-WG Sampled: 11/21/2023 13:15

Sample ID: 23K2925-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:26	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:26	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:26	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:26	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:26	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:26	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:26	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	94.8	70-130		11/28/23 2:26
Toluene-d8	99.2	70-130		11/28/23 2:26
4-Bromofluorobenzene	88.9	70-130		11/28/23 2:26

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 250WATERST-MW1-WG Sampled: 11/21/2023 13:15

Sample ID: 23K2925-01

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			1			SW-846 8260D	11/27/23	11/28/23 2:26	MFF

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 250WATERST-MW1-WG Sampled: 11/21/2023 13:15

Sample ID: 23K2925-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	20	1.6	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:24	BGL
Benzaldehyde	ND	9.9	0.72	µg/L	1	L-04	SW-846 8270E	11/28/23	11/30/23 16:24	BGL
Biphenyl	ND	20	0.91	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:24	BGL
Caprolactam	ND	9.9	0.71	µg/L	1	L-04	SW-846 8270E	11/28/23	11/30/23 16:24	BGL
Acenaphthene	ND	5.0	0.78	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:24	BGL
Acenaphthylene	ND	5.0	0.63	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:24	BGL
Acetophenone	ND	9.9	0.50	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:24	BGL
Anthracene	ND	5.0	0.54	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:24	BGL
Benzo(a)anthracene	ND	5.0	0.37	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:24	BGL
Benzo(a)pyrene	ND	5.0	0.43	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:24	BGL
Benzo(b)fluoranthene	ND	5.0	0.32	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:24	BGL
Benzo(g,h,i)perylene	ND	5.0	0.52	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:24	BGL
Benzo(k)fluoranthene	ND	5.0	0.45	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:24	BGL
Bis(2-chloroethoxy)methane	ND	9.9	0.57	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:24	BGL
Bis(2-chloroethyl)ether	ND	9.9	0.45	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:24	BGL
Bis(2-chloroisopropyl)ether	ND	9.9	0.74	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:24	BGL
Bis(2-Ethylhexyl)phthalate	ND	9.9	0.32	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:24	BGL
4-Bromophenylphenylether	ND	9.9	0.71	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:24	BGL
Butylbenzylphthalate	ND	9.9	0.39	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:24	BGL
Carbazole	ND	9.9	0.45	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:24	BGL
4-Chloroaniline	ND	9.9	5.2	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:24	BGL
4-Chloro-3-methylphenol	ND	9.9	0.63	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:24	BGL
2-Chloronaphthalene	ND	9.9	0.81	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:24	BGL
2-Chlorophenol	ND	9.9	0.41	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:24	BGL
4-Chlorophenylphenylether	ND	9.9	0.86	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:24	BGL
Chrysene	ND	5.0	0.45	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:24	BGL
Dibenz(a,h)anthracene	ND	5.0	0.47	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:24	BGL
Dibenzofuran	ND	5.0	0.85	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:24	BGL
Di-n-butylphthalate	ND	9.9	0.50	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:24	BGL
3,3-Dichlorobenzidine	ND	9.9	0.45	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:24	BGL
2,4-Dichlorophenol	ND	9.9	0.46	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:24	BGL
Diethylphthalate	ND	9.9	0.55	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:24	BGL
2,4-Dimethylphenol	ND	9.9	0.41	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:24	BGL
Dimethylphthalate	ND	9.9	0.43	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:24	BGL
4,6-Dinitro-2-methylphenol	ND	20	2.3	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:24	BGL
2,4-Dinitrophenol	ND	9.9	1.3	µg/L	1	V-04	SW-846 8270E	11/28/23	11/30/23 16:24	BGL
2,4-Dinitrotoluene	ND	9.9	0.35	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:24	BGL
2,6-Dinitrotoluene	ND	9.9	0.55	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:24	BGL
Di-n-octylphthalate	ND	9.9	0.32	µg/L	1	V-04	SW-846 8270E	11/28/23	11/30/23 16:24	BGL
Fluoranthene	ND	5.0	0.56	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:24	BGL
Fluorene	ND	5.0	0.75	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:24	BGL
Hexachlorobenzene	ND	9.9	0.72	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:24	BGL
Hexachlorobutadiene	ND	9.9	1.2	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:24	BGL
Hexachlorocyclopentadiene	ND	9.9	2.8	µg/L	1	V-05	SW-846 8270E	11/28/23	11/30/23 16:24	BGL

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 250WATERST-MW1-WG Sampled: 11/21/2023 13:15

Sample ID: 23K2925-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	9.9	1.2	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:24	BGL
Indeno(1,2,3-cd)pyrene	ND	5.0	0.47	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:24	BGL
Isophorone	ND	9.9	0.54	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:24	BGL
2-Methylnaphthalene	ND	5.0	0.92	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:24	BGL
2-Methylphenol	ND	9.9	0.45	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:24	BGL
3/4-Methylphenol	ND	9.9	0.48	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:24	BGL
Naphthalene	ND	5.0	0.90	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:24	BGL
2-Nitroaniline	ND	9.9	0.49	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:24	BGL
3-Nitroaniline	ND	9.9	0.51	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:24	BGL
4-Nitroaniline	ND	9.9	0.43	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:24	BGL
Nitrobenzene	ND	9.9	0.67	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:24	BGL
2-Nitrophenol	ND	9.9	0.54	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:24	BGL
4-Nitrophenol	ND	9.9	1.3	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:24	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	9.9	0.48	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:24	BGL
N-Nitrosodi-n-propylamine	ND	9.9	0.65	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:24	BGL
Pentachlorophenol	ND	9.9	0.48	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:24	BGL
Phenanthrene	ND	5.0	0.71	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:24	BGL
Phenol	10	9.9	0.59	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:24	BGL
Pyrene	ND	5.0	0.46	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:24	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.9	1.2	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:24	BGL
2,4,5-Trichlorophenol	ND	9.9	0.45	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:24	BGL
2,4,6-Trichlorophenol	ND	9.9	0.37	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:24	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	45.4	15-110		11/30/23 16:24
Phenol-d6	31.6	15-110		11/30/23 16:24
Nitrobenzene-d5	70.7	30-130		11/30/23 16:24
2-Fluorobiphenyl	69.8	30-130		11/30/23 16:24
2,4,6-Tribromophenol	93.5	15-110		11/30/23 16:24
p-Terphenyl-d14	94.1	30-130		11/30/23 16:24

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 250WATERST-MW1-WG Sampled: 11/21/2023 13:15

Sample ID: 23K2925-01

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.21	0.034	µg/L	1		SW-846 8270E	11/27/23	12/2/23 22:31	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	18.8	15-110			12/2/23 22:31

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 250WATERST-MW1-WG Sampled: 11/21/2023 13:15

Sample ID: 23K2925-01

Sample Matrix: Ground Water

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
n-Hexadecanoic acid	16	µg/L	148634	8.197	1	000057-10-3	98	SW-846 8270E	11/28/23	11/30/23 16:24	BGL
Octadecanoic acid	21	µg/L	193775	8.914	1	000057-11-4	99	SW-846 8270E	11/28/23	11/30/23 16:24	BGL

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 250WATERST-MW1-WG Sampled: 11/21/2023 13:15

Sample ID: 23K2925-01

Sample Matrix: Ground Water

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [1]	ND	0.18	0.034	µg/L	1		SW-846 8081B	11/28/23	12/2/23 8:40	TG
Aldrin [1]	ND	0.045	0.0065	µg/L	1		SW-846 8081B	11/28/23	12/2/23 8:40	TG
alpha-BHC [1]	ND	0.045	0.0033	µg/L	1		SW-846 8081B	11/28/23	12/2/23 8:40	TG
beta-BHC [1]	ND	0.045	0.0074	µg/L	1		SW-846 8081B	11/28/23	12/2/23 8:40	TG
delta-BHC [1]	ND	0.045	0.0053	µg/L	1		SW-846 8081B	11/28/23	12/2/23 8:40	TG
gamma-BHC (Lindane) [1]	ND	0.027	0.0037	µg/L	1		SW-846 8081B	11/28/23	12/2/23 8:40	TG
Chlordane [1]	ND	0.18	0.030	µg/L	1		SW-846 8081B	11/28/23	12/2/23 8:40	TG
4,4'-DDD [2]	ND	0.036	0.0036	µg/L	1		SW-846 8081B	11/28/23	12/2/23 8:40	TG
4,4'-DDE [1]	ND	0.036	0.0045	µg/L	1		SW-846 8081B	11/28/23	12/2/23 8:40	TG
4,4'-DDT [2]	ND	0.036	0.0035	µg/L	1		SW-846 8081B	11/28/23	12/2/23 8:40	TG
Dieldrin [1]	ND	0.0018	0.00091	µg/L	1		SW-846 8081B	11/28/23	12/2/23 8:40	TG
Endosulfan I [1]	ND	0.045	0.0046	µg/L	1		SW-846 8081B	11/28/23	12/2/23 8:40	TG
Endosulfan II [1]	ND	0.072	0.0034	µg/L	1		SW-846 8081B	11/28/23	12/2/23 8:40	TG
Endosulfan sulfate [1]	ND	0.072	0.0058	µg/L	1		SW-846 8081B	11/28/23	12/2/23 8:40	TG
Endrin [1]	ND	0.072	0.0037	µg/L	1		SW-846 8081B	11/28/23	12/2/23 8:40	TG
Endrin aldehyde [1]	ND	0.072	0.0040	µg/L	1		SW-846 8081B	11/28/23	12/2/23 8:40	TG
Endrin ketone [1]	ND	0.072	0.0035	µg/L	1		SW-846 8081B	11/28/23	12/2/23 8:40	TG
Heptachlor [1]	ND	0.045	0.0055	µg/L	1		SW-846 8081B	11/28/23	12/2/23 8:40	TG
Heptachlor epoxide [1]	ND	0.045	0.0062	µg/L	1		SW-846 8081B	11/28/23	12/2/23 8:40	TG
Hexachlorobenzene [1]	ND	0.045	0.025	µg/L	1		SW-846 8081B	11/28/23	12/2/23 8:40	TG
Methoxychlor [1]	ND	0.45	0.0093	µg/L	1		SW-846 8081B	11/28/23	12/2/23 8:40	TG
Toxaphene [1]	ND	0.90	0.60	µg/L	1		SW-846 8081B	11/28/23	12/2/23 8:40	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	98.9	30-150		12/2/23 8:40
Decachlorobiphenyl [2]	96.0	30-150		12/2/23 8:40
Tetrachloro-m-xylene [1]	72.8	30-150		12/2/23 8:40
Tetrachloro-m-xylene [2]	62.2	30-150		12/2/23 8:40

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 250WATERST-MW1-WG Sampled: 11/21/2023 13:15

Sample ID: 23K2925-01

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.18	0.11	µg/L	1		SW-846 8082A	11/28/23	12/2/23 13:15	JM4
Aroclor-1221 [1]	ND	0.18	0.072	µg/L	1		SW-846 8082A	11/28/23	12/2/23 13:15	JM4
Aroclor-1232 [1]	ND	0.18	0.066	µg/L	1		SW-846 8082A	11/28/23	12/2/23 13:15	JM4
Aroclor-1242 [1]	ND	0.18	0.066	µg/L	1		SW-846 8082A	11/28/23	12/2/23 13:15	JM4
Aroclor-1248 [1]	ND	0.18	0.057	µg/L	1		SW-846 8082A	11/28/23	12/2/23 13:15	JM4
Aroclor-1254 [1]	ND	0.18	0.067	µg/L	1		SW-846 8082A	11/28/23	12/2/23 13:15	JM4
Aroclor-1260 [1]	ND	0.18	0.10	µg/L	1		SW-846 8082A	11/28/23	12/2/23 13:15	JM4
Aroclor-1262 [1]	ND	0.18	0.11	µg/L	1		SW-846 8082A	11/28/23	12/2/23 13:15	JM4
Aroclor-1268 [1]	ND	0.18	0.062	µg/L	1		SW-846 8082A	11/28/23	12/2/23 13:15	JM4

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	97.6	30-150		12/2/23 13:15
Decachlorobiphenyl [2]	103	30-150		12/2/23 13:15
Tetrachloro-m-xylene [1]	60.5	30-150		12/2/23 13:15
Tetrachloro-m-xylene [2]	58.0	30-150		12/2/23 13:15

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 250WATERST-MW1-WG Sampled: 11/21/2023 13:15

Sample ID: 23K2925-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.15	0.050	0.020	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:15	ATP
Antimony	ND	0.050	0.011	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:15	ATP
Arsenic	ND	0.010	0.0073	mg/L	1		SW-846 6010D	11/28/23	12/2/23 19:21	MJH
Barium	0.10	0.050	0.0057	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:15	ATP
Beryllium	ND	0.0040	0.0012	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:15	ATP
Cadmium	ND	0.0040	0.0013	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:15	ATP
Calcium	48	0.50	0.091	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:15	ATP
Chromium	ND	0.010	0.0093	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:15	ATP
Cobalt	ND	0.010	0.0017	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:15	ATP
Copper	ND	0.010	0.0047	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:15	ATP
Iron	0.12	0.050	0.023	mg/L	1		SW-846 6010D	11/28/23	12/2/23 19:21	MJH
Lead	ND	0.010	0.0065	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:15	ATP
Magnesium	8.4	0.050	0.016	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:15	ATP
Manganese	0.012	0.010	0.0028	mg/L	1		SW-846 6010D	11/28/23	12/2/23 19:21	MJH
Mercury	ND	0.00020	0.00014	mg/L	1		SW-846 7470A	12/5/23	12/6/23 13:04	ICP
Nickel	ND	0.010	0.0024	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:15	ATP
Potassium	4.8	2.0	0.33	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:15	ATP
Selenium	ND	0.050	0.018	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:15	ATP
Silver	ND	0.010	0.0027	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:15	ATP
Sodium	12	2.0	0.74	mg/L	1		SW-846 6010D	11/28/23	12/2/23 19:21	MJH
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:15	ATP
Vanadium	ND	0.010	0.0071	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:15	ATP
Zinc	ND	0.010	0.0040	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:15	ATP

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 250WATERST-MW1-WG Sampled: 11/21/2023 13:15

Sample ID: 23K2925-01

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	0.020	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:21	ATP
Antimony	ND	0.050	0.011	mg/L	1		SW-846 6010D	11/27/23	12/6/23 0:19	MJH
Arsenic	ND	0.010	0.0073	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:21	ATP
Barium	0.11	0.050	0.0057	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:21	ATP
Beryllium	ND	0.0040	0.0012	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:21	ATP
Cadmium	ND	0.0040	0.0013	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:21	ATP
Calcium	48	0.50	0.091	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:21	ATP
Chromium	ND	0.010	0.0093	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:21	ATP
Cobalt	ND	0.010	0.0017	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:21	ATP
Copper	ND	0.010	0.0047	mg/L	1		SW-846 6010D	11/27/23	12/6/23 0:19	MJH
Iron	ND	0.050	0.023	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:21	ATP
Lead	ND	0.010	0.0065	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:21	ATP
Magnesium	8.1	0.050	0.016	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:21	ATP
Manganese	ND	0.010	0.0028	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:21	ATP
Mercury	ND	0.00020	0.00014	mg/L	1		SW-846 7470A	12/4/23	12/5/23 14:26	ICP
Nickel	ND	0.010	0.0024	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:21	ATP
Potassium	4.6	2.0	0.33	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:21	ATP
Selenium	ND	0.050	0.018	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:21	ATP
Silver	ND	0.010	0.0027	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:21	ATP
Sodium	13	2.0	0.74	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:21	ATP
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:21	ATP
Vanadium	ND	0.010	0.0071	mg/L	1		SW-846 6010D	11/27/23	12/6/23 0:19	MJH
Zinc	ND	0.010	0.0040	mg/L	1		SW-846 6010D	11/27/23	12/6/23 0:19	MJH

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 250WATERST-MW1-WG Sampled: 11/21/2023 13:15

Sample ID: 23K2925-01

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	ND	0.010	0.0070	mg/L	1		SW-846 9014	11/28/23	11/28/23 16:20	DET

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 250WATERST-MW1-WG Sampled: 11/21/2023 13:15

Sample ID: 23K2925-01

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Dissolved)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	ND	0.010	0.0070	mg/L	1		SW-846 9014	11/28/23	11/28/23 16:20	DET

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 250WATERST-MW2-WG Sampled: 11/21/2023 12:00

Sample ID: 23K2925-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:52	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:52	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:52	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:52	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:52	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:52	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:52	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:52	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:52	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:52	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:52	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:52	MFF
Chloroform	0.88	2.0	0.14	µg/L	1	J	SW-846 8260D	11/27/23	11/28/23 2:52	MFF
Chloromethane	ND	2.0	0.50	µg/L	1	V-05	SW-846 8260D	11/27/23	11/28/23 2:52	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:52	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:52	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:52	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:52	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:52	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:52	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:52	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:52	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:52	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:52	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:52	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:52	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:52	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:52	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:52	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:52	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:52	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:52	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:52	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:52	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:52	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:52	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:52	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:52	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:52	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:52	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:52	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:52	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:52	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:52	MFF

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 250WATERST-MW2-WG Sampled: 11/21/2023 12:00

Sample ID: 23K2925-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:52	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:52	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:52	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:52	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:52	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:52	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	11/27/23	11/28/23 2:52	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	93.7	70-130		11/28/23 2:52
Toluene-d8	99.2	70-130		11/28/23 2:52
4-Bromofluorobenzene	87.1	70-130		11/28/23 2:52

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 250WATERST-MW2-WG Sampled: 11/21/2023 12:00

Sample ID: 23K2925-02

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			1			SW-846 8260D	11/27/23	11/28/23 2:52	MFF

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 250WATERST-MW2-WG Sampled: 11/21/2023 12:00

Sample ID: 23K2925-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	19	1.6	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:45	BGL
Benzaldehyde	ND	9.5	0.68	µg/L	1	L-04	SW-846 8270E	11/28/23	11/30/23 16:45	BGL
Biphenyl	ND	19	0.87	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:45	BGL
Caprolactam	ND	9.5	0.68	µg/L	1	L-04	SW-846 8270E	11/28/23	11/30/23 16:45	BGL
Acenaphthene	ND	4.7	0.74	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:45	BGL
Acenaphthylene	ND	4.7	0.60	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:45	BGL
Acetophenone	ND	9.5	0.47	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:45	BGL
Anthracene	ND	4.7	0.51	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:45	BGL
Benzo(a)anthracene	ND	4.7	0.36	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:45	BGL
Benzo(a)pyrene	ND	4.7	0.41	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:45	BGL
Benzo(b)fluoranthene	ND	4.7	0.31	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:45	BGL
Benzo(g,h,i)perylene	ND	4.7	0.49	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:45	BGL
Benzo(k)fluoranthene	ND	4.7	0.43	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:45	BGL
Bis(2-chloroethoxy)methane	ND	9.5	0.54	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:45	BGL
Bis(2-chloroethyl)ether	ND	9.5	0.43	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:45	BGL
Bis(2-chloroisopropyl)ether	ND	9.5	0.71	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:45	BGL
Bis(2-Ethylhexyl)phthalate	ND	9.5	0.31	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:45	BGL
4-Bromophenylphenylether	ND	9.5	0.67	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:45	BGL
Butylbenzylphthalate	ND	9.5	0.37	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:45	BGL
Carbazole	ND	9.5	0.43	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:45	BGL
4-Chloroaniline	ND	9.5	4.9	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:45	BGL
4-Chloro-3-methylphenol	ND	9.5	0.60	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:45	BGL
2-Chloronaphthalene	ND	9.5	0.77	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:45	BGL
2-Chlorophenol	ND	9.5	0.39	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:45	BGL
4-Chlorophenylphenylether	ND	9.5	0.82	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:45	BGL
Chrysene	ND	4.7	0.43	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:45	BGL
Dibenz(a,h)anthracene	ND	4.7	0.45	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:45	BGL
Dibenzofuran	ND	4.7	0.81	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:45	BGL
Di-n-butylphthalate	ND	9.5	0.47	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:45	BGL
3,3-Dichlorobenzidine	ND	9.5	0.43	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:45	BGL
2,4-Dichlorophenol	ND	9.5	0.44	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:45	BGL
Diethylphthalate	ND	9.5	0.53	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:45	BGL
2,4-Dimethylphenol	ND	9.5	0.39	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:45	BGL
Dimethylphthalate	ND	9.5	0.41	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:45	BGL
4,6-Dinitro-2-methylphenol	ND	19	2.2	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:45	BGL
2,4-Dinitrophenol	ND	9.5	1.3	µg/L	1	V-04	SW-846 8270E	11/28/23	11/30/23 16:45	BGL
2,4-Dinitrotoluene	ND	9.5	0.33	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:45	BGL
2,6-Dinitrotoluene	ND	9.5	0.52	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:45	BGL
Di-n-octylphthalate	ND	9.5	0.31	µg/L	1	V-04	SW-846 8270E	11/28/23	11/30/23 16:45	BGL
Fluoranthene	ND	4.7	0.53	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:45	BGL
Fluorene	ND	4.7	0.72	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:45	BGL
Hexachlorobenzene	ND	9.5	0.68	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:45	BGL
Hexachlorobutadiene	ND	9.5	1.2	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:45	BGL
Hexachlorocyclopentadiene	ND	9.5	2.7	µg/L	1	V-05	SW-846 8270E	11/28/23	11/30/23 16:45	BGL

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 250WATERST-MW2-WG Sampled: 11/21/2023 12:00

Sample ID: 23K2925-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	9.5	1.2	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:45	BGL
Indeno(1,2,3-cd)pyrene	ND	4.7	0.45	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:45	BGL
Isophorone	ND	9.5	0.51	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:45	BGL
2-Methylnaphthalene	ND	4.7	0.88	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:45	BGL
2-Methylphenol	ND	9.5	0.43	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:45	BGL
3/4-Methylphenol	ND	9.5	0.45	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:45	BGL
Naphthalene	ND	4.7	0.85	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:45	BGL
2-Nitroaniline	ND	9.5	0.47	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:45	BGL
3-Nitroaniline	ND	9.5	0.49	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:45	BGL
4-Nitroaniline	ND	9.5	0.41	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:45	BGL
Nitrobenzene	ND	9.5	0.64	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:45	BGL
2-Nitrophenol	ND	9.5	0.51	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:45	BGL
4-Nitrophenol	ND	9.5	1.2	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:45	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	9.5	0.45	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:45	BGL
N-Nitrosodi-n-propylamine	ND	9.5	0.62	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:45	BGL
Pentachlorophenol	ND	9.5	0.45	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:45	BGL
Phenanthrene	ND	4.7	0.68	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:45	BGL
Phenol	ND	9.5	0.56	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:45	BGL
Pyrene	ND	4.7	0.44	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:45	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.5	1.1	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:45	BGL
2,4,5-Trichlorophenol	ND	9.5	0.43	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:45	BGL
2,4,6-Trichlorophenol	ND	9.5	0.36	µg/L	1		SW-846 8270E	11/28/23	11/30/23 16:45	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	47.7	15-110		11/30/23 16:45
Phenol-d6	34.1	15-110		11/30/23 16:45
Nitrobenzene-d5	74.4	30-130		11/30/23 16:45
2-Fluorobiphenyl	75.3	30-130		11/30/23 16:45
2,4,6-Tribromophenol	92.2	15-110		11/30/23 16:45
p-Terphenyl-d14	95.5	30-130		11/30/23 16:45

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 250WATERST-MW2-WG Sampled: 11/21/2023 12:00

Sample ID: 23K2925-02

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.20	0.032	µg/L	1		SW-846 8270E	11/27/23	12/2/23 22:50	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	19.0	15-110		12/2/23 22:50	

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 250WATERST-MW2-WG Sampled: 11/21/2023 12:00

Sample ID: 23K2925-02

Sample Matrix: Ground Water

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
n-Hexadecanoic acid	16	µg/L	156127	8.194	1	000057-10-3	74	SW-846 8270E	11/28/23	11/30/23 16:45	BGL
Octadecanoic acid	20	µg/L	195441	8.914	1	000057-11-4	99	SW-846 8270E	11/28/23	11/30/23 16:45	BGL

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 250WATERST-MW2-WG Sampled: 11/21/2023 12:00

Sample ID: 23K2925-02

Sample Matrix: Ground Water

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [1]	ND	0.19	0.036	µg/L	1		SW-846 8081B	11/28/23	12/2/23 9:01	TG
Aldrin [1]	ND	0.047	0.0068	µg/L	1		SW-846 8081B	11/28/23	12/2/23 9:01	TG
alpha-BHC [1]	ND	0.047	0.0035	µg/L	1		SW-846 8081B	11/28/23	12/2/23 9:01	TG
beta-BHC [1]	ND	0.047	0.0078	µg/L	1		SW-846 8081B	11/28/23	12/2/23 9:01	TG
delta-BHC [1]	ND	0.047	0.0056	µg/L	1		SW-846 8081B	11/28/23	12/2/23 9:01	TG
gamma-BHC (Lindane) [1]	ND	0.028	0.0039	µg/L	1		SW-846 8081B	11/28/23	12/2/23 9:01	TG
Chlordane [1]	ND	0.19	0.032	µg/L	1		SW-846 8081B	11/28/23	12/2/23 9:01	TG
4,4'-DDD [2]	ND	0.038	0.0037	µg/L	1		SW-846 8081B	11/28/23	12/2/23 9:01	TG
4,4'-DDE [1]	ND	0.038	0.0047	µg/L	1		SW-846 8081B	11/28/23	12/2/23 9:01	TG
4,4'-DDT [2]	ND	0.038	0.0037	µg/L	1		SW-846 8081B	11/28/23	12/2/23 9:01	TG
Dieldrin [1]	ND	0.0019	0.00095	µg/L	1		SW-846 8081B	11/28/23	12/2/23 9:01	TG
Endosulfan I [1]	ND	0.047	0.0049	µg/L	1		SW-846 8081B	11/28/23	12/2/23 9:01	TG
Endosulfan II [1]	ND	0.075	0.0036	µg/L	1		SW-846 8081B	11/28/23	12/2/23 9:01	TG
Endosulfan sulfate [1]	ND	0.075	0.0060	µg/L	1		SW-846 8081B	11/28/23	12/2/23 9:01	TG
Endrin [1]	ND	0.075	0.0039	µg/L	1		SW-846 8081B	11/28/23	12/2/23 9:01	TG
Endrin aldehyde [1]	ND	0.075	0.0042	µg/L	1		SW-846 8081B	11/28/23	12/2/23 9:01	TG
Endrin ketone [1]	ND	0.075	0.0037	µg/L	1		SW-846 8081B	11/28/23	12/2/23 9:01	TG
Heptachlor [1]	ND	0.047	0.0057	µg/L	1		SW-846 8081B	11/28/23	12/2/23 9:01	TG
Heptachlor epoxide [1]	ND	0.047	0.0065	µg/L	1		SW-846 8081B	11/28/23	12/2/23 9:01	TG
Hexachlorobenzene [1]	ND	0.047	0.027	µg/L	1		SW-846 8081B	11/28/23	12/2/23 9:01	TG
Methoxychlor [1]	ND	0.47	0.0098	µg/L	1		SW-846 8081B	11/28/23	12/2/23 9:01	TG
Toxaphene [1]	ND	0.94	0.63	µg/L	1		SW-846 8081B	11/28/23	12/2/23 9:01	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	99.1	30-150		12/2/23 9:01
Decachlorobiphenyl [2]	96.4	30-150		12/2/23 9:01
Tetrachloro-m-xylene [1]	76.6	30-150		12/2/23 9:01
Tetrachloro-m-xylene [2]	66.9	30-150		12/2/23 9:01

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 250WATERST-MW2-WG Sampled: 11/21/2023 12:00

Sample ID: 23K2925-02

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.19	0.12	µg/L	1		SW-846 8082A	11/28/23	12/2/23 13:32	JM4
Aroclor-1221 [1]	ND	0.19	0.076	µg/L	1		SW-846 8082A	11/28/23	12/2/23 13:32	JM4
Aroclor-1232 [1]	ND	0.19	0.069	µg/L	1		SW-846 8082A	11/28/23	12/2/23 13:32	JM4
Aroclor-1242 [1]	ND	0.19	0.069	µg/L	1		SW-846 8082A	11/28/23	12/2/23 13:32	JM4
Aroclor-1248 [1]	ND	0.19	0.060	µg/L	1		SW-846 8082A	11/28/23	12/2/23 13:32	JM4
Aroclor-1254 [1]	ND	0.19	0.070	µg/L	1		SW-846 8082A	11/28/23	12/2/23 13:32	JM4
Aroclor-1260 [1]	ND	0.19	0.11	µg/L	1		SW-846 8082A	11/28/23	12/2/23 13:32	JM4
Aroclor-1262 [1]	ND	0.19	0.11	µg/L	1		SW-846 8082A	11/28/23	12/2/23 13:32	JM4
Aroclor-1268 [1]	ND	0.19	0.065	µg/L	1		SW-846 8082A	11/28/23	12/2/23 13:32	JM4

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	102	30-150		12/2/23 13:32
Decachlorobiphenyl [2]	108	30-150		12/2/23 13:32
Tetrachloro-m-xylene [1]	76.6	30-150		12/2/23 13:32
Tetrachloro-m-xylene [2]	73.5	30-150		12/2/23 13:32

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 250WATERST-MW2-WG Sampled: 11/21/2023 12:00

Sample ID: 23K2925-02

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.084	0.050	0.020	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:21	ATP
Antimony	0.15	0.050	0.011	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:21	ATP
Arsenic	ND	0.010	0.0073	mg/L	1		SW-846 6010D	11/28/23	12/2/23 19:27	MJH
Barium	0.099	0.050	0.0057	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:21	ATP
Beryllium	ND	0.0040	0.0012	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:21	ATP
Cadmium	ND	0.0040	0.0013	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:21	ATP
Calcium	81	0.50	0.091	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:21	ATP
Chromium	ND	0.010	0.0093	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:21	ATP
Cobalt	ND	0.010	0.0017	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:21	ATP
Copper	0.016	0.010	0.0047	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:21	ATP
Iron	0.25	0.050	0.023	mg/L	1		SW-846 6010D	11/28/23	12/2/23 19:27	MJH
Lead	ND	0.010	0.0065	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:21	ATP
Magnesium	19	0.050	0.016	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:21	ATP
Manganese	0.25	0.010	0.0028	mg/L	1		SW-846 6010D	11/28/23	12/2/23 19:27	MJH
Mercury	ND	0.00020	0.00014	mg/L	1		SW-846 7470A	12/5/23	12/6/23 13:06	ICP
Nickel	0.0031	0.010	0.0024	mg/L	1	J	SW-846 6010D	11/28/23	11/29/23 18:21	ATP
Potassium	15	2.0	0.33	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:21	ATP
Selenium	ND	0.050	0.018	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:21	ATP
Silver	ND	0.010	0.0027	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:21	ATP
Sodium	22	2.0	0.74	mg/L	1		SW-846 6010D	11/28/23	12/2/23 19:27	MJH
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:21	ATP
Vanadium	0.0072	0.010	0.0071	mg/L	1	J	SW-846 6010D	11/28/23	11/29/23 18:21	ATP
Zinc	0.020	0.010	0.0040	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:21	ATP

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 250WATERST-MW2-WG Sampled: 11/21/2023 12:00

Sample ID: 23K2925-02

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	0.020	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:26	ATP
Antimony	0.14	0.050	0.011	mg/L	1		SW-846 6010D	11/27/23	12/6/23 0:25	MJH
Arsenic	ND	0.010	0.0073	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:26	ATP
Barium	0.11	0.050	0.0057	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:26	ATP
Beryllium	ND	0.0040	0.0012	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:26	ATP
Cadmium	ND	0.0040	0.0013	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:26	ATP
Calcium	85	0.50	0.091	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:26	ATP
Chromium	ND	0.010	0.0093	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:26	ATP
Cobalt	0.0017	0.010	0.0017	mg/L	1	J	SW-846 6010D	11/27/23	11/30/23 13:26	ATP
Copper	0.0084	0.010	0.0047	mg/L	1	J	SW-846 6010D	11/27/23	12/6/23 0:25	MJH
Iron	0.031	0.050	0.023	mg/L	1	J	SW-846 6010D	11/27/23	11/30/23 13:26	ATP
Lead	ND	0.010	0.0065	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:26	ATP
Magnesium	19	0.050	0.016	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:26	ATP
Manganese	0.25	0.010	0.0028	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:26	ATP
Mercury	ND	0.00020	0.00014	mg/L	1		SW-846 7470A	12/4/23	12/5/23 14:27	ICP
Nickel	0.0045	0.010	0.0024	mg/L	1	J	SW-846 6010D	11/27/23	11/30/23 13:26	ATP
Potassium	15	2.0	0.33	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:26	ATP
Selenium	ND	0.050	0.018	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:26	ATP
Silver	ND	0.010	0.0027	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:26	ATP
Sodium	23	2.0	0.74	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:26	ATP
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:26	ATP
Vanadium	ND	0.010	0.0071	mg/L	1		SW-846 6010D	11/27/23	12/6/23 0:25	MJH
Zinc	0.016	0.010	0.0040	mg/L	1		SW-846 6010D	11/27/23	12/6/23 0:25	MJH

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 250WATERST-MW2-WG Sampled: 11/21/2023 12:00

Sample ID: 23K2925-02

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	ND	0.010	0.0070	mg/L	1		SW-846 9014	11/28/23	11/28/23 16:20	DET

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 250WATERST-MW2-WG Sampled: 11/21/2023 12:00

Sample ID: 23K2925-02

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Dissolved)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	ND	0.010	0.0070	mg/L	1		SW-846 9014	11/28/23	11/28/23 16:20	DET

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Project Location: 250 Water St, Manhattan, NY | Sample Description: | Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 250WATERST-MW3-WG | Sampled: 11/21/2023 11:00

Sample ID: 23K2925-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	11/27/23	11/28/23 3:19	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	11/27/23	11/28/23 3:19	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	11/27/23	11/28/23 3:19	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	11/27/23	11/28/23 3:19	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	11/27/23	11/28/23 3:19	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	11/27/23	11/28/23 3:19	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	11/27/23	11/28/23 3:19	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	11/27/23	11/28/23 3:19	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	11/27/23	11/28/23 3:19	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	11/27/23	11/28/23 3:19	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	11/27/23	11/28/23 3:19	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	11/27/23	11/28/23 3:19	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	11/27/23	11/28/23 3:19	MFF
Chloromethane	ND	2.0	0.50	µg/L	1	V-05	SW-846 8260D	11/27/23	11/28/23 3:19	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	11/27/23	11/28/23 3:19	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	11/27/23	11/28/23 3:19	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	11/27/23	11/28/23 3:19	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	11/27/23	11/28/23 3:19	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	11/27/23	11/28/23 3:19	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	11/27/23	11/28/23 3:19	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	11/27/23	11/28/23 3:19	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	11/27/23	11/28/23 3:19	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	11/27/23	11/28/23 3:19	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	11/27/23	11/28/23 3:19	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	11/27/23	11/28/23 3:19	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	11/27/23	11/28/23 3:19	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	11/27/23	11/28/23 3:19	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	11/27/23	11/28/23 3:19	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	11/27/23	11/28/23 3:19	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	11/27/23	11/28/23 3:19	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	11/27/23	11/28/23 3:19	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	11/27/23	11/28/23 3:19	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	11/27/23	11/28/23 3:19	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	11/27/23	11/28/23 3:19	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	11/27/23	11/28/23 3:19	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	11/27/23	11/28/23 3:19	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	11/27/23	11/28/23 3:19	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	11/27/23	11/28/23 3:19	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	11/27/23	11/28/23 3:19	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	11/27/23	11/28/23 3:19	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	11/27/23	11/28/23 3:19	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	11/27/23	11/28/23 3:19	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	11/27/23	11/28/23 3:19	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	11/27/23	11/28/23 3:19	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 250WATERST-MW3-WG Sampled: 11/21/2023 11:00

Sample ID: 23K2925-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	11/27/23	11/28/23 3:19	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	11/27/23	11/28/23 3:19	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	11/27/23	11/28/23 3:19	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	11/27/23	11/28/23 3:19	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	11/27/23	11/28/23 3:19	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	11/27/23	11/28/23 3:19	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	11/27/23	11/28/23 3:19	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	90.9	70-130		11/28/23 3:19
Toluene-d8	98.2	70-130		11/28/23 3:19
4-Bromofluorobenzene	85.8	70-130		11/28/23 3:19

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 250WATERST-MW3-WG Sampled: 11/21/2023 11:00

Sample ID: 23K2925-03

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			1			SW-846 8260D	11/27/23	11/28/23 3:19	MFF

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 250WATERST-MW3-WG Sampled: 11/21/2023 11:00

Sample ID: 23K2925-03

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	18	1.5	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:06	BGL
Benzaldehyde	ND	9.0	0.65	µg/L	1	L-04	SW-846 8270E	11/28/23	11/30/23 17:06	BGL
Biphenyl	ND	18	0.83	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:06	BGL
Caprolactam	ND	9.0	0.65	µg/L	1	L-04	SW-846 8270E	11/28/23	11/30/23 17:06	BGL
Acenaphthene	ND	4.5	0.71	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:06	BGL
Acenaphthylene	ND	4.5	0.58	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:06	BGL
Acetophenone	ND	9.0	0.45	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:06	BGL
Anthracene	ND	4.5	0.49	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:06	BGL
Benzo(a)anthracene	ND	4.5	0.34	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:06	BGL
Benzo(a)pyrene	ND	4.5	0.39	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:06	BGL
Benzo(b)fluoranthene	ND	4.5	0.29	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:06	BGL
Benzo(g,h,i)perylene	ND	4.5	0.47	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:06	BGL
Benzo(k)fluoranthene	ND	4.5	0.41	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:06	BGL
Bis(2-chloroethoxy)methane	ND	9.0	0.52	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:06	BGL
Bis(2-chloroethyl)ether	ND	9.0	0.41	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:06	BGL
Bis(2-chloroisopropyl)ether	ND	9.0	0.68	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:06	BGL
Bis(2-Ethylhexyl)phthalate	ND	9.0	0.29	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:06	BGL
4-Bromophenylphenylether	ND	9.0	0.64	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:06	BGL
Butylbenzylphthalate	ND	9.0	0.36	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:06	BGL
Carbazole	ND	9.0	0.41	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:06	BGL
4-Chloroaniline	ND	9.0	4.7	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:06	BGL
4-Chloro-3-methylphenol	ND	9.0	0.57	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:06	BGL
2-Chloronaphthalene	ND	9.0	0.73	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:06	BGL
2-Chlorophenol	ND	9.0	0.37	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:06	BGL
4-Chlorophenylphenylether	ND	9.0	0.78	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:06	BGL
Chrysene	ND	4.5	0.41	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:06	BGL
Dibenz(a,h)anthracene	ND	4.5	0.43	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:06	BGL
Dibenzofuran	ND	4.5	0.77	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:06	BGL
Di-n-butylphthalate	ND	9.0	0.45	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:06	BGL
3,3-Dichlorobenzidine	ND	9.0	0.41	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:06	BGL
2,4-Dichlorophenol	ND	9.0	0.42	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:06	BGL
Diethylphthalate	ND	9.0	0.50	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:06	BGL
2,4-Dimethylphenol	ND	9.0	0.37	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:06	BGL
Dimethylphthalate	ND	9.0	0.39	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:06	BGL
4,6-Dinitro-2-methylphenol	ND	18	2.1	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:06	BGL
2,4-Dinitrophenol	ND	9.0	1.2	µg/L	1	V-04	SW-846 8270E	11/28/23	11/30/23 17:06	BGL
2,4-Dinitrotoluene	ND	9.0	0.31	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:06	BGL
2,6-Dinitrotoluene	ND	9.0	0.50	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:06	BGL
Di-n-octylphthalate	ND	9.0	0.30	µg/L	1	V-04	SW-846 8270E	11/28/23	11/30/23 17:06	BGL
Fluoranthene	ND	4.5	0.51	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:06	BGL
Fluorene	ND	4.5	0.68	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:06	BGL
Hexachlorobenzene	ND	9.0	0.65	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:06	BGL
Hexachlorobutadiene	ND	9.0	1.1	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:06	BGL
Hexachlorocyclopentadiene	ND	9.0	2.6	µg/L	1	V-05	SW-846 8270E	11/28/23	11/30/23 17:06	BGL

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Project Location: 250 Water St, Manhattan, NY | Sample Description: | Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 250WATERST-MW3-WG | Sampled: 11/21/2023 11:00

Sample ID: 23K2925-03

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	9.0	1.1	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:06	BGL
Indeno(1,2,3-cd)pyrene	ND	4.5	0.43	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:06	BGL
Isophorone	ND	9.0	0.49	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:06	BGL
2-Methylnaphthalene	ND	4.5	0.84	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:06	BGL
2-Methylphenol	ND	9.0	0.41	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:06	BGL
3/4-Methylphenol	ND	9.0	0.43	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:06	BGL
Naphthalene	ND	4.5	0.82	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:06	BGL
2-Nitroaniline	ND	9.0	0.45	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:06	BGL
3-Nitroaniline	ND	9.0	0.47	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:06	BGL
4-Nitroaniline	ND	9.0	0.39	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:06	BGL
Nitrobenzene	ND	9.0	0.61	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:06	BGL
2-Nitrophenol	ND	9.0	0.49	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:06	BGL
4-Nitrophenol	ND	9.0	1.2	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:06	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	9.0	0.43	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:06	BGL
N-Nitrosodi-n-propylamine	ND	9.0	0.59	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:06	BGL
Pentachlorophenol	ND	9.0	0.43	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:06	BGL
Phenanthrene	ND	4.5	0.65	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:06	BGL
Phenol	8.3	9.0	0.53	µg/L	1	J	SW-846 8270E	11/28/23	11/30/23 17:06	BGL
Pyrene	ND	4.5	0.42	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:06	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.0	1.1	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:06	BGL
2,4,5-Trichlorophenol	ND	9.0	0.41	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:06	BGL
2,4,6-Trichlorophenol	ND	9.0	0.34	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:06	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	41.2	15-110		11/30/23 17:06
Phenol-d6	27.6	15-110		11/30/23 17:06
Nitrobenzene-d5	66.8	30-130		11/30/23 17:06
2-Fluorobiphenyl	64.5	30-130		11/30/23 17:06
2,4,6-Tribromophenol	79.9	15-110		11/30/23 17:06
p-Terphenyl-d14	75.8	30-130		11/30/23 17:06

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 250WATERST-MW3-WG Sampled: 11/21/2023 11:00

Sample ID: 23K2925-03

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.19	0.031	µg/L	1		SW-846 8270E	11/27/23	12/2/23 23:10	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	17.8	15-110		12/2/23 23:10	

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 250WATERST-MW3-WG Sampled: 11/21/2023 11:00

Sample ID: 23K2925-03

Sample Matrix: Ground Water

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			1			SW-846 8270E	11/28/23	11/30/23 17:06	BGL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 250WATERST-MW3-WG Sampled: 11/21/2023 11:00

Sample ID: 23K2925-03

Sample Matrix: Ground Water

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [1]	ND	0.18	0.035	µg/L	1		SW-846 8081B	11/28/23	12/2/23 9:23	TG
Aldrin [1]	ND	0.046	0.0066	µg/L	1		SW-846 8081B	11/28/23	12/2/23 9:23	TG
alpha-BHC [1]	ND	0.046	0.0034	µg/L	1		SW-846 8081B	11/28/23	12/2/23 9:23	TG
beta-BHC [1]	ND	0.046	0.0076	µg/L	1		SW-846 8081B	11/28/23	12/2/23 9:23	TG
delta-BHC [1]	ND	0.046	0.0054	µg/L	1		SW-846 8081B	11/28/23	12/2/23 9:23	TG
gamma-BHC (Lindane) [1]	ND	0.027	0.0038	µg/L	1		SW-846 8081B	11/28/23	12/2/23 9:23	TG
Chlordane [1]	ND	0.18	0.031	µg/L	1		SW-846 8081B	11/28/23	12/2/23 9:23	TG
4,4'-DDD [2]	ND	0.037	0.0036	µg/L	1		SW-846 8081B	11/28/23	12/2/23 9:23	TG
4,4'-DDE [1]	ND	0.037	0.0046	µg/L	1		SW-846 8081B	11/28/23	12/2/23 9:23	TG
4,4'-DDT [2]	ND	0.037	0.0036	µg/L	1		SW-846 8081B	11/28/23	12/2/23 9:23	TG
Dieldrin [1]	ND	0.0018	0.00093	µg/L	1		SW-846 8081B	11/28/23	12/2/23 9:23	TG
Endosulfan I [1]	ND	0.046	0.0047	µg/L	1		SW-846 8081B	11/28/23	12/2/23 9:23	TG
Endosulfan II [1]	ND	0.073	0.0035	µg/L	1		SW-846 8081B	11/28/23	12/2/23 9:23	TG
Endosulfan sulfate [1]	ND	0.073	0.0059	µg/L	1		SW-846 8081B	11/28/23	12/2/23 9:23	TG
Endrin [1]	ND	0.073	0.0038	µg/L	1		SW-846 8081B	11/28/23	12/2/23 9:23	TG
Endrin aldehyde [1]	ND	0.073	0.0041	µg/L	1		SW-846 8081B	11/28/23	12/2/23 9:23	TG
Endrin ketone [1]	ND	0.073	0.0036	µg/L	1		SW-846 8081B	11/28/23	12/2/23 9:23	TG
Heptachlor [1]	ND	0.046	0.0056	µg/L	1		SW-846 8081B	11/28/23	12/2/23 9:23	TG
Heptachlor epoxide [1]	ND	0.046	0.0063	µg/L	1		SW-846 8081B	11/28/23	12/2/23 9:23	TG
Hexachlorobenzene [1]	ND	0.046	0.026	µg/L	1		SW-846 8081B	11/28/23	12/2/23 9:23	TG
Methoxychlor [1]	ND	0.46	0.0095	µg/L	1		SW-846 8081B	11/28/23	12/2/23 9:23	TG
Toxaphene [1]	ND	0.92	0.61	µg/L	1		SW-846 8081B	11/28/23	12/2/23 9:23	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	109	30-150		12/2/23 9:23
Decachlorobiphenyl [2]	104	30-150		12/2/23 9:23
Tetrachloro-m-xylene [1]	85.5	30-150		12/2/23 9:23
Tetrachloro-m-xylene [2]	74.0	30-150		12/2/23 9:23

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 250WATERST-MW3-WG Sampled: 11/21/2023 11:00

Sample ID: 23K2925-03

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.18	0.12	µg/L	1		SW-846 8082A	11/28/23	12/2/23 13:49	JM4
Aroclor-1221 [1]	ND	0.18	0.074	µg/L	1		SW-846 8082A	11/28/23	12/2/23 13:49	JM4
Aroclor-1232 [1]	ND	0.18	0.067	µg/L	1		SW-846 8082A	11/28/23	12/2/23 13:49	JM4
Aroclor-1242 [1]	ND	0.18	0.067	µg/L	1		SW-846 8082A	11/28/23	12/2/23 13:49	JM4
Aroclor-1248 [1]	ND	0.18	0.058	µg/L	1		SW-846 8082A	11/28/23	12/2/23 13:49	JM4
Aroclor-1254 [1]	ND	0.18	0.069	µg/L	1		SW-846 8082A	11/28/23	12/2/23 13:49	JM4
Aroclor-1260 [1]	ND	0.18	0.11	µg/L	1		SW-846 8082A	11/28/23	12/2/23 13:49	JM4
Aroclor-1262 [1]	ND	0.18	0.11	µg/L	1		SW-846 8082A	11/28/23	12/2/23 13:49	JM4
Aroclor-1268 [1]	ND	0.18	0.063	µg/L	1		SW-846 8082A	11/28/23	12/2/23 13:49	JM4

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	107	30-150		12/2/23 13:49
Decachlorobiphenyl [2]	113	30-150		12/2/23 13:49
Tetrachloro-m-xylene [1]	80.2	30-150		12/2/23 13:49
Tetrachloro-m-xylene [2]	77.2	30-150		12/2/23 13:49

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 250WATERST-MW3-WG Sampled: 11/21/2023 11:00

Sample ID: 23K2925-03

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.12	0.050	0.020	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:29	ATP
Antimony	ND	0.050	0.011	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:29	ATP
Arsenic	ND	0.010	0.0073	mg/L	1		SW-846 6010D	11/28/23	12/2/23 19:35	MJH
Barium	0.22	0.050	0.0057	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:29	ATP
Beryllium	ND	0.0040	0.0012	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:29	ATP
Cadmium	ND	0.0040	0.0013	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:29	ATP
Calcium	41	0.50	0.091	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:29	ATP
Chromium	ND	0.010	0.0093	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:29	ATP
Cobalt	ND	0.010	0.0017	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:29	ATP
Copper	ND	0.010	0.0047	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:29	ATP
Iron	0.25	0.050	0.023	mg/L	1		SW-846 6010D	11/28/23	12/2/23 19:35	MJH
Lead	ND	0.010	0.0065	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:29	ATP
Magnesium	15	0.050	0.016	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:29	ATP
Manganese	1.1	0.010	0.0028	mg/L	1		SW-846 6010D	11/28/23	12/2/23 19:35	MJH
Mercury	ND	0.00020	0.00014	mg/L	1		SW-846 7470A	12/5/23	12/6/23 13:07	AV
Nickel	0.0076	0.010	0.0024	mg/L	1	J	SW-846 6010D	11/28/23	11/29/23 18:29	ATP
Potassium	22	2.0	0.33	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:29	ATP
Selenium	ND	0.050	0.018	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:29	ATP
Silver	ND	0.010	0.0027	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:29	ATP
Sodium	120	2.0	0.74	mg/L	1		SW-846 6010D	11/28/23	12/2/23 19:35	MJH
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:29	ATP
Vanadium	ND	0.010	0.0071	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:29	ATP
Zinc	ND	0.010	0.0040	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:29	ATP

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 250WATERST-MW3-WG Sampled: 11/21/2023 11:00

Sample ID: 23K2925-03

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	0.020	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:32	ATP
Antimony	ND	0.050	0.011	mg/L	1		SW-846 6010D	11/27/23	12/6/23 0:33	MJH
Arsenic	ND	0.010	0.0073	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:32	ATP
Barium	0.23	0.050	0.0057	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:32	ATP
Beryllium	ND	0.0040	0.0012	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:32	ATP
Cadmium	ND	0.0040	0.0013	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:32	ATP
Calcium	42	0.50	0.091	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:32	ATP
Chromium	ND	0.010	0.0093	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:32	ATP
Cobalt	0.0019	0.010	0.0017	mg/L	1	J	SW-846 6010D	11/27/23	11/30/23 13:32	ATP
Copper	ND	0.010	0.0047	mg/L	1		SW-846 6010D	11/27/23	12/6/23 0:33	MJH
Iron	ND	0.050	0.023	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:32	ATP
Lead	ND	0.010	0.0065	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:32	ATP
Magnesium	14	0.050	0.016	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:32	ATP
Manganese	0.97	0.010	0.0028	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:32	ATP
Mercury	ND	0.00020	0.00014	mg/L	1		SW-846 7470A	12/4/23	12/5/23 14:29	ICP
Nickel	0.0085	0.010	0.0024	mg/L	1	J	SW-846 6010D	11/27/23	11/30/23 13:32	ATP
Potassium	21	2.0	0.33	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:32	ATP
Selenium	ND	0.050	0.018	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:32	ATP
Silver	ND	0.010	0.0027	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:32	ATP
Sodium	120	2.0	0.74	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:32	ATP
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:32	ATP
Vanadium	ND	0.010	0.0071	mg/L	1		SW-846 6010D	11/27/23	12/6/23 0:33	MJH
Zinc	ND	0.010	0.0040	mg/L	1		SW-846 6010D	11/27/23	12/6/23 0:33	MJH

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 250WATERST-MW3-WG Sampled: 11/21/2023 11:00

Sample ID: 23K2925-03

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	ND	0.010	0.0070	mg/L	1		SW-846 9014	11/28/23	11/28/23 16:20	DET

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 250WATERST-MW3-WG Sampled: 11/21/2023 11:00

Sample ID: 23K2925-03

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Dissolved)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	ND	0.010	0.0070	mg/L	1		SW-846 9014	11/28/23	11/28/23 16:20	DET

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 250WATERST-MW4-WG Sampled: 11/21/2023 08:30

Sample ID: 23K2925-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:59	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:59	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:59	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:59	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:59	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:59	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:59	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:59	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:59	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:59	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:59	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:59	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:59	MFF
Chloromethane	ND	2.0	0.50	µg/L	1	V-05	SW-846 8260D	11/27/23	11/28/23 5:59	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:59	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:59	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:59	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:59	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:59	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:59	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:59	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:59	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:59	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:59	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:59	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:59	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:59	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:59	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:59	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:59	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:59	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:59	MFF
Isopropylbenzene (Cumene)	0.33	1.0	0.15	µg/L	1	J	SW-846 8260D	11/27/23	11/28/23 5:59	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:59	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:59	MFF
Methyl Cyclohexane	0.27	1.0	0.16	µg/L	1	J	SW-846 8260D	11/27/23	11/28/23 5:59	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:59	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:59	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:59	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:59	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:59	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:59	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:59	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:59	MFF

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 250WATERST-MW4-WG Sampled: 11/21/2023 08:30

Sample ID: 23K2925-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:59	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:59	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:59	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:59	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:59	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:59	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:59	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	96.4	70-130		11/28/23 5:59
Toluene-d8	99.6	70-130		11/28/23 5:59
4-Bromofluorobenzene	91.7	70-130		11/28/23 5:59

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 250WATERST-MW4-WG Sampled: 11/21/2023 08:30

Sample ID: 23K2925-04

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			1			SW-846 8260D	11/27/23	11/28/23 5:59	MFF

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 250WATERST-MW4-WG Sampled: 11/21/2023 08:30

Sample ID: 23K2925-04

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	22	1.8	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:28	BGL
Benzaldehyde	ND	11	0.81	µg/L	1	L-04	SW-846 8270E	11/28/23	11/30/23 17:28	BGL
Biphenyl	ND	22	1.0	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:28	BGL
Caprolactam	ND	11	0.80	µg/L	1	L-04, MS-09	SW-846 8270E	11/28/23	11/30/23 17:28	BGL
Acenaphthene	ND	5.6	0.88	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:28	BGL
Acenaphthylene	ND	5.6	0.72	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:28	BGL
Acetophenone	ND	11	0.56	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:28	BGL
Anthracene	ND	5.6	0.61	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:28	BGL
Benzo(a)anthracene	ND	5.6	0.42	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:28	BGL
Benzo(a)pyrene	ND	5.6	0.49	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:28	BGL
Benzo(b)fluoranthene	ND	5.6	0.36	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:28	BGL
Benzo(g,h,i)perylene	ND	5.6	0.59	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:28	BGL
Benzo(k)fluoranthene	ND	5.6	0.51	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:28	BGL
Bis(2-chloroethoxy)methane	ND	11	0.64	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:28	BGL
Bis(2-chloroethyl)ether	ND	11	0.51	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:28	BGL
Bis(2-chloroisopropyl)ether	ND	11	0.84	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:28	BGL
Bis(2-Ethylhexyl)phthalate	ND	11	0.36	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:28	BGL
4-Bromophenylphenylether	ND	11	0.80	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:28	BGL
Butylbenzylphthalate	ND	11	0.44	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:28	BGL
Carbazole	ND	11	0.51	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:28	BGL
4-Chloroaniline	ND	11	5.8	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:28	BGL
4-Chloro-3-methylphenol	ND	11	0.71	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:28	BGL
2-Chloronaphthalene	ND	11	0.91	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:28	BGL
2-Chlorophenol	ND	11	0.46	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:28	BGL
4-Chlorophenylphenylether	ND	11	0.98	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:28	BGL
Chrysene	ND	5.6	0.51	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:28	BGL
Dibenz(a,h)anthracene	ND	5.6	0.53	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:28	BGL
Dibenzofuran	ND	5.6	0.96	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:28	BGL
Di-n-butylphthalate	ND	11	0.56	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:28	BGL
3,3-Dichlorobenzidine	ND	11	0.51	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:28	BGL
2,4-Dichlorophenol	ND	11	0.52	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:28	BGL
Diethylphthalate	ND	11	0.62	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:28	BGL
2,4-Dimethylphenol	ND	11	0.46	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:28	BGL
Dimethylphthalate	ND	11	0.49	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:28	BGL
4,6-Dinitro-2-methylphenol	ND	22	2.6	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:28	BGL
2,4-Dinitrophenol	ND	11	1.5	µg/L	1	V-04	SW-846 8270E	11/28/23	11/30/23 17:28	BGL
2,4-Dinitrotoluene	ND	11	0.39	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:28	BGL
2,6-Dinitrotoluene	ND	11	0.62	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:28	BGL
Di-n-octylphthalate	ND	11	0.37	µg/L	1	V-04	SW-846 8270E	11/28/23	11/30/23 17:28	BGL
Fluoranthene	ND	5.6	0.63	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:28	BGL
Fluorene	ND	5.6	0.85	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:28	BGL
Hexachlorobenzene	ND	11	0.81	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:28	BGL
Hexachlorobutadiene	ND	11	1.4	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:28	BGL
Hexachlorocyclopentadiene	ND	11	3.2	µg/L	1	V-05	SW-846 8270E	11/28/23	11/30/23 17:28	BGL

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 250WATERST-MW4-WG Sampled: 11/21/2023 08:30

Sample ID: 23K2925-04

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	11	1.4	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:28	BGL
Indeno(1,2,3-cd)pyrene	ND	5.6	0.53	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:28	BGL
Isophorone	ND	11	0.61	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:28	BGL
2-Methylnaphthalene	ND	5.6	1.0	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:28	BGL
2-Methylphenol	ND	11	0.51	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:28	BGL
3/4-Methylphenol	ND	11	0.54	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:28	BGL
Naphthalene	ND	5.6	1.0	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:28	BGL
2-Nitroaniline	ND	11	0.56	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:28	BGL
3-Nitroaniline	ND	11	0.58	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:28	BGL
4-Nitroaniline	ND	11	0.49	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:28	BGL
Nitrobenzene	ND	11	0.76	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:28	BGL
2-Nitrophenol	ND	11	0.61	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:28	BGL
4-Nitrophenol	ND	11	1.4	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:28	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	11	0.54	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:28	BGL
N-Nitrosodi-n-propylamine	ND	11	0.73	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:28	BGL
Pentachlorophenol	ND	11	0.54	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:28	BGL
Phenanthrene	ND	5.6	0.80	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:28	BGL
Phenol	ND	11	0.67	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:28	BGL
Pyrene	ND	5.6	0.52	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:28	BGL
1,2,4,5-Tetrachlorobenzene	ND	11	1.3	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:28	BGL
2,4,5-Trichlorophenol	ND	11	0.51	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:28	BGL
2,4,6-Trichlorophenol	ND	11	0.42	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:28	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	59.5	15-110		11/30/23 17:28
Phenol-d6	43.6	15-110		11/30/23 17:28
Nitrobenzene-d5	89.2	30-130		11/30/23 17:28
2-Fluorobiphenyl	86.7	30-130		11/30/23 17:28
2,4,6-Tribromophenol	103	15-110		11/30/23 17:28
p-Terphenyl-d14	103	30-130		11/30/23 17:28

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 250WATERST-MW4-WG Sampled: 11/21/2023 08:30

Sample ID: 23K2925-04

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	0.20	0.20	0.032	µg/L	1		SW-846 8270E	11/27/23	12/2/23 23:30	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	19.9	15-110		12/2/23 23:30	

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Date Received: 11/22/2023

Field Sample #: 250WATERST-MW4-WG Sampled: 11/21/2023 08:30

Sample ID: 23K2925-04

Sample Matrix: Ground Water

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			1			SW-846 8270E	11/28/23	11/30/23 17:28	BGL

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Project Location: 250 Water St, Manhattan, NY | Sample Description: | Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 250WATERST-MW4-WG | Sampled: 11/21/2023 08:30

Sample ID: 23K2925-04

Sample Matrix: Ground Water

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [1]	ND	0.19	0.036	µg/L	1		SW-846 8081B	11/28/23	12/2/23 3:08	TG
Aldrin [1]	ND	0.048	0.0069	µg/L	1		SW-846 8081B	11/28/23	12/2/23 3:08	TG
alpha-BHC [1]	ND	0.048	0.0035	µg/L	1	R-06	SW-846 8081B	11/28/23	12/2/23 3:08	TG
beta-BHC [1]	ND	0.048	0.0079	µg/L	1		SW-846 8081B	11/28/23	12/2/23 3:08	TG
delta-BHC [1]	ND	0.048	0.0056	µg/L	1		SW-846 8081B	11/28/23	12/2/23 3:08	TG
gamma-BHC (Lindane) [1]	ND	0.029	0.0039	µg/L	1	R-06	SW-846 8081B	11/28/23	12/2/23 3:08	TG
Chlordane [1]	ND	0.19	0.032	µg/L	1		SW-846 8081B	11/28/23	12/2/23 3:08	TG
4,4'-DDD [1]	ND	0.038	0.0040	µg/L	1	V-20	SW-846 8081B	11/28/23	12/2/23 3:08	TG
4,4'-DDE [1]	ND	0.038	0.0048	µg/L	1		SW-846 8081B	11/28/23	12/2/23 3:08	TG
4,4'-DDT [1]	ND	0.038	0.0058	µg/L	1	V-20	SW-846 8081B	11/28/23	12/2/23 3:08	TG
Dieldrin [1]	ND	0.0019	0.00096	µg/L	1		SW-846 8081B	11/28/23	12/2/23 3:08	TG
Endosulfan I [1]	ND	0.048	0.0049	µg/L	1		SW-846 8081B	11/28/23	12/2/23 3:08	TG
Endosulfan II [1]	ND	0.076	0.0037	µg/L	1		SW-846 8081B	11/28/23	12/2/23 3:08	TG
Endosulfan sulfate [1]	ND	0.076	0.0061	µg/L	1		SW-846 8081B	11/28/23	12/2/23 3:08	TG
Endrin [1]	ND	0.076	0.0039	µg/L	1		SW-846 8081B	11/28/23	12/2/23 3:08	TG
Endrin aldehyde [1]	ND	0.076	0.0042	µg/L	1		SW-846 8081B	11/28/23	12/2/23 9:45	TG
Endrin ketone [1]	ND	0.076	0.0037	µg/L	1		SW-846 8081B	11/28/23	12/2/23 3:08	TG
Heptachlor [1]	ND	0.048	0.0058	µg/L	1	R-06	SW-846 8081B	11/28/23	12/2/23 3:08	TG
Heptachlor epoxide [1]	ND	0.048	0.0065	µg/L	1		SW-846 8081B	11/28/23	12/2/23 3:08	TG
Hexachlorobenzene [1]	ND	0.048	0.027	µg/L	1	R-06	SW-846 8081B	11/28/23	12/2/23 3:08	TG
Methoxychlor [1]	ND	0.48	0.0099	µg/L	1		SW-846 8081B	11/28/23	12/2/23 3:08	TG
Toxaphene [1]	ND	0.95	0.63	µg/L	1		SW-846 8081B	11/28/23	12/2/23 3:08	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	85.1	30-150		12/2/23 3:08
Decachlorobiphenyl [2]	88.5	30-150		12/2/23 3:08
Tetrachloro-m-xylene [1]	69.2	30-150		12/2/23 3:08
Tetrachloro-m-xylene [2]	62.5	30-150		12/2/23 3:08

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 250WATERST-MW4-WG Sampled: 11/21/2023 08:30

Sample ID: 23K2925-04

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.19	0.12	µg/L	1		SW-846 8082A	11/28/23	12/2/23 14:05	JM4
Aroclor-1221 [1]	ND	0.19	0.077	µg/L	1		SW-846 8082A	11/28/23	12/2/23 14:05	JM4
Aroclor-1232 [1]	ND	0.19	0.070	µg/L	1		SW-846 8082A	11/28/23	12/2/23 14:05	JM4
Aroclor-1242 [1]	ND	0.19	0.070	µg/L	1		SW-846 8082A	11/28/23	12/2/23 14:05	JM4
Aroclor-1248 [1]	ND	0.19	0.061	µg/L	1		SW-846 8082A	11/28/23	12/2/23 14:05	JM4
Aroclor-1254 [1]	ND	0.19	0.071	µg/L	1		SW-846 8082A	11/28/23	12/2/23 14:05	JM4
Aroclor-1260 [1]	ND	0.19	0.11	µg/L	1		SW-846 8082A	11/28/23	12/2/23 14:05	JM4
Aroclor-1262 [1]	ND	0.19	0.11	µg/L	1		SW-846 8082A	11/28/23	12/2/23 14:05	JM4
Aroclor-1268 [1]	ND	0.19	0.065	µg/L	1		SW-846 8082A	11/28/23	12/2/23 14:05	JM4

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	109	30-150		12/2/23 14:05
Decachlorobiphenyl [2]	114	30-150		12/2/23 14:05
Tetrachloro-m-xylene [1]	80.8	30-150		12/2/23 14:05
Tetrachloro-m-xylene [2]	77.6	30-150		12/2/23 14:05

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 250WATERST-MW4-WG Sampled: 11/21/2023 08:30

Sample ID: 23K2925-04

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.032	0.050	0.020	mg/L	1	J	SW-846 6010D	11/28/23	12/2/23 18:42	MJH
Antimony	ND	0.050	0.011	mg/L	1		SW-846 6010D	11/28/23	12/2/23 18:42	MJH
Arsenic	ND	0.010	0.0073	mg/L	1		SW-846 6010D	11/28/23	12/2/23 18:42	MJH
Barium	0.11	0.050	0.0057	mg/L	1		SW-846 6010D	11/28/23	12/2/23 18:42	MJH
Beryllium	ND	0.0040	0.0012	mg/L	1		SW-846 6010D	11/28/23	12/2/23 18:42	MJH
Cadmium	ND	0.0040	0.0013	mg/L	1		SW-846 6010D	11/28/23	12/5/23 21:34	HNN
Calcium	96	0.50	0.091	mg/L	1	MS-19	SW-846 6010D	11/28/23	12/2/23 18:42	MJH
Chromium	ND	0.010	0.0093	mg/L	1		SW-846 6010D	11/28/23	12/2/23 18:42	MJH
Cobalt	ND	0.010	0.0017	mg/L	1		SW-846 6010D	11/28/23	12/2/23 18:42	MJH
Copper	ND	0.010	0.0047	mg/L	1		SW-846 6010D	11/28/23	12/2/23 18:42	MJH
Iron	1.6	0.050	0.023	mg/L	1		SW-846 6010D	11/28/23	12/2/23 18:42	MJH
Lead	ND	0.010	0.0065	mg/L	1		SW-846 6010D	11/28/23	12/5/23 21:34	HNN
Magnesium	26	0.050	0.016	mg/L	1	MS-19	SW-846 6010D	11/28/23	12/2/23 18:42	MJH
Manganese	0.83	0.010	0.0028	mg/L	1		SW-846 6010D	11/28/23	12/2/23 18:42	MJH
Mercury	ND	0.00020	0.00014	mg/L	1		SW-846 7470A	12/5/23	12/6/23 13:02	ICP
Nickel	ND	0.010	0.0024	mg/L	1		SW-846 6010D	11/28/23	12/2/23 18:42	MJH
Potassium	24	2.0	0.33	mg/L	1		SW-846 6010D	11/28/23	12/2/23 18:42	MJH
Selenium	ND	0.050	0.018	mg/L	1		SW-846 6010D	11/28/23	12/2/23 18:42	MJH
Silver	ND	0.010	0.0027	mg/L	1		SW-846 6010D	11/28/23	12/2/23 18:42	MJH
Sodium	310	2.0	0.74	mg/L	1	MS-19	SW-846 6010D	11/28/23	12/2/23 18:42	MJH
Thallium	ND	0.050	0.019	mg/L	1	M-08	SW-846 6010D	11/28/23	12/2/23 18:42	MJH
Vanadium	ND	0.010	0.0071	mg/L	1		SW-846 6010D	11/28/23	12/2/23 18:42	MJH
Zinc	ND	0.010	0.0040	mg/L	1		SW-846 6010D	11/28/23	12/2/23 18:42	MJH

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 250WATERST-MW4-WG Sampled: 11/21/2023 08:30

Sample ID: 23K2925-04

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	0.020	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:15	ATP
Antimony	ND	0.050	0.011	mg/L	1		SW-846 6010D	11/27/23	12/6/23 0:12	MJH
Arsenic	ND	0.010	0.0073	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:15	ATP
Barium	0.11	0.050	0.0057	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:15	ATP
Beryllium	ND	0.0040	0.0012	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:15	ATP
Cadmium	ND	0.0040	0.0013	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:15	ATP
Calcium	93	0.50	0.091	mg/L	1	MS-19	SW-846 6010D	11/27/23	11/30/23 13:15	ATP
Chromium	ND	0.010	0.0093	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:15	ATP
Cobalt	ND	0.010	0.0017	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:15	ATP
Copper	ND	0.010	0.0047	mg/L	1		SW-846 6010D	11/27/23	12/6/23 0:12	MJH
Iron	1.4	0.050	0.023	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:15	ATP
Lead	ND	0.010	0.0065	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:15	ATP
Magnesium	25	0.050	0.016	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:15	ATP
Manganese	0.80	0.010	0.0028	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:15	ATP
Mercury	ND	0.00020	0.00014	mg/L	1		SW-846 7470A	12/4/23	12/5/23 14:31	ICP
Nickel	ND	0.010	0.0024	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:15	ATP
Potassium	22	2.0	0.33	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:15	ATP
Selenium	ND	0.050	0.018	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:15	ATP
Silver	ND	0.010	0.0027	mg/L	1	Z-01	SW-846 6010D	11/27/23	11/30/23 13:15	ATP
Sodium	310	2.0	0.74	mg/L	1	MS-19	SW-846 6010D	11/27/23	11/30/23 13:15	ATP
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:15	ATP
Vanadium	0.0075	0.010	0.0071	mg/L	1	J	SW-846 6010D	11/27/23	12/6/23 0:12	MJH
Zinc	ND	0.010	0.0040	mg/L	1		SW-846 6010D	11/27/23	12/6/23 0:12	MJH

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 250WATERST-MW4-WG Sampled: 11/21/2023 08:30

Sample ID: 23K2925-04

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	ND	0.010	0.0070	mg/L	1		SW-846 9014	11/28/23	11/28/23 16:20	DET

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Field Sample #: 250WATERST-MW4-WG Sampled: 11/21/2023 08:30

Sample ID: 23K2925-04

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Dissolved)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	ND	0.010	0.0070	mg/L	1		SW-846 9014	11/28/23	11/28/23 16:20	DET

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 240WATERST-DUP-WG-20230802 Sampled: 11/21/2023 00:00

Sample ID: 23K2925-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:33	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:33	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:33	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:33	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:33	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:33	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:33	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:33	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:33	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:33	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:33	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:33	MFF
Chloroform	5.0	2.0	0.14	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:33	MFF
Chloromethane	ND	2.0	0.50	µg/L	1	V-05	SW-846 8260D	11/27/23	11/28/23 5:33	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:33	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:33	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:33	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:33	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:33	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:33	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:33	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:33	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:33	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:33	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:33	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:33	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:33	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:33	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:33	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:33	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:33	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:33	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:33	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:33	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:33	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:33	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:33	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:33	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:33	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:33	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:33	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:33	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:33	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:33	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 240WATERST-DUP-WG-20230802 Sampled: 11/21/2023 00:00

Sample ID: 23K2925-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:33	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:33	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:33	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:33	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:33	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:33	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	11/27/23	11/28/23 5:33	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	96.1	70-130		11/28/23 5:33
Toluene-d8	98.8	70-130		11/28/23 5:33
4-Bromofluorobenzene	84.6	70-130		11/28/23 5:33

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 240WATERST-DUP-WG-20230802 Sampled: 11/21/2023 00:00

Sample ID: 23K2925-05

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			1			SW-846 8260D	11/27/23	11/28/23 5:33	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 240WATERST-DUP-WG-20230802 Sampled: 11/21/2023 00:00

Sample ID: 23K2925-05

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	18	1.5	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:49	BGL
Benzaldehyde	ND	9.0	0.65	µg/L	1	L-04	SW-846 8270E	11/28/23	11/30/23 17:49	BGL
Biphenyl	ND	18	0.83	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:49	BGL
Caprolactam	ND	9.0	0.65	µg/L	1	L-04	SW-846 8270E	11/28/23	11/30/23 17:49	BGL
Acenaphthene	ND	4.5	0.71	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:49	BGL
Acenaphthylene	ND	4.5	0.58	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:49	BGL
Acetophenone	ND	9.0	0.45	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:49	BGL
Anthracene	ND	4.5	0.49	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:49	BGL
Benzo(a)anthracene	ND	4.5	0.34	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:49	BGL
Benzo(a)pyrene	ND	4.5	0.39	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:49	BGL
Benzo(b)fluoranthene	ND	4.5	0.29	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:49	BGL
Benzo(g,h,i)perylene	ND	4.5	0.47	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:49	BGL
Benzo(k)fluoranthene	ND	4.5	0.41	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:49	BGL
Bis(2-chloroethoxy)methane	ND	9.0	0.52	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:49	BGL
Bis(2-chloroethyl)ether	ND	9.0	0.41	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:49	BGL
Bis(2-chloroisopropyl)ether	ND	9.0	0.68	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:49	BGL
Bis(2-Ethylhexyl)phthalate	ND	9.0	0.29	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:49	BGL
4-Bromophenylphenylether	ND	9.0	0.64	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:49	BGL
Butylbenzylphthalate	ND	9.0	0.36	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:49	BGL
Carbazole	ND	9.0	0.41	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:49	BGL
4-Chloroaniline	ND	9.0	4.7	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:49	BGL
4-Chloro-3-methylphenol	ND	9.0	0.57	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:49	BGL
2-Chloronaphthalene	ND	9.0	0.73	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:49	BGL
2-Chlorophenol	ND	9.0	0.37	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:49	BGL
4-Chlorophenylphenylether	ND	9.0	0.79	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:49	BGL
Chrysene	ND	4.5	0.41	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:49	BGL
Dibenz(a,h)anthracene	ND	4.5	0.43	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:49	BGL
Dibenzofuran	ND	4.5	0.77	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:49	BGL
Di-n-butylphthalate	ND	9.0	0.45	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:49	BGL
3,3-Dichlorobenzidine	ND	9.0	0.41	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:49	BGL
2,4-Dichlorophenol	ND	9.0	0.42	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:49	BGL
Diethylphthalate	ND	9.0	0.50	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:49	BGL
2,4-Dimethylphenol	ND	9.0	0.37	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:49	BGL
Dimethylphthalate	ND	9.0	0.39	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:49	BGL
4,6-Dinitro-2-methylphenol	ND	18	2.1	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:49	BGL
2,4-Dinitrophenol	ND	9.0	1.2	µg/L	1	V-04	SW-846 8270E	11/28/23	11/30/23 17:49	BGL
2,4-Dinitrotoluene	ND	9.0	0.31	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:49	BGL
2,6-Dinitrotoluene	ND	9.0	0.50	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:49	BGL
Di-n-octylphthalate	ND	9.0	0.30	µg/L	1	V-04	SW-846 8270E	11/28/23	11/30/23 17:49	BGL
Fluoranthene	ND	4.5	0.51	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:49	BGL
Fluorene	ND	4.5	0.69	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:49	BGL
Hexachlorobenzene	ND	9.0	0.65	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:49	BGL
Hexachlorobutadiene	ND	9.0	1.1	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:49	BGL
Hexachlorocyclopentadiene	ND	9.0	2.6	µg/L	1	V-05	SW-846 8270E	11/28/23	11/30/23 17:49	BGL

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 240WATERST-DUP-WG-20230802 Sampled: 11/21/2023 00:00

Sample ID: 23K2925-05

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	9.0	1.1	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:49	BGL
Indeno(1,2,3-cd)pyrene	ND	4.5	0.43	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:49	BGL
Isophorone	ND	9.0	0.49	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:49	BGL
2-Methylnaphthalene	ND	4.5	0.84	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:49	BGL
2-Methylphenol	ND	9.0	0.41	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:49	BGL
3/4-Methylphenol	ND	9.0	0.43	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:49	BGL
Naphthalene	ND	4.5	0.82	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:49	BGL
2-Nitroaniline	ND	9.0	0.45	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:49	BGL
3-Nitroaniline	ND	9.0	0.47	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:49	BGL
4-Nitroaniline	ND	9.0	0.39	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:49	BGL
Nitrobenzene	ND	9.0	0.61	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:49	BGL
2-Nitrophenol	ND	9.0	0.49	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:49	BGL
4-Nitrophenol	ND	9.0	1.2	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:49	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	9.0	0.43	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:49	BGL
N-Nitrosodi-n-propylamine	ND	9.0	0.59	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:49	BGL
Pentachlorophenol	ND	9.0	0.43	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:49	BGL
Phenanthrene	ND	4.5	0.65	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:49	BGL
Phenol	ND	9.0	0.54	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:49	BGL
Pyrene	ND	4.5	0.42	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:49	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.0	1.1	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:49	BGL
2,4,5-Trichlorophenol	ND	9.0	0.41	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:49	BGL
2,4,6-Trichlorophenol	ND	9.0	0.34	µg/L	1		SW-846 8270E	11/28/23	11/30/23 17:49	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	40.1	15-110		11/30/23 17:49
Phenol-d6	28.6	15-110		11/30/23 17:49
Nitrobenzene-d5	69.3	30-130		11/30/23 17:49
2-Fluorobiphenyl	70.1	30-130		11/30/23 17:49
2,4,6-Tribromophenol	86.5	15-110		11/30/23 17:49
p-Terphenyl-d14	88.7	30-130		11/30/23 17:49

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 240WATERST-DUP-WG-20230802 Sampled: 11/21/2023 00:00

Sample ID: 23K2925-05

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.21	0.034	µg/L	1		SW-846 8270E	11/27/23	12/3/23 0:30	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	17.5	15-110		12/3/23 0:30	

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 240WATERST-DUP-WG-20230802 Sampled: 11/21/2023 00:00

Sample ID: 23K2925-05

Sample Matrix: Ground Water

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			1			SW-846 8270E	11/28/23	11/30/23 17:49	BGL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 240WATERST-DUP-WG-20230802 Sampled: 11/21/2023 00:00

Sample ID: 23K2925-05

Sample Matrix: Ground Water

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [1]	ND	0.19	0.036	µg/L	1		SW-846 8081B	11/28/23	12/2/23 10:06	TG
Aldrin [1]	ND	0.048	0.0069	µg/L	1		SW-846 8081B	11/28/23	12/2/23 10:06	TG
alpha-BHC [1]	ND	0.048	0.0035	µg/L	1		SW-846 8081B	11/28/23	12/2/23 10:06	TG
beta-BHC [1]	ND	0.048	0.0079	µg/L	1		SW-846 8081B	11/28/23	12/2/23 10:06	TG
delta-BHC [1]	ND	0.048	0.0056	µg/L	1		SW-846 8081B	11/28/23	12/2/23 10:06	TG
gamma-BHC (Lindane) [1]	ND	0.029	0.0039	µg/L	1		SW-846 8081B	11/28/23	12/2/23 10:06	TG
Chlordane [1]	ND	0.19	0.032	µg/L	1		SW-846 8081B	11/28/23	12/2/23 10:06	TG
4,4'-DDD [2]	ND	0.038	0.0038	µg/L	1		SW-846 8081B	11/28/23	12/2/23 10:06	TG
4,4'-DDE [1]	ND	0.038	0.0048	µg/L	1		SW-846 8081B	11/28/23	12/2/23 10:06	TG
4,4'-DDT [2]	ND	0.038	0.0037	µg/L	1		SW-846 8081B	11/28/23	12/2/23 10:06	TG
Dieldrin [1]	ND	0.0019	0.00096	µg/L	1		SW-846 8081B	11/28/23	12/2/23 10:06	TG
Endosulfan I [1]	ND	0.048	0.0049	µg/L	1		SW-846 8081B	11/28/23	12/2/23 10:06	TG
Endosulfan II [1]	ND	0.076	0.0037	µg/L	1		SW-846 8081B	11/28/23	12/2/23 10:06	TG
Endosulfan sulfate [1]	ND	0.076	0.0061	µg/L	1		SW-846 8081B	11/28/23	12/2/23 10:06	TG
Endrin [1]	ND	0.076	0.0039	µg/L	1		SW-846 8081B	11/28/23	12/2/23 10:06	TG
Endrin aldehyde [1]	ND	0.076	0.0042	µg/L	1		SW-846 8081B	11/28/23	12/2/23 10:06	TG
Endrin ketone [1]	ND	0.076	0.0037	µg/L	1		SW-846 8081B	11/28/23	12/2/23 10:06	TG
Heptachlor [1]	ND	0.048	0.0058	µg/L	1		SW-846 8081B	11/28/23	12/2/23 10:06	TG
Heptachlor epoxide [1]	ND	0.048	0.0065	µg/L	1		SW-846 8081B	11/28/23	12/2/23 10:06	TG
Hexachlorobenzene [1]	ND	0.048	0.027	µg/L	1		SW-846 8081B	11/28/23	12/2/23 10:06	TG
Methoxychlor [1]	ND	0.48	0.0099	µg/L	1		SW-846 8081B	11/28/23	12/2/23 10:06	TG
Toxaphene [1]	ND	0.95	0.63	µg/L	1		SW-846 8081B	11/28/23	12/2/23 10:06	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	107	30-150		12/2/23 10:06
Decachlorobiphenyl [2]	105	30-150		12/2/23 10:06
Tetrachloro-m-xylene [1]	73.4	30-150		12/2/23 10:06
Tetrachloro-m-xylene [2]	53.5	30-150		12/2/23 10:06

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 240WATERST-DUP-WG-20230802 Sampled: 11/21/2023 00:00

Sample ID: 23K2925-05

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.19	0.12	µg/L	1		SW-846 8082A	11/28/23	12/2/23 14:22	JM4
Aroclor-1221 [1]	ND	0.19	0.077	µg/L	1		SW-846 8082A	11/28/23	12/2/23 14:22	JM4
Aroclor-1232 [1]	ND	0.19	0.070	µg/L	1		SW-846 8082A	11/28/23	12/2/23 14:22	JM4
Aroclor-1242 [1]	ND	0.19	0.070	µg/L	1		SW-846 8082A	11/28/23	12/2/23 14:22	JM4
Aroclor-1248 [1]	ND	0.19	0.061	µg/L	1		SW-846 8082A	11/28/23	12/2/23 14:22	JM4
Aroclor-1254 [1]	ND	0.19	0.071	µg/L	1		SW-846 8082A	11/28/23	12/2/23 14:22	JM4
Aroclor-1260 [1]	ND	0.19	0.11	µg/L	1		SW-846 8082A	11/28/23	12/2/23 14:22	JM4
Aroclor-1262 [1]	ND	0.19	0.11	µg/L	1		SW-846 8082A	11/28/23	12/2/23 14:22	JM4
Aroclor-1268 [1]	ND	0.19	0.065	µg/L	1		SW-846 8082A	11/28/23	12/2/23 14:22	JM4

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	100	30-150		12/2/23 14:22
Decachlorobiphenyl [2]	106	30-150		12/2/23 14:22
Tetrachloro-m-xylene [1]	59.3	30-150		12/2/23 14:22
Tetrachloro-m-xylene [2]	56.3	30-150		12/2/23 14:22

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 240WATERST-DUP-WG-20230802 Sampled: 11/21/2023 00:00

Sample ID: 23K2925-05

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.16	0.050	0.020	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:35	ATP
Antimony	ND	0.050	0.011	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:35	ATP
Arsenic	ND	0.010	0.0073	mg/L	1		SW-846 6010D	11/28/23	12/2/23 19:41	MJH
Barium	0.11	0.050	0.0057	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:35	ATP
Beryllium	ND	0.0040	0.0012	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:35	ATP
Cadmium	ND	0.0040	0.0013	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:35	ATP
Calcium	49	0.50	0.091	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:35	ATP
Chromium	ND	0.010	0.0093	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:35	ATP
Cobalt	ND	0.010	0.0017	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:35	ATP
Copper	ND	0.010	0.0047	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:35	ATP
Iron	0.18	0.050	0.023	mg/L	1		SW-846 6010D	11/28/23	12/2/23 19:41	MJH
Lead	ND	0.010	0.0065	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:35	ATP
Magnesium	8.6	0.050	0.016	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:35	ATP
Manganese	0.018	0.010	0.0028	mg/L	1		SW-846 6010D	11/28/23	12/2/23 19:41	MJH
Mercury	ND	0.00020	0.00014	mg/L	1		SW-846 7470A	12/5/23	12/6/23 13:34	AV
Nickel	ND	0.010	0.0024	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:35	ATP
Potassium	4.8	2.0	0.33	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:35	ATP
Selenium	ND	0.050	0.018	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:35	ATP
Silver	ND	0.010	0.0027	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:35	ATP
Sodium	12	2.0	0.74	mg/L	1		SW-846 6010D	11/28/23	12/2/23 19:41	MJH
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:35	ATP
Vanadium	0.0072	0.010	0.0071	mg/L	1	J	SW-846 6010D	11/28/23	11/29/23 18:35	ATP
Zinc	ND	0.010	0.0040	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:35	ATP

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 240WATERST-DUP-WG-20230802 Sampled: 11/21/2023 00:00

Sample ID: 23K2925-05

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	0.020	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:37	ATP
Antimony	ND	0.050	0.011	mg/L	1		SW-846 6010D	11/27/23	12/6/23 0:52	MJH
Arsenic	ND	0.010	0.0073	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:37	ATP
Barium	0.10	0.050	0.0057	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:37	ATP
Beryllium	ND	0.0040	0.0012	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:37	ATP
Cadmium	ND	0.0040	0.0013	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:37	ATP
Calcium	45	0.50	0.091	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:37	ATP
Chromium	ND	0.010	0.0093	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:37	ATP
Cobalt	ND	0.010	0.0017	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:37	ATP
Copper	ND	0.010	0.0047	mg/L	1		SW-846 6010D	11/27/23	12/6/23 0:52	MJH
Iron	ND	0.050	0.023	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:37	ATP
Lead	ND	0.010	0.0065	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:37	ATP
Magnesium	8.1	0.050	0.016	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:37	ATP
Manganese	ND	0.010	0.0028	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:37	ATP
Mercury	ND	0.00020	0.00014	mg/L	1		SW-846 7470A	12/4/23	12/5/23 14:33	ICP
Nickel	ND	0.010	0.0024	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:37	ATP
Potassium	4.7	2.0	0.33	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:37	ATP
Selenium	ND	0.050	0.018	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:37	ATP
Silver	ND	0.010	0.0027	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:37	ATP
Sodium	12	2.0	0.74	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:37	ATP
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:37	ATP
Vanadium	ND	0.010	0.0071	mg/L	1		SW-846 6010D	11/27/23	12/6/23 0:52	MJH
Zinc	ND	0.010	0.0040	mg/L	1		SW-846 6010D	11/27/23	12/6/23 0:52	MJH

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 240WATERST-DUP-WG-20230802 Sampled: 11/21/2023 00:00

Sample ID: 23K2925-05

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	ND	0.010	0.0070	mg/L	1		SW-846 9014	11/28/23	11/28/23 16:20	DET

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 240WATERST-DUP-WG-20230802 Sampled: 11/21/2023 00:00

Sample ID: 23K2925-05

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Dissolved)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	ND	0.010	0.0070	mg/L	1		SW-846 9014	11/28/23	11/28/23 16:20	DET

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 250WATERST-EB-20230802 Sampled: 11/21/2023 13:30

Sample ID: 23K2925-06

Sample Matrix: Equipment Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	11/27/23	11/28/23 0:39	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	11/27/23	11/28/23 0:39	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	11/27/23	11/28/23 0:39	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	11/27/23	11/28/23 0:39	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	11/27/23	11/28/23 0:39	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	11/27/23	11/28/23 0:39	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	11/27/23	11/28/23 0:39	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	11/27/23	11/28/23 0:39	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	11/27/23	11/28/23 0:39	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	11/27/23	11/28/23 0:39	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	11/27/23	11/28/23 0:39	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	11/27/23	11/28/23 0:39	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	11/27/23	11/28/23 0:39	MFF
Chloromethane	ND	2.0	0.50	µg/L	1	V-05	SW-846 8260D	11/27/23	11/28/23 0:39	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	11/27/23	11/28/23 0:39	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	11/27/23	11/28/23 0:39	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	11/27/23	11/28/23 0:39	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	11/27/23	11/28/23 0:39	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	11/27/23	11/28/23 0:39	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	11/27/23	11/28/23 0:39	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	11/27/23	11/28/23 0:39	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	11/27/23	11/28/23 0:39	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	11/27/23	11/28/23 0:39	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	11/27/23	11/28/23 0:39	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	11/27/23	11/28/23 0:39	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	11/27/23	11/28/23 0:39	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	11/27/23	11/28/23 0:39	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	11/27/23	11/28/23 0:39	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	11/27/23	11/28/23 0:39	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	11/27/23	11/28/23 0:39	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	11/27/23	11/28/23 0:39	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	11/27/23	11/28/23 0:39	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	11/27/23	11/28/23 0:39	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	11/27/23	11/28/23 0:39	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	11/27/23	11/28/23 0:39	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	11/27/23	11/28/23 0:39	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	11/27/23	11/28/23 0:39	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	11/27/23	11/28/23 0:39	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	11/27/23	11/28/23 0:39	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	11/27/23	11/28/23 0:39	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	11/27/23	11/28/23 0:39	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	11/27/23	11/28/23 0:39	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	11/27/23	11/28/23 0:39	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	11/27/23	11/28/23 0:39	MFF

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 250WATERST-EB-20230802 Sampled: 11/21/2023 13:30

Sample ID: 23K2925-06

Sample Matrix: Equipment Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	11/27/23	11/28/23 0:39	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	11/27/23	11/28/23 0:39	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	11/27/23	11/28/23 0:39	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	11/27/23	11/28/23 0:39	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	11/27/23	11/28/23 0:39	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	11/27/23	11/28/23 0:39	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	11/27/23	11/28/23 0:39	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	94.9	70-130		11/28/23 0:39
Toluene-d8	100	70-130		11/28/23 0:39
4-Bromofluorobenzene	86.2	70-130		11/28/23 0:39

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 250WATERST-EB-20230802 Sampled: 11/21/2023 13:30

Sample ID: 23K2925-06

Sample Matrix: Equipment Blank Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			1			SW-846 8260D	11/27/23	11/28/23 0:39	MFF

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 250WATERST-EB-20230802 Sampled: 11/21/2023 13:30

Sample ID: 23K2925-06

Sample Matrix: Equipment Blank Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	19	1.6	µg/L	1		SW-846 8270E	11/28/23	11/30/23 18:11	BGL
Benzaldehyde	ND	9.7	0.70	µg/L	1	L-04	SW-846 8270E	11/28/23	11/30/23 18:11	BGL
Biphenyl	ND	19	0.89	µg/L	1		SW-846 8270E	11/28/23	11/30/23 18:11	BGL
Caprolactam	ND	9.7	0.69	µg/L	1	L-04	SW-846 8270E	11/28/23	11/30/23 18:11	BGL
Acenaphthene	ND	4.8	0.76	µg/L	1		SW-846 8270E	11/28/23	11/30/23 18:11	BGL
Acenaphthylene	ND	4.8	0.62	µg/L	1		SW-846 8270E	11/28/23	11/30/23 18:11	BGL
Acetophenone	ND	9.7	0.49	µg/L	1		SW-846 8270E	11/28/23	11/30/23 18:11	BGL
Anthracene	ND	4.8	0.53	µg/L	1		SW-846 8270E	11/28/23	11/30/23 18:11	BGL
Benzo(a)anthracene	ND	4.8	0.37	µg/L	1		SW-846 8270E	11/28/23	11/30/23 18:11	BGL
Benzo(a)pyrene	ND	4.8	0.42	µg/L	1		SW-846 8270E	11/28/23	11/30/23 18:11	BGL
Benzo(b)fluoranthene	ND	4.8	0.31	µg/L	1		SW-846 8270E	11/28/23	11/30/23 18:11	BGL
Benzo(g,h,i)perylene	ND	4.8	0.51	µg/L	1		SW-846 8270E	11/28/23	11/30/23 18:11	BGL
Benzo(k)fluoranthene	ND	4.8	0.44	µg/L	1		SW-846 8270E	11/28/23	11/30/23 18:11	BGL
Bis(2-chloroethoxy)methane	ND	9.7	0.56	µg/L	1		SW-846 8270E	11/28/23	11/30/23 18:11	BGL
Bis(2-chloroethyl)ether	ND	9.7	0.44	µg/L	1		SW-846 8270E	11/28/23	11/30/23 18:11	BGL
Bis(2-chloroisopropyl)ether	ND	9.7	0.73	µg/L	1		SW-846 8270E	11/28/23	11/30/23 18:11	BGL
Bis(2-Ethylhexyl)phthalate	ND	9.7	0.31	µg/L	1		SW-846 8270E	11/28/23	11/30/23 18:11	BGL
4-Bromophenylphenylether	ND	9.7	0.69	µg/L	1		SW-846 8270E	11/28/23	11/30/23 18:11	BGL
Butylbenzylphthalate	ND	9.7	0.38	µg/L	1		SW-846 8270E	11/28/23	11/30/23 18:11	BGL
Carbazole	ND	9.7	0.44	µg/L	1		SW-846 8270E	11/28/23	11/30/23 18:11	BGL
4-Chloroaniline	ND	9.7	5.0	µg/L	1		SW-846 8270E	11/28/23	11/30/23 18:11	BGL
4-Chloro-3-methylphenol	ND	9.7	0.61	µg/L	1		SW-846 8270E	11/28/23	11/30/23 18:11	BGL
2-Chloronaphthalene	ND	9.7	0.79	µg/L	1		SW-846 8270E	11/28/23	11/30/23 18:11	BGL
2-Chlorophenol	ND	9.7	0.40	µg/L	1		SW-846 8270E	11/28/23	11/30/23 18:11	BGL
4-Chlorophenylphenylether	ND	9.7	0.84	µg/L	1		SW-846 8270E	11/28/23	11/30/23 18:11	BGL
Chrysene	ND	4.8	0.44	µg/L	1		SW-846 8270E	11/28/23	11/30/23 18:11	BGL
Dibenz(a,h)anthracene	ND	4.8	0.46	µg/L	1		SW-846 8270E	11/28/23	11/30/23 18:11	BGL
Dibenzofuran	ND	4.8	0.83	µg/L	1		SW-846 8270E	11/28/23	11/30/23 18:11	BGL
Di-n-butylphthalate	ND	9.7	0.49	µg/L	1		SW-846 8270E	11/28/23	11/30/23 18:11	BGL
3,3-Dichlorobenzidine	ND	9.7	0.44	µg/L	1		SW-846 8270E	11/28/23	11/30/23 18:11	BGL
2,4-Dichlorophenol	ND	9.7	0.45	µg/L	1		SW-846 8270E	11/28/23	11/30/23 18:11	BGL
Diethylphthalate	ND	9.7	0.54	µg/L	1		SW-846 8270E	11/28/23	11/30/23 18:11	BGL
2,4-Dimethylphenol	ND	9.7	0.40	µg/L	1		SW-846 8270E	11/28/23	11/30/23 18:11	BGL
Dimethylphthalate	ND	9.7	0.42	µg/L	1		SW-846 8270E	11/28/23	11/30/23 18:11	BGL
4,6-Dinitro-2-methylphenol	ND	19	2.2	µg/L	1		SW-846 8270E	11/28/23	11/30/23 18:11	BGL
2,4-Dinitrophenol	ND	9.7	1.3	µg/L	1	V-04	SW-846 8270E	11/28/23	11/30/23 18:11	BGL
2,4-Dinitrotoluene	ND	9.7	0.34	µg/L	1		SW-846 8270E	11/28/23	11/30/23 18:11	BGL
2,6-Dinitrotoluene	ND	9.7	0.53	µg/L	1		SW-846 8270E	11/28/23	11/30/23 18:11	BGL
Di-n-octylphthalate	ND	9.7	0.32	µg/L	1	V-04	SW-846 8270E	11/28/23	11/30/23 18:11	BGL
Fluoranthene	ND	4.8	0.55	µg/L	1		SW-846 8270E	11/28/23	11/30/23 18:11	BGL
Fluorene	ND	4.8	0.74	µg/L	1		SW-846 8270E	11/28/23	11/30/23 18:11	BGL
Hexachlorobenzene	ND	9.7	0.70	µg/L	1		SW-846 8270E	11/28/23	11/30/23 18:11	BGL
Hexachlorobutadiene	ND	9.7	1.2	µg/L	1		SW-846 8270E	11/28/23	11/30/23 18:11	BGL
Hexachlorocyclopentadiene	ND	9.7	2.8	µg/L	1	V-05	SW-846 8270E	11/28/23	11/30/23 18:11	BGL

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 250WATERST-EB-20230802 Sampled: 11/21/2023 13:30

Sample ID: 23K2925-06

Sample Matrix: Equipment Blank Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	9.7	1.2	µg/L	1		SW-846 8270E	11/28/23	11/30/23 18:11	BGL
Indeno(1,2,3-cd)pyrene	ND	4.8	0.46	µg/L	1		SW-846 8270E	11/28/23	11/30/23 18:11	BGL
Isophorone	ND	9.7	0.53	µg/L	1		SW-846 8270E	11/28/23	11/30/23 18:11	BGL
2-Methylnaphthalene	ND	4.8	0.90	µg/L	1		SW-846 8270E	11/28/23	11/30/23 18:11	BGL
2-Methylphenol	ND	9.7	0.44	µg/L	1		SW-846 8270E	11/28/23	11/30/23 18:11	BGL
3/4-Methylphenol	ND	9.7	0.47	µg/L	1		SW-846 8270E	11/28/23	11/30/23 18:11	BGL
Naphthalene	ND	4.8	0.88	µg/L	1		SW-846 8270E	11/28/23	11/30/23 18:11	BGL
2-Nitroaniline	ND	9.7	0.48	µg/L	1		SW-846 8270E	11/28/23	11/30/23 18:11	BGL
3-Nitroaniline	ND	9.7	0.50	µg/L	1		SW-846 8270E	11/28/23	11/30/23 18:11	BGL
4-Nitroaniline	ND	9.7	0.42	µg/L	1		SW-846 8270E	11/28/23	11/30/23 18:11	BGL
Nitrobenzene	ND	9.7	0.65	µg/L	1		SW-846 8270E	11/28/23	11/30/23 18:11	BGL
2-Nitrophenol	ND	9.7	0.53	µg/L	1		SW-846 8270E	11/28/23	11/30/23 18:11	BGL
4-Nitrophenol	ND	9.7	1.2	µg/L	1		SW-846 8270E	11/28/23	11/30/23 18:11	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	9.7	0.47	µg/L	1		SW-846 8270E	11/28/23	11/30/23 18:11	BGL
N-Nitrosodi-n-propylamine	ND	9.7	0.63	µg/L	1		SW-846 8270E	11/28/23	11/30/23 18:11	BGL
Pentachlorophenol	ND	9.7	0.47	µg/L	1		SW-846 8270E	11/28/23	11/30/23 18:11	BGL
Phenanthrene	ND	4.8	0.69	µg/L	1		SW-846 8270E	11/28/23	11/30/23 18:11	BGL
Phenol	ND	9.7	0.57	µg/L	1		SW-846 8270E	11/28/23	11/30/23 18:11	BGL
Pyrene	ND	4.8	0.45	µg/L	1		SW-846 8270E	11/28/23	11/30/23 18:11	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.7	1.2	µg/L	1		SW-846 8270E	11/28/23	11/30/23 18:11	BGL
2,4,5-Trichlorophenol	ND	9.7	0.44	µg/L	1		SW-846 8270E	11/28/23	11/30/23 18:11	BGL
2,4,6-Trichlorophenol	ND	9.7	0.37	µg/L	1		SW-846 8270E	11/28/23	11/30/23 18:11	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	50.9	15-110		11/30/23 18:11
Phenol-d6	35.2	15-110		11/30/23 18:11
Nitrobenzene-d5	79.8	30-130		11/30/23 18:11
2-Fluorobiphenyl	78.7	30-130		11/30/23 18:11
2,4,6-Tribromophenol	92.4	15-110		11/30/23 18:11
p-Terphenyl-d14	92.8	30-130		11/30/23 18:11

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 250WATERST-EB-20230802 Sampled: 11/21/2023 13:30

Sample ID: 23K2925-06

Sample Matrix: Equipment Blank Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.21	0.034	µg/L	1		SW-846 8270E	11/27/23	12/3/23 0:49	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	21.9	15-110		12/3/23 0:49	

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 250WATERST-EB-20230802 Sampled: 11/21/2023 13:30

Sample ID: 23K2925-06

Sample Matrix: Equipment Blank Water

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			1			SW-846 8270E	11/28/23	11/30/23 18:11	BGL

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 250WATERST-EB-20230802 Sampled: 11/21/2023 13:30

Sample ID: 23K2925-06

Sample Matrix: Equipment Blank Water

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [1]	ND	0.25	0.046	µg/L	1		SW-846 8081B	11/28/23	12/2/23 10:28	TG
Aldrin [1]	ND	0.061	0.0089	µg/L	1		SW-846 8081B	11/28/23	12/2/23 10:28	TG
alpha-BHC [1]	ND	0.061	0.0045	µg/L	1		SW-846 8081B	11/28/23	12/2/23 10:28	TG
beta-BHC [1]	ND	0.061	0.010	µg/L	1		SW-846 8081B	11/28/23	12/2/23 10:28	TG
delta-BHC [1]	ND	0.061	0.0073	µg/L	1		SW-846 8081B	11/28/23	12/2/23 10:28	TG
gamma-BHC (Lindane) [1]	ND	0.037	0.0050	µg/L	1		SW-846 8081B	11/28/23	12/2/23 10:28	TG
Chlordane [1]	ND	0.25	0.041	µg/L	1		SW-846 8081B	11/28/23	12/2/23 10:28	TG
4,4'-DDD [2]	ND	0.049	0.0049	µg/L	1		SW-846 8081B	11/28/23	12/2/23 10:28	TG
4,4'-DDE [1]	ND	0.049	0.0062	µg/L	1		SW-846 8081B	11/28/23	12/2/23 10:28	TG
4,4'-DDT [2]	ND	0.049	0.0048	µg/L	1		SW-846 8081B	11/28/23	12/2/23 10:28	TG
Dieldrin [1]	ND	0.0025	0.0012	µg/L	1		SW-846 8081B	11/28/23	12/2/23 10:28	TG
Endosulfan I [1]	ND	0.061	0.0064	µg/L	1		SW-846 8081B	11/28/23	12/2/23 10:28	TG
Endosulfan II [1]	ND	0.098	0.0047	µg/L	1		SW-846 8081B	11/28/23	12/2/23 10:28	TG
Endosulfan sulfate [1]	ND	0.098	0.0079	µg/L	1		SW-846 8081B	11/28/23	12/2/23 10:28	TG
Endrin [1]	ND	0.098	0.0051	µg/L	1		SW-846 8081B	11/28/23	12/2/23 10:28	TG
Endrin aldehyde [1]	ND	0.098	0.0055	µg/L	1		SW-846 8081B	11/28/23	12/2/23 10:28	TG
Endrin ketone [1]	ND	0.098	0.0048	µg/L	1		SW-846 8081B	11/28/23	12/2/23 10:28	TG
Heptachlor [1]	ND	0.061	0.0075	µg/L	1		SW-846 8081B	11/28/23	12/2/23 10:28	TG
Heptachlor epoxide [1]	ND	0.061	0.0084	µg/L	1		SW-846 8081B	11/28/23	12/2/23 10:28	TG
Hexachlorobenzene [1]	ND	0.061	0.035	µg/L	1		SW-846 8081B	11/28/23	12/2/23 10:28	TG
Methoxychlor [1]	ND	0.61	0.013	µg/L	1		SW-846 8081B	11/28/23	12/2/23 10:28	TG
Toxaphene [1]	ND	1.2	0.82	µg/L	1		SW-846 8081B	11/28/23	12/2/23 10:28	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	96.7	30-150		12/2/23 10:28
Decachlorobiphenyl [2]	90.7	30-150		12/2/23 10:28
Tetrachloro-m-xylene [1]	62.4	30-150		12/2/23 10:28
Tetrachloro-m-xylene [2]	49.6	30-150		12/2/23 10:28

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 250WATERST-EB-20230802 Sampled: 11/21/2023 13:30

Sample ID: 23K2925-06

Sample Matrix: Equipment Blank Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.25	0.15	µg/L	1		SW-846 8082A	11/28/23	12/2/23 14:39	JM4
Aroclor-1221 [1]	ND	0.25	0.099	µg/L	1		SW-846 8082A	11/28/23	12/2/23 14:39	JM4
Aroclor-1232 [1]	ND	0.25	0.090	µg/L	1		SW-846 8082A	11/28/23	12/2/23 14:39	JM4
Aroclor-1242 [1]	ND	0.25	0.090	µg/L	1		SW-846 8082A	11/28/23	12/2/23 14:39	JM4
Aroclor-1248 [1]	ND	0.25	0.078	µg/L	1		SW-846 8082A	11/28/23	12/2/23 14:39	JM4
Aroclor-1254 [1]	ND	0.25	0.092	µg/L	1		SW-846 8082A	11/28/23	12/2/23 14:39	JM4
Aroclor-1260 [1]	ND	0.25	0.14	µg/L	1		SW-846 8082A	11/28/23	12/2/23 14:39	JM4
Aroclor-1262 [1]	ND	0.25	0.15	µg/L	1		SW-846 8082A	11/28/23	12/2/23 14:39	JM4
Aroclor-1268 [1]	ND	0.25	0.084	µg/L	1		SW-846 8082A	11/28/23	12/2/23 14:39	JM4

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	92.4	30-150		12/2/23 14:39
Decachlorobiphenyl [2]	97.3	30-150		12/2/23 14:39
Tetrachloro-m-xylene [1]	52.0	30-150		12/2/23 14:39
Tetrachloro-m-xylene [2]	49.2	30-150		12/2/23 14:39

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 250WATERST-EB-20230802 Sampled: 11/21/2023 13:30

Sample ID: 23K2925-06

Sample Matrix: Equipment Blank Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	0.020	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:42	ATP
Antimony	ND	0.050	0.011	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:42	ATP
Arsenic	ND	0.010	0.0073	mg/L	1		SW-846 6010D	11/28/23	12/2/23 19:47	MJH
Barium	ND	0.050	0.0057	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:42	ATP
Beryllium	ND	0.0040	0.0012	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:42	ATP
Cadmium	ND	0.0040	0.0013	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:42	ATP
Calcium	ND	0.50	0.091	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:42	ATP
Chromium	ND	0.010	0.0093	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:42	ATP
Cobalt	ND	0.010	0.0017	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:42	ATP
Copper	ND	0.010	0.0047	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:42	ATP
Iron	ND	0.050	0.023	mg/L	1		SW-846 6010D	11/28/23	12/2/23 19:47	MJH
Lead	ND	0.010	0.0065	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:42	ATP
Magnesium	ND	0.050	0.016	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:42	ATP
Manganese	ND	0.010	0.0028	mg/L	1		SW-846 6010D	11/28/23	12/2/23 19:47	MJH
Mercury	ND	0.00020	0.00014	mg/L	1		SW-846 7470A	12/5/23	12/6/23 13:36	AV
Nickel	ND	0.010	0.0024	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:42	ATP
Potassium	ND	2.0	0.33	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:42	ATP
Selenium	ND	0.050	0.018	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:42	ATP
Silver	ND	0.010	0.0027	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:42	ATP
Sodium	ND	2.0	0.74	mg/L	1		SW-846 6010D	11/28/23	12/2/23 19:47	MJH
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:42	ATP
Vanadium	ND	0.010	0.0071	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:42	ATP
Zinc	ND	0.010	0.0040	mg/L	1		SW-846 6010D	11/28/23	11/29/23 18:42	ATP

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 250WATERST-EB-20230802 Sampled: 11/21/2023 13:30

Sample ID: 23K2925-06

Sample Matrix: Equipment Blank Water

Metals Analyses (Dissolved)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	0.020	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:48	ATP
Antimony	ND	0.050	0.011	mg/L	1		SW-846 6010D	11/27/23	12/6/23 0:59	MJH
Arsenic	ND	0.010	0.0073	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:48	ATP
Barium	ND	0.050	0.0057	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:48	ATP
Beryllium	ND	0.0040	0.0012	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:48	ATP
Cadmium	ND	0.0040	0.0013	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:48	ATP
Calcium	ND	0.50	0.091	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:48	ATP
Chromium	ND	0.010	0.0093	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:48	ATP
Cobalt	ND	0.010	0.0017	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:48	ATP
Copper	ND	0.010	0.0047	mg/L	1		SW-846 6010D	11/27/23	12/6/23 0:59	MJH
Iron	ND	0.050	0.023	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:48	ATP
Lead	ND	0.010	0.0065	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:48	ATP
Magnesium	0.030	0.050	0.016	mg/L	1	J	SW-846 6010D	11/27/23	11/30/23 13:48	ATP
Manganese	ND	0.010	0.0028	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:48	ATP
Mercury	ND	0.00020	0.00014	mg/L	1		SW-846 7470A	12/4/23	12/5/23 14:35	ICP
Nickel	ND	0.010	0.0024	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:48	ATP
Potassium	ND	2.0	0.33	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:48	ATP
Selenium	ND	0.050	0.018	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:48	ATP
Silver	ND	0.010	0.0027	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:48	ATP
Sodium	ND	2.0	0.74	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:48	ATP
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	11/27/23	11/30/23 13:48	ATP
Vanadium	ND	0.010	0.0071	mg/L	1		SW-846 6010D	11/27/23	12/6/23 0:59	MJH
Zinc	ND	0.010	0.0040	mg/L	1		SW-846 6010D	11/27/23	12/6/23 0:59	MJH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 250WATERST-EB-20230802 Sampled: 11/21/2023 13:30

Sample ID: 23K2925-06

Sample Matrix: Equipment Blank Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	ND	0.010	0.0070	mg/L	1		SW-846 9014	11/28/23	11/28/23 16:20	DET

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 250WATERST-EB-20230802 Sampled: 11/21/2023 13:30

Sample ID: 23K2925-06

Sample Matrix: Equipment Blank Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Dissolved)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	ND	0.010	0.0070	mg/L	1		SW-846 9014	11/28/23	11/28/23 16:20	DET

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 250WATERST-TB-20230802 Sampled: 11/21/2023 00:00

Sample ID: 23K2925-07

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	11/27/23	11/28/23 1:05	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	11/27/23	11/28/23 1:05	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	11/27/23	11/28/23 1:05	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	11/27/23	11/28/23 1:05	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	11/27/23	11/28/23 1:05	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	11/27/23	11/28/23 1:05	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	11/27/23	11/28/23 1:05	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	11/27/23	11/28/23 1:05	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	11/27/23	11/28/23 1:05	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	11/27/23	11/28/23 1:05	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	11/27/23	11/28/23 1:05	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	11/27/23	11/28/23 1:05	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	11/27/23	11/28/23 1:05	MFF
Chloromethane	ND	2.0	0.50	µg/L	1	V-05	SW-846 8260D	11/27/23	11/28/23 1:05	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	11/27/23	11/28/23 1:05	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	11/27/23	11/28/23 1:05	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	11/27/23	11/28/23 1:05	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	11/27/23	11/28/23 1:05	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	11/27/23	11/28/23 1:05	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	11/27/23	11/28/23 1:05	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	11/27/23	11/28/23 1:05	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	11/27/23	11/28/23 1:05	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	11/27/23	11/28/23 1:05	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	11/27/23	11/28/23 1:05	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	11/27/23	11/28/23 1:05	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	11/27/23	11/28/23 1:05	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	11/27/23	11/28/23 1:05	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	11/27/23	11/28/23 1:05	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	11/27/23	11/28/23 1:05	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	11/27/23	11/28/23 1:05	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	11/27/23	11/28/23 1:05	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	11/27/23	11/28/23 1:05	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	11/27/23	11/28/23 1:05	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	11/27/23	11/28/23 1:05	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	11/27/23	11/28/23 1:05	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	11/27/23	11/28/23 1:05	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	11/27/23	11/28/23 1:05	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	11/27/23	11/28/23 1:05	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	11/27/23	11/28/23 1:05	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	11/27/23	11/28/23 1:05	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	11/27/23	11/28/23 1:05	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	11/27/23	11/28/23 1:05	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	11/27/23	11/28/23 1:05	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	11/27/23	11/28/23 1:05	MFF

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 250WATERST-TB-20230802 Sampled: 11/21/2023 00:00

Sample ID: 23K2925-07

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	11/27/23	11/28/23 1:05	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	11/27/23	11/28/23 1:05	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	11/27/23	11/28/23 1:05	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	11/27/23	11/28/23 1:05	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	11/27/23	11/28/23 1:05	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	11/27/23	11/28/23 1:05	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	11/27/23	11/28/23 1:05	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	93.7	70-130		11/28/23 1:05
Toluene-d8	99.8	70-130		11/28/23 1:05
4-Bromofluorobenzene	88.4	70-130		11/28/23 1:05

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2925

Date Received: 11/22/2023

Field Sample #: 250WATERST-TB-20230802 Sampled: 11/21/2023 00:00

Sample ID: 23K2925-07

Sample Matrix: Trip Blank Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			1			SW-846 8260D	11/27/23	11/28/23 1:05	MFF

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23K2925
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Calibration:	2200537	Instrument:	GCMSVOA3
		Calibration Date:	8/8/2022 10:18:58AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
1,2-Dichlorobenzene	1.213634	12.9			20	
1,3-Dichlorobenzene	1.193097	12.1			20	
1,4-Dichlorobenzene	1.270795	8.8			20	
trans-1,4-Dichloro-2-butene	0.239735	14.1			20	
Dichlorodifluoromethane (Freon 12)	0.4341094	10.1			20	
1,1-Dichloroethane	0.787926	6.1			20	
1,2-Dichloroethane	0.4276246	10.4			20	
1,1-Dichloroethylene	0.6503172	6.4			20	
cis-1,2-Dichloroethylene	0.6864345	9.7			20	
trans-1,2-Dichloroethylene	0.6178868	7.3			20	
Dichlorofluoromethane (Freon 21)	0.8403159	5.9			20	
1,2-Dichloropropane	0.306328	10.1			20	
1,3-Dichloropropane	0.4974963	14.4			20	
2,2-Dichloropropane	0.6088295	8.7			20	
1,1-Dichloropropene	0.5473735	11.5			20	
cis-1,3-Dichloropropene	0.4734604	12.7			20	
trans-1,3-Dichloropropene	0.4080538	16.5			20	
Diethyl Ether	0.3713617	11.2			20	
Difluorochloromethane (Freon 22)	0.5720824	6.4			20	
Diisopropyl Ether (DIPE)	1.558552	9.0			20	
1,4-Dioxane	4.731593E-03	10.9			20	
Ethanol	1.036708E-02	17.7			20	
Ethyl Acetate	0.6506099	5.8			20	
Ethylbenzene	2.549064	12.6			20	
Hexachlorobutadiene	0.2852952	17.9			20	
2-Hexanone (MBK)	0.2843475	16.4			20	
Iodomethane	0.5420061	18.8			20	
Isopropylbenzene (Cumene)	2.395221	12.5			20	
p-Isopropyltoluene (p-Cymene)	1.842122	9.9			20	
Methyl Acetate	0.7088624	9.4			20	

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23K2925
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	GCMSVOA3	Calibration:	2200537
Lab File ID:	C22V21926.D	Calibration Date:	08/08/22 10:18
Sequence:	S075427	Injection Date:	08/08/22
Lab Sample ID:	S075427-ICV1	Injection Time:	17:12

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Dibromomethane	A	10.0	10.7	0.1997103	0.2142994		7.3	30
1,2-Dichlorobenzene	A	10.0	11.2	1.213634	1.365738		12.5	30
1,3-Dichlorobenzene	A	10.0	11.5	1.193097	1.375471		15.3	30
1,4-Dichlorobenzene	A	10.0	10.8	1.270795	1.375361		8.2	30
trans-1,4-Dichloro-2-butene	A	10.0	8.71	0.239735	0.2087198		-12.9	30
Dichlorodifluoromethane (Freon 12)	A	10.0	8.90	0.4341094	0.3863701		-11.0	30
1,1-Dichloroethane	A	10.0	10.9	0.787926	0.8592115		9.0	30
1,2-Dichloroethane	A	10.0	10.9	0.4276246	0.4643172		8.6	30
1,1-Dichloroethylene	A	10.0	10.1	0.6503172	0.657403		1.1	30
cis-1,2-Dichloroethylene	A	10.0	10.9	0.6864345	0.7488539		9.1	30
trans-1,2-Dichloroethylene	A	10.0	10.6	0.6178868	0.6520598		5.5	30
Dichlorofluoromethane (Freon 21)	A	10.0	10.6	0.8403159	0.8890417		5.8	30
1,2-Dichloropropane	A	10.0	11.2	0.306328	0.3432776		12.1	30
1,3-Dichloropropane	A	10.0	11.0	0.4974963	0.5494466		10.4	30
2,2-Dichloropropane	A	10.0	10.4	0.6088295	0.6327737		3.9	30
1,1-Dichloropropene	A	10.0	10.7	0.5473735	0.5846217		6.8	30
cis-1,3-Dichloropropene	A	10.0	11.1	0.4734604	0.5268136		11.3	30
trans-1,3-Dichloropropene	A	10.0	11.9	0.4080538	0.4873977		19.4	30
Diethyl Ether	A	10.0	12.0	0.3713617	0.4453508		19.9	30
Difluorochloromethane (Freon 22)	A	10.0	8.17	0.5720824	0.4675772		-18.3	30
Diisopropyl Ether (DIPE)	A	10.0	11.5	1.558552	1.793038		15.0	30
1,4-Dioxane	A	100	90.1	4.731593E-03	4.264464E-03		-9.9	30
Ethanol	A	100	95.5	1.036708E-02	9.902305E-03		-4.5	30
Ethyl Acetate	A	10.0	9.05	0.6506099	0.5887477		-9.5	30
Ethylbenzene	A	10.0	11.7	2.549064	2.984133		17.1	30
Hexachlorobutadiene	A	10.0	11.4	0.2852952	0.3250553		13.9	30
2-Hexanone (MBK)	A	100	104	0.2843475	0.2957494		4.0	30

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23K2925
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	GCMSVOA3	Calibration:	2200537
Lab File ID:	C22V33132.D	Calibration Date:	08/08/22 10:18
Sequence:	S096884	Injection Date:	11/27/23
Lab Sample ID:	S096884-CCV1	Injection Time:	21:32

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
trans-1,3-Dichloropropene	A	10.0	10.3	0.4080538	0.4192849		2.8	20
1,4-Dioxane	A	100	94.3	4.731593E-03	4.461572E-03		-5.7	20
Ethylbenzene	A	10.0	10.9	2.549064	2.773136		8.8	20
2-Hexanone (MBK)	A	100	92.3	0.2843475	0.2623827		-7.7	20
Isopropylbenzene (Cumene)	A	10.0	10.3	2.395221	2.468421		3.1	20
Methyl Acetate	A	10.0	9.66	0.7088624	0.6848403		-3.4	20
Methyl tert-Butyl Ether (MTBE)	A	10.0	10.6	1.412808	1.491625		5.6	20
Methyl Cyclohexane	A	10.0	10.0	0.3308172	0.3311196		0.09	20
Methylene Chloride	A	10.0	9.80	0.6427786	0.6301398		-2.0	20
4-Methyl-2-pentanone (MIBK)	A	100	92.0	0.4112112	0.3782084		-8.0	20
Styrene	A	10.0	10.6	1.683114	1.786998		6.2	20
1,1,2,2-Tetrachloroethane	A	10.0	10.3	0.9177436	0.9485177		3.4	20
Tetrachloroethylene	A	10.0	10.8	0.2808079	0.3043045		8.4	20
Toluene	A	10.0	11.2	1.195157	1.338662		12.0	20
1,2,3-Trichlorobenzene	A	10.0	10.7	0.6638408	0.7123186		7.3	20
1,2,4-Trichlorobenzene	A	10.0	10.1	0.6791191	0.6840444		0.7	20
1,1,1-Trichloroethane	A	10.0	10.3	0.6322124	0.6509636		3.0	20
1,1,2-Trichloroethane	A	10.0	11.0	0.2797054	0.3073696		9.9	20
Trichloroethylene	A	10.0	10.8	0.2768359	0.2996307		8.2	20
Trichlorofluoromethane (Freon 11)	A	10.0	9.81	0.6391431	0.6273022		-1.9	20
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	10.0	10.4	0.377547	0.3936137		4.3	20
Vinyl Chloride	A	10.0	11.6	0.5221577	0.6041502		15.7	20
m+p Xylene	A	20.0	21.7	1.99021	2.156993		8.4	20
o-Xylene	A	10.0	10.4	2.094658	2.187863		4.4	20
1,2-Dichloroethane-d4	A	25.0	22.7	0.5629535	0.5120688		-9.0	
Toluene-d8	A	25.0	26.0	1.188132	1.236888		4.1	
4-Bromofluorobenzene	A	25.0	24.0	0.8894447	0.8540238		-4.0	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

250WATERST-MW4-WG

Laboratory:	Pace New England	Work Order:	23K2925
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Water	Analysis:	SW-846 8270E
Batch:	B359140	Preparation:	SW-846 3510C
% Solids:		Laboratory ID:	B359140-MS1
Initial/Final:	105.9 mL / 1 mL	Sample Lab ID:	23K2925-04
Column:			

ANALYTE	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	MS CONCENTRATION (µg/L)	MS % REC.		QC LIMITS REC.
Atrazine	94.4	ND	82.9	87.8		40 - 140
Benzaldehyde	94.4	ND	30.2	31.9	*	40 - 140
Biphenyl	94.4	ND	71.4	75.6		40 - 140
Caprolactam	94.4	ND	20.3	21.4	*	40 - 140
Acenaphthene	94.4	ND	69.3	73.4		40 - 140
Acenaphthylene	94.4	ND	74.0	78.4		40 - 140
Acetophenone	94.4	ND	69.4	73.5		40 - 140
Anthracene	94.4	ND	77.7	82.3		40 - 140
Benzo(a)anthracene	94.4	ND	75.0	79.5		40 - 140
Benzo(a)pyrene	94.4	ND	76.1	80.6		40 - 140
Benzo(b)fluoranthene	94.4	ND	75.5	80.0		40 - 140
Benzo(g,h,i)perylene	94.4	ND	72.6	76.9		40 - 140
Benzo(k)fluoranthene	94.4	ND	80.9	85.7		40 - 140
Bis(2-chloroethoxy)methane	94.4	ND	74.7	79.1		40 - 140
Bis(2-chloroethyl)ether	94.4	ND	72.4	76.7		40 - 140
Bis(2-chloroisopropyl)ether	94.4	ND	80.4	85.2		40 - 140
Bis(2-Ethylhexyl)phthalate	94.4	ND	82.6	87.5		40 - 140
4-Bromophenylphenylether	94.4	ND	77.8	82.4		40 - 140
Butylbenzylphthalate	94.4	ND	85.7	90.7		40 - 140
Carbazole	94.4	ND	78.3	83.0		40 - 140
4-Chloroaniline	94.4	ND	73.6	77.9		40 - 140
4-Chloro-3-methylphenol	94.4	ND	76.9	81.5		30 - 130
2-Chloronaphthalene	94.4	ND	59.9	63.4		40 - 140
2-Chlorophenol	94.4	ND	66.8	70.7		30 - 130
4-Chlorophenylphenylether	94.4	ND	75.0	79.4		40 - 140
Chrysene	94.4	ND	71.9	76.2		40 - 140
Dibenz(a,h)anthracene	94.4	ND	73.0	77.3		40 - 140
Dibenzofuran	94.4	ND	73.0	77.3		40 - 140
Di-n-butylphthalate	94.4	ND	83.4	88.3		40 - 140
3,3-Dichlorobenzidine	94.4	ND	96.2	102		40 - 140

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

250WATERST-MW4-WG

Laboratory:	Pace New England	Work Order:	23K2925
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Water	Analysis:	SW-846 8270E
Batch:	B359140	Preparation:	SW-846 3510C
% Solids:		Laboratory ID:	B359140-MSD1
Initial/Final:	106.2 mL / 1 mL	Sample Lab ID:	23K2925-04
Column:			

ANALYTE	SPIKE ADDED (µg/L)	MSD CONCENTRATION (µg/L)	MSD % REC. #		% RPD	QC LIMITS RPD	QC LIMITS REC.
Atrazine	94.2	95.4	101		14.0	30	40 - 140
Benzaldehyde	94.2	38.5	40.8		24.2	30	40 - 140
Biphenyl	94.2	73.7	78.3		3.27	30	40 - 140
Caprolactam	94.2	25.6	27.2	*	23.3	30	40 - 140
Acenaphthene	94.2	75.5	80.2		8.65	30	40 - 140
Acenaphthylene	94.2	78.8	83.7		6.31	30	40 - 140
Acetophenone	94.2	85.5	90.8		20.8	30	40 - 140
Anthracene	94.2	82.1	87.2		5.42	30	40 - 140
Benzo(a)anthracene	94.2	79.0	83.9		5.21	30	40 - 140
Benzo(a)pyrene	94.2	79.6	84.5		4.40	30	40 - 140
Benzo(b)fluoranthene	94.2	78.3	83.1		3.62	30	40 - 140
Benzo(g,h,i)perylene	94.2	83.4	88.6		13.9	30	40 - 140
Benzo(k)fluoranthene	94.2	82.9	88.0		2.42	30	40 - 140
Bis(2-chloroethoxy)methane	94.2	88.6	94.1		17.0	30	40 - 140
Bis(2-chloroethyl)ether	94.2	86.9	92.3		18.3	30	40 - 140
Bis(2-chloroisopropyl)ether	94.2	98.1	104		19.8	30	40 - 140
Bis(2-Ethylhexyl)phthalate	94.2	85.9	91.3		3.91	30	40 - 140
4-Bromophenylphenylether	94.2	78.1	82.9		0.395	30	40 - 140
Butylbenzylphthalate	94.2	88.4	93.9		3.17	30	40 - 140
Carbazole	94.2	87.9	93.3		11.5	30	40 - 140
4-Chloroaniline	94.2	84.9	90.2		14.3	30	40 - 140
4-Chloro-3-methylphenol	94.2	94.7	101		20.7	30	30 - 130
2-Chloronaphthalene	94.2	57.9	61.4		3.42	30	40 - 140
2-Chlorophenol	94.2	81.0	86.1		19.3	30	30 - 130
4-Chlorophenylphenylether	94.2	81.2	86.2		8.01	30	40 - 140
Chrysene	94.2	76.5	81.2		6.14	30	40 - 140
Dibenz(a,h)anthracene	94.2	82.0	87.1		11.6	30	40 - 140
Dibenzofuran	94.2	78.9	83.8		7.72	30	40 - 140
Di-n-butylphthalate	94.2	91.7	97.4		9.44	30	40 - 140
3,3-Dichlorobenzidine	94.2	104	110		7.67	30	40 - 140

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

250WATERST-MW4-WG

Laboratory:	Pace New England	Work Order:	23K2925
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Water	Analysis:	SW-846 8270E
Batch:	B359140	Preparation:	SW-846 3510C
% Solids:		Laboratory ID:	B359140-MSD1
Initial/Final:	106.2 mL / 1 mL	Sample Lab ID:	23K2925-04
Column:			

ANALYTE	SPIKE ADDED (µg/L)	MSD CONCENTRATION (µg/L)	MSD % REC. #	% RPD		QC LIMITS RPD	QC LIMITS REC.
2,4-Dichlorophenol	94.2	87.0	92.4	15.7		30	30 - 130
Diethylphthalate	94.2	87.9	93.4	11.0		30	40 - 140
2,4-Dimethylphenol	94.2	76.1	80.8	14.6		30	30 - 130
Dimethylphthalate	94.2	83.9	89.1	7.08		30	40 - 140
4,6-Dinitro-2-methylphenol	94.2	91.2	96.8	32.6	*	30	30 - 130
2,4-Dinitrophenol	94.2	84.4	89.6	63.6	*	30	30 - 130
2,4-Dinitrotoluene	94.2	90.0	95.5	12.7		30	40 - 140
2,6-Dinitrotoluene	94.2	87.1	92.5	6.25		30	40 - 140
Di-n-octylphthalate	94.2	82.4	87.6	1.41		30	40 - 140
Fluoranthene	94.2	88.5	94.0	14.2		30	40 - 140
Fluorene	94.2	81.1	86.1	10.1		30	40 - 140
Hexachlorobenzene	94.2	76.6	81.3	2.94		30	40 - 140
Hexachlorobutadiene	94.2	44.2	47.0	7.07		30	40 - 140
Hexachlorocyclopentadiene	94.2	43.1	45.8	0.217		30	30 - 130
Hexachloroethane	94.2	45.6	48.5	18.2		30	40 - 140
Indeno(1,2,3-cd)pyrene	94.2	83.9	89.1	11.9		30	40 - 140
Isophorone	94.2	89.5	95.0	15.1		30	40 - 140
2-Methylnaphthalene	94.2	72.9	77.4	15.6		30	40 - 140
2-Methylphenol	94.2	81.4	86.4	21.9		30	30 - 130
3/4-Methylphenol	94.2	77.8	82.6	23.8		30	30 - 130
Naphthalene	94.2	65.0	69.0	11.2		30	40 - 140
2-Nitroaniline	94.2	84.6	89.8	11.3		30	40 - 140
3-Nitroaniline	94.2	89.0	94.6	11.5		30	40 - 140
4-Nitroaniline	94.2	86.1	91.4	17.7		30	40 - 140
Nitrobenzene	94.2	77.4	82.2	14.1		30	40 - 140
2-Nitrophenol	94.2	79.1	84.0	12.0		30	30 - 130
4-Nitrophenol	94.2	59.9	63.6	37.2	*	30	30 - 130
N-Nitrosodiphenylamine/Diphenylamine	94.2	92.5	98.3	4.54		30	40 - 140
N-Nitrosodi-n-propylamine	94.2	91.3	97.0	22.7		30	40 - 140
Pentachlorophenol	94.2	89.8	95.4	26.9		30	30 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	23K2925
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B359140	Laboratory ID:	B359140-BS1
Column:		Initial/Final:	100 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.		QC LIMITS REC.
Atrazine	100	88.2	88.2		40 - 140
Benzaldehyde	100	33.4	33.4	*	40 - 140
Biphenyl	100	73.8	73.8		40 - 140
Caprolactam	100	23.1	23.1	*	40 - 140
Acenaphthene	100	71.1	71.1		40 - 140
Acenaphthylene	100	75.9	75.9		40 - 140
Acetophenone	100	74.7	74.7		40 - 140
Anthracene	100	76.6	76.6		40 - 140
Benzo(a)anthracene	100	75.1	75.1		40 - 140
Benzo(a)pyrene	100	74.9	74.9		40 - 140
Benzo(b)fluoranthene	100	74.9	74.9		40 - 140
Benzo(g,h,i)perylene	100	78.7	78.7		40 - 140
Benzo(k)fluoranthene	100	79.4	79.4		40 - 140
Bis(2-chloroethoxy)methane	100	79.2	79.2		40 - 140
Bis(2-chloroethyl)ether	100	75.7	75.7		40 - 140
Bis(2-chloroisopropyl)ether	100	85.8	85.8		40 - 140
Bis(2-Ethylhexyl)phthalate	100	80.1	80.1		40 - 140
4-Bromophenylphenylether	100	74.2	74.2		40 - 140
Butylbenzylphthalate	100	82.5	82.5		40 - 140
Carbazole	100	80.0	80.0		40 - 140
4-Chloroaniline	100	79.5	79.5		40 - 140
4-Chloro-3-methylphenol	100	82.7	82.7		30 - 130
2-Chloronaphthalene	100	61.6	61.6		40 - 140
2-Chlorophenol	100	70.7	70.7		30 - 130
4-Chlorophenylphenylether	100	77.1	77.1		40 - 140
Chrysene	100	72.8	72.8		40 - 140
Dibenz(a,h)anthracene	100	77.5	77.5		40 - 140
Dibenzofuran	100	74.2	74.2		40 - 140
Di-n-butylphthalate	100	82.6	82.6		40 - 140
3,3-Dichlorobenzidine	100	102	102		40 - 140
2,4-Dichlorophenol	100	78.0	78.0		30 - 130
Diethylphthalate	100	81.6	81.6		40 - 140
2,4-Dimethylphenol	100	68.4	68.4		30 - 130
Dimethylphthalate	100	79.2	79.2		40 - 140
4,6-Dinitro-2-methylphenol	100	81.8	81.8		30 - 130
2,4-Dinitrophenol	100	78.4	78.4		30 - 130
2,4-Dinitrotoluene	100	81.5	81.5		40 - 140

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	23K2925
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B359140	Laboratory ID:	B359140-BS1
Column:		Initial/Final:	100 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.	QC LIMITS REC.
2,6-Dinitrotoluene	100	81.3	81.3	40 - 140
Di-n-octylphthalate	100	76.1	76.1	40 - 140
Fluoranthene	100	79.3	79.3	40 - 140
Fluorene	100	74.5	74.5	40 - 140
Hexachlorobenzene	100	72.2	72.2	40 - 140
Hexachlorobutadiene	100	54.6	54.6	40 - 140
Hexachlorocyclopentadiene	100	48.9	48.9	30 - 140
Hexachloroethane	100	51.3	51.3	40 - 140
Indeno(1,2,3-cd)pyrene	100	78.8	78.8	40 - 140
Isophorone	100	78.1	78.1	40 - 140
2-Methylnaphthalene	100	70.7	70.7	40 - 140
2-Methylphenol	100	73.0	73.0	30 - 130
3/4-Methylphenol	100	70.2	70.2	30 - 130
Naphthalene	100	64.6	64.6	40 - 140
2-Nitroaniline	100	75.4	75.4	40 - 140
3-Nitroaniline	100	83.9	83.9	40 - 140
4-Nitroaniline	100	77.3	77.3	40 - 140
Nitrobenzene	100	69.4	69.4	40 - 140
2-Nitrophenol	100	67.7	67.7	30 - 130
4-Nitrophenol	100	54.7	54.7	10 - 130
N-Nitrosodiphenylamine/Diphenylamine	100	87.8	87.8	40 - 140
N-Nitrosodi-n-propylamine	100	76.9	76.9	40 - 140
Pentachlorophenol	100	79.5	79.5	30 - 130
Phenanthrene	100	75.4	75.4	40 - 140
Phenol	100	40.0	40.0	20 - 130
Pyrene	100	74.1	74.1	40 - 140
1,2,4,5-Tetrachlorobenzene	100	63.9	63.9	40 - 140
2,4,5-Trichlorophenol	100	74.8	74.8	30 - 130
2,4,6-Trichlorophenol	100	75.5	75.5	30 - 130

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
Atrazine	100	89.8	89.8		1.75	20	40 - 140
Benzaldehyde	100	32.8	32.8	*	1.63	20	40 - 140
Biphenyl	100	81.8	81.8		10.3	20	40 - 140
Caprolactam	100	23.8	23.8	*	3.03	20	40 - 140

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	23K2925
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B359140	Laboratory ID:	B359140-BSD1
Column:		Initial/Final:	100 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #	% RPD #		QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	100	77.5	77.5	8.60		20	40 - 140
Acenaphthylene	100	83.3	83.3	9.31		20	40 - 140
Acetophenone	100	76.2	76.2	1.95		20	40 - 140
Anthracene	100	84.9	84.9	10.4		20	40 - 140
Benzo(a)anthracene	100	81.9	81.9	8.63		20	40 - 140
Benzo(a)pyrene	100	83.0	83.0	10.3		20	40 - 140
Benzo(b)fluoranthene	100	83.4	83.4	10.8		20	40 - 140
Benzo(g,h,i)perylene	100	78.4	78.4	0.408		20	40 - 140
Benzo(k)fluoranthene	100	87.3	87.3	9.54		20	40 - 140
Bis(2-chloroethoxy)methane	100	84.2	84.2	6.18		20	40 - 140
Bis(2-chloroethyl)ether	100	77.5	77.5	2.35		20	40 - 140
Bis(2-chloroisopropyl)ether	100	88.2	88.2	2.82		20	40 - 140
Bis(2-Ethylhexyl)phthalate	100	94.9	94.9	17.0		20	40 - 140
4-Bromophenylphenylether	100	84.6	84.6	13.0		20	40 - 140
Butylbenzylphthalate	100	95.6	95.6	14.8		20	40 - 140
Carbazole	100	85.4	85.4	6.53		20	40 - 140
4-Chloroaniline	100	76.1	76.1	4.33		20	40 - 140
4-Chloro-3-methylphenol	100	85.8	85.8	3.69		20	30 - 130
2-Chloronaphthalene	100	65.7	65.7	6.46		20	40 - 140
2-Chlorophenol	100	72.0	72.0	1.88		20	30 - 130
4-Chlorophenylphenylether	100	82.9	82.9	7.23		20	40 - 140
Chrysene	100	78.9	78.9	8.15		20	40 - 140
Dibenz(a,h)anthracene	100	78.8	78.8	1.70		20	40 - 140
Dibenzofuran	100	80.1	80.1	7.70		20	40 - 140
Di-n-butylphthalate	100	91.2	91.2	9.91		20	40 - 140
3,3-Dichlorobenzidine	100	106	106	3.28		20	40 - 140
2,4-Dichlorophenol	100	81.7	81.7	4.52		20	30 - 130
Diethylphthalate	100	86.1	86.1	5.39		20	40 - 140
2,4-Dimethylphenol	100	71.2	71.2	4.06		20	30 - 130
Dimethylphthalate	100	83.9	83.9	5.86		50	40 - 140
4,6-Dinitro-2-methylphenol	100	82.4	82.4	0.755		50	30 - 130
2,4-Dinitrophenol	100	60.3	60.3	26.1		50	30 - 130
2,4-Dinitrotoluene	100	87.2	87.2	6.65		20	40 - 140
2,6-Dinitrotoluene	100	86.9	86.9	6.75		20	40 - 140
Di-n-octylphthalate	100	95.1	95.1	22.2	*	20	40 - 140
Fluoranthene	100	83.3	83.3	4.94		20	40 - 140
Fluorene	100	80.9	80.9	8.25		20	40 - 140

2 - FORM II

SYSTEM MONITORING COMPOUND SUMMARY

SW-846 8081B

Laboratory:	Pace New England	SDG:	23K2925
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Water	Instrument:	ECD6

	DCB 1 (30% - 150%)	DCB 2 (30% - 150%)	TCX 1 (30% - 150%)	TCX 2 (30% - 150%)
23K2925-01	98.9	96.0	72.8	62.2
23K2925-02	99.1	96.4	76.6	66.9
23K2925-03	109	104	85.5	74.0
23K2925-04	85.1	88.5	69.2	62.5
23K2925-05	107	105	73.4	53.5
23K2925-06	96.7	90.7	62.4	49.6
B359088-BLK1	80.1	89.8	36.3	27.5*
B359088-BS1	93.3	88.9	46.3	36.8
B359088-BSD1	95.0	90.4	38.9	32.1
B359088-MS1	97.7	98.8	89.2	68.2
B359088-MSD1	106	107	77.0	65.7

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

250WATERST-MW4-WG

Laboratory:	Pace New England	Work Order:	23K2925
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Water	Analysis:	SW-846 8081B
Batch:	B359088	Preparation:	SW-846 3510C
% Solids:		Laboratory ID:	B359088-MS1
Initial/Final:	94.5 mL / 2 mL	Sample Lab ID:	23K2925-04
Column:	1		

ANALYTE	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	MS CONCENTRATION (µg/L)	MS % REC.		QC LIMITS REC.
Alachlor	2.12	ND	2.4	115		30 - 150
Aldrin	2.12	ND	1.8	83.5		30 - 150
alpha-BHC	2.12	ND	2.9	138		30 - 150
beta-BHC	2.12	ND	2.6	124		30 - 150
delta-BHC	2.12	ND	2.7	129		30 - 150
gamma-BHC (Lindane)	2.12	ND	2.8	134		30 - 150
4,4'-DDD	2.12	ND	2.7	129		30 - 150
4,4'-DDE	2.12	ND	2.4	116		30 - 150
4,4'-DDT	2.12	ND	2.9	135		30 - 150
Dieldrin	2.12	ND	2.5	118		30 - 150
Endosulfan I	2.12	ND	2.5	117		30 - 150
Endosulfan II	2.12	ND	2.5	117		30 - 150
Endosulfan Sulfate	2.12	ND	2.6	123		30 - 150
Endrin	2.12	ND	2.7	126		30 - 150
Endrin Aldehyde	2.12	ND	2.5	120		30 - 150
Endrin Ketone	2.12	ND	2.6	122		30 - 150
Heptachlor	2.12	ND	2.2	103		30 - 150
Heptachlor Epoxide	2.12	ND	2.5	116		30 - 150
Hexachlorobenzene	2.12	ND	4.6	215	*	30 - 150
Methoxychlor	2.12	ND	2.7	126		30 - 150

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

250WATERST-MW4-WG

Laboratory:	Pace New England	Work Order:	23K2925
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Water	Analysis:	SW-846 8081B
Batch:	B359088	Preparation:	SW-846 3510C
% Solids:		Laboratory ID:	B359088-MSD1
Initial/Final:	96 mL / 2 mL	Sample Lab ID:	23K2925-04
Column:	1		

ANALYTE	SPIKE ADDED (µg/L)	MSD CONCENTRATION (µg/L)	MSD % REC. #		% RPD		QC LIMITS RPD	QC LIMITS REC.
Alachlor	2.08	2.0	94.5		21.1		30	30 - 150
Aldrin	2.08	1.4	65.7		25.4		30	30 - 150
alpha-BHC	2.08	2.1	99.8		33.9	*	30	30 - 150
beta-BHC	2.08	2.1	101		21.8		30	30 - 150
delta-BHC	2.08	2.2	104		23.1		30	30 - 150
gamma-BHC (Lindane)	2.08	2.0	97.8		33.0	*	30	30 - 150
4,4'-DDD	2.08	2.5	122		6.95		30	30 - 150
4,4'-DDE	2.08	2.4	113		4.02		30	30 - 150
4,4'-DDT	2.08	2.7	130		5.72		30	30 - 150
Dieldrin	2.08	2.1	103		15.5		30	30 - 150
Endosulfan I	2.08	2.1	99.7		17.9		30	30 - 150
Endosulfan II	2.08	2.2	105		11.9		30	30 - 150
Endosulfan Sulfate	2.08	2.4	116		7.33		30	30 - 150
Endrin	2.08	2.3	110		15.4		30	30 - 150
Endrin Aldehyde	2.08	2.3	111		9.39		30	30 - 150
Endrin Ketone	2.08	2.5	120		3.63		30	30 - 150
Heptachlor	2.08	1.5	73.5		34.6	*	30	30 - 150
Heptachlor Epoxide	2.08	2.0	96.8		19.8		30	30 - 150
Hexachlorobenzene	2.08	3.3	158	*	32.5	*	30	30 - 150
Methoxychlor	2.08	2.7	129		0.973		30	30 - 150

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8081B

Laboratory:	Pace New England	Work Order:	23K2925
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B359088	Laboratory ID:	B359088-BS1
Column:	2	Initial/Final:	100 mL / 2 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.		QC LIMITS REC.
alpha-Chlordane [2C]	2.00	1.5	73.1		0 - 200
gamma-Chlordane [2C]	2.00	1.5	73.0		0 - 200
Alachlor [2C]	2.00	1.6	77.8		40 - 140
Aldrin [2C]	2.00	0.66	33.1	*	40 - 140
alpha-BHC [2C]	2.00	1.8	88.6		40 - 140
beta-BHC [2C]	2.00	1.6	81.7		40 - 140
delta-BHC [2C]	2.00	1.7	84.7		40 - 140
gamma-BHC (Lindane) [2C]	2.00	1.7	85.4		40 - 140
4,4'-DDD [2C]	2.00	2.1	104		40 - 140
4,4'-DDE [2C]	2.00	1.7	85.8		40 - 140
4,4'-DDT [2C]	2.00	1.9	94.6		40 - 140
Dieldrin [2C]	2.00	1.7	86.7		40 - 140
Endosulfan I [2C]	2.00	1.6	80.6		40 - 140
Endosulfan II [2C]	2.00	1.6	82.4		40 - 140
Endosulfan Sulfate [2C]	2.00	1.8	89.7		40 - 140
Endrin [2C]	2.00	1.7	87.1		40 - 140
Endrin Aldehyde [2C]	2.00	1.8	91.4		40 - 140
Endrin Ketone [2C]	2.00	1.8	90.5		40 - 140
Heptachlor [2C]	2.00	0.90	45.0		40 - 140
Heptachlor Epoxide [2C]	2.00	1.6	81.0		40 - 140
Hexachlorobenzene [2C]	2.00	0.87	43.4		40 - 140
Methoxychlor [2C]	2.00	1.9	95.5		40 - 140

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
alpha-Chlordane [2C]	2.00	1.5	75.1		2.72	200	0 - 200
gamma-Chlordane [2C]	2.00	1.5	76.8		5.06	200	0 - 200
Alachlor [2C]	2.00	1.7	84.8		8.57	20	40 - 140
Aldrin [2C]	2.00	0.73	36.4	*	9.55	20	40 - 140
alpha-BHC [2C]	2.00	1.9	96.3		8.37	20	40 - 140
beta-BHC [2C]	2.00	1.8	87.5		6.90	20	40 - 140
delta-BHC [2C]	2.00	1.8	90.2		6.21	20	40 - 140
gamma-BHC (Lindane) [2C]	2.00	1.8	91.5		6.93	20	40 - 140
4,4'-DDD [2C]	2.00	2.3	115		9.61	20	40 - 140
4,4'-DDE [2C]	2.00	1.9	92.8		7.81	20	40 - 140
4,4'-DDT [2C]	2.00	2.0	101		6.80	20	40 - 140

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8081B

Laboratory:	Pace New England	Work Order:	23K2925
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	ECD6	Calibration:	2301440
Lab File ID:	F23E332030.D	Calibration Date:	11/29/23 00:00
Sequence:	S097048	Injection Date:	11/29/23
Lab Sample ID:	S097048-ICV1	Injection Time:	14:32

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)	
Chlordane	A	100	105					20	
Chlordane [2C]	A	100	100					20	
Chlordane (1)	A	100	108	1355701	1465000		8.1	20	
Chlordane (1) [2C]	A	100	110	642537.7	708255.5		10.2	20	
Chlordane (2)	A	100	121	2117440	2565000		21.1	20	*
Chlordane (2) [2C]	A	100	111	777355.7	863932.2		11.1	20	
Chlordane (3)	A	100	103	1823489	1882000		3.2	20	
Chlordane (3) [2C]	A	100	64.2	2514506	1614000		-35.8	20	*
Chlordane (4)	A	100	94.5	5741456	5423000		-5.5	20	
Chlordane (4) [2C]	A	100	114	1735465	1975000		13.8	20	
Chlordane (5)	A	100	97.3	1766327	1718000		-2.7	20	
Chlordane (5) [2C]	A	100	103	708163.1	726466.7		2.6	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

SW-846 8081B

LCS 1099

Lab Sample ID: B359088-BS1 Date(s) Analyzed: 12/01/2023 12/01/2023

Instrument ID (1): ECD6 Instrument ID (2): ECD6

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	7.028	6.997	7.057	2.3	
	2	7.134	7.105	7.165	2.1	9.1
4,4'-DDE	1	6.599	6.567	6.627	2.1	
	2	6.710	6.680	6.740	1.7	25.6
4,4'-DDT	1	7.237	7.205	7.265	2.6	
	2	7.371	7.341	7.401	1.9	31.1
Alachlor	1	6.052	6.022	6.082	2.1	
	2	5.908	5.878	5.938	1.6	27.0
Aldrin	1	5.954	5.925	5.985	0.85	
	2	5.963	5.933	5.993	0.66	25.2
alpha-BHC	1	5.282	5.252	5.312	2.3	
	2	5.285	5.256	5.316	1.8	24.4
alpha-Chlordane	1	6.539	6.508	6.568	1.9	
	2	6.579	6.549	6.609	1.5	23.5
beta-BHC	1	5.522	5.492	5.552	2.2	
	2	5.544	5.515	5.575	1.6	31.6
delta-BHC	1	5.630	5.600	5.660	2.3	
	2	5.723	5.693	5.753	1.7	30.0
Dieldrin	1	6.804	6.773	6.833	2.1	
	2	6.811	6.781	6.841	1.7	21.1
Endosulfan I	1	6.633	6.602	6.662	2.1	
	2	6.615	6.585	6.645	1.6	27.0
Endosulfan II	1	7.133	7.102	7.162	2.1	
	2	7.190	7.160	7.220	1.6	27.0
Endosulfan Sulfate	1	7.784	7.753	7.813	2.2	
	2	7.663	7.634	7.694	1.8	20.0
Endrin	1	6.970	6.939	6.999	2.2	
	2	7.030	7.000	7.060	1.7	25.6
Endrin Aldehyde	1	7.449	7.418	7.478	2.1	
	2	7.449	7.418	7.478	1.8	15.4
Endrin Ketone	1	7.992	7.961	8.021	2.1	
	2	8.061	8.031	8.091	1.8	15.4
gamma-BHC (Lindane)	1	5.470	5.439	5.499	2.3	
	2	5.492	5.462	5.522	1.7	30.0
gamma-Chlordane	1	6.446	6.415	6.475	1.9	
	2	6.476	6.446	6.506	1.5	23.5
Heptachlor	1	5.763	5.733	5.793	1.1	
	2	5.759	5.729	5.789	0.90	28.6
Heptachlor Epoxide	1	6.360	6.330	6.390	2.1	
	2	6.345	6.315	6.375	1.6	27.0
Hexachlorobenzene	1	5.182	5.153	5.213	1.1	
	2	5.203	5.173	5.233	0.87	23.4

IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

SW-846 8081B

LCS Dup 1101

Lab Sample ID: B359088-BSD1 Date(s) Analyzed: 12/01/2023 12/01/2023

Instrument ID (1): ECD6 Instrument ID (2): ECD6

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	7.028	6.997	7.057	2.4	
	2	7.134	7.105	7.165	2.3	4.3
4,4'-DDE	1	6.598	6.567	6.627	2.1	
	2	6.709	6.680	6.740	1.9	10.0
4,4'-DDT	1	7.237	7.205	7.265	2.6	
	2	7.371	7.341	7.401	2.0	26.1
Alachlor	1	6.052	6.022	6.082	2.1	
	2	5.908	5.878	5.938	1.7	21.1
Aldrin	1	5.954	5.925	5.985	0.86	
	2	5.963	5.933	5.993	0.73	16.4
alpha-BHC	1	5.282	5.252	5.312	2.4	
	2	5.285	5.256	5.316	1.9	23.3
alpha-Chlordane	1	6.538	6.508	6.568	1.9	
	2	6.579	6.549	6.609	1.5	23.5
beta-BHC	1	5.522	5.492	5.552	2.2	
	2	5.544	5.515	5.575	1.8	20.0
delta-BHC	1	5.630	5.600	5.660	2.3	
	2	5.723	5.693	5.753	1.8	24.4
Dieldrin	1	6.803	6.773	6.833	2.1	
	2	6.811	6.781	6.841	1.9	10.0
Endosulfan I	1	6.632	6.602	6.662	2.1	
	2	6.615	6.585	6.645	1.7	21.1
Endosulfan II	1	7.134	7.102	7.162	2.1	
	2	7.191	7.160	7.220	1.8	15.4
Endosulfan Sulfate	1	7.783	7.753	7.813	2.2	
	2	7.663	7.634	7.694	2.0	9.5
Endrin	1	6.970	6.939	6.999	2.2	
	2	7.030	7.000	7.060	1.9	14.6
Endrin Aldehyde	1	7.449	7.418	7.478	2.2	
	2	7.449	7.418	7.478	2.0	9.5
Endrin Ketone	1	7.991	7.961	8.021	2.2	
	2	8.061	8.031	8.091	2.0	9.5
gamma-BHC (Lindane)	1	5.470	5.439	5.499	2.3	
	2	5.492	5.462	5.522	1.8	24.4
gamma-Chlordane	1	6.446	6.415	6.475	1.8	
	2	6.476	6.446	6.506	1.5	18.2
Heptachlor	1	5.762	5.733	5.793	1.2	
	2	5.758	5.729	5.789	0.99	19.2
Heptachlor Epoxide	1	6.360	6.330	6.390	2.1	
	2	6.345	6.315	6.375	1.8	15.4
Hexachlorobenzene	1	5.182	5.153	5.213	1.1	
	2	5.202	5.173	5.233	0.92	17.8

IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

SW-846 8081B

Matrix Spike 1103

Lab Sample ID: B359088-MS1 Date(s) Analyzed: 12/02/2023 12/02/2023

Instrument ID (1): ECD6 Instrument ID (2): ECD6

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	7.026	6.997	7.057	2.7	
	2	7.133	7.104	7.164	2.7	0.0
4,4'-DDE	1	6.595	6.568	6.628	2.4	
	2	6.708	6.679	6.739	2.2	12.8
4,4'-DDT	1	7.233	7.205	7.265	2.9	
	2	7.370	7.340	7.400	2.6	10.9
Alachlor	1	6.050	6.022	6.082	2.4	
	2	5.907	5.878	5.938	2.1	13.3
Aldrin	1	5.952	5.924	5.984	1.8	
	2	5.962	5.932	5.992	1.5	18.2
alpha-BHC	1	5.281	5.251	5.311	2.9	
	2	5.285	5.255	5.315	2.2	27.5
beta-BHC	1	5.520	5.491	5.551	2.6	
	2	5.544	5.514	5.574	2.0	26.1
delta-BHC	1	5.628	5.599	5.659	2.7	
	2	5.722	5.693	5.753	2.1	25.0
Dieldrin	1	6.800	6.772	6.832	2.5	
	2	6.810	6.780	6.840	2.3	8.3
Endosulfan I	1	6.630	6.602	6.662	2.5	
	2	6.614	6.584	6.644	2.1	17.4
Endosulfan II	1	7.131	7.103	7.163	2.5	
	2	7.189	7.160	7.220	2.2	12.8
Endosulfan Sulfate	1	7.780	7.752	7.812	2.6	
	2	7.662	7.633	7.693	2.5	3.9
Endrin	1	6.967	6.939	6.999	2.7	
	2	7.029	7.000	7.060	2.3	16.0
Endrin Aldehyde	1	7.445	7.417	7.477	2.5	
	2	7.447	7.418	7.478	2.6	3.9
Endrin Ketone	1	7.988	7.960	8.020	2.6	
	2	8.060	8.030	8.090	2.5	3.9
gamma-BHC (Lindane)	1	5.468	5.439	5.499	2.8	
	2	5.491	5.462	5.522	2.2	24.0
Heptachlor	1	5.760	5.732	5.792	2.2	
	2	5.758	5.729	5.789	1.6	31.6
Heptachlor Epoxide	1	6.357	6.330	6.390	2.5	
	2	6.344	6.315	6.375	2.2	12.8
Hexachlorobenzene	1	5.181	5.152	5.212	4.6	
	2	5.202	5.173	5.233	1.6	96.8
Methoxychlor	1	7.612	7.584	7.644	2.7	
	2	7.919	7.889	7.949	2.5	7.7

IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

SW-846 8081B

Matrix Spike Dup 1104

Lab Sample ID: B359088-MSD1 Date(s) Analyzed: 12/02/2023 12/02/2023

Instrument ID (1): ECD6 Instrument ID (2): ECD6

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	7.025	6.997	7.057	2.5	
	2	7.133	7.104	7.164	2.6	3.9
4,4'-DDE	1	6.595	6.568	6.628	2.4	
	2	6.708	6.679	6.739	2.2	8.7
4,4'-DDT	1	7.233	7.205	7.265	2.7	
	2	7.370	7.340	7.400	2.5	7.7
Alachlor	1	6.050	6.022	6.082	2.0	
	2	5.907	5.878	5.938	1.7	16.2
Aldrin	1	5.952	5.924	5.984	1.4	
	2	5.962	5.932	5.992	1.2	15.4
alpha-BHC	1	5.280	5.251	5.311	2.1	
	2	5.284	5.255	5.315	1.8	15.4
beta-BHC	1	5.520	5.491	5.551	2.1	
	2	5.544	5.514	5.574	1.7	21.1
delta-BHC	1	5.628	5.599	5.659	2.2	
	2	5.722	5.693	5.753	1.8	20.0
Dieldrin	1	6.800	6.772	6.832	2.1	
	2	6.810	6.780	6.840	2.1	0.0
Endosulfan I	1	6.630	6.602	6.662	2.1	
	2	6.613	6.584	6.644	1.9	10.0
Endosulfan II	1	7.130	7.103	7.163	2.2	
	2	7.189	7.160	7.220	2.1	4.7
Endosulfan Sulfate	1	7.780	7.752	7.812	2.4	
	2	7.662	7.633	7.693	2.3	4.3
Endrin	1	6.967	6.939	6.999	2.3	
	2	7.029	7.000	7.060	2.1	9.1
Endrin Aldehyde	1	7.445	7.417	7.477	2.3	
	2	7.447	7.418	7.478	2.4	4.3
Endrin Ketone	1	7.989	7.960	8.020	2.5	
	2	8.059	8.030	8.090	2.4	4.1
gamma-BHC (Lindane)	1	5.468	5.439	5.499	2.0	
	2	5.491	5.462	5.522	1.7	16.2
Heptachlor	1	5.760	5.732	5.792	1.5	
	2	5.758	5.729	5.789	1.2	22.2
Heptachlor Epoxide	1	6.358	6.330	6.390	2.0	
	2	6.344	6.315	6.375	1.9	5.1
Hexachlorobenzene	1	5.181	5.152	5.212	3.3	
	2	5.202	5.173	5.233	1.6	69.4
Methoxychlor	1	7.612	7.584	7.644	2.7	
	2	7.919	7.889	7.949	2.6	3.8

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8082A

Laboratory:	Pace New England	Work Order:	23K2925
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B - CO 147098
Instrument ID:	ECD 9	Calibration:	2301229
Lab File ID:	I23E283055.d	Calibration Date:	10/10/23 00:31
Sequence:	S094697	Injection Date:	10/10/23
Lab Sample ID:	S094697-ICV1	Injection Time:	18:37

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)	
Aroclor-1232	A	100	96.4				-3.6	20	
Aroclor-1232 (1)	A	100	99.5	537082	534437.6		-0.5	20	
Aroclor-1232 (2)	A	100	104	1163730	1211000		4.1	20	
Aroclor-1232 (3)	A	100	91.7	884865.3	810991		-8.3	20	
Aroclor-1232 (4)	A	100	92.0	592693.9	545399.9		-8.0	20	
Aroclor-1232 (5)	A	100	94.8	913324.7	866208		-5.2	20	
Aroclor-1232 [2C]	A	100	92.8				-7.2	20	
Aroclor-1232 (1) [2C]	A	100	92.5	424603.8	392779.6		-7.5	20	
Aroclor-1232 (2) [2C]	A	100	96.8	502535.5	486210.4		-3.2	20	
Aroclor-1232 (3) [2C]	A	100	91.2	576750.4	526113		-8.8	20	
Aroclor-1232 (4) [2C]	A	100	90.6	651762.3	590445		-9.4	20	
Aroclor-1232 (5) [2C]	A	100	92.9	745135.8	692338.6		-7.1	20	
Aroclor-1268	A	100	105				5.0	20	
Aroclor-1268 (1)	A	100	96.6	8846451	8545000		-3.4	20	
Aroclor-1268 (2)	A	100	99.8	8711182	8697000		-0.2	20	
Aroclor-1268 (3)	A	100	87.8	8069147	7082000		-12.2	20	
Aroclor-1268 (4)	A	100	132	2374024	3139000		32.2	20	*
Aroclor-1268 (5)	A	100	109	2.139713E+07	2.3218E+07		8.5	20	
Aroclor-1268 [2C]	A	100	106				6.5	20	
Aroclor-1268 (1) [2C]	A	100	97.9	6937709	6791000		-2.1	20	
Aroclor-1268 (2) [2C]	A	100	99.4	6641195	6602000		-0.6	20	
Aroclor-1268 (3) [2C]	A	100	88.1	6295507	5548000		-11.9	20	
Aroclor-1268 (4) [2C]	A	100	136	1510619	2048000		35.6	20	*
Aroclor-1268 (5) [2C]	A	100	111	1.746243E+07	1.9448E+07		11.4	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

LOW-CONCENTRATION CALIBRATION VERIFICATION

SW-846 6010D

Laboratory: Pace New England
SDG: 23K2925
Client: NYDEC_TRC Engineers, Inc. - New York, NY
Project: 250 Water Street P-site CAT B - CO 147098
Calibration: 2301436
Laboratory ID: S097023-LCV1
Sequence: S097023
Standard ID: 23J0971

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Aluminum	0.0500	0.0482	-3.5	20.00
Antimony	0.0500	0.0486	-2.9	20.00
Barium	0.0500	0.0504	0.8	20.00
Beryllium	0.00400	0.00403	0.7	20.00
Cadmium	0.00400	0.00333	-16.6	20.00
Calcium	0.500	0.487	-2.6	20.00
Chromium	0.0100	0.0100	0.4	20.00
Cobalt	0.0100	0.00996	-0.4	20.00
Copper	0.0100	0.0104	4.5	20.00
Iron	0.0500	0.0498	-0.5	20.00
Magnesium	0.0500	0.0491	-1.8	20.00
Manganese	0.0100	0.0102	2.0	20.00
Nickel	0.0100	0.00961	-3.9	20.00
Potassium	2.00	1.87	-6.6	20.00
Selenium	0.0500	0.0499	-0.3	20.00
Silver	0.0100	0.0116	15.7	20.00
Thallium	0.0500	0.0513	2.6	20.00
Vanadium	0.0100	0.00989	-1.1	20.00
Zinc	0.0100	0.0102	2.2	20.00

* Values outside of QC limits

LOW-CONCENTRATION CALIBRATION VERIFICATION

SW-846 6010D

Laboratory: Pace New England

Client: NYDEC_TRC Engineers, Inc. - New York, NY

Calibration: 2301436

Sequence: S097023

SDG: 23K2925

Project: 250 Water Street P-site CAT B - CO 147098

Laboratory ID: S097023-LCV2

Standard ID: 23K0097

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Lead	0.0100	0.0115	14.5	20.00

* Values outside of QC limits

LOW-CONCENTRATION CALIBRATION VERIFICATION

SW-846 6010D

Laboratory: Pace New England
SDG: 23K2925
Client: NYDEC_TRC Engineers, Inc. - New York, NY
Project: 250 Water Street P-site CAT B - CO 147098
Calibration: 2301455
Laboratory ID: S097222-LCV1
Sequence: S097222
Standard ID: 23J0971

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Aluminum	0.0500	0.0520	3.9	20.00
Antimony	0.0500	0.0471	-5.7	20.00
Arsenic	0.0100	0.00995	-0.5	20.00
Barium	0.0500	0.0523	4.5	20.00
Beryllium	0.00400	0.00449	12.2	20.00
Calcium	0.500	0.516	3.2	20.00
Chromium	0.0100	0.0105	4.6	20.00
Cobalt	0.0100	0.0106	5.6	20.00
Copper	0.0100	0.0106	6.3	20.00
Iron	0.0500	0.0520	3.9	20.00
Magnesium	0.0500	0.0590	18.1	20.00
Manganese	0.0100	0.0101	0.9	20.00
Nickel	0.0100	0.0105	5.5	20.00
Potassium	2.00	1.90	-4.8	20.00
Selenium	0.0500	0.0489	-2.1	20.00
Silver	0.0100	0.0116	15.7	20.00
Sodium	2.00	1.75	-12.5	20.00
Thallium	0.0500	0.0532	6.4	20.00
Vanadium	0.0100	0.0101	0.8	20.00
Zinc	0.0100	0.0109	8.8	20.00

* Values outside of QC limits

LOW-CONCENTRATION CALIBRATION VERIFICATION

SW-846 6010D

Laboratory: Pace New England
SDG: 23K2925
Client: NYDEC_TRC Engineers, Inc. - New York, NY
Project: 250 Water Street P-site CAT B - CO 147098
Calibration: 2301460
Laboratory ID: S097318-LCV1
Sequence: S097318
Standard ID: 23J0971

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Barium	0.0500	0.0516	3.2	20.00
Beryllium	0.00400	0.00413	3.4	20.00
Cadmium	0.00400	0.00414	3.6	20.00
Calcium	0.500	0.505	1.1	20.00
Chromium	0.0100	0.0103	3.2	20.00
Cobalt	0.0100	0.0104	3.7	20.00
Copper	0.0100	0.0113	13.2	20.00
Iron	0.0500	0.0517	3.5	20.00
Lead	0.0100	0.00944	-5.6	20.00
Magnesium	0.0500	0.0543	8.5	20.00
Manganese	0.0100	0.0101	0.9	20.00
Nickel	0.0100	0.00995	-0.5	20.00
Potassium	2.00	2.12	5.8	20.00
Selenium	0.0500	0.0533	6.6	20.00
Sodium	2.00	2.10	4.8	20.00
Thallium	0.0500	0.0530	6.1	20.00
Vanadium	0.0100	0.0101	1.0	20.00
Zinc	0.0100	0.0106	6.1	20.00

* Values outside of QC limits

INTERFERENCE CHECK SAMPLE

SW-846 6010D

Laboratory:	Pace New England	Work Order:	23K2925
Client:	NYDEC_TRC Engineers, Inc. - New York, N	Project:	250 Water Street P-site CAT B - CO 14709
Instrument ID:	ICP4	Calibration:	2301455
Sequence:	S097232		

Lab Sample ID	Analyte	RL	True	Found	%R	Units
S097232-IFB1	Selenium	0.050	0.500	0.56	112	mg/L
	Silver	0.010	0.400	0.43	109	mg/L
	Sodium	2.0		0.11		mg/L
	Thallium	0.050	0.200	0.23	116	mg/L
	Vanadium	0.010	1.00	0.99	99.3	mg/L
	Zinc	0.010	2.00	1.92	95.9	mg/L
S097232-IFA2	Aluminum	0.050	250	249.49	99.8	mg/L
	Antimony	0.050		0.01		mg/L
	Arsenic	0.010		-0.01		mg/L
	Barium	0.050		0.01		mg/L
	Beryllium	0.0040		0.00		mg/L
	Calcium	0.50	250	255.58	102	mg/L
	Chromium	0.010		0.01		mg/L
	Cobalt	0.010		0.00		mg/L
	Copper	0.010		0.00		mg/L
	Iron	0.050	100	102.39	102	mg/L
	Magnesium	0.050	250	240.53	96.2	mg/L
	Manganese	0.010		0.00		mg/L
	Nickel	0.010		0.00		mg/L
	Potassium	2.0		0.15		mg/L
	Selenium	0.050		0.03		mg/L
	Silver	0.010		0.00		mg/L
	Sodium	2.0		1.33		mg/L
	Thallium	0.050		0.00		mg/L
	Vanadium	0.010		-0.01		mg/L
	Zinc	0.010		0.00		mg/L
S097232-IFB2	Aluminum	0.050	250	252.19	101	mg/L
	Antimony	0.050	1.20	1.23	102	mg/L
	Arsenic	0.010	0.200	0.19	94.1	mg/L
	Barium	0.050	1.00	1.04	104	mg/L
	Beryllium	0.0040	1.00	1.06	106	mg/L
	Calcium	0.50	250	253.57	101	mg/L
	Chromium	0.010	1.00	1.00	100	mg/L
	Cobalt	0.010	1.00	0.94	93.7	mg/L

INTERFERENCE CHECK SAMPLE

SW-846 6010D

Laboratory:	Pace New England	Work Order:	23K2925
Client:	NYDEC_TRC Engineers, Inc. - New York, N	Project:	250 Water Street P-site CAT B - CO 14709
Instrument ID:	ICP4	Calibration:	2301455
Sequence:	S097232		

Lab Sample ID	Analyte	RL	True	Found	%R	Units
S097232-IFB2	Copper	0.010	1.00	1.04	104	mg/L
	Iron	0.050	100	101.68	102	mg/L
	Magnesium	0.050	250	239.33	95.7	mg/L
	Manganese	0.010	1.00	1.01	101	mg/L
	Nickel	0.010	2.00	1.87	93.5	mg/L
	Potassium	2.0		0.12		mg/L
	Selenium	0.050	0.500	0.55	110	mg/L
	Silver	0.010	0.400	0.42	104	mg/L
	Sodium	2.0		1.12		mg/L
	Thallium	**0.050**	**0.200**	**0.24**	**122**	**mg/L**
	Vanadium	0.010	1.00	1.00	100	mg/L
	Zinc	0.010	2.00	1.93	96.4	mg/L

Data Usability Summary Report

Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

250 Water St., Manhattan, NY
Pace/Con-test SDG#23K2927
April 3, 2024
Sampling date: 11/21/2023

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for TRC Engineers, Inc., project located at 250 Water St., Manhattan, NY, Pace/Con-test #23K2927 submitted to Vali-Data of WNY, LLC on January 8, 2024. This DUSR has been prepared in general compliance with USEPA National Functional Guidelines(NFG), NYSDEC; 'Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS)' (4/2023) and NYSDEC Analytical Services Protocols. The laboratory performed the analyses using the USEPA method Perfluorinated Hydrocarbons (1633 (12/2022)) and in accordance with wet chemistry methods.

ID	Sample ID	Laboratory ID
1	250WATERST-MW1-WG	23K2927-01
2	250WATERST-MW2-WG	23K2927-02
3	250WATERST-MW3-WG	23K2927-03
4	250WATERST-MW4-WG	23K2927-04
5	250WATERST-DUP-WG-20230802	23K2927-05
6	250WATERST-EB-20230802	23K2927-06

PFAA

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS)
- Surrogate Spike Recoveries(EIS)
- Blanks
- Field Duplicate Sample Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Data Completeness and Surrogate Spike Recoveries.

DATA COMPLETENESS
All criteria were met except Form VIII, Internal Standard Area and RT Summary, and the Analysis Sequence for B359414-BLK1 and B359414-BS1 were not included. Lack of this documentation calls into question the validity of the QC results. Results for B359414-BLK1/BS1, DUSR ID#1-6 and #4MS/MSD should be qualified as estimated.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except a few surrogates were outside QC limits in a spike and should be qualified as estimated. Associated target analytes in this spike should be qualified as estimated.

Surrogate	Qualifier	Associated Sample
13C2-4:2FTS	UJ/J	2, 3, 4MS/MSD
13C2-6:2FTS	UJ/J	2, 3, 4MSD
13C2-8:2FTS	UJ	2

BLANKS
All the criteria were met except a target analyte was detected in B359414-BLK. This target analyte was > 10x the blank result in the samples in which it was detected, so no further action is required.
A couple of target analytes were detected in S097413-IBL1. These target analytes were not detected in the associated sample, so no further action is required.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met except PFDA was detected in DUSR ID#1 but was not detected in #5.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met except the %Rec of a couple of target analytes was outside QC limits, high in the matrix spikes. These target analytes were not detected in the associated sample, so no further action is required.
Some target analytes were outside QC limits in the matrix spike or the matrix spike duplicate but not both, so no further action is required.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.

CONTINUING CALIBRATION
All criteria were met.

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

Draft Method 1633

Qualifications:

S-29

Extracted Internal Standard is outside of control limits.

Analyte & Samples(s) Qualified:

13C6-PFDA
23K2927-03[250WATERST-MW3-WG]

13C8-PFOA
23K2927-03[250WATERST-MW3-WG]

Perfluorodecanoic acid (PFDA)
23K2927-03[250WATERST-MW3-WG]

Perfluorooctanoic acid (PFOA)
23K2927-03[250WATERST-MW3-WG]

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Technical Representative

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2927

Date Received: 11/22/2023

Field Sample #: 250WATERST-MW1-WG Sampled: 11/21/2023 13:15

Sample ID: 23K2927-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	6.4	3.7	1.3	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:36	AMS
Perfluoropentanoic acid (PFPeA)	5.3	1.8	0.32	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:36	AMS
Perfluorohexanoic acid (PFHxA)	5.3	0.92	0.20	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:36	AMS
Perfluoroheptanoic acid (PFHpA)	9.9	0.92	0.23	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:36	AMS
Perfluorooctanoic acid (PFOA)	150	0.92	0.21	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:36	AMS
Perfluorononanoic acid (PFNA)	1.1	0.92	0.18	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:36	AMS
Perfluorodecanoic acid (PFDA)	0.26	0.92	0.17	ng/L	1	J	Draft Method 1633	11/30/23	12/6/23 16:36	AMS
Perfluoroundecanoic acid (PFUnA)	ND	0.92	0.25	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:36	AMS
Perfluorododecanoic acid (PFDoA)	ND	0.92	0.24	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:36	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	0.92	0.25	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:36	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	0.92	0.23	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:36	AMS
Perfluorobutanesulfonic acid (PFBS)	6.2	0.92	0.24	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:36	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	0.92	0.22	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:36	AMS
Perfluorohexanesulfonic acid (PFHxS)	4.9	0.92	0.19	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:36	AMS
Perfluoroheptanesulfonic acid (PFHpS)	0.93	0.92	0.28	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:36	AMS
Perfluorooctanesulfonic acid (PFOS)	29	0.92	0.29	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:36	AMS
Perfluorononanesulfonic acid (PFNS)	ND	0.92	0.27	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:36	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	0.92	0.29	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:36	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	0.92	0.24	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:36	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	3.7	0.64	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:36	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	3.7	0.91	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:36	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	3.7	1.0	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:36	AMS
Perfluorooctanesulfonamide (PFOSA)	0.76	0.92	0.28	ng/L	1	J	Draft Method 1633	11/30/23	12/6/23 16:36	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	0.92	0.38	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:36	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.92	0.28	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:36	AMS
N-MeFOSAA (NMeFOSAA)	ND	0.92	0.40	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:36	AMS
N-EtFOSAA (NEtFOSAA)	ND	0.92	0.20	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:36	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	9.2	2.4	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:36	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	9.2	2.3	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:36	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	3.7	0.96	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:36	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	3.7	0.63	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:36	AMS
9Cl-PF3ONS (F53B Minor)	ND	3.7	0.78	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:36	AMS
11Cl-PF3OUdS (F53B Major)	ND	3.7	0.89	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:36	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	9.2	1.7	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:36	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	46	9.4	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:36	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	46	8.1	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:36	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8	0.45	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:36	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	1.8	0.46	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:36	AMS

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2927

Date Received: 11/22/2023

Field Sample #: 250WATERST-MW1-WG Sampled: 11/21/2023 13:15

Sample ID: 23K2927-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	1.8	0.37	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:36	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8	0.80	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:36	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C4-PFBA	86.6	10-130		12/6/23 16:36
13C5-PFPeA	92.4	35-150		12/6/23 16:36
13C5-PFHxA	95.8	55-150		12/6/23 16:36
13C4-PFHpA	96.8	55-150		12/6/23 16:36
13C8-PFOA	97.0	60-140		12/6/23 16:36
13C9-PFNA	95.2	55-140		12/6/23 16:36
13C6-PFDA	94.7	50-140		12/6/23 16:36
13C7-PFUnA	91.8	30-140		12/6/23 16:36
13C2-PFDoA	87.5	10-150		12/6/23 16:36
13C2-PFTeDA	85.7	10-130		12/6/23 16:36
13C3-PFBS	91.4	55-150		12/6/23 16:36
13C3-PFHxS	95.3	55-150		12/6/23 16:36
13C8-PFOS	91.2	45-140		12/6/23 16:36
13C2-4:2FTS	81.6	60-200		12/6/23 16:36
13C2-6:2FTS	92.8	60-200		12/6/23 16:36
13C2-8:2FTS	91.0	50-200		12/6/23 16:36
13C8-PFOSA	84.3	30-130		12/6/23 16:36
D3-NMeFOSA	79.9	15-130		12/6/23 16:36
D5-NEtFOSA	87.0	10-130		12/6/23 16:36
D3-NMeFOSAA	92.2	45-200		12/6/23 16:36
D5-NEtFOSAA	87.1	10-200		12/6/23 16:36
D7-NMeFOSE	82.8	10-150		12/6/23 16:36
D9-NEtFOSE	81.5	10-150		12/6/23 16:36
13C3-HFPO-DA	90.9	25-160		12/6/23 16:36

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2927

Date Received: 11/22/2023

Field Sample #: 250WATERST-MW2-WG Sampled: 11/21/2023 12:00

Sample ID: 23K2927-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	14	3.6	1.3	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:52	AMS
Perfluoropentanoic acid (PFPeA)	25	1.8	0.31	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:52	AMS
Perfluorohexanoic acid (PFHxA)	17	0.90	0.19	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:52	AMS
Perfluoroheptanoic acid (PFHpA)	14	0.90	0.23	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:52	AMS
Perfluorooctanoic acid (PFOA)	220	0.90	0.20	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:52	AMS
Perfluorononanoic acid (PFNA)	5.6	0.90	0.17	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:52	AMS
Perfluorodecanoic acid (PFDA)	0.91	0.90	0.17	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:52	AMS
Perfluoroundecanoic acid (PFUnA)	ND	0.90	0.25	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:52	AMS
Perfluorododecanoic acid (PFDoA)	ND	0.90	0.23	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:52	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	0.90	0.24	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:52	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	0.90	0.22	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:52	AMS
Perfluorobutanesulfonic acid (PFBS)	59	0.90	0.23	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:52	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	0.90	0.21	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:52	AMS
Perfluorohexanesulfonic acid (PFHxS)	14	0.90	0.18	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:52	AMS
Perfluoroheptanesulfonic acid (PFHpS)	1.5	0.90	0.27	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:52	AMS
Perfluorooctanesulfonic acid (PFOS)	34	0.90	0.29	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:52	AMS
Perfluorononanesulfonic acid (PFNS)	ND	0.90	0.26	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:52	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	0.90	0.28	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:52	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	0.90	0.24	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:52	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	3.6	0.63	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:52	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	3.6	0.89	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:52	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	3.6	0.97	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:52	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	0.90	0.28	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:52	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	0.90	0.37	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:52	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.90	0.28	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:52	AMS
N-MeFOSAA (NMeFOSAA)	ND	0.90	0.40	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:52	AMS
N-EtFOSAA (NEtFOSAA)	ND	0.90	0.20	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:52	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	9.0	2.4	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:52	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	9.0	2.2	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:52	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	3.6	0.94	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:52	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	3.6	0.62	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:52	AMS
9Cl-PF3ONS (F53B Minor)	ND	3.6	0.77	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:52	AMS
11Cl-PF3OUdS (F53B Major)	ND	3.6	0.87	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:52	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	9.0	1.6	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:52	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	45	9.2	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:52	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	45	7.9	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:52	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8	0.44	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:52	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	1.8	0.45	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:52	AMS

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2927

Date Received: 11/22/2023

Field Sample #: 250WATERST-MW2-WG Sampled: 11/21/2023 12:00

Sample ID: 23K2927-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	1.8	0.36	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:52	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8	0.78	ng/L	1		Draft Method 1633	11/30/23	12/6/23 16:52	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C4-PFBA	38.6	10-130		12/6/23 16:52
13C5-PFPeA	80.1	35-150		12/6/23 16:52
13C5-PFHxA	91.8	55-150		12/6/23 16:52
13C4-PFHpA	107	55-150		12/6/23 16:52
13C8-PFOA	93.0	60-140		12/6/23 16:52
13C9-PFNA	90.3	55-140		12/6/23 16:52
13C6-PFDA	88.1	50-140		12/6/23 16:52
13C7-PFUnA	88.7	30-140		12/6/23 16:52
13C2-PFDoA	88.7	10-150		12/6/23 16:52
13C2-PFTeDA	72.0	10-130		12/6/23 16:52
13C3-PFBS	83.4	55-150		12/6/23 16:52
13C3-PFHxS	95.4	55-150		12/6/23 16:52
13C8-PFOS	93.5	45-140		12/6/23 16:52
13C2-4:2FTS	160	60-200		12/6/23 16:52
13C2-6:2FTS	181	60-200		12/6/23 16:52
13C2-8:2FTS	174	50-200		12/6/23 16:52
13C8-PFOSA	86.0	30-130		12/6/23 16:52
D3-NMeFOSA	70.8	15-130		12/6/23 16:52
D5-NEtFOSA	67.6	10-130		12/6/23 16:52
D3-NMeFOSAA	105	45-200		12/6/23 16:52
D5-NEtFOSAA	114	10-200		12/6/23 16:52
D7-NMeFOSE	68.3	10-150		12/6/23 16:52
D9-NEtFOSE	61.9	10-150		12/6/23 16:52
13C3-HFPO-DA	77.9	25-160		12/6/23 16:52

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2927

Date Received: 11/22/2023

Field Sample #: 250WATERST-MW3-WG Sampled: 11/21/2023 11:00

Sample ID: 23K2927-03

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	35	3.9	1.4	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:07	AMS
Perfluoropentanoic acid (PFPeA)	66	1.9	0.33	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:07	AMS
Perfluorohexanoic acid (PFHxA)	42	0.96	0.21	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:07	AMS
Perfluoroheptanoic acid (PFHpA)	7.8	0.96	0.25	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:07	AMS
Perfluorooctanoic acid (PFOA)	22	0.96	0.22	ng/L	1	S-29	Draft Method 1633	11/30/23	12/6/23 17:07	AMS
Perfluorononanoic acid (PFNA)	6.0	0.96	0.18	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:07	AMS
Perfluorodecanoic acid (PFDA)	1.8	0.96	0.18	ng/L	1	S-29	Draft Method 1633	11/30/23	12/6/23 17:07	AMS
Perfluoroundecanoic acid (PFUnA)	ND	0.96	0.26	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:07	AMS
Perfluorododecanoic acid (PFDoA)	ND	0.96	0.25	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:07	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	0.96	0.26	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:07	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	0.96	0.24	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:07	AMS
Perfluorobutanesulfonic acid (PFBS)	11	0.96	0.25	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:07	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	0.96	0.23	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:07	AMS
Perfluorohexanesulfonic acid (PFHxS)	3.8	0.96	0.20	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:07	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.96	0.29	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:07	AMS
Perfluorooctanesulfonic acid (PFOS)	66	0.96	0.31	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:07	AMS
Perfluorononanesulfonic acid (PFNS)	ND	0.96	0.28	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:07	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	0.96	0.30	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:07	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	0.96	0.26	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:07	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	3.9	0.67	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:07	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	3.9	0.95	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:07	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	3.9	1.0	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:07	AMS
Perfluorooctanesulfonamide (PFOSA)	4.9	0.96	0.30	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:07	AMS
N-methyl perfluorooctanesulfonamide (NMeFOSA)	ND	0.96	0.40	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:07	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.96	0.30	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:07	AMS
N-MeFOSAA (NMeFOSAA)	ND	0.96	0.42	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:07	AMS
N-EtFOSAA (NEtFOSAA)	3.0	0.96	0.21	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:07	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	9.6	2.5	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:07	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	9.6	2.4	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:07	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	3.9	1.0	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:07	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	3.9	0.66	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:07	AMS
9Cl-PF3ONS (F53B Minor)	ND	3.9	0.82	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:07	AMS
11Cl-PF3OUdS (F53B Major)	ND	3.9	0.93	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:07	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	9.6	1.7	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:07	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	48	9.8	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:07	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	48	8.5	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:07	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9	0.47	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:07	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	1.9	0.48	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:07	AMS

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2927

Date Received: 11/22/2023

Field Sample #: 250WATERST-MW3-WG Sampled: 11/21/2023 11:00

Sample ID: 23K2927-03

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	1.9	0.39	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:07	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	0.83	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:07	AMS

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
13C4-PFBA	96.0		10-130		12/6/23 17:07
13C5-PFPeA	136		35-150		12/6/23 17:07
13C5-PFHxA	143		55-150		12/6/23 17:07
13C4-PFHpA	148		55-150		12/6/23 17:07
13C8-PFOA	**143**	*	60-140	S-29	12/6/23 17:07
13C9-PFNA	140		55-140		12/6/23 17:07
13C6-PFDA	**146**	*	50-140	S-29	12/6/23 17:07
13C7-PFUnA	134		30-140		12/6/23 17:07
13C2-PFDoA	125		10-150		12/6/23 17:07
13C2-PFTeDA	117		10-130		12/6/23 17:07
13C3-PFBS	135		55-150		12/6/23 17:07
13C3-PFHxS	144		55-150		12/6/23 17:07
13C8-PFOS	132		45-140		12/6/23 17:07
13C2-4:2FTS	151		60-200		12/6/23 17:07
13C2-6:2FTS	154		60-200		12/6/23 17:07
13C2-8:2FTS	137		50-200		12/6/23 17:07
13C8-PFOSA	121		30-130		12/6/23 17:07
D3-NMeFOSA	113		15-130		12/6/23 17:07
D5-NEtFOSA	114		10-130		12/6/23 17:07
D3-NMeFOSAA	129		45-200		12/6/23 17:07
D5-NEtFOSAA	125		10-200		12/6/23 17:07
D7-NMeFOSE	105		10-150		12/6/23 17:07
D9-NEtFOSE	104		10-150		12/6/23 17:07
13C3-HFPO-DA	136		25-160		12/6/23 17:07

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2927

Date Received: 11/22/2023

Field Sample #: 250WATERST-MW4-WG Sampled: 11/21/2023 08:30

Sample ID: 23K2927-04

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	16	3.9	1.4	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:23	AMS
Perfluoropentanoic acid (PFPeA)	24	1.9	0.34	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:23	AMS
Perfluorohexanoic acid (PFHxA)	21	0.97	0.21	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:23	AMS
Perfluoroheptanoic acid (PFHpA)	8.6	0.97	0.25	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:23	AMS
Perfluorooctanoic acid (PFOA)	38	0.97	0.22	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:23	AMS
Perfluorononanoic acid (PFNA)	10	0.97	0.18	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:23	AMS
Perfluorodecanoic acid (PFDA)	1.2	0.97	0.18	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:23	AMS
Perfluoroundecanoic acid (PFUnA)	ND	0.97	0.26	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:23	AMS
Perfluorododecanoic acid (PFDoA)	ND	0.97	0.25	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:23	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	0.97	0.26	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:23	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	0.97	0.24	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:23	AMS
Perfluorobutanesulfonic acid (PFBS)	6.6	0.97	0.25	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:23	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	0.97	0.23	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:23	AMS
Perfluorohexanesulfonic acid (PFHxS)	3.5	0.97	0.20	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:23	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.97	0.30	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:23	AMS
Perfluorooctanesulfonic acid (PFOS)	31	0.97	0.31	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:23	AMS
Perfluorononanesulfonic acid (PFNS)	ND	0.97	0.28	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:23	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	0.97	0.30	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:23	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	0.97	0.26	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:23	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	3.9	0.67	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:23	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	3.9	0.95	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:23	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	3.9	1.0	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:23	AMS
Perfluorooctanesulfonamide (PFOSA)	3.4	0.97	0.30	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:23	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	0.97	0.40	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:23	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.97	0.30	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:23	AMS
N-MeFOSAA (NMeFOSAA)	ND	0.97	0.43	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:23	AMS
N-EtFOSAA (NEtFOSAA)	2.8	0.97	0.21	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:23	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	9.7	2.5	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:23	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	9.7	2.4	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:23	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	2.2	3.9	1.0	ng/L	1	J	Draft Method 1633	11/30/23	12/6/23 17:23	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	3.9	0.66	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:23	AMS
9Cl-PF3ONS (F53B Minor)	ND	3.9	0.82	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:23	AMS
11Cl-PF3OUdS (F53B Major)	ND	3.9	0.93	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:23	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	9.7	1.7	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:23	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	48	9.9	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:23	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	48	8.5	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:23	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9	0.47	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:23	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	1.9	0.48	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:23	AMS

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2927

Date Received: 11/22/2023

Field Sample #: 250WATERST-MW4-WG Sampled: 11/21/2023 08:30

Sample ID: 23K2927-04

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	1.9	0.39	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:23	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	0.84	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:23	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C4-PFBA	78.1	10-130		12/6/23 17:23
13C5-PFPeA	82.2	35-150		12/6/23 17:23
13C5-PFHxA	91.2	55-150		12/6/23 17:23
13C4-PFHpA	98.9	55-150		12/6/23 17:23
13C8-PFOA	91.3	60-140		12/6/23 17:23
13C9-PFNA	90.8	55-140		12/6/23 17:23
13C6-PFDA	93.7	50-140		12/6/23 17:23
13C7-PFUnA	90.2	30-140		12/6/23 17:23
13C2-PFDoA	89.5	10-150		12/6/23 17:23
13C2-PFTeDA	76.2	10-130		12/6/23 17:23
13C3-PFBS	82.3	55-150		12/6/23 17:23
13C3-PFHxS	92.4	55-150		12/6/23 17:23
13C8-PFOS	87.2	45-140		12/6/23 17:23
13C2-4:2FTS	149	60-200		12/6/23 17:23
13C2-6:2FTS	133	60-200		12/6/23 17:23
13C2-8:2FTS	120	50-200		12/6/23 17:23
13C8-PFOSA	77.8	30-130		12/6/23 17:23
D3-NMeFOSA	73.4	15-130		12/6/23 17:23
D5-NEtFOSA	72.6	10-130		12/6/23 17:23
D3-NMeFOSAA	83.3	45-200		12/6/23 17:23
D5-NEtFOSAA	89.0	10-200		12/6/23 17:23
D7-NMeFOSE	72.6	10-150		12/6/23 17:23
D9-NEtFOSE	68.7	10-150		12/6/23 17:23
13C3-HFPO-DA	80.9	25-160		12/6/23 17:23

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2927

Date Received: 11/22/2023

Field Sample #: 250WATERST-DUP-WG-20230802 Sampled: 11/21/2023 00:00

Sample ID: 23K2927-05

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	6.0	3.8	1.4	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:39	AMS
Perfluoropentanoic acid (PFPeA)	5.2	1.9	0.33	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:39	AMS
Perfluorohexanoic acid (PFHxA)	5.6	0.96	0.21	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:39	AMS
Perfluoroheptanoic acid (PFHpA)	9.9	0.96	0.25	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:39	AMS
Perfluorooctanoic acid (PFOA)	140	0.96	0.22	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:39	AMS
Perfluorononanoic acid (PFNA)	1.1	0.96	0.18	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:39	AMS
Perfluorodecanoic acid (PFDA)	ND	0.96	0.18	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:39	AMS
Perfluoroundecanoic acid (PFUnA)	ND	0.96	0.26	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:39	AMS
Perfluorododecanoic acid (PFDoA)	ND	0.96	0.25	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:39	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	0.96	0.26	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:39	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	0.96	0.24	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:39	AMS
Perfluorobutanesulfonic acid (PFBS)	6.0	0.96	0.25	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:39	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	0.96	0.23	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:39	AMS
Perfluorohexanesulfonic acid (PFHxS)	5.0	0.96	0.20	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:39	AMS
Perfluoroheptanesulfonic acid (PFHpS)	0.97	0.96	0.29	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:39	AMS
Perfluorooctanesulfonic acid (PFOS)	26	0.96	0.31	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:39	AMS
Perfluorononanesulfonic acid (PFNS)	ND	0.96	0.28	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:39	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	0.96	0.30	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:39	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	0.96	0.26	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:39	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	3.8	0.67	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:39	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	3.8	0.95	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:39	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	3.8	1.0	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:39	AMS
Perfluorooctanesulfonamide (PFOSA)	0.69	0.96	0.30	ng/L	1	J	Draft Method 1633	11/30/23	12/6/23 17:39	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	0.96	0.40	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:39	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.96	0.30	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:39	AMS
N-MeFOSAA (NMeFOSAA)	ND	0.96	0.42	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:39	AMS
N-EtFOSAA (NEtFOSAA)	ND	0.96	0.21	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:39	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	9.6	2.5	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:39	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	9.6	2.4	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:39	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	3.8	1.0	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:39	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	3.8	0.66	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:39	AMS
9Cl-PF3ONS (F53B Minor)	ND	3.8	0.82	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:39	AMS
11Cl-PF3OUdS (F53B Major)	ND	3.8	0.93	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:39	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	9.6	1.7	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:39	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	48	9.8	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:39	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	48	8.5	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:39	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9	0.47	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:39	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	1.9	0.48	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:39	AMS

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2927

Date Received: 11/22/2023

Field Sample #: 250WATERST-DUP-WG-20230802 Sampled: 11/21/2023 00:00

Sample ID: 23K2927-05

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	1.9	0.39	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:39	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	0.83	ng/L	1		Draft Method 1633	11/30/23	12/6/23 17:39	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C4-PFBA	82.3	10-130		12/6/23 17:39
13C5-PFPeA	90.6	35-150		12/6/23 17:39
13C5-PFHxA	94.0	55-150		12/6/23 17:39
13C4-PFHpA	94.2	55-150		12/6/23 17:39
13C8-PFOA	90.4	60-140		12/6/23 17:39
13C9-PFNA	88.8	55-140		12/6/23 17:39
13C6-PFDA	90.5	50-140		12/6/23 17:39
13C7-PFUnA	84.8	30-140		12/6/23 17:39
13C2-PFDoA	79.9	10-150		12/6/23 17:39
13C2-PFTeDA	73.2	10-130		12/6/23 17:39
13C3-PFBS	89.4	55-150		12/6/23 17:39
13C3-PFHxS	93.1	55-150		12/6/23 17:39
13C8-PFOS	88.9	45-140		12/6/23 17:39
13C2-4:2FTS	77.0	60-200		12/6/23 17:39
13C2-6:2FTS	87.7	60-200		12/6/23 17:39
13C2-8:2FTS	86.0	50-200		12/6/23 17:39
13C8-PFOSA	78.7	30-130		12/6/23 17:39
D3-NMeFOSA	74.0	15-130		12/6/23 17:39
D5-NEtFOSA	77.6	10-130		12/6/23 17:39
D3-NMeFOSAA	89.1	45-200		12/6/23 17:39
D5-NEtFOSAA	84.8	10-200		12/6/23 17:39
D7-NMeFOSE	73.9	10-150		12/6/23 17:39
D9-NEtFOSE	74.4	10-150		12/6/23 17:39
13C3-HFPO-DA	88.9	25-160		12/6/23 17:39

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Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2927

Date Received: 11/22/2023

Field Sample #: 250WATERST-EB-20230802 Sampled: 11/21/2023 13:30

Sample ID: 23K2927-06

Sample Matrix: Equipment Blank Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	3.9	1.4	ng/L	1		Draft Method 1633	11/30/23	12/6/23 18:26	AMS
Perfluoropentanoic acid (PFPeA)	ND	1.9	0.34	ng/L	1		Draft Method 1633	11/30/23	12/6/23 18:26	AMS
Perfluorohexanoic acid (PFHxA)	ND	0.97	0.21	ng/L	1		Draft Method 1633	11/30/23	12/6/23 18:26	AMS
Perfluoroheptanoic acid (PFHpA)	ND	0.97	0.25	ng/L	1		Draft Method 1633	11/30/23	12/6/23 18:26	AMS
Perfluorooctanoic acid (PFOA)	ND	0.97	0.22	ng/L	1		Draft Method 1633	11/30/23	12/6/23 18:26	AMS
Perfluorononanoic acid (PFNA)	ND	0.97	0.19	ng/L	1		Draft Method 1633	11/30/23	12/6/23 18:26	AMS
Perfluorodecanoic acid (PFDA)	ND	0.97	0.18	ng/L	1		Draft Method 1633	11/30/23	12/6/23 18:26	AMS
Perfluoroundecanoic acid (PFUnA)	ND	0.97	0.27	ng/L	1		Draft Method 1633	11/30/23	12/6/23 18:26	AMS
Perfluorododecanoic acid (PFDoA)	ND	0.97	0.25	ng/L	1		Draft Method 1633	11/30/23	12/6/23 18:26	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	0.97	0.26	ng/L	1		Draft Method 1633	11/30/23	12/6/23 18:26	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	0.97	0.24	ng/L	1		Draft Method 1633	11/30/23	12/6/23 18:26	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	0.97	0.25	ng/L	1		Draft Method 1633	11/30/23	12/6/23 18:26	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	0.97	0.23	ng/L	1		Draft Method 1633	11/30/23	12/6/23 18:26	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	0.97	0.20	ng/L	1		Draft Method 1633	11/30/23	12/6/23 18:26	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.97	0.30	ng/L	1		Draft Method 1633	11/30/23	12/6/23 18:26	AMS
Perfluorooctanesulfonic acid (PFOS)	ND	0.97	0.31	ng/L	1		Draft Method 1633	11/30/23	12/6/23 18:26	AMS
Perfluorononanesulfonic acid (PFNS)	ND	0.97	0.29	ng/L	1		Draft Method 1633	11/30/23	12/6/23 18:26	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	0.97	0.31	ng/L	1		Draft Method 1633	11/30/23	12/6/23 18:26	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	0.97	0.26	ng/L	1		Draft Method 1633	11/30/23	12/6/23 18:26	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	3.9	0.68	ng/L	1		Draft Method 1633	11/30/23	12/6/23 18:26	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	3.9	0.96	ng/L	1		Draft Method 1633	11/30/23	12/6/23 18:26	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	3.9	1.1	ng/L	1		Draft Method 1633	11/30/23	12/6/23 18:26	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	0.97	0.30	ng/L	1		Draft Method 1633	11/30/23	12/6/23 18:26	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	0.97	0.40	ng/L	1		Draft Method 1633	11/30/23	12/6/23 18:26	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.97	0.30	ng/L	1		Draft Method 1633	11/30/23	12/6/23 18:26	AMS
N-MeFOSAA (NMeFOSAA)	ND	0.97	0.43	ng/L	1		Draft Method 1633	11/30/23	12/6/23 18:26	AMS
N-EtFOSAA (NEtFOSAA)	ND	0.97	0.22	ng/L	1		Draft Method 1633	11/30/23	12/6/23 18:26	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	9.7	2.6	ng/L	1		Draft Method 1633	11/30/23	12/6/23 18:26	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	9.7	2.4	ng/L	1		Draft Method 1633	11/30/23	12/6/23 18:26	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	3.9	1.0	ng/L	1		Draft Method 1633	11/30/23	12/6/23 18:26	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	3.9	0.67	ng/L	1		Draft Method 1633	11/30/23	12/6/23 18:26	AMS
9Cl-PF3ONS (F53B Minor)	ND	3.9	0.83	ng/L	1		Draft Method 1633	11/30/23	12/6/23 18:26	AMS
11Cl-PF3OUdS (F53B Major)	ND	3.9	0.94	ng/L	1		Draft Method 1633	11/30/23	12/6/23 18:26	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	9.7	1.8	ng/L	1		Draft Method 1633	11/30/23	12/6/23 18:26	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	49	9.9	ng/L	1		Draft Method 1633	11/30/23	12/6/23 18:26	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	49	8.6	ng/L	1		Draft Method 1633	11/30/23	12/6/23 18:26	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9	0.48	ng/L	1		Draft Method 1633	11/30/23	12/6/23 18:26	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	1.9	0.48	ng/L	1		Draft Method 1633	11/30/23	12/6/23 18:26	AMS

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water St, Manhattan, NY Sample Description: Work Order: 23K2927

Date Received: 11/22/2023

Field Sample #: 250WATERST-EB-20230802 Sampled: 11/21/2023 13:30

Sample ID: 23K2927-06

Sample Matrix: Equipment Blank Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	1.9	0.39	ng/L	1		Draft Method 1633	11/30/23	12/6/23 18:26	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	0.84	ng/L	1		Draft Method 1633	11/30/23	12/6/23 18:26	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C4-PFBA	90.5	10-130		12/6/23 18:26
13C5-PFPeA	89.2	35-150		12/6/23 18:26
13C5-PFHxA	91.1	55-150		12/6/23 18:26
13C4-PFHpA	91.5	55-150		12/6/23 18:26
13C8-PFOA	89.8	60-140		12/6/23 18:26
13C9-PFNA	88.4	55-140		12/6/23 18:26
13C6-PFDA	91.7	50-140		12/6/23 18:26
13C7-PFUnA	87.1	30-140		12/6/23 18:26
13C2-PFDoA	84.6	10-150		12/6/23 18:26
13C2-PFTeDA	84.2	10-130		12/6/23 18:26
13C3-PFBS	85.8	55-150		12/6/23 18:26
13C3-PFHxS	89.8	55-150		12/6/23 18:26
13C8-PFOS	92.7	45-140		12/6/23 18:26
13C2-4:2FTS	72.3	60-200		12/6/23 18:26
13C2-6:2FTS	98.2	60-200		12/6/23 18:26
13C2-8:2FTS	95.1	50-200		12/6/23 18:26
13C8-PFOSA	84.0	30-130		12/6/23 18:26
D3-NMeFOSA	80.8	15-130		12/6/23 18:26
D5-NEtFOSA	87.2	10-130		12/6/23 18:26
D3-NMeFOSAA	93.3	45-200		12/6/23 18:26
D5-NEtFOSAA	89.8	10-200		12/6/23 18:26
D7-NMeFOSE	86.4	10-150		12/6/23 18:26
D9-NEtFOSE	84.7	10-150		12/6/23 18:26
13C3-HFPO-DA	88.1	25-160		12/6/23 18:26

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B359414 - Draft Method 1633										
Matrix Spike (B359414-MS2)	**Source: 23K2927-04**			Prepared: 12/04/23 Analyzed: 12/06/23						
N-EtFOSAA (NEtFOSAA)	27.8	0.97	ng/L	23.3	2.79	107	59-146			
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	240	9.7	ng/L	233	ND	103	71-136			
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	246	9.7	ng/L	233	ND	106	69-137			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	94.6	3.9	ng/L	93.4	2.21	98.9	63-144			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	102	3.9	ng/L	88.1	ND	116	68-146			
9Cl-PF3ONS (F53B Minor)	103	3.9	ng/L	87.5	ND	117	56-156			
11Cl-PF3OUdS (F53B Major)	106	3.9	ng/L	88.1	ND	121	46-156			
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	194	9.7	ng/L	233	ND	83.3	62-129			
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	1540	49	ng/L	1170	ND	132	63-134			
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	1600	49	ng/L	1170	ND	137	50-138			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	44.8	1.9	ng/L	41.6	ND	108	56-151			
Perfluoro-3-methoxypropanoic acid (PFMPA)	43.7	1.9	ng/L	46.7	ND	93.5	51-145			
Perfluoro-4-methoxybutanoic acid (PFMBA)	48.2	1.9	ng/L	46.7	ND	103	55-148			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	34.2	1.9	ng/L	46.7	ND	73.2	48-161			
Surrogate: 13C4-PFBA	*71.3*		ng/L	97.3		73.3	10-130			
Surrogate: 13C5-PFPeA	*42.9*		ng/L	48.6		88.2	35-150			
Surrogate: 13C5-PFHxA	*23.2*		ng/L	24.3		95.4	55-150			
Surrogate: 13C4-PFHpA	*25.1*		ng/L	24.3		103	55-150			
Surrogate: 13C8-PFOA	*24.0*		ng/L	24.3		98.5	60-140			
Surrogate: 13C9-PFNA	*11.5*		ng/L	12.2		94.2	55-140			
Surrogate: 13C6-PFDA	*11.8*		ng/L	12.2		97.3	50-140			
Surrogate: 13C7-PFUnA	*11.4*		ng/L	12.2		93.6	30-140			
Surrogate: 13C2-PFDoA	*11.3*		ng/L	12.2		93.3	10-150			
Surrogate: 13C2-PFTeDA	*10.2*		ng/L	12.2		84.3	10-130			
Surrogate: 13C3-PFBS	*21.3*		ng/L	24.3		87.8	55-150			
Surrogate: 13C3-PFHxS	*23.3*		ng/L	24.3		95.8	55-150			
Surrogate: 13C8-PFOS	*22.6*		ng/L	24.3		93.0	45-140			
Surrogate: 13C2-4:2FTS	*82.2*		ng/L	48.6		169	60-200			
Surrogate: 13C2-6:2FTS	*73.0*		ng/L	48.6		150	60-200			
Surrogate: 13C2-8:2FTS	*66.9*		ng/L	48.6		138	50-200			
Surrogate: 13C8-PFOSA	*19.6*		ng/L	24.3		80.4	30-130			
Surrogate: D3-NMeFOSA	*18.7*		ng/L	24.3		76.8	15-130			
Surrogate: D5-NEtFOSA	*18.3*		ng/L	24.3		75.1	10-130			
Surrogate: D3-NMeFOSAA	*42.8*		ng/L	48.6		88.0	45-200			
Surrogate: D5-NEtFOSAA	*47.0*		ng/L	48.6		96.5	10-200			
Surrogate: D7-NMeFOSE	*182*		ng/L	243		75.0	10-150			
Surrogate: D9-NEtFOSE	*178*		ng/L	243		73.0	10-150			
Surrogate: 13C3-HFPO-DA	*82.7*		ng/L	97.3		85.0	25-160			
Matrix Spike Dup (B359414-MSD2)	**Source: 23K2927-04**			Prepared: 12/04/23 Analyzed: 12/06/23						
Perfluorobutanoic acid (PFBA)	122	4.0	ng/L	96.0	15.8	111	58-148	4.44	20	
Perfluoropentanoic acid (PFPeA)	76.4	2.0	ng/L	48.0	24.1	109	54-152	1.03	20	
Perfluorohexanoic acid (PFHxA)	46.1	1.0	ng/L	24.0	20.6	106	55-152	0.158	25	
Perfluoroheptanoic acid (PFHpA)	35.2	1.0	ng/L	24.0	8.57	111	54-154	2.80	25	
Perfluorooctanoic acid (PFOA)	64.9	1.0	ng/L	24.0	38.1	112	52-161	4.37	25	

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B359414 - Draft Method 1633										
Matrix Spike Dup (B359414-MSD2)	**Source: 23K2927-04**			Prepared: 12/04/23 Analyzed: 12/06/23						
Surrogate: 13C6-PFDA	*11.6*		ng/L	12.5		92.5	50-140			
Surrogate: 13C7-PFUnA	*11.6*		ng/L	12.5		92.6	30-140			
Surrogate: 13C2-PFDoA	*11.2*		ng/L	12.5		89.4	10-150			
Surrogate: 13C2-PFTeDA	*9.80*		ng/L	12.5		78.4	10-130			
Surrogate: 13C3-PFBS	*21.2*		ng/L	25.0		84.6	55-150			
Surrogate: 13C3-PFHxS	*22.9*		ng/L	25.0		91.5	55-150			
Surrogate: 13C8-PFOS	*22.4*		ng/L	25.0		89.5	45-140			
Surrogate: 13C2-4:2FTS	*83.0*		ng/L	50.0		166	60-200			
Surrogate: 13C2-6:2FTS	*75.4*		ng/L	50.0		151	60-200			
Surrogate: 13C2-8:2FTS	*68.0*		ng/L	50.0		136	50-200			
Surrogate: 13C8-PFOSA	*19.5*		ng/L	25.0		78.0	30-130			
Surrogate: D3-NMeFOSA	*18.8*		ng/L	25.0		75.2	15-130			
Surrogate: D5-NEtFOSA	*18.9*		ng/L	25.0		75.5	10-130			
Surrogate: D3-NMeFOSAA	*43.7*		ng/L	50.0		87.5	45-200			
Surrogate: D5-NEtFOSAA	*46.4*		ng/L	50.0		92.7	10-200			
Surrogate: D7-NMeFOSE	*187*		ng/L	250		74.7	10-150			
Surrogate: D9-NEtFOSE	*178*		ng/L	250		71.2	10-150			
Surrogate: 13C3-HFPO-DA	*80.8*		ng/L	100		80.8	25-160			

Data Usability Summary Report

Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

250 Water St., Manhattan, NY
SDG#23G2052
December 14, 2023
Revised: February 5, 2024
Sampling date: 7/13/2023

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package (revised February 5, 2024) for TRC Engineers, Inc., project located at 250 Water St., Manhattan, NY, Pace/Con-Test, SDG#23G2052 submitted to Vali-Data of WNY, LLC on October 10, 2023. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines (SOP NO. HW-31, revision 6). The laboratory performed the analysis using Compendium of Methods for the Determination of Toxic Organic Compounds, Compendium Method TO-15, January 1999.

DUSR ID	Sample ID	Laboratory ID
1	250WATERST-AA1-AS	23G2052-01
2	250WATERST-AA2-AS	23G2052-02
3	250WATERST-AA3-AS	23G2052-03
4	250WATERST-AA4-AS	23G2052-04

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Internal Standard (IS) Area Performance
-Method Blank
-Field Duplicate Sample Precision
-Laboratory Control Samples
-MS/MSD/Duplicate
-Compound Quantitation
-Initial Calibration
-Continuing Calibration
-GC/MS Performance Check
-Canister Certification Blanks

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Method Blank, Laboratory Control Samples, Initial Calibration and Continuing Calibration.

The concentration of all target analytes was recorded to the reporting limits.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

METHOD BLANK
All criteria were met except a target analyte was detected in the method blank and should be qualified in the associated samples in which it was detected.

Blank ID	Target Analyte	Concentration(ppb)	Qualifier	Associated Sample
B347253	1,2-Dibromoethane	.0080	U at RL	1-4

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met except a couple of target analytes were outside QC limits in a laboratory control sample and should be qualified as estimated.

LCS ID	Target Analyte	%Rec	Qualifier	Associated Sample
B347253	Dichlorodifluoromethane	135	JH	1-4
B347253	Ethanol	136	JH	1-4

MS/MSD/DUPLICATE
No MS/MSD/Duplicate was acquired.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met except a target analyte was outside QC limits in the initial calibration and

should be qualified as estimated in the associated blanks, spikes and samples.

ICal instrument	Target Analyte	%RSD	Qualifier	Associated Sample
SSYJ	Naphthalene	30.7	UJ/J	B347253, 1-4

CONTINUING CALIBRATION

All criteria were met except a target analyte was outside QC limits in a continuing calibration and should be qualified as estimated in the associated samples, blanks and spikes.

CCal ID	Target Analyte	%D	Qualifier	Associated Sample
S091088-CCV1	Dichlorodifluoromethane	39.6	UJ/J	B347253, 1-4

GC/MS PERFORMANCE CHECK

All criteria were met.

CANISTER CERTIFICATION BLANKS

All criteria were met.

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

REVISED 8/14/23: Report revised to MDL for Category B reporting.

EPA TO-15

Qualifications:

L-05 Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the high side.

Analyte & Samples(s) Qualified:

Dichlorodifluoromethane (Freon 12), Ethanol

23G2052-01[250WATERST-AA1-AS], 23G2052-02[250WATERST-AA2-AS], 23G2052-03[250WATERST-AA3-AS], 23G2052-04[250WATERST-AA4-AS], B347253-BS1

V-06 Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

Analyte & Samples(s) Qualified:

Dichlorodifluoromethane (Freon 12)

23G2052-01[250WATERST-AA1-AS], 23G2052-02[250WATERST-AA2-AS], 23G2052-03[250WATERST-AA3-AS], 23G2052-04[250WATERST-AA4-AS], B347253-BS1, S091088-CCV1

Z-01 Calibrations RSD for this compound is >30% but <40%.

Analyte & Samples(s) Qualified:

Naphthalene

23G2052-01[250WATERST-AA1-AS], 23G2052-02[250WATERST-AA2-AS], 23G2052-03[250WATERST-AA3-AS], 23G2052-04[250WATERST-AA4-AS], B347253-BLK1, B347253-BS1, S091088-CCV1

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Raymond J. McCarthy
Project Manager

con-test® A Pace Analytical® Laboratory
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: Manhattan, NY
Date Received: 7/14/2023
Field Sample #: 250WATERST-AA1-AS
Sample ID: 23G2052-01
Sample Matrix: Ambient Air
Sampled: 7/13/2023 10:45

Sample Description/Location:
Sub Description/Location:
Canister ID: 1273
Canister Size: 6 liter
Flow Controller ID: 4412
Sample Type: 2 hr

Work Order: 23G2052
Initial Vacuum(in Hg): -29.5
Final Vacuum(in Hg): -11
Receipt Vacuum(in Hg): -11.8
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	11	1.4	0.33		25	3.3	0.78	0.696	7/25/23 14:53	CMR
Benzene	0.21	0.035	0.011		0.66	0.11	0.034	0.696	7/25/23 14:53	CMR
Benzyl chloride	ND	0.14	0.019		ND	0.72	0.097	0.696	7/25/23 14:53	CMR
Bromodichloromethane	ND	0.035	0.0095		ND	0.23	0.063	0.696	7/25/23 14:53	CMR
Bromoform	ND	0.035	0.012		ND	0.36	0.13	0.696	7/25/23 14:53	CMR
Bromomethane	ND	0.035	0.019		ND	0.14	0.072	0.696	7/25/23 14:53	CMR
1,3-Butadiene	0.13	0.035	0.029		0.29	0.077	0.064	0.696	7/25/23 14:53	CMR
2-Butanone (MEK)	1.9	1.4	0.39		5.6	4.1	1.2	0.696	7/25/23 14:53	CMR
Carbon Disulfide	0.39	0.35	0.067		1.2	1.1	0.21	0.696	7/25/23 14:53	CMR
Carbon Tetrachloride	0.082	0.035	0.010		0.52	0.22	0.063	0.696	7/25/23 14:53	CMR
Chlorobenzene	ND	0.035	0.0087		ND	0.16	0.040	0.696	7/25/23 14:53	CMR
Chloroethane	0.062	0.035	0.022		0.16	0.092	0.058	0.696	7/25/23 14:53	CMR
Chloroform	0.051	0.035	0.0091		0.25	0.17	0.044	0.696	7/25/23 14:53	CMR
Chloromethane	0.66	0.070	0.014		1.4	0.14	0.029	0.696	7/25/23 14:53	CMR
Cyclohexane	0.051	0.035	0.015		0.17	0.12	0.053	0.696	7/25/23 14:53	CMR
Dibromochloromethane	ND	0.035	0.0094		ND	0.30	0.080	0.696	7/25/23 14:53	CMR
1,2-Dibromoethane (EDB)	0.013	0.035	0.012	J	0.10	0.27	0.089	0.696	7/25/23 14:53	CMR
1,2-Dichlorobenzene	ND	0.035	0.012		ND	0.21	0.073	0.696	7/25/23 14:53	CMR
1,3-Dichlorobenzene	ND	0.035	0.013		ND	0.21	0.078	0.696	7/25/23 14:53	CMR
1,4-Dichlorobenzene	0.016	0.035	0.013	J	0.096	0.21	0.077	0.696	7/25/23 14:53	CMR
Dichlorodifluoromethane (Freon 12)	0.71	0.035	0.015	L-05, V-06	3.5	0.17	0.072	0.696	7/25/23 14:53	CMR
1,1-Dichloroethane	ND	0.035	0.011		ND	0.14	0.045	0.696	7/25/23 14:53	CMR
1,2-Dichloroethane	0.015	0.035	0.013	J	0.062	0.14	0.053	0.696	7/25/23 14:53	CMR
1,1-Dichloroethylene	ND	0.035	0.0099		ND	0.14	0.039	0.696	7/25/23 14:53	CMR
cis-1,2-Dichloroethylene	ND	0.035	0.011		ND	0.14	0.043	0.696	7/25/23 14:53	CMR
trans-1,2-Dichloroethylene	0.022	0.035	0.011	J	0.088	0.14	0.045	0.696	7/25/23 14:53	CMR
1,2-Dichloropropane	0.0097	0.035	0.0096	J	0.045	0.16	0.044	0.696	7/25/23 14:53	CMR
cis-1,3-Dichloropropene	ND	0.035	0.016		ND	0.16	0.071	0.696	7/25/23 14:53	CMR
trans-1,3-Dichloropropene	ND	0.035	0.018		ND	0.16	0.082	0.696	7/25/23 14:53	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	0.021	0.035	0.014	J	0.15	0.24	0.097	0.696	7/25/23 14:53	CMR
1,4-Dioxane	ND	0.35	0.17		ND	1.3	0.62	0.696	7/25/23 14:53	CMR
Ethanol	15	1.4	0.92	L-05	29	2.6	1.7	0.696	7/25/23 14:53	CMR
Ethyl Acetate	0.32	0.35	0.10	J	1.2	1.3	0.36	0.696	7/25/23 14:53	CMR
Ethylbenzene	0.069	0.035	0.010		0.30	0.15	0.044	0.696	7/25/23 14:53	CMR
4-Ethyltoluene	0.017	0.035	0.015	J	0.086	0.17	0.074	0.696	7/25/23 14:53	CMR
Heptane	0.078	0.035	0.022		0.32	0.14	0.090	0.696	7/25/23 14:53	CMR
Hexachlorobutadiene	ND	0.035	0.020		ND	0.37	0.21	0.696	7/25/23 14:53	CMR
Hexane	ND	1.4	0.46		ND	4.9	1.6	0.696	7/25/23 14:53	CMR
2-Hexanone (MBK)	0.11	0.14	0.015	J	0.46	0.57	0.062	0.696	7/25/23 14:53	CMR
Isopropanol	1.4	1.4	0.44	J	3.4	3.4	1.1	0.696	7/25/23 14:53	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.035	0.017		ND	0.13	0.062	0.696	7/25/23 14:53	CMR
Methylene Chloride	0.14	0.35	0.094	J	0.50	1.2	0.32	0.696	7/25/23 14:53	CMR
4-Methyl-2-pentanone (MIBK)	0.074	0.035	0.018		0.31	0.14	0.076	0.696	7/25/23 14:53	CMR
Naphthalene	0.065	0.035	0.023	Z-01	0.34	0.18	0.12	0.696	7/25/23 14:53	CMR
Propene	1.6	1.4	0.38		2.7	2.4	0.65	0.696	7/25/23 14:53	CMR
Styrene	0.027	0.035	0.019	J	0.12	0.15	0.079	0.696	7/25/23 14:53	CMR
1,1,2,2-Tetrachloroethane	ND	0.035	0.0086		ND	0.24	0.059	0.696	7/25/23 14:53	CMR

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ANALYTICAL RESULTS

Project Location: Manhattan, NY
Date Received: 7/14/2023
Field Sample #: 250WATERST-AA1-AS
Sample ID: 23G2052-01
Sample Matrix: Ambient Air
Sampled: 7/13/2023 10:45

Sample Description/Location:
Sub Description/Location:
Canister ID: 1273
Canister Size: 6 liter
Flow Controller ID: 4412
Sample Type: 2 hr

Work Order: 23G2052
Initial Vacuum(in Hg): -29.5
Final Vacuum(in Hg): -11
Receipt Vacuum(in Hg): -11.8
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	0.035	0.035	0.013		0.24	0.24	0.088	0.696	7/25/23 14:53	CMR
Tetrahydrofuran	0.15	0.35	0.072	J	0.44	1.0	0.21	0.696	7/25/23 14:53	CMR
Toluene	0.50	0.035	0.013		1.9	0.13	0.048	0.696	7/25/23 14:53	CMR
1,2,4-Trichlorobenzene	ND	0.035	0.019		ND	0.26	0.14	0.696	7/25/23 14:53	CMR
1,1,1-Trichloroethane	ND	0.035	0.011		ND	0.19	0.059	0.696	7/25/23 14:53	CMR
1,1,2-Trichloroethane	ND	0.035	0.0089		ND	0.19	0.049	0.696	7/25/23 14:53	CMR
Trichloroethylene	ND	0.035	0.014		ND	0.19	0.076	0.696	7/25/23 14:53	CMR
Trichlorofluoromethane (Freon 11)	0.29	0.14	0.014		1.6	0.78	0.080	0.696	7/25/23 14:53	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.089	0.14	0.0077	J	0.68	1.1	0.059	0.696	7/25/23 14:53	CMR
1,2,4-Trimethylbenzene	0.087	0.035	0.016		0.43	0.17	0.079	0.696	7/25/23 14:53	CMR
1,3,5-Trimethylbenzene	0.024	0.035	0.018	J	0.12	0.17	0.088	0.696	7/25/23 14:53	CMR
Vinyl Acetate	2.3	0.70	0.12		8.1	2.5	0.44	0.696	7/25/23 14:53	CMR
Vinyl Chloride	ND	0.035	0.016		ND	0.089	0.041	0.696	7/25/23 14:53	CMR
m&p-Xylene	0.20	0.070	0.024		0.89	0.30	0.11	0.696	7/25/23 14:53	CMR
o-Xylene	0.11	0.035	0.013		0.49	0.15	0.055	0.696	7/25/23 14:53	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	93.4	70-130	7/25/23 14:53

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: Manhattan, NY
Date Received: 7/14/2023
Field Sample #: 250WATERST-AA2-AS
Sample ID: 23G2052-02
Sample Matrix: Ambient Air
Sampled: 7/13/2023 10:50

Sample Description/Location:
Sub Description/Location:
Canister ID: 1998
Canister Size: 6 liter
Flow Controller ID: 4409
Sample Type: 2 hr

Work Order: 23G2052
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -5.4
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	8.0	1.4	0.33		19	3.3	0.78	0.698	7/25/23 15:25	CMR
Benzene	0.15	0.035	0.011		0.48	0.11	0.034	0.698	7/25/23 15:25	CMR
Benzyl chloride	ND	0.14	0.019		ND	0.72	0.097	0.698	7/25/23 15:25	CMR
Bromodichloromethane	ND	0.035	0.0095		ND	0.23	0.063	0.698	7/25/23 15:25	CMR
Bromoform	ND	0.035	0.012		ND	0.36	0.13	0.698	7/25/23 15:25	CMR
Bromomethane	0.047	0.035	0.019		0.18	0.14	0.072	0.698	7/25/23 15:25	CMR
1,3-Butadiene	0.068	0.035	0.029		0.15	0.077	0.065	0.698	7/25/23 15:25	CMR
2-Butanone (MEK)	0.84	1.4	0.39	J	2.5	4.1	1.2	0.698	7/25/23 15:25	CMR
Carbon Disulfide	ND	0.35	0.067		ND	1.1	0.21	0.698	7/25/23 15:25	CMR
Carbon Tetrachloride	0.087	0.035	0.010		0.54	0.22	0.063	0.698	7/25/23 15:25	CMR
Chlorobenzene	ND	0.035	0.0088		ND	0.16	0.040	0.698	7/25/23 15:25	CMR
Chloroethane	0.031	0.035	0.022	J	0.083	0.092	0.058	0.698	7/25/23 15:25	CMR
Chloroform	0.050	0.035	0.0091		0.25	0.17	0.044	0.698	7/25/23 15:25	CMR
Chloromethane	0.59	0.070	0.014		1.2	0.14	0.029	0.698	7/25/23 15:25	CMR
Cyclohexane	0.040	0.035	0.015		0.14	0.12	0.053	0.698	7/25/23 15:25	CMR
Dibromochloromethane	ND	0.035	0.0094		ND	0.30	0.080	0.698	7/25/23 15:25	CMR
1,2-Dibromoethane (EDB)	0.015	0.035	0.012	J	0.11	0.27	0.089	0.698	7/25/23 15:25	CMR
1,2-Dichlorobenzene	ND	0.035	0.012		ND	0.21	0.073	0.698	7/25/23 15:25	CMR
1,3-Dichlorobenzene	ND	0.035	0.013		ND	0.21	0.078	0.698	7/25/23 15:25	CMR
1,4-Dichlorobenzene	ND	0.035	0.013		ND	0.21	0.077	0.698	7/25/23 15:25	CMR
Dichlorodifluoromethane (Freon 12)	0.68	0.035	0.015	L-05, V-06	3.3	0.17	0.072	0.698	7/25/23 15:25	CMR
1,1-Dichloroethane	ND	0.035	0.011		ND	0.14	0.045	0.698	7/25/23 15:25	CMR
1,2-Dichloroethane	0.015	0.035	0.013	J	0.059	0.14	0.053	0.698	7/25/23 15:25	CMR
1,1-Dichloroethylene	ND	0.035	0.010		ND	0.14	0.039	0.698	7/25/23 15:25	CMR
cis-1,2-Dichloroethylene	ND	0.035	0.011		ND	0.14	0.043	0.698	7/25/23 15:25	CMR
trans-1,2-Dichloroethylene	0.013	0.035	0.011	J	0.053	0.14	0.045	0.698	7/25/23 15:25	CMR
1,2-Dichloropropane	ND	0.035	0.0096		ND	0.16	0.044	0.698	7/25/23 15:25	CMR
cis-1,3-Dichloropropene	ND	0.035	0.016		ND	0.16	0.071	0.698	7/25/23 15:25	CMR
trans-1,3-Dichloropropene	ND	0.035	0.018		ND	0.16	0.082	0.698	7/25/23 15:25	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	0.020	0.035	0.014	J	0.14	0.24	0.098	0.698	7/25/23 15:25	CMR
1,4-Dioxane	ND	0.35	0.17		ND	1.3	0.62	0.698	7/25/23 15:25	CMR
Ethanol	12	1.4	0.93	L-05	22	2.6	1.7	0.698	7/25/23 15:25	CMR
Ethyl Acetate	0.15	0.35	0.10	J	0.54	1.3	0.36	0.698	7/25/23 15:25	CMR
Ethylbenzene	0.056	0.035	0.010		0.24	0.15	0.044	0.698	7/25/23 15:25	CMR
4-Ethyltoluene	0.015	0.035	0.015	J	0.075	0.17	0.075	0.698	7/25/23 15:25	CMR
Heptane	0.058	0.035	0.022		0.24	0.14	0.090	0.698	7/25/23 15:25	CMR
Hexachlorobutadiene	ND	0.035	0.020		ND	0.37	0.21	0.698	7/25/23 15:25	CMR
Hexane	ND	1.4	0.46		ND	4.9	1.6	0.698	7/25/23 15:25	CMR
2-Hexanone (MBK)	0.052	0.14	0.015	J	0.21	0.57	0.062	0.698	7/25/23 15:25	CMR
Isopropanol	0.99	1.4	0.44	J	2.4	3.4	1.1	0.698	7/25/23 15:25	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.035	0.017		ND	0.13	0.062	0.698	7/25/23 15:25	CMR
Methylene Chloride	0.15	0.35	0.094	J	0.51	1.2	0.33	0.698	7/25/23 15:25	CMR
4-Methyl-2-pentanone (MIBK)	ND	0.035	0.018		ND	0.14	0.076	0.698	7/25/23 15:25	CMR
Naphthalene	ND	0.035	0.023	Z-01	ND	0.18	0.12	0.698	7/25/23 15:25	CMR
Propene	1.1	1.4	0.38	J	1.8	2.4	0.65	0.698	7/25/23 15:25	CMR
Styrene	ND	0.035	0.019		ND	0.15	0.080	0.698	7/25/23 15:25	CMR
1,1,2,2-Tetrachloroethane	ND	0.035	0.0086		ND	0.24	0.059	0.698	7/25/23 15:25	CMR

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: Manhattan, NY
Date Received: 7/14/2023
Field Sample #: 250WATERST-AA2-AS
Sample ID: 23G2052-02
Sample Matrix: Ambient Air
Sampled: 7/13/2023 10:50

Sample Description/Location:
Sub Description/Location:
Canister ID: 1998
Canister Size: 6 liter
Flow Controller ID: 4409
Sample Type: 2 hr

Work Order: 23G2052
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -5.4
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	0.029	0.035	0.013	J	0.20	0.24	0.089	0.698	7/25/23 15:25	CMR
Tetrahydrofuran	ND	0.35	0.072		ND	1.0	0.21	0.698	7/25/23 15:25	CMR
Toluene	0.31	0.035	0.013		1.2	0.13	0.048	0.698	7/25/23 15:25	CMR
1,2,4-Trichlorobenzene	ND	0.035	0.019		ND	0.26	0.14	0.698	7/25/23 15:25	CMR
1,1,1-Trichloroethane	ND	0.035	0.011		ND	0.19	0.059	0.698	7/25/23 15:25	CMR
1,1,2-Trichloroethane	ND	0.035	0.0089		ND	0.19	0.049	0.698	7/25/23 15:25	CMR
Trichloroethylene	ND	0.035	0.014		ND	0.19	0.076	0.698	7/25/23 15:25	CMR
Trichlorofluoromethane (Freon 11)	0.29	0.14	0.014		1.6	0.78	0.080	0.698	7/25/23 15:25	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.082	0.14	0.0077	J	0.63	1.1	0.059	0.698	7/25/23 15:25	CMR
1,2,4-Trimethylbenzene	0.054	0.035	0.016		0.27	0.17	0.079	0.698	7/25/23 15:25	CMR
1,3,5-Trimethylbenzene	ND	0.035	0.018		ND	0.17	0.088	0.698	7/25/23 15:25	CMR
Vinyl Acetate	0.80	0.70	0.12		2.8	2.5	0.44	0.698	7/25/23 15:25	CMR
Vinyl Chloride	ND	0.035	0.016		ND	0.089	0.041	0.698	7/25/23 15:25	CMR
m&p-Xylene	0.16	0.070	0.024		0.70	0.30	0.11	0.698	7/25/23 15:25	CMR
o-Xylene	0.069	0.035	0.013		0.30	0.15	0.055	0.698	7/25/23 15:25	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	93.6	70-130	7/25/23 15:25

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: Manhattan, NY
Date Received: 7/14/2023
Field Sample #: 250WATERST-AA3-AS
Sample ID: 23G2052-03
Sample Matrix: Ambient Air
Sampled: 7/13/2023 10:55

Sample Description/Location:
Sub Description/Location:
Canister ID: 2039
Canister Size: 6 liter
Flow Controller ID: 4414
Sample Type: 2 hr

Work Order: 23G2052
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -6.1
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	7.5	1.4	0.33		18	3.3	0.78	0.698	7/25/23 15:57	CMR
Benzene	0.16	0.035	0.011		0.50	0.11	0.034	0.698	7/25/23 15:57	CMR
Benzyl chloride	ND	0.14	0.019		ND	0.72	0.097	0.698	7/25/23 15:57	CMR
Bromodichloromethane	ND	0.035	0.0095		ND	0.23	0.063	0.698	7/25/23 15:57	CMR
Bromoform	ND	0.035	0.012		ND	0.36	0.13	0.698	7/25/23 15:57	CMR
Bromomethane	ND	0.035	0.019		ND	0.14	0.072	0.698	7/25/23 15:57	CMR
1,3-Butadiene	0.067	0.035	0.029		0.15	0.077	0.065	0.698	7/25/23 15:57	CMR
2-Butanone (MEK)	0.78	1.4	0.39	J	2.3	4.1	1.2	0.698	7/25/23 15:57	CMR
Carbon Disulfide	ND	0.35	0.067		ND	1.1	0.21	0.698	7/25/23 15:57	CMR
Carbon Tetrachloride	0.089	0.035	0.010		0.56	0.22	0.063	0.698	7/25/23 15:57	CMR
Chlorobenzene	ND	0.035	0.0088		ND	0.16	0.040	0.698	7/25/23 15:57	CMR
Chloroethane	0.038	0.035	0.022		0.10	0.092	0.058	0.698	7/25/23 15:57	CMR
Chloroform	0.047	0.035	0.0091		0.23	0.17	0.044	0.698	7/25/23 15:57	CMR
Chloromethane	0.60	0.070	0.014		1.2	0.14	0.029	0.698	7/25/23 15:57	CMR
Cyclohexane	0.040	0.035	0.015		0.14	0.12	0.053	0.698	7/25/23 15:57	CMR
Dibromochloromethane	ND	0.035	0.0094		ND	0.30	0.080	0.698	7/25/23 15:57	CMR
1,2-Dibromoethane (EDB)	0.015	0.035	0.012	J	0.12	0.27	0.089	0.698	7/25/23 15:57	CMR
1,2-Dichlorobenzene	ND	0.035	0.012		ND	0.21	0.073	0.698	7/25/23 15:57	CMR
1,3-Dichlorobenzene	ND	0.035	0.013		ND	0.21	0.078	0.698	7/25/23 15:57	CMR
1,4-Dichlorobenzene	0.016	0.035	0.013	J	0.096	0.21	0.077	0.698	7/25/23 15:57	CMR
Dichlorodifluoromethane (Freon 12)	0.76	0.035	0.015	L-05, V-06	3.8	0.17	0.072	0.698	7/25/23 15:57	CMR
1,1-Dichloroethane	ND	0.035	0.011		ND	0.14	0.045	0.698	7/25/23 15:57	CMR
1,2-Dichloroethane	ND	0.035	0.013		ND	0.14	0.053	0.698	7/25/23 15:57	CMR
1,1-Dichloroethylene	ND	0.035	0.010		ND	0.14	0.039	0.698	7/25/23 15:57	CMR
cis-1,2-Dichloroethylene	ND	0.035	0.011		ND	0.14	0.043	0.698	7/25/23 15:57	CMR
trans-1,2-Dichloroethylene	ND	0.035	0.011		ND	0.14	0.045	0.698	7/25/23 15:57	CMR
1,2-Dichloropropane	ND	0.035	0.0096		ND	0.16	0.044	0.698	7/25/23 15:57	CMR
cis-1,3-Dichloropropene	ND	0.035	0.016		ND	0.16	0.071	0.698	7/25/23 15:57	CMR
trans-1,3-Dichloropropene	ND	0.035	0.018		ND	0.16	0.082	0.698	7/25/23 15:57	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	0.018	0.035	0.014	J	0.13	0.24	0.098	0.698	7/25/23 15:57	CMR
1,4-Dioxane	ND	0.35	0.17		ND	1.3	0.62	0.698	7/25/23 15:57	CMR
Ethanol	15	1.4	0.93	L-05	28	2.6	1.7	0.698	7/25/23 15:57	CMR
Ethyl Acetate	0.20	0.35	0.10	J	0.74	1.3	0.36	0.698	7/25/23 15:57	CMR
Ethylbenzene	0.063	0.035	0.010		0.27	0.15	0.044	0.698	7/25/23 15:57	CMR
4-Ethyltoluene	ND	0.035	0.015		ND	0.17	0.075	0.698	7/25/23 15:57	CMR
Heptane	0.059	0.035	0.022		0.24	0.14	0.090	0.698	7/25/23 15:57	CMR
Hexachlorobutadiene	ND	0.035	0.020		ND	0.37	0.21	0.698	7/25/23 15:57	CMR
Hexane	ND	1.4	0.46		ND	4.9	1.6	0.698	7/25/23 15:57	CMR
2-Hexanone (MBK)	0.066	0.14	0.015	J	0.27	0.57	0.062	0.698	7/25/23 15:57	CMR
Isopropanol	1.0	1.4	0.44	J	2.5	3.4	1.1	0.698	7/25/23 15:57	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.035	0.017		ND	0.13	0.062	0.698	7/25/23 15:57	CMR
Methylene Chloride	0.14	0.35	0.094	J	0.50	1.2	0.33	0.698	7/25/23 15:57	CMR
4-Methyl-2-pentanone (MIBK)	0.047	0.035	0.018		0.19	0.14	0.076	0.698	7/25/23 15:57	CMR
Naphthalene	0.025	0.035	0.023	Z-01, J	0.13	0.18	0.12	0.698	7/25/23 15:57	CMR
Propene	ND	1.4	0.38		ND	2.4	0.65	0.698	7/25/23 15:57	CMR
Styrene	ND	0.035	0.019		ND	0.15	0.080	0.698	7/25/23 15:57	CMR
1,1,2,2-Tetrachloroethane	ND	0.035	0.0086		ND	0.24	0.059	0.698	7/25/23 15:57	CMR

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ANALYTICAL RESULTS

Project Location: Manhattan, NY
Date Received: 7/14/2023
Field Sample #: 250WATERST-AA3-AS
Sample ID: 23G2052-03
Sample Matrix: Ambient Air
Sampled: 7/13/2023 10:55

Sample Description/Location:
Sub Description/Location:
Canister ID: 2039
Canister Size: 6 liter
Flow Controller ID: 4414
Sample Type: 2 hr

Work Order: 23G2052
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -6.1
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	0.037	0.035	0.013		0.25	0.24	0.089	0.698	7/25/23 15:57	CMR
Tetrahydrofuran	ND	0.35	0.072		ND	1.0	0.21	0.698	7/25/23 15:57	CMR
Toluene	0.33	0.035	0.013		1.2	0.13	0.048	0.698	7/25/23 15:57	CMR
1,2,4-Trichlorobenzene	ND	0.035	0.019		ND	0.26	0.14	0.698	7/25/23 15:57	CMR
1,1,1-Trichloroethane	ND	0.035	0.011		ND	0.19	0.059	0.698	7/25/23 15:57	CMR
1,1,2-Trichloroethane	ND	0.035	0.0089		ND	0.19	0.049	0.698	7/25/23 15:57	CMR
Trichloroethylene	ND	0.035	0.014		ND	0.19	0.076	0.698	7/25/23 15:57	CMR
Trichlorofluoromethane (Freon 11)	0.30	0.14	0.014		1.7	0.78	0.080	0.698	7/25/23 15:57	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.084	0.14	0.0077	J	0.64	1.1	0.059	0.698	7/25/23 15:57	CMR
1,2,4-Trimethylbenzene	0.061	0.035	0.016		0.30	0.17	0.079	0.698	7/25/23 15:57	CMR
1,3,5-Trimethylbenzene	ND	0.035	0.018		ND	0.17	0.088	0.698	7/25/23 15:57	CMR
Vinyl Acetate	0.82	0.70	0.12		2.9	2.5	0.44	0.698	7/25/23 15:57	CMR
Vinyl Chloride	ND	0.035	0.016		ND	0.089	0.041	0.698	7/25/23 15:57	CMR
m&p-Xylene	0.17	0.070	0.024		0.74	0.30	0.11	0.698	7/25/23 15:57	CMR
o-Xylene	0.075	0.035	0.013		0.32	0.15	0.055	0.698	7/25/23 15:57	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	93.4	70-130	7/25/23 15:57

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: Manhattan, NY
Date Received: 7/14/2023
Field Sample #: 250WATERST-AA4-AS
Sample ID: 23G2052-04
Sample Matrix: Ambient Air
Sampled: 7/13/2023 11:00

Sample Description/Location:
Sub Description/Location:
Canister ID: 1745
Canister Size: 6 liter
Flow Controller ID: 4400
Sample Type: 2 hr

Work Order: 23G2052
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -4.8
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	8.2	1.4	0.33		20	3.3	0.78	0.698	7/25/23 16:28	CMR
Benzene	0.17	0.035	0.011		0.55	0.11	0.034	0.698	7/25/23 16:28	CMR
Benzyl chloride	ND	0.14	0.019		ND	0.72	0.097	0.698	7/25/23 16:28	CMR
Bromodichloromethane	ND	0.035	0.0095		ND	0.23	0.063	0.698	7/25/23 16:28	CMR
Bromoform	ND	0.035	0.012		ND	0.36	0.13	0.698	7/25/23 16:28	CMR
Bromomethane	ND	0.035	0.019		ND	0.14	0.072	0.698	7/25/23 16:28	CMR
1,3-Butadiene	0.087	0.035	0.029		0.19	0.077	0.065	0.698	7/25/23 16:28	CMR
2-Butanone (MEK)	0.91	1.4	0.39	J	2.7	4.1	1.2	0.698	7/25/23 16:28	CMR
Carbon Disulfide	ND	0.35	0.067		ND	1.1	0.21	0.698	7/25/23 16:28	CMR
Carbon Tetrachloride	0.082	0.035	0.010		0.51	0.22	0.063	0.698	7/25/23 16:28	CMR
Chlorobenzene	ND	0.035	0.0088		ND	0.16	0.040	0.698	7/25/23 16:28	CMR
Chloroethane	0.038	0.035	0.022		0.10	0.092	0.058	0.698	7/25/23 16:28	CMR
Chloroform	0.066	0.035	0.0091		0.32	0.17	0.044	0.698	7/25/23 16:28	CMR
Chloromethane	0.72	0.070	0.014		1.5	0.14	0.029	0.698	7/25/23 16:28	CMR
Cyclohexane	0.061	0.035	0.015		0.21	0.12	0.053	0.698	7/25/23 16:28	CMR
Dibromochloromethane	ND	0.035	0.0094		ND	0.30	0.080	0.698	7/25/23 16:28	CMR
1,2-Dibromoethane (EDB)	0.015	0.035	0.012	J	0.12	0.27	0.089	0.698	7/25/23 16:28	CMR
1,2-Dichlorobenzene	ND	0.035	0.012		ND	0.21	0.073	0.698	7/25/23 16:28	CMR
1,3-Dichlorobenzene	ND	0.035	0.013		ND	0.21	0.078	0.698	7/25/23 16:28	CMR
1,4-Dichlorobenzene	ND	0.035	0.013		ND	0.21	0.077	0.698	7/25/23 16:28	CMR
Dichlorodifluoromethane (Freon 12)	0.68	0.035	0.015	L-05, V-06	3.3	0.17	0.072	0.698	7/25/23 16:28	CMR
1,1-Dichloroethane	ND	0.035	0.011		ND	0.14	0.045	0.698	7/25/23 16:28	CMR
1,2-Dichloroethane	ND	0.035	0.013		ND	0.14	0.053	0.698	7/25/23 16:28	CMR
1,1-Dichloroethylene	ND	0.035	0.010		ND	0.14	0.039	0.698	7/25/23 16:28	CMR
cis-1,2-Dichloroethylene	ND	0.035	0.011		ND	0.14	0.043	0.698	7/25/23 16:28	CMR
trans-1,2-Dichloroethylene	0.014	0.035	0.011	J	0.055	0.14	0.045	0.698	7/25/23 16:28	CMR
1,2-Dichloropropane	ND	0.035	0.0096		ND	0.16	0.044	0.698	7/25/23 16:28	CMR
cis-1,3-Dichloropropene	ND	0.035	0.016		ND	0.16	0.071	0.698	7/25/23 16:28	CMR
trans-1,3-Dichloropropene	ND	0.035	0.018		ND	0.16	0.082	0.698	7/25/23 16:28	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	0.022	0.035	0.014	J	0.16	0.24	0.098	0.698	7/25/23 16:28	CMR
1,4-Dioxane	ND	0.35	0.17		ND	1.3	0.62	0.698	7/25/23 16:28	CMR
Ethanol	12	1.4	0.93	L-05	23	2.6	1.7	0.698	7/25/23 16:28	CMR
Ethyl Acetate	0.72	0.35	0.10		2.6	1.3	0.36	0.698	7/25/23 16:28	CMR
Ethylbenzene	0.069	0.035	0.010		0.30	0.15	0.044	0.698	7/25/23 16:28	CMR
4-Ethyltoluene	ND	0.035	0.015		ND	0.17	0.075	0.698	7/25/23 16:28	CMR
Heptane	0.084	0.035	0.022		0.34	0.14	0.090	0.698	7/25/23 16:28	CMR
Hexachlorobutadiene	ND	0.035	0.020		ND	0.37	0.21	0.698	7/25/23 16:28	CMR
Hexane	ND	1.4	0.46		ND	4.9	1.6	0.698	7/25/23 16:28	CMR
2-Hexanone (MBK)	0.044	0.14	0.015	J	0.18	0.57	0.062	0.698	7/25/23 16:28	CMR
Isopropanol	1.7	1.4	0.44		4.2	3.4	1.1	0.698	7/25/23 16:28	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.035	0.017		ND	0.13	0.062	0.698	7/25/23 16:28	CMR
Methylene Chloride	0.15	0.35	0.094	J	0.51	1.2	0.33	0.698	7/25/23 16:28	CMR
4-Methyl-2-pentanone (MIBK)	ND	0.035	0.018		ND	0.14	0.076	0.698	7/25/23 16:28	CMR
Naphthalene	0.029	0.035	0.023	Z-01, J	0.15	0.18	0.12	0.698	7/25/23 16:28	CMR
Propene	1.3	1.4	0.38	J	2.2	2.4	0.65	0.698	7/25/23 16:28	CMR
Styrene	0.019	0.035	0.019	J	0.080	0.15	0.080	0.698	7/25/23 16:28	CMR
1,1,2,2-Tetrachloroethane	ND	0.035	0.0086		ND	0.24	0.059	0.698	7/25/23 16:28	CMR

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: Manhattan, NY
Date Received: 7/14/2023
Field Sample #: 250WATERST-AA4-AS
Sample ID: 23G2052-04
Sample Matrix: Ambient Air
Sampled: 7/13/2023 11:00

Sample Description/Location:
Sub Description/Location:
Canister ID: 1745
Canister Size: 6 liter
Flow Controller ID: 4400
Sample Type: 2 hr

Work Order: 23G2052
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -4.8
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	0.062	0.035	0.013		0.42	0.24	0.089	0.698	7/25/23 16:28	CMR
Tetrahydrofuran	ND	0.35	0.072		ND	1.0	0.21	0.698	7/25/23 16:28	CMR
Toluene	0.43	0.035	0.013		1.6	0.13	0.048	0.698	7/25/23 16:28	CMR
1,2,4-Trichlorobenzene	ND	0.035	0.019		ND	0.26	0.14	0.698	7/25/23 16:28	CMR
1,1,1-Trichloroethane	ND	0.035	0.011		ND	0.19	0.059	0.698	7/25/23 16:28	CMR
1,1,2-Trichloroethane	ND	0.035	0.0089		ND	0.19	0.049	0.698	7/25/23 16:28	CMR
Trichloroethylene	ND	0.035	0.014		ND	0.19	0.076	0.698	7/25/23 16:28	CMR
Trichlorofluoromethane (Freon 11)	0.28	0.14	0.014		1.5	0.78	0.080	0.698	7/25/23 16:28	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.076	0.14	0.0077	J	0.58	1.1	0.059	0.698	7/25/23 16:28	CMR
1,2,4-Trimethylbenzene	0.068	0.035	0.016		0.34	0.17	0.079	0.698	7/25/23 16:28	CMR
1,3,5-Trimethylbenzene	0.019	0.035	0.018	J	0.093	0.17	0.088	0.698	7/25/23 16:28	CMR
Vinyl Acetate	0.90	0.70	0.12		3.2	2.5	0.44	0.698	7/25/23 16:28	CMR
Vinyl Chloride	ND	0.035	0.016		ND	0.089	0.041	0.698	7/25/23 16:28	CMR
m&p-Xylene	0.20	0.070	0.024		0.88	0.30	0.11	0.698	7/25/23 16:28	CMR
o-Xylene	0.096	0.035	0.013		0.42	0.15	0.055	0.698	7/25/23 16:28	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	97.6	70-130	7/25/23 16:28

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

EPA TO-15

Laboratory:	Pace New England	Work Order:	23G2052
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B AIR - CO 147098
Matrix:	Air	Preparation:	TO-15 Prep
Batch:	B347253	Laboratory ID:	B347253-BS1
Column:		Initial/Final:	400 mL / 400 mL

ANALYTE	SPIKE ADDED (ppbv)	LCS CONCENTRATION (ppbv)	LCS % REC.		QC LIMITS REC.
Acetone	5.00	4.44	88.7		70 - 130
Benzene	5.00	4.25	85.0		70 - 130
Benzyl chloride	5.00	3.61	72.2		70 - 130
Bromodichloromethane	5.00	4.29	85.9		70 - 130
Bromoform	5.00	4.91	98.1		70 - 130
Bromomethane	5.00	5.67	113		70 - 130
1,3-Butadiene	5.00	5.05	101		70 - 130
2-Butanone (MEK)	5.00	4.70	93.9		70 - 130
Carbon Disulfide	5.00	5.06	101		70 - 130
Carbon Tetrachloride	5.00	5.11	102		70 - 130
Chlorobenzene	5.00	4.46	89.1		70 - 130
Chloroethane	5.00	4.99	99.8		70 - 130
Chloroform	5.00	5.91	118		70 - 130
Chloromethane	5.00	4.20	84.0		70 - 130
Cyclohexane	5.00	4.50	89.9		70 - 130
Dibromochloromethane	5.00	5.21	104		70 - 130
1,2-Dibromoethane (EDB)	5.00	4.78	95.7		70 - 130
1,2-Dichlorobenzene	5.00	4.62	92.5		70 - 130
1,3-Dichlorobenzene	5.00	4.76	95.2		70 - 130
1,4-Dichlorobenzene	5.00	4.71	94.1		70 - 130
Dichlorodifluoromethane (Freon 12)	5.00	6.74	135	*	70 - 130
1,1-Dichloroethane	5.00	5.46	109		70 - 130
1,2-Dichloroethane	5.00	5.29	106		70 - 130
1,1-Dichloroethylene	5.00	5.01	100		70 - 130
cis-1,2-Dichloroethylene	5.00	5.36	107		70 - 130
trans-1,2-Dichloroethylene	5.00	5.36	107		70 - 130
1,2-Dichloropropane	5.00	3.93	78.6		70 - 130
cis-1,3-Dichloropropene	5.00	4.36	87.1		70 - 130
trans-1,3-Dichloropropene	5.00	4.69	93.9		70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	5.00	5.53	111		70 - 130
1,4-Dioxane	5.00	4.46	89.1		70 - 130
Ethanol	5.00	6.78	136	*	70 - 130
Ethyl Acetate	5.00	5.12	102		70 - 130
Ethylbenzene	5.00	4.24	84.9		70 - 130
4-Ethyltoluene	5.00	4.38	87.6		70 - 130
Heptane	5.00	3.99	79.8		70 - 130

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

EPA TO-15

Laboratory:	Pace New England	Work Order:	23G2052
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B AIR - CO 14709
Calibration:	2300406	Instrument:	SYSJ
		Calibration Date:	3/31/2023 12:00:47AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
1,4-Dioxane	0.1624784	7.9			30	
Ethanol	0.1724202	16.0			30	
Ethyl Acetate	0.2040016	7.6			30	
Ethylbenzene	1.293794	5.4			30	
4-Ethyltoluene	1.173601	14.1			30	
Heptane	0.2390228	4.6			30	
Hexachlorobutadiene	0.2261563	13.3			30	
Hexane	0.6738496	3.8	1.000		0.99	
2-Hexanone (MBK)	0.4320676	25.1			30	
Isopropanol	1.163166	11.1			30	
Methyl tert-Butyl Ether (MTBE)	1.752887	6.8			30	
Methylene Chloride	0.8161184	14.8			30	
Methyl methacrylate	0.2474452	19.8			30	
4-Methyl-2-pentanone (MIBK)	0.1991676	21.4			30	
Naphthalene	0.4140914	30.7			40	
Propene	0.3783566	5.0			30	
Styrene	0.6193387	20.3			30	
1,1,2,2-Tetrachloroethane	0.7875453	7.5			30	
Tetrachloroethylene	0.4061033	4.6			30	
Tetrahydrofuran	0.5602263	9.1			30	
Toluene	0.9952737	5.3			30	
1,2,4-Trichlorobenzene	0.1951236	27.1			30	
1,1,1-Trichloroethane	0.5148362	3.6			30	
1,1,2-Trichloroethane	0.3494055	5.4			30	
Trichloroethylene	0.3469588	6.3			30	
Trichlorofluoromethane (Freon 11)	1.832227	3.7			30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	1.363757	5.6			30	
1,2,4-Trimethylbenzene	0.9035781	21.8			30	
1,3,5-Trimethylbenzene	0.9651619	17.6			30	
Vinyl Acetate	1.160867	9.5			30	
Vinyl Chloride	0.7330867	4.4			30	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

EPA TO-15

Laboratory:	Pace New England	Work Order:	23G2052
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B AIR - CO 147098
Instrument ID:	SYSJ	Calibration:	2300406
Lab File ID:	J23A206006.D	Calibration Date:	03/31/23 00:00
Sequence:	S091088	Injection Date:	07/25/23
Lab Sample ID:	S091088-CCV1	Injection Time:	10:56

		CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetone	A	5.00	4.53	1.034114	0.9362815		-9.5	30	
Benzene	A	5.00	4.49	0.8123645	0.7298292		-10.2	30	
Benzyl chloride	L	5.00	4.63	0.5056852	0.7031058		-7.5	30	
Bromodichloromethane	A	5.00	4.62	0.6094342	0.5633307		-7.6	30	
Bromoform	A	5.00	5.45	0.4573839	0.4983741		9.0	30	
Bromomethane	A	5.00	5.95	0.6761959	0.8047295		19.0	30	
1,3-Butadiene	A	5.00	5.19	0.5092257	0.528488		3.8	30	
2-Butanone (MEK)	A	5.00	4.87	1.148647	1.119583		-2.5	30	
Carbon Disulfide	A	5.00	5.33	2.001154	2.134083		6.6	30	
Carbon Tetrachloride	A	5.00	5.43	0.5037067	0.5472657		8.6	30	
Chlorobenzene	A	5.00	4.91	0.7622773	0.7480899		-1.9	30	
Chloroethane	A	5.00	5.26	0.4202137	0.441684		5.1	30	
Chloroform	A	5.00	6.24	1.577837	1.968106		24.7	30	
Chloromethane	A	5.00	4.05	0.5966374	0.483457		-19.0	30	
Cyclohexane	A	5.00	4.70	0.3246406	0.3052023		-6.0	30	
Dibromochloromethane	A	5.00	5.63	0.5189836	0.5846813		12.7	30	
1,2-Dibromoethane (EDB)	A	5.00	5.25	0.4960864	0.5206825		5.0	30	
1,2-Dichlorobenzene	A	5.00	5.41	0.4911951	0.5311094		8.1	30	
1,3-Dichlorobenzene	A	5.00	5.67	0.5456808	0.6184392		13.3	30	
1,4-Dichlorobenzene	A	5.00	5.67	0.5309926	0.6017625		13.3	30	
Dichlorodifluoromethane (Freon 12)	A	5.00	6.98	1.809285	2.525642		39.6	30	*
1,1-Dichloroethane	A	5.00	5.71	1.317427	1.504376		14.2	30	
1,2-Dichloroethane	A	5.00	5.64	0.9730911	1.097261		12.8	30	
1,1-Dichloroethylene	A	5.00	5.29	1.146845	1.213081		5.8	30	
cis-1,2-Dichloroethylene	A	5.00	5.70	0.9524103	1.084908		13.9	30	
trans-1,2-Dichloroethylene	A	5.00	5.75	1.02979	1.183467		14.9	30	
1,2-Dichloropropane	A	5.00	4.16	0.3033695	0.2522406		-16.9	30	
cis-1,3-Dichloropropene	A	5.00	4.84	0.4042769	0.3910342		-3.3	30	
trans-1,3-Dichloropropene	A	5.00	5.23	0.3279415	0.343172		4.6	30	

1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Pace New England			Work Order:	23G2052
Client:	NYDEC_TRC Engineers, Inc. - New York, NY		Project:	250 Water Street P-site CAT B AIR - CO 147098	
Matrix:	Air	Laboratory ID:	B347253-BLK1	File ID:	J23A206010.D
Sampled:		Prepared:	07/25/23 00:00	Analyzed:	07/25/23 13:15
Solids:		Preparation:	TO-15 Prep	Dilution:	
Initial/Final:	400 mL / 400 mL				
Batch:	B347253	Sequence:	S091088	Calibration:	2300406
Instrument:	SYSJ				
Column:	1				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
67-64-1	Acetone		0.19	0.80	
71-43-2	Benzene		0.0062	0.020	
100-44-7	Benzyl chloride		0.011	0.080	
75-27-4	Bromodichloromethane		0.0054	0.020	
75-25-2	Bromoform		0.0071	0.020	
74-83-9	Bromomethane		0.011	0.020	
106-99-0	1,3-Butadiene		0.017	0.020	
78-93-3	2-Butanone (MEK)		0.22	0.80	
75-15-0	Carbon Disulfide		0.038	0.20	
56-23-5	Carbon Tetrachloride		0.0058	0.020	
108-90-7	Chlorobenzene		0.0050	0.020	
75-00-3	Chloroethane		0.013	0.020	
67-66-3	Chloroform		0.0052	0.020	
74-87-3	Chloromethane		0.0082	0.040	
110-82-7	Cyclohexane		0.0088	0.020	
124-48-1	Dibromochloromethane		0.0054	0.020	
106-93-4	1,2-Dibromoethane (EDB)	0.0080	0.0067	0.020	J
95-50-1	1,2-Dichlorobenzene		0.0070	0.020	
541-73-1	1,3-Dichlorobenzene		0.0074	0.020	
106-46-7	1,4-Dichlorobenzene		0.0074	0.020	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.0084	0.020	
75-34-3	1,1-Dichloroethane		0.0064	0.020	
107-06-2	1,2-Dichloroethane		0.0075	0.020	
75-35-4	1,1-Dichloroethylene		0.0057	0.020	
156-59-2	cis-1,2-Dichloroethylene		0.0062	0.020	
156-60-5	trans-1,2-Dichloroethylene		0.0065	0.020	
78-87-5	1,2-Dichloropropane		0.0055	0.020	
10061-01-5	cis-1,3-Dichloropropene		0.0090	0.020	
10061-02-6	trans-1,3-Dichloropropene		0.010	0.020	

Data Usability Summary Report

Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

250 Water St., Manhattan, NY
SDG#23G2604
December 14, 2023
Sampling date: 7/13, 14, 17/2023

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for TRC Engineers, Inc., project located at 250 Water St., Manhattan, NY, Pace/Con-Test, SDG#23G2604 submitted to Vali-Data of WNY, LLC on October 10, 2023. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines (SOP NO. HW-31, revision 6). The laboratory performed the analysis using Compendium of Methods for the Determination of Toxic Organic Compounds, Compendium Method TO-15, January 1999.

DUSR ID	Sample ID	Laboratory ID
1	250WATERST-SV4-AS	23G2604-01
2	250WATERST-SV6-AS	23G2604-02
3	250WATERST-SV5-AS	23G2604-03
4	250WATERST-SV2-AS	23G2604-04

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Internal Standard (IS) Area Performance
-Method Blank
-Field Duplicate Sample Precision
-Laboratory Control Samples
-MS/MSD/Duplicate
-Compound Quantitation
-Initial Calibration
-Continuing Calibration
-GC/MS Performance Check
-Canister Certification Blanks

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Compound Quantitation, Laboratory Control Samples, Initial Calibration and Continuing Calibration.

The concentration of all target analytes was recorded to the reporting limits.
Sample: DUSR ID#2 was diluted due to high target analyte concentrations.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

METHOD BLANK
All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met except a couple of target analytes were outside QC limits in a laboratory control sample and should be qualified as estimated.

LCS ID	Target Analyte	%Rec	Qualifier	Associated Sample
B347528	Acetone	62.8	J	1-4, 3DUP
B347528	Ethanol	59.6	J	1-4, 3DUP
B347528	1,3-Butadiene	69.7	UJ	1-4, 3DUP
B347528	Chloroethane	66.3	UJ/J	1-4, 3DUP
B347528	Isopropanol	48.8	UJ/J	1-4, 3DUP

MS/MSD/DUPLICATE
No MS/MSD/Duplicate was acquired.

COMPOUND QUANTITATION
All criteria were met except the concentrations of Acetone and Ethanol exceeded calibration range in DUSR ID#4 and should be qualified as estimated. The concentration of Ethanol exceeded calibration range in DUSR ID#1 and should be qualified as estimated.

INITIAL CALIBRATION

All criteria were met except a target analyte was outside QC limits in the initial calibration verification and should be qualified as estimated in the associated blanks, spikes and samples.

ICal instrument	Target Analyte	%RSD	Qualifier	Associated Sample
SSYG	Naphthalene	-34.1	UJ/J	B347528, 1-4, 3DUP

CONTINUING CALIBRATION

All criteria were met except a couple of target analytes were outside QC limits in a continuing calibration and should be qualified as estimated in the associated samples, blanks and spikes.

CCal ID	Target Analyte	%D	Qualifier	Associated Sample
S091254-CCV1	Acetone	-32.1	UJ/J	B347528, 1-4, 3DUP
S091254-CCV1	Isopropanol	-40.0	UJ/J	B347528, 1-4, 3DUP

GC/MS PERFORMANCE CHECK

All criteria were met.

CANISTER CERTIFICATION BLANKS

All criteria were met.

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

EPA TO-15

Qualifications:

E Reported result is estimated. Value reported over verified calibration range.

Analyte & Samples(s) Qualified:

Acetone, Ethanol

23G2604-04[250WATERST-SV2-AS], 23G2604-01[250WATERST-SV4-AS]

L-03 Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

1,3-Butadiene, Acetone, Chloroethane, Ethanol, Isopropanol

23G2604-01[250WATERST-SV4-AS], 23G2604-02[250WATERST-SV6-AS], 23G2604-03[250WATERST-SV5-AS], 23G2604-04[250WATERST-SV2-AS], B347528-BLK1, B347528-BS1, B347528-DUP1, 23G2604-02RE1[250WATERST-SV6-AS]

V-05 Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

Acetone, Chloroethane, Isopropanol

23G2604-01[250WATERST-SV4-AS], 23G2604-02RE1[250WATERST-SV6-AS], 23G2604-03[250WATERST-SV5-AS], 23G2604-04[250WATERST-SV2-AS], B347528-BLK1, B347528-BS1, B347528-DUP1, S091254-CCV1, 23G2604-02[250WATERST-SV6-AS]

V-35 Initial calibration verification (ICV) did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

Naphthalene

23G2604-01[250WATERST-SV4-AS], 23G2604-02[250WATERST-SV6-AS], 23G2604-03[250WATERST-SV5-AS], 23G2604-04[250WATERST-SV2-AS], B347528-BS1, B347528-DUP1, S091254-CCV1

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Tod E. Kopyscinski
Laboratory Director

con-test®
A Pace Analytical® Laboratory
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ANALYTICAL RESULTS

Project Location: 250 Water St, NY, NY
Date Received: 7/19/2023
Field Sample #: 250WATERST-SV4-AS
Sample ID: 23G2604-01
Sample Matrix: Soil Gas
Sampled: 7/13/2023 10:15

Sample Description/Location:
Sub Description/Location:
Canister ID: 1047
Canister Size: 6 liter
Flow Controller ID: 4409
Sample Type: 2 hr

Work Order: 23G2604
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -7
Receipt Vacuum(in Hg): -7.4
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	44	4.0	0.94	L-03, V-05	100	9.5	2.2	2	7/29/23 3:55	CMR
Benzene	2.2	0.10	0.031		7.2	0.32	0.099	2	7/29/23 3:55	CMR
Benzyl chloride	ND	0.10	0.054		ND	0.52	0.28	2	7/29/23 3:55	CMR
Bromodichloromethane	ND	0.10	0.027		ND	0.67	0.18	2	7/29/23 3:55	CMR
Bromoform	ND	0.10	0.036		ND	1.0	0.37	2	7/29/23 3:55	CMR
Bromomethane	ND	0.10	0.053		ND	0.39	0.21	2	7/29/23 3:55	CMR
1,3-Butadiene	ND	0.10	0.084	L-03	ND	0.22	0.19	2	7/29/23 3:55	CMR
2-Butanone (MEK)	7.0	4.0	1.1		21	12	3.3	2	7/29/23 3:55	CMR
Carbon Disulfide	1.4	1.0	0.19		4.2	3.1	0.60	2	7/29/23 3:55	CMR
Carbon Tetrachloride	0.066	0.10	0.029	J	0.42	0.63	0.18	2	7/29/23 3:55	CMR
Chlorobenzene	0.12	0.10	0.025		0.54	0.46	0.12	2	7/29/23 3:55	CMR
Chloroethane	ND	0.10	0.063	L-03, V-05	ND	0.26	0.17	2	7/29/23 3:55	CMR
Chloroform	0.19	0.10	0.026		0.95	0.49	0.13	2	7/29/23 3:55	CMR
Chloromethane	0.49	0.20	0.041		1.0	0.41	0.084	2	7/29/23 3:55	CMR
Cyclohexane	1.3	0.10	0.044		4.4	0.34	0.15	2	7/29/23 3:55	CMR
Dibromochloromethane	ND	0.10	0.027		ND	0.85	0.23	2	7/29/23 3:55	CMR
1,2-Dibromoethane (EDB)	0.036	0.10	0.033	J	0.28	0.77	0.26	2	7/29/23 3:55	CMR
1,2-Dichlorobenzene	ND	0.10	0.035		ND	0.60	0.21	2	7/29/23 3:55	CMR
1,3-Dichlorobenzene	1.5	0.10	0.037		9.3	0.60	0.22	2	7/29/23 3:55	CMR
1,4-Dichlorobenzene	0.040	0.10	0.037	J	0.24	0.60	0.22	2	7/29/23 3:55	CMR
Dichlorodifluoromethane (Freon 12)	0.27	0.10	0.042		1.3	0.49	0.21	2	7/29/23 3:55	CMR
1,1-Dichloroethane	0.076	0.10	0.032	J	0.31	0.40	0.13	2	7/29/23 3:55	CMR
1,2-Dichloroethane	ND	0.10	0.038		ND	0.40	0.15	2	7/29/23 3:55	CMR
1,1-Dichloroethylene	ND	0.10	0.029		ND	0.40	0.11	2	7/29/23 3:55	CMR
cis-1,2-Dichloroethylene	ND	0.10	0.031		ND	0.40	0.12	2	7/29/23 3:55	CMR
trans-1,2-Dichloroethylene	0.074	0.10	0.033	J	0.29	0.40	0.13	2	7/29/23 3:55	CMR
1,2-Dichloropropane	ND	0.10	0.027		ND	0.46	0.13	2	7/29/23 3:55	CMR
cis-1,3-Dichloropropene	ND	0.10	0.045		ND	0.45	0.20	2	7/29/23 3:55	CMR
trans-1,3-Dichloropropene	ND	0.10	0.052		ND	0.45	0.23	2	7/29/23 3:55	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10	0.040		ND	0.70	0.28	2	7/29/23 3:55	CMR
1,4-Dioxane	ND	1.0	0.49		ND	3.6	1.8	2	7/29/23 3:55	CMR
Ethanol	460	4.0	2.7	E, L-03	870	7.5	5.0	2	7/29/23 3:55	CMR
Ethyl Acetate	1.5	1.0	0.29		5.4	3.6	1.0	2	7/29/23 3:55	CMR
Ethylbenzene	3.8	0.10	0.029		16	0.43	0.13	2	7/29/23 3:55	CMR
4-Ethyltoluene	0.55	0.10	0.043		2.7	0.49	0.21	2	7/29/23 3:55	CMR
Heptane	0.98	0.10	0.063		4.0	0.41	0.26	2	7/29/23 3:55	CMR
Hexachlorobutadiene	ND	0.10	0.058		ND	1.1	0.61	2	7/29/23 3:55	CMR
Hexane	1.5	4.0	1.3	J	5.4	14	4.7	2	7/29/23 3:55	CMR
2-Hexanone (MBK)	0.49	0.10	0.043		2.0	0.41	0.18	2	7/29/23 3:55	CMR
Isopropanol	53	4.0	1.3	L-03, V-05	130	9.8	3.1	2	7/29/23 3:55	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.10	0.049		ND	0.36	0.18	2	7/29/23 3:55	CMR
Methylene Chloride	0.27	1.0	0.27	J	0.94	3.5	0.93	2	7/29/23 3:55	CMR
4-Methyl-2-pentanone (MIBK)	0.63	0.10	0.053		2.6	0.41	0.22	2	7/29/23 3:55	CMR
Naphthalene	0.68	0.10	0.067	V-35	3.5	0.52	0.35	2	7/29/23 3:55	CMR
Propene	7.8	4.0	1.1		13	6.9	1.9	2	7/29/23 3:55	CMR
Styrene	1.8	0.10	0.054		7.7	0.43	0.23	2	7/29/23 3:55	CMR
1,1,2,2-Tetrachloroethane	ND	0.10	0.025		ND	0.69	0.17	2	7/29/23 3:55	CMR

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ANALYTICAL RESULTS

Project Location: 250 Water St, NY, NY
Date Received: 7/19/2023
Field Sample #: 250WATERST-SV4-AS
Sample ID: 23G2604-01
Sample Matrix: Soil Gas
Sampled: 7/13/2023 10:15

Sample Description/Location:
Sub Description/Location:
Canister ID: 1047
Canister Size: 6 liter
Flow Controller ID: 4409
Sample Type: 2 hr

Work Order: 23G2604
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -7
Receipt Vacuum(in Hg): -7.4
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	0.84	0.10	0.037		5.7	0.68	0.25	2	7/29/23 3:55	CMR
Tetrahydrofuran	12	1.0	0.21		34	2.9	0.61	2	7/29/23 3:55	CMR
Toluene	24	0.10	0.036		91	0.38	0.14	2	7/29/23 3:55	CMR
1,2,4-Trichlorobenzene	ND	0.10	0.054		ND	0.74	0.40	2	7/29/23 3:55	CMR
1,1,1-Trichloroethane	ND	0.10	0.031		ND	0.55	0.17	2	7/29/23 3:55	CMR
1,1,2-Trichloroethane	ND	0.10	0.026		ND	0.55	0.14	2	7/29/23 3:55	CMR
Trichloroethylene	0.046	0.10	0.041	J	0.25	0.54	0.22	2	7/29/23 3:55	CMR
Trichlorofluoromethane (Freon 11)	0.16	0.40	0.041	J	0.89	2.2	0.23	2	7/29/23 3:55	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.054	0.40	0.022	J	0.41	3.1	0.17	2	7/29/23 3:55	CMR
1,2,4-Trimethylbenzene	3.1	0.10	0.046		15	0.49	0.23	2	7/29/23 3:55	CMR
1,3,5-Trimethylbenzene	0.67	0.10	0.052		3.3	0.49	0.25	2	7/29/23 3:55	CMR
Vinyl Acetate	3.8	2.0	0.36		13	7.0	1.3	2	7/29/23 3:55	CMR
Vinyl Chloride	ND	0.10	0.046		ND	0.26	0.12	2	7/29/23 3:55	CMR
m&p-Xylene	8.4	0.20	0.070		36	0.87	0.30	2	7/29/23 3:55	CMR
o-Xylene	3.4	0.10	0.037		15	0.43	0.16	2	7/29/23 3:55	CMR

Surrogates	% Recovery	% REC Limits		
4-Bromofluorobenzene (1)	103	70-130	7/29/23 3:55	

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ANALYTICAL RESULTS

Project Location: 250 Water St, NY, NY
Date Received: 7/19/2023
Field Sample #: 250WATERST-SV6-AS
Sample ID: 23G2604-02
Sample Matrix: Soil Gas
Sampled: 7/14/2023 12:15

Sample Description/Location:
Sub Description/Location:
Canister ID: 1043
Canister Size: 6 liter
Flow Controller ID: 4417
Sample Type: 2 hr

Work Order: 23G2604
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -0.8
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	120	40	9.4	L-03, V-05	280	95	22	20	7/29/23 7:32	CMR
Benzene	210	1.0	0.31		660	3.2	0.99	20	7/29/23 7:32	CMR
Benzyl chloride	ND	0.10	0.054		ND	0.52	0.28	2	7/29/23 6:50	CMR
Bromodichloromethane	ND	0.10	0.027		ND	0.67	0.18	2	7/29/23 6:50	CMR
Bromoform	ND	0.10	0.036		ND	1.0	0.37	2	7/29/23 6:50	CMR
Bromomethane	ND	0.10	0.053		ND	0.39	0.21	2	7/29/23 6:50	CMR
1,3-Butadiene	ND	0.10	0.084	L-03	ND	0.22	0.19	2	7/29/23 6:50	CMR
2-Butanone (MEK)	23	4.0	1.1		68	12	3.3	2	7/29/23 6:50	CMR
Carbon Disulfide	90	1.0	0.19		280	3.1	0.60	2	7/29/23 6:50	CMR
Carbon Tetrachloride	0.82	0.10	0.029		5.2	0.63	0.18	2	7/29/23 6:50	CMR
Chlorobenzene	ND	0.10	0.025		ND	0.46	0.12	2	7/29/23 6:50	CMR
Chloroethane	0.25	0.10	0.063	L-03, V-05	0.65	0.26	0.17	2	7/29/23 6:50	CMR
Chloroform	8.9	0.10	0.026		44	0.49	0.13	2	7/29/23 6:50	CMR
Chloromethane	2.5	0.20	0.041		5.1	0.41	0.084	2	7/29/23 6:50	CMR
Cyclohexane	15	0.10	0.044		52	0.34	0.15	2	7/29/23 6:50	CMR
Dibromochloromethane	ND	0.10	0.027		ND	0.85	0.23	2	7/29/23 6:50	CMR
1,2-Dibromoethane (EDB)	0.042	0.10	0.033	J	0.32	0.77	0.26	2	7/29/23 6:50	CMR
1,2-Dichlorobenzene	ND	0.10	0.035		ND	0.60	0.21	2	7/29/23 6:50	CMR
1,3-Dichlorobenzene	ND	0.10	0.037		ND	0.60	0.22	2	7/29/23 6:50	CMR
1,4-Dichlorobenzene	ND	0.10	0.037		ND	0.60	0.22	2	7/29/23 6:50	CMR
Dichlorodifluoromethane (Freon 12)	0.42	0.10	0.042		2.1	0.49	0.21	2	7/29/23 6:50	CMR
1,1-Dichloroethane	ND	0.10	0.032		ND	0.40	0.13	2	7/29/23 6:50	CMR
1,2-Dichloroethane	ND	0.10	0.038		ND	0.40	0.15	2	7/29/23 6:50	CMR
1,1-Dichloroethylene	ND	0.10	0.029		ND	0.40	0.11	2	7/29/23 6:50	CMR
cis-1,2-Dichloroethylene	0.10	0.10	0.031		0.40	0.40	0.12	2	7/29/23 6:50	CMR
trans-1,2-Dichloroethylene	ND	0.10	0.033		ND	0.40	0.13	2	7/29/23 6:50	CMR
1,2-Dichloropropane	ND	0.10	0.027		ND	0.46	0.13	2	7/29/23 6:50	CMR
cis-1,3-Dichloropropene	ND	0.10	0.045		ND	0.45	0.20	2	7/29/23 6:50	CMR
trans-1,3-Dichloropropene	ND	0.10	0.052		ND	0.45	0.23	2	7/29/23 6:50	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10	0.040		ND	0.70	0.28	2	7/29/23 6:50	CMR
1,4-Dioxane	ND	1.0	0.49		ND	3.6	1.8	2	7/29/23 6:50	CMR
Ethanol	12	4.0	2.7	L-03	22	7.5	5.0	2	7/29/23 6:50	CMR
Ethyl Acetate	ND	1.0	0.29		ND	3.6	1.0	2	7/29/23 6:50	CMR
Ethylbenzene	5.9	0.10	0.029		26	0.43	0.13	2	7/29/23 6:50	CMR
4-Ethyltoluene	2.7	0.10	0.043		13	0.49	0.21	2	7/29/23 6:50	CMR
Heptane	12	0.10	0.063		50	0.41	0.26	2	7/29/23 6:50	CMR
Hexachlorobutadiene	ND	0.10	0.058		ND	1.1	0.61	2	7/29/23 6:50	CMR
Hexane	24	4.0	1.3		83	14	4.7	2	7/29/23 6:50	CMR
2-Hexanone (MBK)	ND	0.10	0.043		ND	0.41	0.18	2	7/29/23 6:50	CMR
Isopropanol	2.0	4.0	1.3	L-03, V-05, J	4.9	9.8	3.1	2	7/29/23 6:50	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.10	0.049		ND	0.36	0.18	2	7/29/23 6:50	CMR
Methylene Chloride	0.36	1.0	0.27	J	1.2	3.5	0.93	2	7/29/23 6:50	CMR
4-Methyl-2-pentanone (MIBK)	ND	0.10	0.053		ND	0.41	0.22	2	7/29/23 6:50	CMR
Naphthalene	0.65	0.10	0.067	V-35	3.4	0.52	0.35	2	7/29/23 6:50	CMR
Propene	620	40	11		1100	69	19	20	7/29/23 7:32	CMR
Styrene	0.58	0.10	0.054		2.5	0.43	0.23	2	7/29/23 6:50	CMR
1,1,2,2-Tetrachloroethane	ND	0.10	0.025		ND	0.69	0.17	2	7/29/23 6:50	CMR

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ANALYTICAL RESULTS

Project Location: 250 Water St, NY, NY
Date Received: 7/19/2023
Field Sample #: 250WATERST-SV6-AS
Sample ID: 23G2604-02
Sample Matrix: Soil Gas
Sampled: 7/14/2023 12:15

Sample Description/Location:
Sub Description/Location:
Canister ID: 1043
Canister Size: 6 liter
Flow Controller ID: 4417
Sample Type: 2 hr

Work Order: 23G2604
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -0.8
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	13	0.10	0.037		86	0.68	0.25	2	7/29/23 6:50	CMR
Tetrahydrofuran	0.28	1.0	0.21	J	0.84	2.9	0.61	2	7/29/23 6:50	CMR
Toluene	32	0.10	0.036		120	0.38	0.14	2	7/29/23 6:50	CMR
1,2,4-Trichlorobenzene	ND	0.10	0.054		ND	0.74	0.40	2	7/29/23 6:50	CMR
1,1,1-Trichloroethane	ND	0.10	0.031		ND	0.55	0.17	2	7/29/23 6:50	CMR
1,1,2-Trichloroethane	ND	0.10	0.026		ND	0.55	0.14	2	7/29/23 6:50	CMR
Trichloroethylene	0.088	0.10	0.041	J	0.47	0.54	0.22	2	7/29/23 6:50	CMR
Trichlorofluoromethane (Freon 11)	0.46	0.40	0.041		2.6	2.2	0.23	2	7/29/23 6:50	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.058	0.40	0.022	J	0.44	3.1	0.17	2	7/29/23 6:50	CMR
1,2,4-Trimethylbenzene	8.5	0.10	0.046		42	0.49	0.23	2	7/29/23 6:50	CMR
1,3,5-Trimethylbenzene	2.4	0.10	0.052		12	0.49	0.25	2	7/29/23 6:50	CMR
Vinyl Acetate	ND	2.0	0.36		ND	7.0	1.3	2	7/29/23 6:50	CMR
Vinyl Chloride	0.074	0.10	0.046	J	0.19	0.26	0.12	2	7/29/23 6:50	CMR
m&p-Xylene	16	0.20	0.070		68	0.87	0.30	2	7/29/23 6:50	CMR
o-Xylene	7.0	0.10	0.037		31	0.43	0.16	2	7/29/23 6:50	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	107	70-130	7/29/23 7:32
4-Bromofluorobenzene (1)	109	70-130	7/29/23 6:50

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: 250 Water St, NY, NY
Date Received: 7/19/2023
Field Sample #: 250WATERST-SV5-AS
Sample ID: 23G2604-03
Sample Matrix: Soil Gas
Sampled: 7/17/2023 12:35

Sample Description/Location:
Sub Description/Location:
Canister ID: 2180
Canister Size: 6 liter
Flow Controller ID: 4403
Sample Type: 2 hr

Work Order: 23G2604
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -5.3
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	19	4.0	0.94	L-03, V-05	45	9.5	2.2	2	7/29/23 4:37	CMR
Benzene	0.33	0.10	0.031		1.1	0.32	0.099	2	7/29/23 4:37	CMR
Benzyl chloride	ND	0.10	0.054		ND	0.52	0.28	2	7/29/23 4:37	CMR
Bromodichloromethane	ND	0.10	0.027		ND	0.67	0.18	2	7/29/23 4:37	CMR
Bromoform	ND	0.10	0.036		ND	1.0	0.37	2	7/29/23 4:37	CMR
Bromomethane	ND	0.10	0.053		ND	0.39	0.21	2	7/29/23 4:37	CMR
1,3-Butadiene	ND	0.10	0.084	L-03	ND	0.22	0.19	2	7/29/23 4:37	CMR
2-Butanone (MEK)	2.5	4.0	1.1	J	7.3	12	3.3	2	7/29/23 4:37	CMR
Carbon Disulfide	1.1	1.0	0.19		3.5	3.1	0.60	2	7/29/23 4:37	CMR
Carbon Tetrachloride	0.050	0.10	0.029	J	0.31	0.63	0.18	2	7/29/23 4:37	CMR
Chlorobenzene	0.062	0.10	0.025	J	0.29	0.46	0.12	2	7/29/23 4:37	CMR
Chloroethane	ND	0.10	0.063	L-03, V-05	ND	0.26	0.17	2	7/29/23 4:37	CMR
Chloroform	0.38	0.10	0.026		1.8	0.49	0.13	2	7/29/23 4:37	CMR
Chloromethane	0.16	0.20	0.041	J	0.34	0.41	0.084	2	7/29/23 4:37	CMR
Cyclohexane	0.43	0.10	0.044		1.5	0.34	0.15	2	7/29/23 4:37	CMR
Dibromochloromethane	ND	0.10	0.027		ND	0.85	0.23	2	7/29/23 4:37	CMR
1,2-Dibromoethane (EDB)	ND	0.10	0.033		ND	0.77	0.26	2	7/29/23 4:37	CMR
1,2-Dichlorobenzene	ND	0.10	0.035		ND	0.60	0.21	2	7/29/23 4:37	CMR
1,3-Dichlorobenzene	ND	0.10	0.037		ND	0.60	0.22	2	7/29/23 4:37	CMR
1,4-Dichlorobenzene	ND	0.10	0.037		ND	0.60	0.22	2	7/29/23 4:37	CMR
Dichlorodifluoromethane (Freon 12)	0.30	0.10	0.042		1.5	0.49	0.21	2	7/29/23 4:37	CMR
1,1-Dichloroethane	ND	0.10	0.032		ND	0.40	0.13	2	7/29/23 4:37	CMR
1,2-Dichloroethane	ND	0.10	0.038		ND	0.40	0.15	2	7/29/23 4:37	CMR
1,1-Dichloroethylene	ND	0.10	0.029		ND	0.40	0.11	2	7/29/23 4:37	CMR
cis-1,2-Dichloroethylene	0.046	0.10	0.031	J	0.18	0.40	0.12	2	7/29/23 4:37	CMR
trans-1,2-Dichloroethylene	ND	0.10	0.033		ND	0.40	0.13	2	7/29/23 4:37	CMR
1,2-Dichloropropane	ND	0.10	0.027		ND	0.46	0.13	2	7/29/23 4:37	CMR
cis-1,3-Dichloropropene	ND	0.10	0.045		ND	0.45	0.20	2	7/29/23 4:37	CMR
trans-1,3-Dichloropropene	ND	0.10	0.052		ND	0.45	0.23	2	7/29/23 4:37	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10	0.040		ND	0.70	0.28	2	7/29/23 4:37	CMR
1,4-Dioxane	ND	1.0	0.49		ND	3.6	1.8	2	7/29/23 4:37	CMR
Ethanol	4.4	4.0	2.7	L-03	8.4	7.5	5.0	2	7/29/23 4:37	CMR
Ethyl Acetate	ND	1.0	0.29		ND	3.6	1.0	2	7/29/23 4:37	CMR
Ethylbenzene	1.2	0.10	0.029		5.3	0.43	0.13	2	7/29/23 4:37	CMR
4-Ethyltoluene	0.79	0.10	0.043		3.9	0.49	0.21	2	7/29/23 4:37	CMR
Heptane	0.47	0.10	0.063		1.9	0.41	0.26	2	7/29/23 4:37	CMR
Hexachlorobutadiene	ND	0.10	0.058		ND	1.1	0.61	2	7/29/23 4:37	CMR
Hexane	ND	4.0	1.3		ND	14	4.7	2	7/29/23 4:37	CMR
2-Hexanone (MBK)	0.36	0.10	0.043		1.5	0.41	0.18	2	7/29/23 4:37	CMR
Isopropanol	ND	4.0	1.3	L-03, V-05	ND	9.8	3.1	2	7/29/23 4:37	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.10	0.049		ND	0.36	0.18	2	7/29/23 4:37	CMR
Methylene Chloride	ND	1.0	0.27		ND	3.5	0.93	2	7/29/23 4:37	CMR
4-Methyl-2-pentanone (MIBK)	0.27	0.10	0.053		1.1	0.41	0.22	2	7/29/23 4:37	CMR
Naphthalene	1.5	0.10	0.067	V-35	7.7	0.52	0.35	2	7/29/23 4:37	CMR
Propene	ND	4.0	1.1		ND	6.9	1.9	2	7/29/23 4:37	CMR
Styrene	0.26	0.10	0.054		1.1	0.43	0.23	2	7/29/23 4:37	CMR
1,1,2,2-Tetrachloroethane	ND	0.10	0.025		ND	0.69	0.17	2	7/29/23 4:37	CMR

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ANALYTICAL RESULTS

Project Location: 250 Water St, NY, NY
Date Received: 7/19/2023
Field Sample #: 250WATERST-SV5-AS
Sample ID: 23G2604-03
Sample Matrix: Soil Gas
Sampled: 7/17/2023 12:35

Sample Description/Location:
Sub Description/Location:
Canister ID: 2180
Canister Size: 6 liter
Flow Controller ID: 4403
Sample Type: 2 hr

Work Order: 23G2604
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -5.3
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	7.7	0.10	0.037		52	0.68	0.25	2	7/29/23 4:37	CMR
Tetrahydrofuran	ND	1.0	0.21		ND	2.9	0.61	2	7/29/23 4:37	CMR
Toluene	1.9	0.10	0.036		7.2	0.38	0.14	2	7/29/23 4:37	CMR
1,2,4-Trichlorobenzene	ND	0.10	0.054		ND	0.74	0.40	2	7/29/23 4:37	CMR
1,1,1-Trichloroethane	ND	0.10	0.031		ND	0.55	0.17	2	7/29/23 4:37	CMR
1,1,2-Trichloroethane	ND	0.10	0.026		ND	0.55	0.14	2	7/29/23 4:37	CMR
Trichloroethylene	0.068	0.10	0.041	J	0.37	0.54	0.22	2	7/29/23 4:37	CMR
Trichlorofluoromethane (Freon 11)	0.19	0.40	0.041	J	1.1	2.2	0.23	2	7/29/23 4:37	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.056	0.40	0.022	J	0.43	3.1	0.17	2	7/29/23 4:37	CMR
1,2,4-Trimethylbenzene	5.9	0.10	0.046		29	0.49	0.23	2	7/29/23 4:37	CMR
1,3,5-Trimethylbenzene	1.5	0.10	0.052		7.2	0.49	0.25	2	7/29/23 4:37	CMR
Vinyl Acetate	1.3	2.0	0.36	J	4.5	7.0	1.3	2	7/29/23 4:37	CMR
Vinyl Chloride	ND	0.10	0.046		ND	0.26	0.12	2	7/29/23 4:37	CMR
m&p-Xylene	6.4	0.20	0.070		28	0.87	0.30	2	7/29/23 4:37	CMR
o-Xylene	3.3	0.10	0.037		14	0.43	0.16	2	7/29/23 4:37	CMR

Surrogates	% Recovery	% REC Limits		
4-Bromofluorobenzene (1)	106	70-130	7/29/23 4:37	

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ANALYTICAL RESULTS

Project Location: 250 Water St, NY, NY
Date Received: 7/19/2023
Field Sample #: 250WATERST-SV2-AS
Sample ID: 23G2604-04
Sample Matrix: Soil Gas
Sampled: 7/17/2023 14:45

Sample Description/Location:
Sub Description/Location:
Canister ID: 1165
Canister Size: 6 liter
Flow Controller ID: 4426
Sample Type: 2 hr

Work Order: 23G2604
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -4.3
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	100	4.0	0.94	E, L-03, V-05	250	9.5	2.2	2	7/29/23 6:06	CMR
Benzene	1.3	0.10	0.031		4.1	0.32	0.099	2	7/29/23 6:06	CMR
Benzyl chloride	ND	0.10	0.054		ND	0.52	0.28	2	7/29/23 6:06	CMR
Bromodichloromethane	ND	0.10	0.027		ND	0.67	0.18	2	7/29/23 6:06	CMR
Bromoform	ND	0.10	0.036		ND	1.0	0.37	2	7/29/23 6:06	CMR
Bromomethane	0.062	0.10	0.053	J	0.24	0.39	0.21	2	7/29/23 6:06	CMR
1,3-Butadiene	ND	0.10	0.084	L-03	ND	0.22	0.19	2	7/29/23 6:06	CMR
2-Butanone (MEK)	7.9	4.0	1.1		23	12	3.3	2	7/29/23 6:06	CMR
Carbon Disulfide	1.7	1.0	0.19		5.4	3.1	0.60	2	7/29/23 6:06	CMR
Carbon Tetrachloride	0.050	0.10	0.029	J	0.31	0.63	0.18	2	7/29/23 6:06	CMR
Chlorobenzene	0.19	0.10	0.025		0.89	0.46	0.12	2	7/29/23 6:06	CMR
Chloroethane	0.11	0.10	0.063	L-03, V-05	0.28	0.26	0.17	2	7/29/23 6:06	CMR
Chloroform	2.5	0.10	0.026		12	0.49	0.13	2	7/29/23 6:06	CMR
Chloromethane	2.1	0.20	0.041		4.4	0.41	0.084	2	7/29/23 6:06	CMR
Cyclohexane	0.49	0.10	0.044		1.7	0.34	0.15	2	7/29/23 6:06	CMR
Dibromochloromethane	ND	0.10	0.027		ND	0.85	0.23	2	7/29/23 6:06	CMR
1,2-Dibromoethane (EDB)	0.034	0.10	0.033	J	0.26	0.77	0.26	2	7/29/23 6:06	CMR
1,2-Dichlorobenzene	ND	0.10	0.035		ND	0.60	0.21	2	7/29/23 6:06	CMR
1,3-Dichlorobenzene	2.3	0.10	0.037		14	0.60	0.22	2	7/29/23 6:06	CMR
1,4-Dichlorobenzene	0.046	0.10	0.037	J	0.28	0.60	0.22	2	7/29/23 6:06	CMR
Dichlorodifluoromethane (Freon 12)	0.36	0.10	0.042		1.8	0.49	0.21	2	7/29/23 6:06	CMR
1,1-Dichloroethane	ND	0.10	0.032		ND	0.40	0.13	2	7/29/23 6:06	CMR
1,2-Dichloroethane	ND	0.10	0.038		ND	0.40	0.15	2	7/29/23 6:06	CMR
1,1-Dichloroethylene	ND	0.10	0.029		ND	0.40	0.11	2	7/29/23 6:06	CMR
cis-1,2-Dichloroethylene	ND	0.10	0.031		ND	0.40	0.12	2	7/29/23 6:06	CMR
trans-1,2-Dichloroethylene	ND	0.10	0.033		ND	0.40	0.13	2	7/29/23 6:06	CMR
1,2-Dichloropropane	ND	0.10	0.027		ND	0.46	0.13	2	7/29/23 6:06	CMR
cis-1,3-Dichloropropene	ND	0.10	0.045		ND	0.45	0.20	2	7/29/23 6:06	CMR
trans-1,3-Dichloropropene	ND	0.10	0.052		ND	0.45	0.23	2	7/29/23 6:06	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10	0.040		ND	0.70	0.28	2	7/29/23 6:06	CMR
1,4-Dioxane	ND	1.0	0.49		ND	3.6	1.8	2	7/29/23 6:06	CMR
Ethanol	430	4.0	2.7	E, L-03	810	7.5	5.0	2	7/29/23 6:06	CMR
Ethyl Acetate	1.8	1.0	0.29		6.6	3.6	1.0	2	7/29/23 6:06	CMR
Ethylbenzene	0.26	0.10	0.029		1.1	0.43	0.13	2	7/29/23 6:06	CMR
4-Ethyltoluene	0.11	0.10	0.043		0.56	0.49	0.21	2	7/29/23 6:06	CMR
Heptane	0.41	0.10	0.063		1.7	0.41	0.26	2	7/29/23 6:06	CMR
Hexachlorobutadiene	ND	0.10	0.058		ND	1.1	0.61	2	7/29/23 6:06	CMR
Hexane	ND	4.0	1.3		ND	14	4.7	2	7/29/23 6:06	CMR
2-Hexanone (MBK)	0.47	0.10	0.043		1.9	0.41	0.18	2	7/29/23 6:06	CMR
Isopropanol	5.3	4.0	1.3	L-03, V-05	13	9.8	3.1	2	7/29/23 6:06	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.10	0.049		ND	0.36	0.18	2	7/29/23 6:06	CMR
Methylene Chloride	ND	1.0	0.27		ND	3.5	0.93	2	7/29/23 6:06	CMR
4-Methyl-2-pentanone (MIBK)	0.60	0.10	0.053		2.4	0.41	0.22	2	7/29/23 6:06	CMR
Naphthalene	1.2	0.10	0.067	V-35	6.2	0.52	0.35	2	7/29/23 6:06	CMR
Propene	24	4.0	1.1		41	6.9	1.9	2	7/29/23 6:06	CMR
Styrene	0.11	0.10	0.054		0.48	0.43	0.23	2	7/29/23 6:06	CMR

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ANALYTICAL RESULTS

Project Location: 250 Water St, NY, NY
Date Received: 7/19/2023
Field Sample #: 250WATERST-SV2-AS
Sample ID: 23G2604-04
Sample Matrix: Soil Gas
Sampled: 7/17/2023 14:45

Sample Description/Location:
Sub Description/Location:
Canister ID: 1165
Canister Size: 6 liter
Flow Controller ID: 4426
Sample Type: 2 hr

Work Order: 23G2604
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -4.3
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
1,1,2,2-Tetrachloroethane	ND	0.10	0.025		ND	0.69	0.17	2	7/29/23 6:06	CMR
Tetrachloroethylene	0.45	0.10	0.037		3.1	0.68	0.25	2	7/29/23 6:06	CMR
Tetrahydrofuran	1.6	1.0	0.21		4.6	2.9	0.61	2	7/29/23 6:06	CMR
Toluene	3.3	0.10	0.036		12	0.38	0.14	2	7/29/23 6:06	CMR
1,2,4-Trichlorobenzene	ND	0.10	0.054		ND	0.74	0.40	2	7/29/23 6:06	CMR
1,1,1-Trichloroethane	ND	0.10	0.031		ND	0.55	0.17	2	7/29/23 6:06	CMR
1,1,2-Trichloroethane	ND	0.10	0.026		ND	0.55	0.14	2	7/29/23 6:06	CMR
Trichloroethylene	ND	0.10	0.041		ND	0.54	0.22	2	7/29/23 6:06	CMR
Trichlorofluoromethane (Freon 11)	0.48	0.40	0.041		2.7	2.2	0.23	2	7/29/23 6:06	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.064	0.40	0.022	J	0.49	3.1	0.17	2	7/29/23 6:06	CMR
1,2,4-Trimethylbenzene	0.96	0.10	0.046		4.7	0.49	0.23	2	7/29/23 6:06	CMR
1,3,5-Trimethylbenzene	0.17	0.10	0.052		0.82	0.49	0.25	2	7/29/23 6:06	CMR
Vinyl Acetate	7.3	2.0	0.36		26	7.0	1.3	2	7/29/23 6:06	CMR
Vinyl Chloride	0.096	0.10	0.046	J	0.25	0.26	0.12	2	7/29/23 6:06	CMR
m&p-Xylene	0.92	0.20	0.070		4.0	0.87	0.30	2	7/29/23 6:06	CMR
o-Xylene	0.45	0.10	0.037		1.9	0.43	0.16	2	7/29/23 6:06	CMR

Surrogates	% Recovery	% REC Limits		
4-Bromofluorobenzene (1)	108	70-130		7/29/23 6:06

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

EPA TO-15

Laboratory:	Pace New England	Work Order:	23G2604
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B AIR - CO 147098
Matrix:	Air	Preparation:	TO-15 Prep
Batch:	B347528	Laboratory ID:	B347528-BS1
Column:		Initial/Final:	400 mL / 400 mL

ANALYTE	SPIKE ADDED (ppbv)	LCS CONCENTRATION (ppbv)	LCS % REC.		QC LIMITS REC.
Acetone	5.00	3.14	62.8	*	70 - 130
Benzene	5.00	4.19	83.7		70 - 130
Benzyl chloride	5.00	4.59	91.8		70 - 130
Bromodichloromethane	5.00	4.00	79.9		70 - 130
Bromoform	5.00	4.53	90.6		70 - 130
Bromomethane	5.00	3.55	71.1		70 - 130
1,3-Butadiene	5.00	3.48	69.7	*	70 - 130
2-Butanone (MEK)	5.00	4.19	83.8		70 - 130
Carbon Disulfide	5.00	4.46	89.2		70 - 130
Carbon Tetrachloride	5.00	4.21	84.3		70 - 130
Chlorobenzene	5.00	4.20	84.1		70 - 130
Chloroethane	5.00	3.32	66.3	*	70 - 130
Chloroform	5.00	4.29	85.8		70 - 130
Chloromethane	5.00	3.67	73.4		70 - 130
Cyclohexane	5.00	4.76	95.3		70 - 130
Dibromochloromethane	5.00	4.33	86.6		70 - 130
1,2-Dibromoethane (EDB)	5.00	4.15	83.0		70 - 130
1,2-Dichlorobenzene	5.00	4.32	86.3		70 - 130
1,3-Dichlorobenzene	5.00	4.62	92.3		70 - 130
1,4-Dichlorobenzene	5.00	4.54	90.8		70 - 130
Dichlorodifluoromethane (Freon 12)	5.00	4.51	90.3		70 - 130
1,1-Dichloroethane	5.00	4.16	83.2		70 - 130
1,2-Dichloroethane	5.00	4.11	82.2		70 - 130
1,1-Dichloroethylene	5.00	3.98	79.7		70 - 130
cis-1,2-Dichloroethylene	5.00	4.13	82.6		70 - 130
trans-1,2-Dichloroethylene	5.00	4.28	85.5		70 - 130
1,2-Dichloropropane	5.00	4.07	81.5		70 - 130
cis-1,3-Dichloropropene	5.00	4.22	84.4		70 - 130
trans-1,3-Dichloropropene	5.00	4.32	86.4		70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	5.00	3.72	74.4		70 - 130
1,4-Dioxane	5.00	4.15	83.0		70 - 130
Ethanol	5.00	2.98	59.6	*	70 - 130
Ethyl Acetate	5.00	3.76	75.2		70 - 130
Ethylbenzene	5.00	4.45	88.9		70 - 130
4-Ethyltoluene	5.00	4.89	97.8		70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

EPA TO-15

Laboratory:	Pace New England	Work Order:	23G2604
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B AIR - CO 147098
Matrix:	Air	Preparation:	TO-15 Prep
Batch:	B347528	Laboratory ID:	B347528-BS1
Column:		Initial/Final:	400 mL / 400 mL

ANALYTE	SPIKE ADDED (ppbv)	LCS CONCENTRATION (ppbv)	LCS % REC.		QC LIMITS REC.
Heptane	5.00	4.54	90.9		70 - 130
Hexachlorobutadiene	4.25	4.74	111		70 - 130
Hexane	5.00	4.19	83.8		70 - 130
2-Hexanone (MBK)	5.00	4.28	85.6		70 - 130
Isopropanol	5.00	2.44	48.8	*	70 - 130
Methyl tert-Butyl Ether (MTBE)	5.00	4.27	85.4		70 - 130
Methylene Chloride	5.00	4.18	83.5		70 - 130
4-Methyl-2-pentanone (MIBK)	5.00	4.55	90.9		70 - 130
Naphthalene	3.68	4.62	126		70 - 130
Propene	5.00	4.68	93.7		70 - 130
Styrene	5.00	4.52	90.4		70 - 130
1,1,2,2-Tetrachloroethane	5.00	4.20	83.9		70 - 130
Tetrachloroethylene	5.00	4.25	85.0		70 - 130
Tetrahydrofuran	5.00	4.62	92.4		70 - 130
Toluene	5.00	4.50	89.9		70 - 130
1,2,4-Trichlorobenzene	3.90	4.82	124		70 - 130
1,1,1-Trichloroethane	5.00	3.99	79.9		70 - 130
1,1,2-Trichloroethane	5.00	4.37	87.4		70 - 130
Trichloroethylene	5.00	4.22	84.4		70 - 130
Trichlorofluoromethane (Freon 11)	5.00	3.55	71.0		70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5.00	4.14	82.7		70 - 130
1,2,4-Trimethylbenzene	5.00	4.72	94.3		70 - 130
1,3,5-Trimethylbenzene	5.00	4.82	96.3		70 - 130
Vinyl Acetate	5.00	4.40	88.1		70 - 130
Vinyl Chloride	5.00	3.61	72.1		70 - 130
m&p-Xylene	10.0	9.47	94.7		70 - 130
o-Xylene	5.00	4.69	93.7		70 - 130

Evaluate Continuing Calibration Report

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Data File : C:\msdchem\1\data\G070523\G23A186044.D Vial: 4
Acq On : 6 Jul 2023 3:23 pm Operator: CMR
Sample : 5.0 PPBV ICV Inst : SYSG
Misc : CTWS-4061-2056 07/09- 15PSIG Multiplr: 1.00
Quant Time: Jul 07 13:48:18 2023

Quant Method : C:\msdchem\1\methods\G070523.m
Quant Title : New Column Method G021015
QLast Update : Fri Jul 07 13:46:47 2023
Response via : Initial Calibration
DataAcq Meth:GRUN042419.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
55		STYRENE	5.000	4.371	12.6	0	0.00
56		O-XYLENE	5.000	4.353	12.9	0	0.00
57		1,1,2,2-TETRACHLOROETHANE	5.000	3.897	22.1	0	0.00
58	S	4-BROMOFLUOROBENZENE (1)	8.000	8.174	-2.2	0	0.00
59		4-ETHYLTOLUENE	5.000	4.647	7.1	0	0.00
60		1,3,5-TRIMETHYLBENZENE	5.000	4.435	11.3	0	0.00
61		1,2,4-TRIMETHYLBENZENE	5.000	4.440	11.2	0	0.00
62		1,3-DICHLOROBENZENE	5.000	4.213	15.7	0	0.00
63		BENZYL CHLORIDE	5.000	4.520	9.6	0	0.00
64		1,4-DICHLOROBENZENE	5.000	4.235	15.3	0	0.00
65		1,2-DICHLOROBENZENE	5.000	4.150	17.0	0	0.00
66		1,2,4-TRICHLOROBENZENE	3.905	4.748	-21.6	0	0.00
67		NAPHTHALENE	3.685	4.941	-34.1#	0	0.00
68		HEXACHLOROBUTADIENE	4.250	3.519	17.2	0	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

EPA TO-15

Laboratory:	Pace New England	Work Order:	23G2604
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B AIR - CO 147098
Instrument ID:	SYSG	Calibration:	2300826
Lab File ID:	G23A209004.D	Calibration Date:	07/05/23 00:00
Sequence:	S091254	Injection Date:	07/28/23
Lab Sample ID:	S091254-CCV1	Injection Time:	13:15

		CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetone	A	5.00	3.40	1.125815	0.7649388		-32.1	30	*
Benzene	A	5.00	4.14	0.9226103	0.7638287		-17.2	30	
Benzyl chloride	A	5.00	4.19	0.8789977	0.7366789		-16.2	30	
Bromodichloromethane	A	5.00	4.03	0.7159116	0.5766621		-19.5	30	
Bromoform	A	5.00	4.23	0.5954845	0.5042775		-15.3	30	
Bromomethane	A	5.00	3.67	0.6413025	0.4703748		-26.7	30	
1,3-Butadiene	A	5.00	3.64	0.5434474	0.3961741		-27.1	30	
2-Butanone (MEK)	A	5.00	4.11	1.502041	1.23447		-17.8	30	
Carbon Disulfide	A	5.00	4.28	2.120006	1.81589		-14.3	30	
Carbon Tetrachloride	A	5.00	4.12	0.6193272	0.5104248		-17.6	30	
Chlorobenzene	A	5.00	4.15	0.8649336	0.7180386		-17.0	30	
Chloroethane	A	5.00	3.37	0.3701815	0.2493122		-32.7	30	*
Chloroform	A	5.00	4.27	1.647573	1.407869		-14.5	30	
Chloromethane	A	5.00	3.84	0.7145778	0.5486939		-23.2	30	
Cyclohexane	A	5.00	4.63	0.3329876	0.3081783		-7.5	30	
Dibromochloromethane	A	5.00	4.20	0.6842601	0.575205		-15.9	30	
1,2-Dibromoethane (EDB)	A	5.00	4.19	0.5876952	0.4922757		-16.2	30	
1,2-Dichlorobenzene	A	5.00	3.87	0.6526836	0.5056725		-22.5	30	
1,3-Dichlorobenzene	A	5.00	4.27	0.7212869	0.6155194		-14.7	30	
1,4-Dichlorobenzene	A	5.00	4.14	0.6956251	0.5755335		-17.3	30	
Dichlorodifluoromethane (Freon 12)	A	5.00	4.68	1.716028	1.606359		-6.4	30	
1,1-Dichloroethane	A	5.00	4.10	1.500335	1.23101		-18.0	30	
1,2-Dichloroethane	A	5.00	4.08	1.078756	0.8804852		-18.4	30	
1,1-Dichloroethylene	A	5.00	4.02	1.250561	1.004495		-19.7	30	
cis-1,2-Dichloroethylene	A	5.00	4.14	1.009561	0.8352557		-17.3	30	
trans-1,2-Dichloroethylene	A	5.00	4.14	1.069027	0.8853904		-17.2	30	
1,2-Dichloropropane	A	5.00	3.97	0.3721594	0.2953687		-20.6	30	
cis-1,3-Dichloropropene	A	5.00	4.25	0.4827235	0.4103814		-15.0	30	
trans-1,3-Dichloropropene	A	5.00	4.13	0.4259588	0.3516295		-17.4	30	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

EPA TO-15

Laboratory:	Pace New England	Work Order:	23G2604
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B AIR - CO 147098
Instrument ID:	SYSG	Calibration:	2300826
Lab File ID:	G23A209004.D	Calibration Date:	07/05/23 00:00
Sequence:	S091254	Injection Date:	07/28/23
Lab Sample ID:	S091254-CCV1	Injection Time:	13:15

		CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	A	5.00	4.08	1.80713	1.474226		-18.4	30	
1,4-Dioxane	A	5.00	4.01	0.1638845	0.1313868		-19.8	30	
Ethanol	A	5.00	3.52	0.1949576	0.1373453		-29.6	30	
Ethyl Acetate	A	5.00	4.15	0.2832662	0.2349172		-17.1	30	
Ethylbenzene	A	5.00	4.41	1.329635	1.173138		-11.8	30	
4-Ethyltoluene	A	5.00	4.47	1.275092	1.140437		-10.6	30	
Heptane	A	5.00	4.35	0.2833363	0.2465409		-13.0	30	
Hexachlorobutadiene	A	5.00	4.23	0.4317752	0.364898		-15.5	30	
Hexane	A	5.00	4.07	0.9930718	0.8085604		-18.6	30	
2-Hexanone (MBK)	A	5.00	4.42	0.6390182	0.5644472		-11.7	30	
Isopropanol	A	5.00	3.00	1.295343	0.7767209		-40.0	30	*
Methyl tert-Butyl Ether (MTBE)	A	5.00	4.16	1.917541	1.594032		-16.9	30	
Methylene Chloride	A	5.00	4.23	0.9220065	0.7799693		-15.4	30	
4-Methyl-2-pentanone (MIBK)	A	5.00	4.42	0.6834393	0.6043317		-11.6	30	
Naphthalene	A	5.00	3.64	0.7252172	0.527523		-27.3	30	
Propene	A	5.00	4.82	0.6048455	0.5825095		-3.7	30	
Styrene	A	5.00	4.53	0.7076325	0.6410793		-9.4	30	
1,1,2,2-Tetrachloroethane	A	5.00	3.99	0.8765764	0.6990142		-20.3	30	
Tetrachloroethylene	A	5.00	4.27	0.4894546	0.4182959		-14.5	30	
Tetrahydrofuran	A	5.00	4.32	0.283701	0.2452028		-13.6	30	
Toluene	A	5.00	4.42	1.057285	0.9346997		-11.6	30	
1,2,4-Trichlorobenzene	A	5.00	3.72	0.3380425	0.2517909		-25.5	30	
1,1,1-Trichloroethane	A	5.00	4.15	0.6255886	0.5194694		-17.0	30	
1,1,2-Trichloroethane	A	5.00	4.34	0.3917499	0.3403598		-13.1	30	
Trichloroethylene	A	5.00	4.21	0.3945447	0.3319645		-15.9	30	
Trichlorofluoromethane (Freon 11)	A	5.00	3.73	1.641298	1.225695		-25.3	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	5.00	4.24	1.54863	1.311962		-15.3	30	
1,2,4-Trimethylbenzene	A	5.00	4.50	1.014114	0.9132606		-9.9	30	

Data Usability Summary Report

Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

250 Water St., Manhattan, NY
SDG#23G2605
December 14, 2023
Sampling date: 7/18/2023

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for TRC Engineers, Inc., project located at 250 Water St., Manhattan, NY, Pace/Con-Test, SDG#23G2605 submitted to Vali-Data of WNY, LLC on October 10, 2023. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines (SOP NO. HW-31, revision 6). The laboratory performed the analysis using Compendium of Methods for the Determination of Toxic Organic Compounds, Compendium Method TO-15, January 1999.

DUSR ID	Sample ID	Laboratory ID
1	250WATERST-SV1-AS	23G2605-01

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Internal Standard (IS) Area Performance
-Method Blank
-Field Duplicate Sample Precision
-Laboratory Control Samples
-MS/MSD/Duplicate
-Compound Quantitation
-Initial Calibration
-Continuing Calibration
-GC/MS Performance Check
-Canister Certification Blanks

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Laboratory Control Samples, Initial Calibration and Continuing Calibration.

The concentration of all target analytes was recorded to the reporting limits.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

METHOD BLANK
All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met except a couple of target analytes were outside QC limits in a laboratory control sample and should be qualified as estimated.

LCS ID	Target Analyte	%Rec	Qualifier	Associated Sample
B347528	Acetone	62.8	J	1
B347528	Ethanol	59.6	J	1
B347528	1,3-Butadiene	69.7	UJ	1
B347528	Chloroethane	66.3	UJ	1
B347528	Isopropanol	48.8	UJ	1

MS/MSD/DUPLICATE
No MS/MSD/Duplicate was acquired.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met except a target analyte was outside QC limits in the initial calibration verification and should be qualified as estimated in the associated blanks, spikes and samples.

ICal instrument	Target Analyte	%RSD	Qualifier	Associated Sample
SSYG	Naphthalene	-34.1	UJ/J	B347528, 1

CONTINUING CALIBRATION

All criteria were met except a couple of target analytes were outside QC limits in a continuing calibration and should be qualified as estimated in the associated samples, blanks and spikes.

CCal ID	Target Analyte	%D	Qualifier	Associated Sample
S091254-CCV1	Acetone	-32.1	UJ/J	B347528, 1
S091254-CCV1	Isopropanol	-40.0	UJ/J	B347528, 1

GC/MS PERFORMANCE CHECK

All criteria were met.

CANISTER CERTIFICATION BLANKS

All criteria were met.

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

EPA TO-15

Qualifications:

L-03 Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

1,3-Butadiene, Acetone, Chloroethane, Ethanol, Isopropanol

23G2605-01[250WATERST-SV1-AS], B347528-BLK1, B347528-BS1

V-05 Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

Acetone, Chloroethane, Isopropanol

23G2605-01[250WATERST-SV1-AS], B347528-BLK1, B347528-BS1, S091254-CCV1

V-35 Initial calibration verification (ICV) did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

Naphthalene

23G2605-01[250WATERST-SV1-AS], B347528-BS1, S091254-CCV1

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Tod E. Kopyscinski
Laboratory Director

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: 250 Water St, NY, NY
Date Received: 7/19/2023
Field Sample #: 250WATERST-SV1-AS
Sample ID: 23G2605-01
Sample Matrix: Soil Gas
Sampled: 7/18/2023 10:15

Sample Description/Location:
Sub Description/Location:
Canister ID: 2179
Canister Size: 6 liter
Flow Controller ID: 4405
Sample Type: 2 hr

Work Order: 23G2605
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -6
Receipt Vacuum(in Hg): -6.8
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	Results	RL	MDL	Flag/Qual	Results	RL	MDL	Dilution	Analyzed	Analyst
Acetone	23	4.0	0.94	L-03, V-05	55	9.5	2.2	2	7/29/23 3:12	CMR
Benzene	1.0	0.10	0.031		3.3	0.32	0.099	2	7/29/23 3:12	CMR
Benzyl chloride	ND	0.10	0.054		ND	0.52	0.28	2	7/29/23 3:12	CMR
Bromodichloromethane	0.028	0.10	0.027	J	0.19	0.67	0.18	2	7/29/23 3:12	CMR
Bromoform	ND	0.10	0.036		ND	1.0	0.37	2	7/29/23 3:12	CMR
Bromomethane	ND	0.10	0.053		ND	0.39	0.21	2	7/29/23 3:12	CMR
1,3-Butadiene	ND	0.10	0.084	L-03	ND	0.22	0.19	2	7/29/23 3:12	CMR
2-Butanone (MEK)	4.3	4.0	1.1		13	12	3.3	2	7/29/23 3:12	CMR
Carbon Disulfide	0.72	1.0	0.19	J	2.3	3.1	0.60	2	7/29/23 3:12	CMR
Carbon Tetrachloride	0.030	0.10	0.029	J	0.19	0.63	0.18	2	7/29/23 3:12	CMR
Chlorobenzene	0.078	0.10	0.025	J	0.36	0.46	0.12	2	7/29/23 3:12	CMR
Chloroethane	ND	0.10	0.063	L-03, V-05	ND	0.26	0.17	2	7/29/23 3:12	CMR
Chloroform	1.2	0.10	0.026		5.9	0.49	0.13	2	7/29/23 3:12	CMR
Chloromethane	0.11	0.20	0.041	J	0.23	0.41	0.084	2	7/29/23 3:12	CMR
Cyclohexane	1.0	0.10	0.044		3.5	0.34	0.15	2	7/29/23 3:12	CMR
Dibromochloromethane	ND	0.10	0.027		ND	0.85	0.23	2	7/29/23 3:12	CMR
1,2-Dibromoethane (EDB)	0.034	0.10	0.033	J	0.26	0.77	0.26	2	7/29/23 3:12	CMR
1,2-Dichlorobenzene	ND	0.10	0.035		ND	0.60	0.21	2	7/29/23 3:12	CMR
1,3-Dichlorobenzene	ND	0.10	0.037		ND	0.60	0.22	2	7/29/23 3:12	CMR
1,4-Dichlorobenzene	ND	0.10	0.037		ND	0.60	0.22	2	7/29/23 3:12	CMR
Dichlorodifluoromethane (Freon 12)	0.30	0.10	0.042		1.5	0.49	0.21	2	7/29/23 3:12	CMR
1,1-Dichloroethane	ND	0.10	0.032		ND	0.40	0.13	2	7/29/23 3:12	CMR
1,2-Dichloroethane	ND	0.10	0.038		ND	0.40	0.15	2	7/29/23 3:12	CMR
1,1-Dichloroethylene	ND	0.10	0.029		ND	0.40	0.11	2	7/29/23 3:12	CMR
cis-1,2-Dichloroethylene	ND	0.10	0.031		ND	0.40	0.12	2	7/29/23 3:12	CMR
trans-1,2-Dichloroethylene	ND	0.10	0.033		ND	0.40	0.13	2	7/29/23 3:12	CMR
1,2-Dichloropropane	ND	0.10	0.027		ND	0.46	0.13	2	7/29/23 3:12	CMR
cis-1,3-Dichloropropene	ND	0.10	0.045		ND	0.45	0.20	2	7/29/23 3:12	CMR
trans-1,3-Dichloropropene	ND	0.10	0.052		ND	0.45	0.23	2	7/29/23 3:12	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10	0.040		ND	0.70	0.28	2	7/29/23 3:12	CMR
1,4-Dioxane	ND	1.0	0.49		ND	3.6	1.8	2	7/29/23 3:12	CMR
Ethanol	5.1	4.0	2.7	L-03	9.6	7.5	5.0	2	7/29/23 3:12	CMR
Ethyl Acetate	ND	1.0	0.29		ND	3.6	1.0	2	7/29/23 3:12	CMR
Ethylbenzene	0.48	0.10	0.029		2.1	0.43	0.13	2	7/29/23 3:12	CMR
4-Ethyltoluene	0.32	0.10	0.043		1.6	0.49	0.21	2	7/29/23 3:12	CMR
Heptane	0.19	0.10	0.063		0.80	0.41	0.26	2	7/29/23 3:12	CMR
Hexachlorobutadiene	ND	0.10	0.058		ND	1.1	0.61	2	7/29/23 3:12	CMR
Hexane	ND	4.0	1.3		ND	14	4.7	2	7/29/23 3:12	CMR
2-Hexanone (MBK)	0.19	0.10	0.043		0.77	0.41	0.18	2	7/29/23 3:12	CMR
Isopropanol	ND	4.0	1.3	L-03, V-05	ND	9.8	3.1	2	7/29/23 3:12	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.10	0.049		ND	0.36	0.18	2	7/29/23 3:12	CMR
Methylene Chloride	ND	1.0	0.27		ND	3.5	0.93	2	7/29/23 3:12	CMR
4-Methyl-2-pentanone (MIBK)	0.10	0.10	0.053		0.43	0.41	0.22	2	7/29/23 3:12	CMR
Naphthalene	0.84	0.10	0.067	V-35	4.4	0.52	0.35	2	7/29/23 3:12	CMR
Propene	ND	4.0	1.1		ND	6.9	1.9	2	7/29/23 3:12	CMR
Styrene	0.086	0.10	0.054	J	0.37	0.43	0.23	2	7/29/23 3:12	CMR
1,1,2,2-Tetrachloroethane	ND	0.10	0.025		ND	0.69	0.17	2	7/29/23 3:12	CMR

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: 250 Water St, NY, NY
Date Received: 7/19/2023
Field Sample #: 250WATERST-SV1-AS
Sample ID: 23G2605-01
Sample Matrix: Soil Gas
Sampled: 7/18/2023 10:15

Sample Description/Location:
Sub Description/Location:
Canister ID: 2179
Canister Size: 6 liter
Flow Controller ID: 4405
Sample Type: 2 hr

Work Order: 23G2605
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -6
Receipt Vacuum(in Hg): -6.8
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	2.0	0.10	0.037		14	0.68	0.25	2	7/29/23 3:12	CMR
Tetrahydrofuran	ND	1.0	0.21		ND	2.9	0.61	2	7/29/23 3:12	CMR
Toluene	0.90	0.10	0.036		3.4	0.38	0.14	2	7/29/23 3:12	CMR
1,2,4-Trichlorobenzene	ND	0.10	0.054		ND	0.74	0.40	2	7/29/23 3:12	CMR
1,1,1-Trichloroethane	ND	0.10	0.031		ND	0.55	0.17	2	7/29/23 3:12	CMR
1,1,2-Trichloroethane	ND	0.10	0.026		ND	0.55	0.14	2	7/29/23 3:12	CMR
Trichloroethylene	0.23	0.10	0.041		1.3	0.54	0.22	2	7/29/23 3:12	CMR
Trichlorofluoromethane (Freon 11)	0.20	0.40	0.041	J	1.1	2.2	0.23	2	7/29/23 3:12	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.064	0.40	0.022	J	0.49	3.1	0.17	2	7/29/23 3:12	CMR
1,2,4-Trimethylbenzene	2.5	0.10	0.046		12	0.49	0.23	2	7/29/23 3:12	CMR
1,3,5-Trimethylbenzene	0.59	0.10	0.052		2.9	0.49	0.25	2	7/29/23 3:12	CMR
Vinyl Acetate	1.4	2.0	0.36	J	5.1	7.0	1.3	2	7/29/23 3:12	CMR
Vinyl Chloride	ND	0.10	0.046		ND	0.26	0.12	2	7/29/23 3:12	CMR
m&p-Xylene	2.4	0.20	0.070		10	0.87	0.30	2	7/29/23 3:12	CMR
o-Xylene	1.4	0.10	0.037		6.3	0.43	0.16	2	7/29/23 3:12	CMR

Surrogates	% Recovery	% REC Limits		
4-Bromofluorobenzene (1)	105	70-130	7/29/23 3:12	

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

EPA TO-15

Laboratory:	Pace New England	Work Order:	23G2605
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B AIR - CO 147098
Matrix:	Air	Preparation:	TO-15 Prep
Batch:	B347528	Laboratory ID:	B347528-BS1
Column:		Initial/Final:	400 mL / 400 mL

ANALYTE	SPIKE ADDED (ppbv)	LCS CONCENTRATION (ppbv)	LCS % REC.		QC LIMITS REC.
Acetone	5.00	3.14	62.8	*	70 - 130
Benzene	5.00	4.19	83.7		70 - 130
Benzyl chloride	5.00	4.59	91.8		70 - 130
Bromodichloromethane	5.00	4.00	79.9		70 - 130
Bromoform	5.00	4.53	90.6		70 - 130
Bromomethane	5.00	3.55	71.1		70 - 130
1,3-Butadiene	5.00	3.48	69.7	*	70 - 130
2-Butanone (MEK)	5.00	4.19	83.8		70 - 130
Carbon Disulfide	5.00	4.46	89.2		70 - 130
Carbon Tetrachloride	5.00	4.21	84.3		70 - 130
Chlorobenzene	5.00	4.20	84.1		70 - 130
Chloroethane	5.00	3.32	66.3	*	70 - 130
Chloroform	5.00	4.29	85.8		70 - 130
Chloromethane	5.00	3.67	73.4		70 - 130
Cyclohexane	5.00	4.76	95.3		70 - 130
Dibromochloromethane	5.00	4.33	86.6		70 - 130
1,2-Dibromoethane (EDB)	5.00	4.15	83.0		70 - 130
1,2-Dichlorobenzene	5.00	4.32	86.3		70 - 130
1,3-Dichlorobenzene	5.00	4.62	92.3		70 - 130
1,4-Dichlorobenzene	5.00	4.54	90.8		70 - 130
Dichlorodifluoromethane (Freon 12)	5.00	4.51	90.3		70 - 130
1,1-Dichloroethane	5.00	4.16	83.2		70 - 130
1,2-Dichloroethane	5.00	4.11	82.2		70 - 130
1,1-Dichloroethylene	5.00	3.98	79.7		70 - 130
cis-1,2-Dichloroethylene	5.00	4.13	82.6		70 - 130
trans-1,2-Dichloroethylene	5.00	4.28	85.5		70 - 130
1,2-Dichloropropane	5.00	4.07	81.5		70 - 130
cis-1,3-Dichloropropene	5.00	4.22	84.4		70 - 130
trans-1,3-Dichloropropene	5.00	4.32	86.4		70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	5.00	3.72	74.4		70 - 130
1,4-Dioxane	5.00	4.15	83.0		70 - 130
Ethanol	5.00	2.98	59.6	*	70 - 130
Ethyl Acetate	5.00	3.76	75.2		70 - 130
Ethylbenzene	5.00	4.45	88.9		70 - 130
4-Ethyltoluene	5.00	4.89	97.8		70 - 130
Heptane	5.00	4.54	90.9		70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

EPA TO-15

Laboratory:	Pace New England	Work Order:	23G2605
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B AIR - CO 147098
Matrix:	Air	Preparation:	TO-15 Prep
Batch:	B347528	Laboratory ID:	B347528-BS1
Column:		Initial/Final:	400 mL / 400 mL

ANALYTE	SPIKE ADDED (ppbv)	LCS CONCENTRATION (ppbv)	LCS % REC.		QC LIMITS REC.
Hexachlorobutadiene	4.25	4.74	111		70 - 130
Hexane	5.00	4.19	83.8		70 - 130
2-Hexanone (MBK)	5.00	4.28	85.6		70 - 130
Isopropanol	5.00	2.44	48.8	*	70 - 130
Methyl tert-Butyl Ether (MTBE)	5.00	4.27	85.4		70 - 130
Methylene Chloride	5.00	4.18	83.5		70 - 130
4-Methyl-2-pentanone (MIBK)	5.00	4.55	90.9		70 - 130
Naphthalene	3.68	4.62	126		70 - 130
Propene	5.00	4.68	93.7		70 - 130
Styrene	5.00	4.52	90.4		70 - 130
1,1,2,2-Tetrachloroethane	5.00	4.20	83.9		70 - 130
Tetrachloroethylene	5.00	4.25	85.0		70 - 130
Tetrahydrofuran	5.00	4.62	92.4		70 - 130
Toluene	5.00	4.50	89.9		70 - 130
1,2,4-Trichlorobenzene	3.90	4.82	124		70 - 130
1,1,1-Trichloroethane	5.00	3.99	79.9		70 - 130
1,1,2-Trichloroethane	5.00	4.37	87.4		70 - 130
Trichloroethylene	5.00	4.22	84.4		70 - 130
Trichlorofluoromethane (Freon 11)	5.00	3.55	71.0		70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5.00	4.14	82.7		70 - 130
1,2,4-Trimethylbenzene	5.00	4.72	94.3		70 - 130
1,3,5-Trimethylbenzene	5.00	4.82	96.3		70 - 130
Vinyl Acetate	5.00	4.40	88.1		70 - 130
Vinyl Chloride	5.00	3.61	72.1		70 - 130
m&p-Xylene	10.0	9.47	94.7		70 - 130
o-Xylene	5.00	4.69	93.7		70 - 130

Data File : C:\msdchem\1\data\G070523\G23A186044.D Vial: 4
Acq On : 6 Jul 2023 3:23 pm Operator: CMR
Sample : 5.0 PPBV ICV Inst : SYSG
Misc : CTWS-4061-2056 07/09- 15PSIG Multiplr: 1.00
Quant Time: Jul 07 13:48:18 2023

Quant Method : C:\msdchem\1\methods\G070523.m
Quant Title : New Column Method G021015
QLast Update : Fri Jul 07 13:46:47 2023
Response via : Initial Calibration
DataAcq Meth:GRUN042419.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
55		STYRENE	5.000	4.371	12.6	0	0.00
56		O-XYLENE	5.000	4.353	12.9	0	0.00
57		1,1,2,2-TETRACHLOROETHANE	5.000	3.897	22.1	0	0.00
58	S	4-BROMOFLUOROBENZENE (1)	8.000	8.174	-2.2	0	0.00
59		4-ETHYLTOLUENE	5.000	4.647	7.1	0	0.00
60		1,3,5-TRIMETHYLBENZENE	5.000	4.435	11.3	0	0.00
61		1,2,4-TRIMETHYLBENZENE	5.000	4.440	11.2	0	0.00
62		1,3-DICHLOROBENZENE	5.000	4.213	15.7	0	0.00
63		BENZYL CHLORIDE	5.000	4.520	9.6	0	0.00
64		1,4-DICHLOROBENZENE	5.000	4.235	15.3	0	0.00
65		1,2-DICHLOROBENZENE	5.000	4.150	17.0	0	0.00
66		1,2,4-TRICHLOROBENZENE	3.905	4.748	-21.6	0	0.00
67		NAPHTHALENE	3.685	4.941	-34.1#	0	0.00
68		HEXACHLOROBUTADIENE	4.250	3.519	17.2	0	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

EPA TO-15

Laboratory:	Pace New England	Work Order:	23G2605
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B AIR - CO 147098
Instrument ID:	SYSG	Calibration:	2300826
Lab File ID:	G23A209004.D	Calibration Date:	07/05/23 00:00
Sequence:	S091254	Injection Date:	07/28/23
Lab Sample ID:	S091254-CCV1	Injection Time:	13:15

		CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetone	A	5.00	3.40	1.125815	0.7649388		-32.1	30	*
Benzene	A	5.00	4.14	0.9226103	0.7638287		-17.2	30	
Benzyl chloride	A	5.00	4.19	0.8789977	0.7366789		-16.2	30	
Bromodichloromethane	A	5.00	4.03	0.7159116	0.5766621		-19.5	30	
Bromoform	A	5.00	4.23	0.5954845	0.5042775		-15.3	30	
Bromomethane	A	5.00	3.67	0.6413025	0.4703748		-26.7	30	
1,3-Butadiene	A	5.00	3.64	0.5434474	0.3961741		-27.1	30	
2-Butanone (MEK)	A	5.00	4.11	1.502041	1.23447		-17.8	30	
Carbon Disulfide	A	5.00	4.28	2.120006	1.81589		-14.3	30	
Carbon Tetrachloride	A	5.00	4.12	0.6193272	0.5104248		-17.6	30	
Chlorobenzene	A	5.00	4.15	0.8649336	0.7180386		-17.0	30	
Chloroethane	A	5.00	3.37	0.3701815	0.2493122		-32.7	30	*
Chloroform	A	5.00	4.27	1.647573	1.407869		-14.5	30	
Chloromethane	A	5.00	3.84	0.7145778	0.5486939		-23.2	30	
Cyclohexane	A	5.00	4.63	0.3329876	0.3081783		-7.5	30	
Dibromochloromethane	A	5.00	4.20	0.6842601	0.575205		-15.9	30	
1,2-Dibromoethane (EDB)	A	5.00	4.19	0.5876952	0.4922757		-16.2	30	
1,2-Dichlorobenzene	A	5.00	3.87	0.6526836	0.5056725		-22.5	30	
1,3-Dichlorobenzene	A	5.00	4.27	0.7212869	0.6155194		-14.7	30	
1,4-Dichlorobenzene	A	5.00	4.14	0.6956251	0.5755335		-17.3	30	
Dichlorodifluoromethane (Freon 12)	A	5.00	4.68	1.716028	1.606359		-6.4	30	
1,1-Dichloroethane	A	5.00	4.10	1.500335	1.23101		-18.0	30	
1,2-Dichloroethane	A	5.00	4.08	1.078756	0.8804852		-18.4	30	
1,1-Dichloroethylene	A	5.00	4.02	1.250561	1.004495		-19.7	30	
cis-1,2-Dichloroethylene	A	5.00	4.14	1.009561	0.8352557		-17.3	30	
trans-1,2-Dichloroethylene	A	5.00	4.14	1.069027	0.8853904		-17.2	30	
1,2-Dichloropropane	A	5.00	3.97	0.3721594	0.2953687		-20.6	30	
cis-1,3-Dichloropropene	A	5.00	4.25	0.4827235	0.4103814		-15.0	30	
trans-1,3-Dichloropropene	A	5.00	4.13	0.4259588	0.3516295		-17.4	30	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

EPA TO-15

Laboratory:	Pace New England	Work Order:	23G2605
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Street P-site CAT B AIR - CO 147098
Instrument ID:	SYSG	Calibration:	2300826
Lab File ID:	G23A209004.D	Calibration Date:	07/05/23 00:00
Sequence:	S091254	Injection Date:	07/28/23
Lab Sample ID:	S091254-CCV1	Injection Time:	13:15

		CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	A	5.00	4.08	1.80713	1.474226		-18.4	30	
1,4-Dioxane	A	5.00	4.01	0.1638845	0.1313868		-19.8	30	
Ethanol	A	5.00	3.52	0.1949576	0.1373453		-29.6	30	
Ethyl Acetate	A	5.00	4.15	0.2832662	0.2349172		-17.1	30	
Ethylbenzene	A	5.00	4.41	1.329635	1.173138		-11.8	30	
4-Ethyltoluene	A	5.00	4.47	1.275092	1.140437		-10.6	30	
Heptane	A	5.00	4.35	0.2833363	0.2465409		-13.0	30	
Hexachlorobutadiene	A	5.00	4.23	0.4317752	0.364898		-15.5	30	
Hexane	A	5.00	4.07	0.9930718	0.8085604		-18.6	30	
2-Hexanone (MBK)	A	5.00	4.42	0.6390182	0.5644472		-11.7	30	
Isopropanol	A	5.00	3.00	1.295343	0.7767209		-40.0	30	*
Methyl tert-Butyl Ether (MTBE)	A	5.00	4.16	1.917541	1.594032		-16.9	30	
Methylene Chloride	A	5.00	4.23	0.9220065	0.7799693		-15.4	30	
4-Methyl-2-pentanone (MIBK)	A	5.00	4.42	0.6834393	0.6043317		-11.6	30	
Naphthalene	A	5.00	3.64	0.7252172	0.527523		-27.3	30	
Propene	A	5.00	4.82	0.6048455	0.5825095		-3.7	30	
Styrene	A	5.00	4.53	0.7076325	0.6410793		-9.4	30	
1,1,2,2-Tetrachloroethane	A	5.00	3.99	0.8765764	0.6990142		-20.3	30	
Tetrachloroethylene	A	5.00	4.27	0.4894546	0.4182959		-14.5	30	
Tetrahydrofuran	A	5.00	4.32	0.283701	0.2452028		-13.6	30	
Toluene	A	5.00	4.42	1.057285	0.9346997		-11.6	30	
1,2,4-Trichlorobenzene	A	5.00	3.72	0.3380425	0.2517909		-25.5	30	
1,1,1-Trichloroethane	A	5.00	4.15	0.6255886	0.5194694		-17.0	30	
1,1,2-Trichloroethane	A	5.00	4.34	0.3917499	0.3403598		-13.1	30	
Trichloroethylene	A	5.00	4.21	0.3945447	0.3319645		-15.9	30	
Trichlorofluoromethane (Freon 11)	A	5.00	3.73	1.641298	1.225695		-25.3	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	5.00	4.24	1.54863	1.311962		-15.3	30	
1,2,4-Trimethylbenzene	A	5.00	4.50	1.014114	0.9132606		-9.9	30	

Data Usability Summary Report

Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

250 Water St., Manhattan, NY
Pace/Con-Test Analytical Laboratory SDG#23G2800
December 15, 2023
Sampling date: 7/13, 14, 17/2023

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for TRC Engineers, Inc., project located at 250 Water St., Manhattan, NY, SDG#23G2800 submitted to Vali-Data of WNY, LLC on October 10, 2023. This DUSR has been prepared in general compliance with USEPA National Functional Guidelines(NFG) and NYSDEC Analytical Services Protocols. The laboratory performed the analysis using NIOSH method 6009 (Hg).

ID	Sample ID	Laboratory ID
1	250WATERST-SV4-AS	23G2800-01
2	250WATERST-SV6-AS	23G2800-02
3	250WATERST-SV5-AS	23G2800-03
4	250WATERST-SV2-AS	23G2800-04
5	250WATERST-BL1-AS	23G2800-05
6	250WATERST-BL2-AS	23G2800-06

METALS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Blanks
-Laboratory Control Sample
-MS/MSD/Duplicate
-Field Duplicate
-Serial Dilution
-Compound Quantitation
-Calibration
-Canister Certification Blank

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All criteria were met.

BLANKS
All criteria were met.

LABORATORY CONTROL SAMPLE
All criteria were met.

MS/MSD/DUPLICATE
No MS/MSD/Duplicate was acquired.

FIELD DUPLICATE
No field duplicate was acquired.

SERIAL DILUTION
No serial dilution was performed.

COMPOUND QUANTITATION
All criteria were met.

CALIBRATION
All criteria were met.

CANISTER CERTIFICATION BLANKS
All criteria were met.

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

REVISED 7/26/23: Report revised to include J-flagged values to the MDL.

NIOSH 6009

Reported results for air samples are calculated based on client sampling and sampling information provided by the laboratory.

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Raymond J. McCarthy
Project Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: 250 Water St., New York, NY.
Date Received: 7/19/2023
Field Sample #: 250WATERST-SV4-AS
Sample ID: 23G2800-01
Sample Matrix: Air
Sampled: 7/13/2023 10:15

Sample Description/Location:
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 24

Work Order: 23G2800

NIOSH 6009

Analyte	Total µg Results	Total µg RL	Total µg MDL	Flag/Qual	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Dilution	Date/Time Analyzed	Analyst
Mercury	ND	0.010	0.0031		ND	0.42	0.13	1	7/26/23 15:21	AAJ

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ANALYTICAL RESULTS

Project Location: 250 Water St., New York, NY.
Date Received: 7/19/2023
Field Sample #: 250WATERST-SV6-AS
Sample ID: 23G2800-02
Sample Matrix: Air
Sampled: 7/13/2023 12:15

Sample Description/Location:
Sub Description/Location:

Flow Controller ID:
Sample Type:
Air Volume L: 24

Work Order: 23G2800

NIOSH 6009

Analyte	Total µg Results	RL	MDL	Flag/Qual	ug/m3 Results	RL	MDL	Dilution	Date/Time Analyzed	Analyst
Mercury	ND	0.010	0.0031		ND	0.42	0.13	1	7/26/23 15:23	AAJ

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ANALYTICAL RESULTS

Project Location: 250 Water St., New York, NY.
Date Received: 7/19/2023
Field Sample #: 250WATERST-SV5-AS
Sample ID: 23G2800-03
Sample Matrix: Air
Sampled: 7/13/2023 12:35

Sample Description/Location:
Sub Description/Location:

Flow Controller ID:
Sample Type:
Air Volume L: 24

Work Order: 23G2800

NIOSH 6009

Analyte	Total µg Results	RL	MDL	Flag/Qual	ug/m3 Results	RL	MDL	Dilution	Date/Time Analyzed	Analyst
Mercury	ND	0.010	0.0031		ND	0.42	0.13	1	7/26/23 15:25	AAJ

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: 250 Water St., New York, NY.
Date Received: 7/19/2023
Field Sample #: 250WATERST-SV2-AS
Sample ID: 23G2800-04
Sample Matrix: Air
Sampled: 7/13/2023 14:45

Sample Description/Location:
Sub Description/Location:

Flow Controller ID:
Sample Type:
Air Volume L: 24

Work Order: 23G2800

NIOSH 6009

Analyte	Total µg Results	RL	MDL	Flag/Qual	ug/m3 Results	RL	MDL	Dilution	Date/Time Analyzed	Analyst
Mercury	ND	0.010	0.0031		ND	0.42	0.13	1	7/26/23 15:27	AAJ

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ANALYTICAL RESULTS

Project Location: 250 Water St., New York, NY.
Date Received: 7/19/2023
Field Sample #: 250WATERST-BL1-AS
Sample ID: 23G2800-05
Sample Matrix: Field Blank
Sampled: 7/13/2023 13:00

Sample Description/Location:
Sub Description/Location:
Flow Controller ID:
Sample Type:

Work Order: 23G2800

NIOSH 6009

Analyte	Total µg Results	Total µg RL	Total µg MDL	Flag/Qual	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Dilution	Date/Time Analyzed	Analyst
Mercury	ND	0.010	0.0031				3.1	1	7/26/23 15:33	AAJ

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: 250 Water St., New York, NY.
Date Received: 7/19/2023
Field Sample #: 250WATERST-BL2-AS
Sample ID: 23G2800-06
Sample Matrix: Field Blank
Sampled: 7/13/2023 15:00

Sample Description/Location:
Sub Description/Location:
Flow Controller ID:
Sample Type:

Work Order: 23G2800

NIOSH 6009

Analyte	Total µg Results	Total µg RL	Total µg MDL	Flag/Qual	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Dilution	Date/Time Analyzed	Analyst
Mercury	ND	0.010	0.0031				3.1	1	7/26/23 15:35	AAJ

Data Usability Summary Report

Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

250 Water St., Manhattan, NY
Pace/Con-Test Analytical Laboratory SDG#23G2802
December 15, 2023
Sampling date: 7/18/2023

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for TRC Engineers, Inc., project located at 250 Water St., Manhattan, NY, SDG#23G2802 submitted to Vali-Data of WNY, LLC on October 10, 2023. This DUSR has been prepared in general compliance with USEPA National Functional Guidelines(NFG) and NYSDEC Analytical Services Protocols. The laboratory performed the analysis using NIOSH method 6009 (Hg).

ID	Sample ID	Laboratory ID
1	250WATERST-SV1-AS	23G2802-01
2	250WATERST-BL3-AS	23G2802-02
3	250WATERST-BL4-AS	23G2802-03

METALS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Blanks
-Laboratory Control Sample
-MS/MSD/Duplicate
-Field Duplicate
-Serial Dilution
-Compound Quantitation
-Calibration
-Canister Certification Blank

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All criteria were met.

BLANKS
All criteria were met.

LABORATORY CONTROL SAMPLE
All criteria were met.

MS/MSD/DUPLICATE
No MS/MSD/Duplicate was acquired.

FIELD DUPLICATE
No field duplicate was acquired.

SERIAL DILUTION
No serial dilution was performed.

COMPOUND QUANTITATION
All criteria were met.

CALIBRATION
All criteria were met.

CANISTER CERTIFICATION BLANKS
All criteria were met.

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

REVISED 7/26/23: Report revised to include J-flagged values to the MDL.

NIOSH 6009

Reported results for air samples are calculated based on client sampling and sampling information provided by the laboratory.

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Raymond J. McCarthy
Project Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: 250 Water St., New York, NY
Date Received: 7/19/2023
Field Sample #: 250WATERST-SV1-AS
Sample ID: 23G2802-01
Sample Matrix: Air
Sampled: 7/18/2023 10:15

Sample Description/Location:
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 24

Work Order: 23G2802

NIOSH 6009

	Total µg				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Mercury	ND	0.010	0.0031		ND	0.42	0.13	1	7/26/23 15:37	AAJ

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ANALYTICAL RESULTS

Project Location: 250 Water St., New York, NY
Date Received: 7/19/2023
Field Sample #: 250WATERST-BL3-AS
Sample ID: 23G2802-02
Sample Matrix: Field Blank
Sampled: 7/18/2023 00:00

Sample Description/Location:
Sub Description/Location:
Flow Controller ID:
Sample Type:

Work Order: 23G2802

NIOSH 6009

Analyte	Total µg Results	RL	MDL	Flag/Qual	ug/m3 Results	RL	MDL	Dilution	Date/Time Analyzed	Analyst
Mercury	ND	0.010	0.0031				3.1	1	7/26/23 15:38	AAJ

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: 250 Water St., New York, NY
Date Received: 7/19/2023
Field Sample #: 250WATERST-BL4-AS
Sample ID: 23G2802-03
Sample Matrix: Field Blank
Sampled: 7/18/2023 00:00

Sample Description/Location:
Sub Description/Location:
Flow Controller ID:
Sample Type:

Work Order: 23G2802

NIOSH 6009

Analyte	Total µg Results	Total µg RL	Total µg MDL	Flag/Qual	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Dilution	Date/Time Analyzed	Analyst
Mercury	ND	0.010	0.0031				3.1	1	7/26/23 15:40	AAJ

Data Usability Summary Report

Vali-Data of WNY, LLC
89 Morningside Dr.
Grand Island, NY 14072

250 Water St., Manhattan, NY
Pace Analytical Services SDG#24L1652
August 7, 2025
Revised: August 18, 2025
Sampling date: 12/17/2024

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
89 Morningside Dr.
Grand Island, NY 14072

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package (revised August 18, 2025) for TRC Engineers, Inc., project located at 250 Water St., Manhattan, NY, SDG#24L1652 submitted to Vali-Data of WNY, LLC on June 3, 2025. his DUSR has been prepared in general compliance with USEPA National Functional Guidelines(NFG), NYSDEC; 'Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS)' (4/2023) and NYSDEC Analytical Services Protocols. The laboratory performed the analyses using USEPA method Volatile Organics (8260D), Semi-Volatile Organics (8270E), Perfluorinated Hydrocarbons (1633 (12/2022)), Pesticide (8081B), PCB (8082A), Inorganics/Mercury (6010D, 7470A, 7471B) and in accordance with wet chemistry methods.

ID	Sample ID	Laboratory ID
1	250WATERST-SB102-SO-(0-2)	24L1652-01
2	250WATERST-SB102-SO-(2-4)	24L1652-02
3	250WATERST-SB102-SO-(4-6)	24L1652-03
4	250WATERST-SB102-SO-(6-8)	24L1652-04
5	250WATERST-SB102-SO-(8-10)	24L1652-05
6	250WATERST-SB102-SO-(10-12)	24L1652-06
7	250WATERST-SB102-SO-(12-14)	24L1652-07
8	250WATERST-SB104-SO-(0-2)	24L1652-08
9	250WATERST-SB104-SO-(2-4)	24L1652-09
10	250WATERST-SB104-SO-(4-6)	24L1652-10
11	250WATERST-SB104-SO-(6-8)	24L1652-11
12	250WATERST-SB104-SO-(8-10)	24L1652-12
13	250WATERST-SB104-SO-(10-12)	24L1652-13
14	250WATERST-SB104-SO-(12-14)	24L1652-14
15	250WATERST-SB104-SO-(14-16)	24L1652-15
16	250WATERST-SB106-SO-(0-2)	24L1652-16
17	250WATERST-SB106-SO-(2-4)	24L1652-17
18	250WATERST-SB106-SO-(4-6)	24L1652-18
19	250WATERST-SB106-SO-(6-8)	24L1652-19
20	250WATERST-SB106-SO-(8-10)	24L1652-20
21	250WATERST-SB106-SO-(10-12)	24L1652-21
22	250WATERST-SB106-SO-(12-14)	24L1652-22
23	250WATERST-SB106-SO-(14-16)	24L1652-23
24	250WATERST-FB-20241217	24L1652-24
25	250WATERST-DUP-1-20241217	24L1652-25
26	250WATERST-DUP-2-20241217	24L1652-26
27	Trip Blank	24L1652-27

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Internal Standard (IS) Area Performance
-Surrogate Spike Recoveries
-Method Blank
-Field Duplicate Sample Precision
-Laboratory Control Samples
-MS/MSD
-Compound Quantitation
-Initial Calibration
-Continuing Calibration
-GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Laboratory Control Samples, Initial Calibration and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met except a target analyte was outside QC limits in the laboratory control samples and should be qualified as estimated.

LCS/LCSD ID	Target Analyte	%Rec LCS	%Rec LCSD	RPD	Qualifier	Associated Sample
B395678	Carbon disulfide	138	-	35.0	UJ	2, 5, 9, 13, 17, 21, 25

The %Rec of some target analytes was outside QC limits, high in the laboratory control samples. Those target analytes were not detected in the associated samples, so no further action is required.

MS/MSD
No MS/MSD was acquired for this analysis.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met except several target analytes were outside QC limit in the initial calibrations and/or the initial calibration verifications and should be qualified as estimated in the associated samples, blanks and spikes.

ICal/ICV ID	Target Analyte	%D/RRF	Qualifier	Associated Sample
ICal GCMSVOA5	Bromodichloromethane	RRF	UJ/J	B395411, B395408, 24, 27
ICal GCMSVOA5	1,1,2-Trichloroethane	RRF	UJ/J	B395411, B395408, 24, 27
ICV GCMSVOA7	Bromomethane	-52.8	UJ/J	B395678, 2, 5, 9, 13, 17, 21, 25
ICV GCMSVOA7	Carbon disulfide	30.7	UJ/J	B395678, 2, 5, 9, 13, 17, 21, 25
ICV GCMSVOA7	Chloromethane	34.7	UJ/J	B395678, 2, 5, 9, 13, 17, 21, 25
ICV GCMSVOA7	Dichlorodifluoromethane	103	UJ/J	B395678, 2, 5, 9, 13, 17, 21, 25

ICal/ICV ID	Target Analyte	%D/RRF	Qualifier	Associated Sample
ICV GCMSVOA7	Vinyl chloride	26.0	UJ/J	B395678, 2, 5, 9, 13, 17, 21, 25

CONTINUING CALIBRATION
All criteria were met except a couple of target analytes were outside QC limits in the continuing calibrations and should be qualified as estimated in the associated samples, blanks and spikes.

Ccal ID	Target Analyte	%D/RRF	Qualifier	Associated Sample
S116081-CCV1	Methyl acetate	43.5	UJ/J	B395678, 2, 5, 9, 13, 17, 21, 25
S116133-CCV1	1,1,2-Trichloroethane	RRF	UJ/J	B395408, 24

Some target analytes were outside laboratory QC limits but within NFG QC limits, so no further action is required.

GC/MS PERFORMANCE CHECK
All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Holding Times, Surrogate Spike Recoveries, Method Blank, Laboratory Control Samples, MS/MSD, Initial Calibration and Continuing Calibration.

Sample: DUSR ID#5 was diluted due to high target analyte concentrations.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met except DUSR ID#24RE was extracted past hold time. All target analytes detected in this sample should be qualified as estimated low and target analytes not detected should be qualified as unusable.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of 2,4,6-Tribromophenol was outside QC limits, low in DUSR ID#25. The following target analytes should be qualified as estimated in this sample.

2,4,6-Trichlorophenol	2,4-Dinitrophenol	4,6-Dinitro-2-methylphenol
2,4,5-Trichlorophenol	4-Nitrophenol	Pentachlorophenol
2,3,4,6-Tetrachlorophenol		

The %Rec of 2-Fluorophenol was outside QC limits, low in DUSR ID#13. The following target analytes should be qualified as estimated in this sample.

Phenol	2-Chlorophenol

METHOD BLANK
All the criteria were met except several TICs were detected in a method blank and should be qualified in the associated samples in which they were detected.

Blank ID	TIC	Concentration(mg/kg)	Qualifier	Associated Sample
B395657	Furan, 2,5-dimethyl	4.8	U	2, 5, 9, 13, 17, 21
B395657	Heptane, 2,3-dimethyl	.69	U	2, 5, 9, 17, 21
B395657	Heptane, 2,4-dimethyl	.37	U	2, 9, 13, 21
B395657	Heptane, 2,5-dimethyl	1.0	U	2, 5, 9, 13, 17

FIELD DUPLICATE SAMPLE PRECISION

All the criteria were met except Bis(2-ethylhexyl)phthalate was detected in DUSR ID#17 but was not detected in #25.

LABORATORY CONTROL SAMPLES

All criteria were met except several target analytes were outside QC limits in the laboratory control samples and should be qualified as estimated.

LCS ID	Target Analyte	%Rec LCS	%Rec LCSD	RPD	Qualifier	Associated Sample
B395293	Caprolactam	29.8	34.8	-	UJ	24
B395293	2,4-Dinitrophenol	16.7	19.3	-	UJ	24
B395293	Hexachlorobutadiene	22.4	19.5	-	UJ	24
B395293	Hexachlorocyclopentadiene	20.0	19.8	-	UJ	24
B395293	Hexachloroethane	21.8	17.0	-	UJ	24
B395293	1-Methylnaphthalene	36.7	34.2	-	UJ	24
B395293	2-Methylnaphthalene	33.1	31.3	-	UJ	24
B395293	Naphthalene	39.2	31.7	21.2	UJ	24
B395293	1,2,4,5-Tetrachlorobenzene	35.1	37.4	-	UJ	24
B395596	Caprolactam	29.9	28.7	-	UJ	24RE

MS/MSD

All the criteria were met except several target analytes were outside QC limits in the matrix spikes and should be qualified as estimated.

Target Analyte	%Rec #2MS	%Rec #2MSD	RPD	Qualifier	Associated Samples
Aniline	-	33.6	42.6	UJ	2
4-Chloroaniline	-	36.0	38.4	UJ	2
Pyridine	32.6	21.7	-	UJ	2

Some target analytes were outside QC limits in the matrix spike or the matrix spike duplicate but not both, so no further action is required.

COMPOUND QUANTITATION

All criteria were met.

INITIAL CALIBRATION

All criteria were met except several target analytes were outside QC limit in the initial calibrations and/or the initial calibration verifications and should be qualified as estimated in the associated samples, blanks and spikes.

ICal/ICV ID	Target Analyte	%RSD/%D/RRF	Qualifier	Associated Sample
ICal GCMSSV9	Dibenzo(a,h)anthracene	21.3	UJ/J	B395293, B395596, 24, 24RE
ICal GCMSSV9	Indeno(1,2,3-cd)pyrene	20.4	UJ/J	B395293, B395596, 24, 24RE
ICV GCMSSV9	Pyridine	-37.0	UJ/J	B395293, B395596, 24, 24RE
ICV GCMSSV4	2,3,4,6-Tetrachlorophenol	27.7	UJ/J	B395657, 2, 5, 9, 13, 17, 21, 25, 5RE, 2MS/MSD
ICV GCMSSV4	4-Chloroaniline	-45.5	UJ/J	B395657, 2, 5, 9, 13, 17, 21, 25, 5RE, 2MS/MSD
ICV GCMSSV4	Pyridine	-57.8	UJ/J	B395657, 2, 5, 9, 13, 17, 21, 25, 5RE, 2MS/MSD

Alternate forms of regression were used on target analytes in which the %RSD >20% with acceptable results except where qualified above.

Some target analytes were outside laboratory QC limits but within NFG QC limits, so no further action is required.

CONTINUING CALIBRATION

All criteria were met except several target analytes were outside QC limits in the continuing calibrations and should be qualified as estimated in the associated samples, blanks and spikes.

CCal ID	Target Analyte	%D	Qualifier	Associated Sample
S116039-CCV1	Aniline	-21.9	UJ/J	B395293, 24
S116039-CCV1	Hexachlorobutadiene	22.6	UJ/J	B395293, 24
S116091-CCV1	Bis(2-ethylhexyl)phthalate	27.0	UJ/J	B395657, 2, 5, 9, 13, 17, 21, 25, 5RE, 2MS/MSD
S116180-CCV1	Aniline	-30.1	UJ/J	B395596, 24RE

GC/MS PERFORMANCE CHECK

All criteria were met.

PFAA

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS)
- Surrogate Spike Recoveries(EIS)
- Blanks
- Field Duplicate Sample Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Hold Times, Laboratory Control Samples and MS/MSD.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met except DUSR ID#2RE, #5RE, #9RE, #13RE, #17RE, #21RE, #25RE and #2REMS/MSD were extracted outside QC limits. All target analytes in these samples should be qualified as estimated.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.
Some surrogate spike recoveries were outside laboratory QC limits but within NYSDEC QC limits, so no further action is required.

BLANKS
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met except the %Rec of a couple of target analytes was outside QC limits in the laboratory control samples and should be qualified as estimated.

LCS ID	Target Analyte	%Rec	Qualifier	Associated Sample
B396380	FPrPA	67.9	UJ/J	24
B397429	FPrPA	27.0	UJ/J	2RE, 5RE, 9RE, 13RE, 17RE, 21RE, 25RE
B397429	FPePA	69.1	UJ/J	2RE, 5RE, 9RE, 13RE, 17RE, 21RE, 25RE

MS/MSD
All criteria were met except the %Rec of a target analyte was outside QC limits in the matrix spikes and should be qualified as estimated.

Target Analyte	%Rec #2MS	%Rec #2MSD	Qualifier	Associated Sample
3:3FTCA	29.9	35.7	UJ	2

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.

CONTINUING CALIBRATION
All criteria were met.

PESTICIDES

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Laboratory Control Samples and MS/MSD.

Samples: DUSR ID#2 and #5 were diluted due to sample matrix.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.
The %Rec of some surrogates was outside QC limits, high. No target analytes were detected in the associated samples, so no further action is required.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All the criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met except a target analyte was outside QC limits in a laboratory control sample and should be qualified as estimated.

LCS ID	Target Analyte	%Rec LCS	%Rec LCSD	RPD	Qualifier	Associated Sample
B395287	Endrin aldehyde	29.3	-	108	UJ	24

The %Rec of a target analyte was outside QC limits in the laboratory control sample off the confirmatory column. No further action is required.

MS/MSD
All criteria were met except a target analyte was outside QC limits in the matrix spikes and should be qualified as estimated.

Target Analyte	#9MS/MSD RPD	Qualifier	Associated Samples
alpha-BHC	39.3	UJ	9

The %Rec of a target analyte was outside QC limits in the matrix spikes off the confirmatory column. No further action is required.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.

CONTINUING CALIBRATION
All criteria were met.
Some target analytes were outside laboratory QC limits but within NFG limits, so no further action is required.

PCB

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Initial Calibration and Continuing Calibration.

Samples: DUSR ID#2, #5, #9, #13, #17, #21 and #25 were diluted.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All the criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
No MS/MSD was acquired for this analysis.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met except several target analytes were outside QC limits in the initial calibration verifications and should be qualified as estimated in the associated samples, blanks and spikes.

ICV Instrument ID	Target Analyte	%D Column#1	%D Column#2	Qualifier	Associated Sample
ECD10	Aroclor 1016 p3	-20.1	-	UJ/J	B395670, 2, 5, 9, 13, 17, 21, 25, 5MS/MSD
ECD10	Aroclor 1242 p1, 2	various	-29.6(p4)	UJ	B395670-BLK, 2, 5, 9, 13, 17, 21, 25
ECD1	Aroclor 1248 p4	-25.2	-	UJ	B395286-BLK, 24
ECD1	Aroclor 1242 p4, 5	-	various	UJ	B395286-BLK

CONTINUING CALIBRATION
All criteria were met except a couple of target analytes were outside QC limits in the continuing calibrations and should be qualified as estimated in the associated samples, blanks and spikes.

CCal ID	Target Analyte	%D Column#1	%D Column#2	Qualifier	Associated Sample
S116075-CCV6	Aroclor 1221	50.2	40.4	UJ	B395286, 24
S116075-CCV6	Aroclor 1262	48.9	54.9	UJ	B395670, 2, 5, 9, 13, 17, 21, 25
S116309-CCV6	Aroclor 1221	-	-26.8	UJ	B395670-BLK

METALS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Blanks
-Laboratory Control Sample
-MS/MSD/Duplicate
-Field Duplicate
-Serial Dilution
-Compound Quantitation
-Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Holding Times, Blanks, Laboratory Control Samples, MS/MSD/Duplicate, Compound Quantitation and Calibration.

Samples: DUSR ID#2, #5 and #25 were diluted in method 6010D due to high target analyte concentrations.
Samples: DUSR ID#1-7, #25 and #26 were diluted in method 7471B.

DATA COMPLETENESS
All criteria were met except raw data run on 1/4/2025 was not included in the original package. Those pages are attached.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All criteria were met except the reanalysis of DUSR ID#1-7 was outside hold time in method 7471B. All target analytes detected in these samples should be qualified as estimated low and target analytes not detected should be qualified as unusable.

BLANKS
All criteria were met except a few target analytes were detected in the blanks and should be qualified in the associated samples in which they were detected.

Blank ID	Target Analyte	Concentration	Qualifier	Associated Sample
S116297-CCB3	Ag	.0062mg/L	U at RL	25
B396425	Zn	.0092mg/L	JH	24RE
B397187	Cu	3.3mg/kg	JH	2RE, 5RE, 9RE, 13RE, 17RE, 21RE, 25RE

LABORATORY CONTROL SAMPLE
All criteria were met except a target analytes was outside QC limits in the laboratory control samples and should be qualified as estimated.

LCS/LCSD ID	Target Analyte	%Rec LCS	%Rec LCSD	Qualifier	Associated Sample
B395758	Sb	67.6	67.4	UJ	2, 5, 9, 13, 17, 21, 25

MS/MSD/DUPLICATE
All the criteria were met except a target analytes was outside QC limits in the matrix spikes and should be qualified as estimated.

Target Analyte	%RPD #5MS/MSD	Qualifier	Associated Sample
Hg	26.4	J	5

FIELD DUPLICATE
All the criteria were met except Ag was detected in DUSR ID#25 but was not detected in #17.

SERIAL DILUTION
No serial dilution was performed on these samples.

COMPOUND QUANTITATION
All criteria were met except a target analyte was detected in the sample blank and should be qualified in the associated samples in which it was detected.

Blank ID	Target Analyte	Concentration (mg/L)	Qualifier	Associated Sample
24RE	Zn	.013	JH	2RE, 5RE, 9RE, 13RE, 17RE, 21RE, 25RE

CALIBRATION
All criteria were met except the %Rec of several target analytes was outside QC limits in the Low-Concentration Calibration Verification. These target analytes should be qualified as

estimated in the associated samples, blanks and spikes.

Calibration ID	Target Analyte	%D or %Rec	Qualifier	Associated Sample
S116276-LCV1	Sb	-11.6	UJ/J	B395758, 2, 5, 9, 13, 17, 21, 25
S116276-LCV1	Ag	-13.0	UJ/J	B395758, 2, 5, 9, 13, 17, 21, 25
S116276-LCV1	Na	-12.5	UJ/J	B395758, 2, 5, 9, 13, 17, 21, 25
S116276-LCV1	V	12.9	UJ/J	B395758, 2, 5, 9, 13, 17, 21, 25
S116341-LCV1	Al	11.4	UJ/J	B395349, 24
S116341-LCV1	Zn	18.2	UJ/J	B395349, 24
S116341-LCV2	V	17.0	UJ/J	B395349, 24
S116404-LCV1	Cu	16.5	UJ/J	B395349, 24
S116541-LCV1	Tl	19.1	UJ/J	B395758, 2, 5, 9, 13, 17, 21, 25
S116541-LCV1	Zn	17.1	UJ	2, 5, 9, 13, 17, 21, 25
S116671-LCV1	Zn	16.9	J	B396425, 24RE
S116309-LCV2	Zn	16.4	UJ/J	B397187, 2RE, 5RE, 9RE, 13RE, 17RE, 21RE, 25RE, 2REMS/DUP
S116309-LCV3	Cu	17.8	J	B397187, 2RE, 5RE, 9RE, 13RE, 17RE, 21RE, 25RE, 2REMS/DUP

GENERAL CHEMISTRY

The following items/criteria were reviewed for this analytical suite:

- Cyanide
- %Solids

The items listed above were technically in compliance with the method and SOP criteria with any exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below.

CYANIDE
All criteria were met except Cn was extracted past hold time in DUSR ID#2, #5, #9, #13, #17 and #21. There was no sample time recorded for DUSR ID#25. Cyanide should be qualified as estimated in these samples.

%SOLIDS
All criteria were met.

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

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Draft Method 1633

Qualifications:

L-03

Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

3-Perfluoropropyl propanoic acid (FPrPA)(3:3FTCA

24L1652-02RE2[250WATERST-SB102-SO-(2-4)], 24L1652-05RE2[250WATERST-SB102-SO-(8-10)], 24L1652-09RE2[250WATERST-SB104-SO-(2-4)], 24L1652-13RE2[250WATERST-SB104-SO-(10-12)], 24L1652-17RE2[250WATERST-SB106-SO-(2-4)], 24L1652-21RE2[250WATERST-SB106-SO-(10-12)], 24L1652-25RE2[250WATERST-DUP-1-20241217], B397429-BS1, B397429-MRL1

MS-07A

Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.

Analyte & Samples(s) Qualified:

3-Perfluoropropyl propanoic acid (FPrPA)(3:3FTCA

B397429-MS1, B397429-MSD1

PF-17

Extracted Internal Standard recovery is outside of control limits. Data is not significantly affected since associated analyte is not detected and bias is on the high side.

Analyte & Samples(s) Qualified:

13C2-4:2FTS

S117078-CCB2, S117078-CCB3

13C2-6:2FTS

S117078-CCB2, S117078-CCB3, S117078-CCB4, S117078-CCB5

13C2-8:2FTS

S117078-CCB2, S117078-CCB3, S117078-CCB4, S117078-CCB5

1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS

S117078-CCB2, S117078-CCB3, S117078-CCB4, S117078-CCB5

1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS

S117078-CCB2, S117078-CCB3

1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS

S117078-CCB2, S117078-CCB3, S117078-CCB4, S117078-CCB5

D9-NEtFOSE

24L1652-02RE2[250WATERST-SB102-SO-(2-4)]

N-ethylperfluorooctanesulfonamidoethanol (NEtFOS

24L1652-02RE2[250WATERST-SB102-SO-(2-4)]

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

4,8-Dioxa-3H-perfluorononanoic acid (ADONA)

S117078-CCV2, S117078-CCV5

SW-846 6010D

Qualifications:

B

Analyte is found in the associated laboratory blank as well as in the sample.

Analyte & Samples(s) Qualified:

Copper

24L1652-02RE2[250WATERST-SB102-SO-(2-4)], 24L1652-05RE2[250WATERST-SB102-SO-(8-10)], 24L1652-09RE2[250WATERST-SB104-SO-(2-4)], 24L1652-13RE2[250WATERST-SB104-SO-(10-12)], 24L1652-17RE2[250WATERST-SB106-SO-(2-4)], 24L1652-21RE2[250WATERST-SB106-SO-(10-12)], 24L1652-25RE2[250WATERST-DUP-1-20241217], B397187-BLK2, B397187-BS2, B397187-BSD2, B397187-DUP2, B397187-MS2, B397187-PS2

B-07

Data is not affected by elevated level in laboratory blank since sample result is >10x level found in the blank.

Analyte & Samples(s) Qualified:

Copper

24L1652-05RE2[250WATERST-SB102-SO-(8-10)]

DL-03

Elevated reporting limit due to matrix.

Analyte & Samples(s) Qualified:

Thallium
24L1652-25[250WATERST-DUP-1-20241217]

SW-846 7471B

Qualifications:

H-04

Initial analysis within holding time. Reanalysis for the required dilution was past holding time.

Analyte & Samples(s) Qualified:

Mercury
24L1652-01[250WATERST-SB102-SO-(0-2)], 24L1652-02[250WATERST-SB102-SO-(2-4)], 24L1652-03[250WATERST-SB102-SO-(4-6)], 24L1652-04[250WATERST-SB102-SO-(6-8)], 24L1652-05[250WATERST-SB102-SO-(8-10)], 24L1652-06[250WATERST-SB102-SO-(10-12)], 24L1652-07[250WATERST-SB102-SO-(12-14)]

MS-19

Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.

Analyte & Samples(s) Qualified:

Mercury
24L1652-05[250WATERST-SB102-SO-(8-10)], B396673-MS1, B396673-MSD1

R-06

Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.

Analyte & Samples(s) Qualified:

Mercury
B396673-MSD1

SW-846 8081B

Qualifications:

DL-03

Elevated reporting limit due to matrix.

Analyte & Samples(s) Qualified:

24L1652-02[250WATERST-SB102-SO-(2-4)], 24L1652-05[250WATERST-SB102-SO-(8-10)]

L-07A

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD outside of control limits. Reduced precision anticipated for any reported result for this compound.

Analyte & Samples(s) Qualified:

Endrin Aldehyde
B395287-BS1

Endrin Aldehyde [2C]
B395287-BS1

R-05

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:

Endrin Aldehyde
24L1652-24[250WATERST-FB-20241217], B395287-BLK1, B395287-BSD1

Endrin Aldehyde [2C]
24L1652-24[250WATERST-FB-20241217], B395287-BLK1, B395287-BSD1

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R-06

Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.

Analyte & Samples(s) Qualified:

alpha-BHC
24L1652-09[250WATERST-SB104-SO-(2-4)], B395671-MS1, B395671-MSD1

alpha-BHC [2C]
24L1652-09[250WATERST-SB104-SO-(2-4)], B395671-MS1, B395671-MSD1

gamma-BHC (Lindane)
24L1652-09[250WATERST-SB104-SO-(2-4)], B395671-MS1, B395671-MSD1

gamma-BHC (Lindane) [2C]
24L1652-09[250WATERST-SB104-SO-(2-4)], B395671-MS1, B395671-MSD1

S-02

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Analyte & Samples(s) Qualified:

Decachlorobiphenyl
24L1652-05[250WATERST-SB102-SO-(8-10)]

Decachlorobiphenyl [2C]
24L1652-05[250WATERST-SB102-SO-(8-10)]

V-06

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

Analyte & Samples(s) Qualified:

4,4'-DDD [2C]
B395671-MS1, B395671-MSD1

SW-846 8260D

Qualifications:

L-02

Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.

Analyte & Samples(s) Qualified:

Methyl Acetate
B395678-BS1, B395678-BSD1

L-07A

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD outside of control limits. Reduced precision anticipated for any reported result for this compound.

Analyte & Samples(s) Qualified:

Carbon Disulfide
B395678-BS1

R-05

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:

Carbon Disulfide
24L1652-02[250WATERST-SB102-SO-(2-4)], 24L1652-05[250WATERST-SB102-SO-(8-10)], 24L1652-09[250WATERST-SB104-SO-(2-4)], 24L1652-13[250WATERST-SB104-SO-(10-12)], 24L1652-17[250WATERST-SB106-SO-(2-4)], 24L1652-21[250WATERST-SB106-SO-(10-12)], 24L1652-25[250WATERST-DUP-1-20241217], B395678-BLK1, B395678-BS1, B395678-BSD1

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

2-Butanone (MEK)
24L1652-24[250WATERST-FB-20241217], B395408-BLK1, B395408-BS1, B395408-BSD1, S116133-CCV1

Acetone
24L1652-24[250WATERST-FB-20241217], B395408-BLK1, B395408-BS1, B395408-BSD1, S116133-CCV1

Bromomethane
24L1652-27[Trip Blank], B395411-BLK1, B395411-BS1, B395411-BSD1, S116123-CCV1

Chloromethane
24L1652-27[Trip Blank], B395411-BLK1, B395411-BS1, B395411-BSD1, S116123-CCV1

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V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

1,2,3-Trichlorobenzene

B395411-BS1, B395411-BSD1, S116123-CCV1

Bromoform

B395411-BS1, B395411-BSD1, S116123-CCV1

Methyl Acetate

B395678-BS1, B395678-BSD1, S116081-CCV1

V-34

Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

Bromomethane

24L1652-02[250WATERST-SB102-SO-(2-4)], 24L1652-05[250WATERST-SB102-SO-(8-10)], 24L1652-09[250WATERST-SB104-SO-(2-4)], 24L1652-13[250WATERST-SB104-SO-(10-12)], 24L1652-17[250WATERST-SB106-SO-(2-4)], 24L1652-21[250WATERST-SB106-SO-(10-12)], 24L1652-25[250WATERST-DUP-1-20241217], B395678-BLK1, B395678-BS1, B395678-BSD1, S116081-CCV1

V-36

Initial calibration verification (ICV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

Carbon Disulfide

B395678-BS1, B395678-BSD1, S116081-CCV1

Dichlorodifluoromethane (Freon 12)

B395678-BS1, B395678-BSD1, S116081-CCV1

Methyl Acetate

B395678-BS1, B395678-BSD1, S116081-CCV1

SW-846 8270E

Qualifications:

B

Analyte is found in the associated laboratory blank as well as in the sample.

Analyte & Samples(s) Qualified:

3-Penten-2-one, 4-methyl-

24L1652-21[250WATERST-SB106-SO-(10-12)], 24L1652-25[250WATERST-DUP-1-20241217]

Furan, 2,5-dimethyl-

24L1652-02[250WATERST-SB102-SO-(2-4)], 24L1652-05[250WATERST-SB102-SO-(8-10)], 24L1652-09[250WATERST-SB104-SO-(2-4)], 24L1652-13[250WATERST-SB104-SO-(10-12)], 24L1652-17[250WATERST-SB106-SO-(2-4)], 24L1652-21[250WATERST-SB106-SO-(10-12)], 24L1652-25[250WATERST-DUP-1-20241217]

Heptane, 2,3-dimethyl-

24L1652-02[250WATERST-SB102-SO-(2-4)], 24L1652-05[250WATERST-SB102-SO-(8-10)], 24L1652-09[250WATERST-SB104-SO-(2-4)], 24L1652-17[250WATERST-SB106-SO-(2-4)], 24L1652-21[250WATERST-SB106-SO-(10-12)], 24L1652-25[250WATERST-DUP-1-20241217]

Heptane, 2,4-dimethyl-

24L1652-02[250WATERST-SB102-SO-(2-4)], 24L1652-09[250WATERST-SB104-SO-(2-4)], 24L1652-13[250WATERST-SB104-SO-(10-12)], 24L1652-21[250WATERST-SB106-SO-(10-12)], 24L1652-25[250WATERST-DUP-1-20241217]

Heptane, 2,5-dimethyl-

24L1652-02[250WATERST-SB102-SO-(2-4)], 24L1652-05[250WATERST-SB102-SO-(8-10)], 24L1652-09[250WATERST-SB104-SO-(2-4)], 24L1652-13[250WATERST-SB104-SO-(10-12)], 24L1652-17[250WATERST-SB106-SO-(2-4)]

Hexane, 2,3,5-trimethyl-

24L1652-21[250WATERST-SB106-SO-(10-12)], 24L1652-25[250WATERST-DUP-1-20241217]

H-06

Sample was extracted past the recommended holding time.

Analyte & Samples(s) Qualified:

24L1652-24RE1[250WATERST-FB-20241217]

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L-04

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

1,2,4,5-Tetrachlorobenzene
24L1652-24[250WATERST-FB-20241217], B395293-BLK1, B395293-BS1, B395293-BSD1

1-Methylnaphthalene
24L1652-24[250WATERST-FB-20241217], B395293-BLK1, B395293-BS1, B395293-BSD1

2,4-Dinitrophenol
24L1652-24[250WATERST-FB-20241217], B395293-BLK1, B395293-BS1, B395293-BSD1

2-Chloronaphthalene
24L1652-24[250WATERST-FB-20241217], B395293-BLK1, B395293-BS1, B395293-BSD1

2-Methylnaphthalene
24L1652-24[250WATERST-FB-20241217], B395293-BLK1, B395293-BS1, B395293-BSD1

Caprolactam
24L1652-24[250WATERST-FB-20241217], 24L1652-24RE1[250WATERST-FB-20241217], B395293-BLK1, B395293-BS1, B395293-BSD1, B395596-BLK1, B395596-BS1, B395596-BSD1

Hexachlorobutadiene
24L1652-24[250WATERST-FB-20241217], B395293-BLK1, B395293-BS1, B395293-BSD1

Hexachlorocyclopentadiene
24L1652-24[250WATERST-FB-20241217], B395293-BLK1, B395293-BS1, B395293-BSD1

Hexachloroethane
24L1652-24[250WATERST-FB-20241217], B395293-BLK1, B395293-BS1, B395293-BSD1

Naphthalene
24L1652-24[250WATERST-FB-20241217], B395293-BLK1, B395293-BS1, B395293-BSD1

MS-09

Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

Analyte & Samples(s) Qualified:

Pyridine
B395657-MS1, B395657-MSD1

MS-22

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.

Analyte & Samples(s) Qualified:

Benzo(b)fluoranthene
B395657-MS1

Chrysene
B395657-MS1

MS-23

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is outside of the method specified criteria. Reduced precision anticipated for any reported result for this compound.

Analyte & Samples(s) Qualified:

4-Chloroaniline
B395657-MS1, B395657-MSD1

Aniline
B395657-MS1, B395657-MSD1

R-05

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:

Naphthalene
24L1652-24[250WATERST-FB-20241217], B395293-BLK1, B395293-BS1, B395293-BSD1

S-07

One associated surrogate standard recovery is outside of control limits but the other(s) is/are within limits. All recoveries are > 10%.

Analyte & Samples(s) Qualified:

2,4,6-Tribromophenol
24L1652-25[250WATERST-DUP-1-20241217]

2-Fluorophenol
24L1652-13[250WATERST-SB104-SO-(10-12)]

V-04

Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Reported result is estimated.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol

24L1652-02[250WATERST-SB102-SO-(2-4)], 24L1652-05[250WATERST-SB102-SO-(8-10)], 24L1652-09[250WATERST-SB104-SO-(2-4)], 24L1652-13[250WATERST-SB104-SO-(10-12)], 24L1652-17[250WATERST-SB106-SO-(2-4)], 24L1652-21[250WATERST-SB106-SO-(10-12)], 24L1652-24[250WATERST-FB-20241217], 24L1652-24RE1[250WATERST-FB-20241217], 24L1652-25[250WATERST-DUP-1-20241217], B395293-BLK1, B395293-BS1, B395293-BSD1, B395596-BLK1, B395596-BS1, B395596-BSD1, B395657-BLK1, B395657-BS1, B395657-BSD1, B395657-MS1, B395657-MSD1, S116039-CCV1, S116091-CCV1, S116180-CCV1

Dibenz(a,h)anthracene

24L1652-24[250WATERST-FB-20241217], 24L1652-24RE1[250WATERST-FB-20241217], B395293-BLK1, B395293-BS1, B395293-BSD1, B395596-BLK1, B395596-BS1, B395596-BSD1, S116039-CCV1, S116180-CCV1

Di-n-octylphthalate

24L1652-24[250WATERST-FB-20241217], 24L1652-24RE1[250WATERST-FB-20241217], B395293-BLK1, B395293-BS1, B395293-BSD1, B395596-BLK1, B395596-BS1, B395596-BSD1, S116039-CCV1, S116180-CCV1

Indeno(1,2,3-cd)pyrene

24L1652-24[250WATERST-FB-20241217], 24L1652-24RE1[250WATERST-FB-20241217], B395293-BLK1, B395293-BS1, B395293-BSD1, B395596-BLK1, B395596-BS1, B395596-BSD1, S116039-CCV1, S116180-CCV1

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

Aniline

24L1652-24[250WATERST-FB-20241217], 24L1652-24RE1[250WATERST-FB-20241217], B395293-BLK1, B395293-BS1, B395293-BSD1, B395596-BLK1, B395596-BS1, B395596-BSD1, S116039-CCV1, S116180-CCV1

V-06

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

Analyte & Samples(s) Qualified:

Bis(2-Ethylhexyl)phthalate

24L1652-05[250WATERST-SB102-SO-(8-10)], 24L1652-09[250WATERST-SB104-SO-(2-4)], 24L1652-13[250WATERST-SB104-SO-(10-12)], 24L1652-17[250WATERST-SB106-SO-(2-4)], 24L1652-25[250WATERST-DUP-1-20241217], B395657-BS1, B395657-BSD1, B395657-MS1, B395657-MSD1, S116091-CCV1

Hexachlorobutadiene

B395293-BS1, B395293-BSD1, S116039-CCV1

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

Hexachlorobutadiene

24L1652-24[250WATERST-FB-20241217], B395293-BLK1

V-34

Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

3,3-Dichlorobenzidine

24L1652-02[250WATERST-SB102-SO-(2-4)], 24L1652-05[250WATERST-SB102-SO-(8-10)], 24L1652-09[250WATERST-SB104-SO-(2-4)], 24L1652-13[250WATERST-SB104-SO-(10-12)], 24L1652-17[250WATERST-SB106-SO-(2-4)], 24L1652-21[250WATERST-SB106-SO-(10-12)], 24L1652-25[250WATERST-DUP-1-20241217], B395657-BLK1, B395657-BS1, B395657-BSD1, B395657-MS1, B395657-MSD1, S116091-CCV1, S116139-ICV1

Pyridine

24L1652-02[250WATERST-SB102-SO-(2-4)], 24L1652-05[250WATERST-SB102-SO-(8-10)], 24L1652-09[250WATERST-SB104-SO-(2-4)], 24L1652-13[250WATERST-SB104-SO-(10-12)], 24L1652-17[250WATERST-SB106-SO-(2-4)], 24L1652-21[250WATERST-SB106-SO-(10-12)], 24L1652-24[250WATERST-FB-20241217], 24L1652-24RE1[250WATERST-FB-20241217], 24L1652-25[250WATERST-DUP-1-20241217], B395293-BLK1, B395293-BS1, B395293-BSD1, B395596-BLK1, B395596-BS1, B395596-BSD1, B395657-BLK1, B395657-BS1, B395657-BSD1, B395657-MS1, B395657-MSD1, S114725-ICV1, S116039-CCV1, S116091-CCV1, S116139-ICV1, S116180-CCV1

SW-846 9014

Qualifications:

H-01

Recommended sample holding time was exceeded, but analysis was performed before 2X the allowable holding time.

Analyte & Samples(s) Qualified:

Cyanide

24L1652-02[250WATERST-SB102-SO-(2-4)], 24L1652-05[250WATERST-SB102-SO-(8-10)], 24L1652-09[250WATERST-SB104-SO-(2-4)], 24L1652-13[250WATERST-SB104-SO-(10-12)], 24L1652-17[250WATERST-SB106-SO-(2-4)], 24L1652-21[250WATERST-SB106-SO-(10-12)]

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H-15

Sampling time not provided on the Chain of Custody.

Analyte & Samples(s) Qualified:

Cyanide

24L1652-25[250WATERST-DUP-1-20241217]

The results of analyses reported only relate to samples submitted to Pace Analytical Services, LLC - East Longmeadow, Ma, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Meghan E. Kelley
Reporting Specialist

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB102-SO-(0-2) Sampled: 12/17/2024 10:25

Sample ID: 24L1652-01

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Mercury	1.8	0.15	0.067	mg/Kg dry	5	H-04	SW-846 7471B	1/13/25	1/15/25 12:40	AAJ

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Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB102-SO-(0-2) Sampled: 12/17/2024 10:25

Sample ID: 24L1652-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.1			% Wt	1		SM 2540G	12/24/24	12/24/24 7:17	MLR

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB102-SO-(2-4) Sampled: 12/17/2024 10:30

Sample ID: 24L1652-02

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.11	0.055	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:20	MFF
Benzene	ND	0.0021	0.00066	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:20	MFF
Bromochloromethane	ND	0.0021	0.00091	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:20	MFF
Bromodichloromethane	ND	0.0021	0.00054	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:20	MFF
Bromoform	ND	0.0021	0.00093	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:20	MFF
Bromomethane	ND	0.011	0.0019	mg/Kg dry	1	V-34	SW-846 8260D	12/24/24	12/24/24 7:20	MFF
2-Butanone (MEK)	ND	0.042	0.0090	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:20	MFF
n-Butylbenzene	ND	0.0021	0.00077	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:20	MFF
sec-Butylbenzene	ND	0.0021	0.00085	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:20	MFF
tert-Butylbenzene	ND	0.0021	0.00077	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:20	MFF
Carbon Disulfide	ND	0.021	0.011	mg/Kg dry	1	R-05	SW-846 8260D	12/24/24	12/24/24 7:20	MFF
Carbon Tetrachloride	ND	0.0021	0.00062	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:20	MFF
Chlorobenzene	ND	0.0021	0.00051	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:20	MFF
Chlorodibromomethane	ND	0.0011	0.00070	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:20	MFF
Chloroethane	ND	0.021	0.0015	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:20	MFF
Chloroform	ND	0.0042	0.00069	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:20	MFF
Chloromethane	ND	0.011	0.0013	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:20	MFF
Cyclohexane	ND	0.011	0.0043	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:20	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0021	0.00086	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:20	MFF
1,2-Dibromoethane (EDB)	ND	0.0011	0.00077	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:20	MFF
1,2-Dichlorobenzene	ND	0.0021	0.00068	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:20	MFF
1,3-Dichlorobenzene	ND	0.0021	0.00061	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:20	MFF
1,4-Dichlorobenzene	ND	0.0021	0.00066	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:20	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.021	0.00093	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:20	MFF
1,1-Dichloroethane	ND	0.0021	0.00065	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:20	MFF
1,2-Dichloroethane	ND	0.0021	0.00073	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:20	MFF
1,1-Dichloroethylene	ND	0.0042	0.0010	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:20	MFF
cis-1,2-Dichloroethylene	ND	0.0021	0.00074	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:20	MFF
trans-1,2-Dichloroethylene	ND	0.0021	0.00063	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:20	MFF
1,2-Dichloropropane	ND	0.0021	0.00065	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:20	MFF
cis-1,3-Dichloropropene	ND	0.0011	0.00081	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:20	MFF
trans-1,3-Dichloropropene	ND	0.0011	0.00082	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:20	MFF
Ethylbenzene	ND	0.0021	0.00061	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:20	MFF
2-Hexanone (MBK)	ND	0.021	0.0073	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:20	MFF
Isopropylbenzene (Cumene)	ND	0.0021	0.00082	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:20	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0021	0.00069	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:20	MFF
Methyl Acetate	ND	0.0021	0.0014	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:20	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0042	0.00093	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:20	MFF
Methyl Cyclohexane	ND	0.0021	0.00076	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:20	MFF
Methylene Chloride	ND	0.021	0.0010	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:20	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.021	0.0094	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:20	MFF
Naphthalene	ND	0.0042	0.0011	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:20	MFF
n-Propylbenzene	ND	0.0021	0.00070	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:20	MFF
Styrene	ND	0.0021	0.00067	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:20	MFF

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB102-SO-(2-4) Sampled: 12/17/2024 10:30

Sample ID: 24L1652-02

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.0011	0.00082	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:20	MFF
Tetrachloroethylene	ND	0.0021	0.00093	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:20	MFF
Toluene	0.00087	0.0021	0.00063	mg/Kg dry	1	J	SW-846 8260D	12/24/24	12/24/24 7:20	MFF
1,2,3-Trichlorobenzene	ND	0.0021	0.00070	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:20	MFF
1,2,4-Trichlorobenzene	ND	0.0021	0.00070	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:20	MFF
1,1,1-Trichloroethane	ND	0.0021	0.00063	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:20	MFF
1,1,2-Trichloroethane	ND	0.0021	0.00055	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:20	MFF
Trichloroethylene	ND	0.0021	0.00080	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:20	MFF
Trichlorofluoromethane (Freon 11)	ND	0.011	0.0013	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:20	MFF
1,2,3-Trichloropropane	ND	0.0021	0.00086	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:20	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.011	0.0011	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:20	MFF
1,2,4-Trimethylbenzene	ND	0.0021	0.0010	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:20	MFF
1,3,5-Trimethylbenzene	ND	0.0021	0.00085	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:20	MFF
Vinyl Chloride	ND	0.011	0.00083	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:20	MFF
m+p Xylene	ND	0.0042	0.0015	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:20	MFF
o-Xylene	ND	0.0021	0.00072	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:20	MFF
Xylenes (total)	ND	0.0021	0.0021	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:20	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	102	70-130		12/24/24 7:20
Toluene-d8	100	70-130		12/24/24 7:20
4-Bromofluorobenzene	97.4	70-130		12/24/24 7:20

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB102-SO-(2-4) Sampled: 12/17/2024 10:30

Sample ID: 24L1652-02

Sample Matrix: Soil

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	mg/Kg dry			1			SW-846 8260D	12/24/24	12/24/24 7:20	MFF

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Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB102-SO-(2-4) Sampled: 12/17/2024 10:30

Sample ID: 24L1652-02

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,3,4,6-Tetrachlorophenol	ND	0.74	0.051	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 11:47	KMC
Atrazine	ND	0.74	0.048	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 11:47	KMC
Benzaldehyde	ND	0.38	0.060	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 11:47	KMC
Biphenyl	ND	0.74	0.048	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 11:47	KMC
Caprolactam	ND	0.38	0.065	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 11:47	KMC
Acenaphthene	ND	0.19	0.036	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 11:47	KMC
Acenaphthylene	ND	0.19	0.034	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 11:47	KMC
Acetophenone	ND	0.38	0.039	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 11:47	KMC
Aniline	ND	0.38	0.065	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 11:47	KMC
Anthracene	0.041	0.19	0.033	mg/Kg dry	1	J	SW-846 8270E	12/28/24	12/30/24 11:47	KMC
Benzo(a)anthracene	1.3	0.19	0.031	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 11:47	KMC
Benzo(a)pyrene	1.3	0.19	0.034	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 11:47	KMC
Benzo(b)fluoranthene	1.9	0.19	0.030	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 11:47	KMC
Benzo(g,h,i)perylene	1.7	0.19	0.054	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 11:47	KMC
Benzo(k)fluoranthene	0.72	0.19	0.034	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 11:47	KMC
Bis(2-chloroethoxy)methane	ND	0.38	0.040	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 11:47	KMC
Bis(2-chloroethyl)ether	ND	0.38	0.053	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 11:47	KMC
2,2'-oxybis(1-Chloropropane)	ND	0.38	0.24	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 11:47	KMC
Bis(2-Ethylhexyl)phthalate	ND	0.38	0.044	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 11:47	KMC
4-Bromophenylphenylether	ND	0.38	0.034	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 11:47	KMC
Butylbenzylphthalate	ND	0.38	0.042	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 11:47	KMC
Carbazole	ND	0.19	0.038	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 11:47	KMC
4-Chloroaniline	ND	0.73	0.067	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 11:47	KMC
4-Chloro-3-methylphenol	ND	0.73	0.039	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 11:47	KMC
2-Chloronaphthalene	ND	0.38	0.033	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 11:47	KMC
2-Chlorophenol	ND	0.38	0.038	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 11:47	KMC
4-Chlorophenylphenylether	ND	0.38	0.031	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 11:47	KMC
Chrysene	1.4	0.19	0.033	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 11:47	KMC
Dibenz(a,h)anthracene	0.39	0.19	0.052	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 11:47	KMC
Dibenzofuran	ND	0.38	0.034	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 11:47	KMC
Di-n-butylphthalate	ND	0.38	0.14	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 11:47	KMC
3,3-Dichlorobenzidine	ND	0.19	0.081	mg/Kg dry	1	V-34	SW-846 8270E	12/28/24	12/30/24 11:47	KMC
2,4-Dichlorophenol	ND	0.38	0.036	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 11:47	KMC
Diethylphthalate	ND	0.38	0.036	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 11:47	KMC
2,4-Dimethylphenol	ND	0.38	0.087	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 11:47	KMC
Dimethylphthalate	ND	0.38	0.035	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 11:47	KMC
4,6-Dinitro-2-methylphenol	ND	0.38	0.30	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 11:47	KMC
2,4-Dinitrophenol	ND	0.73	0.29	mg/Kg dry	1	V-04	SW-846 8270E	12/28/24	12/30/24 11:47	KMC
2,4-Dinitrotoluene	ND	0.38	0.038	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 11:47	KMC
2,6-Dinitrotoluene	ND	0.38	0.040	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 11:47	KMC
Di-n-octylphthalate	ND	0.38	0.053	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 11:47	KMC
Fluoranthene	0.91	0.19	0.031	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 11:47	KMC
Fluorene	ND	0.19	0.034	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 11:47	KMC
Hexachlorobenzene	ND	0.38	0.036	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 11:47	KMC

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB102-SO-(2-4) Sampled: 12/17/2024 10:30

Sample ID: 24L1652-02

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.38	0.034	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 11:47	KMC
Hexachlorocyclopentadiene	ND	0.38	0.25	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 11:47	KMC
Hexachloroethane	ND	0.38	0.035	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 11:47	KMC
Indeno(1,2,3-cd)pyrene	1.8	0.19	0.061	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 11:47	KMC
Isophorone	ND	0.38	0.040	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 11:47	KMC
1-Methylnaphthalene	ND	0.19	0.038	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 11:47	KMC
2-Methylnaphthalene	ND	0.19	0.032	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 11:47	KMC
2-Methylphenol	ND	0.38	0.050	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 11:47	KMC
3/4-Methylphenol	ND	0.38	0.050	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 11:47	KMC
Naphthalene	ND	0.19	0.066	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 11:47	KMC
2-Nitroaniline	ND	0.38	0.046	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 11:47	KMC
3-Nitroaniline	ND	0.38	0.078	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 11:47	KMC
4-Nitroaniline	ND	0.38	0.042	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 11:47	KMC
Nitrobenzene	ND	0.38	0.047	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 11:47	KMC
2-Nitrophenol	ND	0.38	0.037	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 11:47	KMC
4-Nitrophenol	ND	0.73	0.10	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 11:47	KMC
N-Nitrosodiphenylamine/Diphenylamine	ND	0.38	0.048	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 11:47	KMC
N-Nitrosodi-n-propylamine	ND	0.38	0.052	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 11:47	KMC
Pentachlorophenol	ND	0.38	0.14	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 11:47	KMC
Phenanthrene	0.25	0.19	0.033	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 11:47	KMC
Phenol	ND	0.38	0.048	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 11:47	KMC
Pyrene	1.4	0.19	0.039	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 11:47	KMC
Pyridine	ND	0.38	0.044	mg/Kg dry	1	V-34	SW-846 8270E	12/28/24	12/30/24 11:47	KMC
1,2,4,5-Tetrachlorobenzene	ND	0.38	0.037	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 11:47	KMC
2,4,5-Trichlorophenol	ND	0.38	0.038	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 11:47	KMC
2,4,6-Trichlorophenol	ND	0.38	0.036	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 11:47	KMC

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	65.1	30-130		12/30/24 11:47
Phenol-d6	66.8	30-130		12/30/24 11:47
Nitrobenzene-d5	69.9	30-130		12/30/24 11:47
2-Fluorobiphenyl	64.2	30-130		12/30/24 11:47
2,4,6-Tribromophenol	72.3	30-130		12/30/24 11:47
p-Terphenyl-d14	91.0	30-130		12/30/24 11:47

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB102-SO-(2-4) Sampled: 12/17/2024 10:30

Sample ID: 24L1652-02

Sample Matrix: Soil

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.056	0.044	mg/Kg dry	1		SW-846 8270E	12/28/24	1/7/25 4:04	GJB

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	40.1	15-110		1/7/25 4:04	

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB102-SO-(2-4) Sampled: 12/17/2024 10:30

Sample ID: 24L1652-02

Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	0.79	0.27	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 16:53	AMS
Perfluoropentanoic acid (PFPeA)	ND	0.40	0.12	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 16:53	AMS
Perfluorohexanoic acid (PFHxA)	ND	0.20	0.081	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 16:53	AMS
Perfluoroheptanoic acid (PFHpA)	ND	0.20	0.082	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 16:53	AMS
Perfluorooctanoic acid (PFOA)	0.072	0.20	0.069	µg/kg dry	1	J	Draft Method 1633	1/23/25	1/27/25 16:53	AMS
Perfluorononanoic acid (PFNA)	ND	0.20	0.075	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 16:53	AMS
Perfluorodecanoic acid (PFDA)	ND	0.20	0.062	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 16:53	AMS
Perfluoroundecanoic acid (PFUnA)	ND	0.20	0.082	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 16:53	AMS
Perfluorododecanoic acid (PFDoA)	ND	0.20	0.074	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 16:53	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	0.20	0.063	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 16:53	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	0.20	0.067	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 16:53	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	0.20	0.063	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 16:53	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	0.20	0.064	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 16:53	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	0.20	0.075	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 16:53	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.20	0.10	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 16:53	AMS
Perfluorooctanesulfonic acid (PFOS)	0.14	0.20	0.060	µg/kg dry	1	J	Draft Method 1633	1/23/25	1/27/25 16:53	AMS
Perfluorononanesulfonic acid (PFNS)	ND	0.20	0.049	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 16:53	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	0.20	0.064	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 16:53	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	0.20	0.057	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 16:53	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	0.79	0.29	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 16:53	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	0.79	0.28	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 16:53	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	0.79	0.36	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 16:53	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	0.20	0.081	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 16:53	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	0.20	0.055	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 16:53	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.20	0.089	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 16:53	AMS
N-MeFOSAA (NMeFOSAA)	ND	0.20	0.10	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 16:53	AMS
N-EtFOSAA (NEtFOSAA)	ND	0.20	0.091	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 16:53	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	2.0	0.64	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 16:53	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	2.0	0.70	µg/kg dry	1	PF-17	Draft Method 1633	1/23/25	1/27/25 16:53	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	0.79	0.33	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 16:53	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	0.79	0.31	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 16:53	AMS
9Cl-PF3ONS (F53B Minor)	ND	0.79	0.23	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 16:53	AMS
11Cl-PF3OUdS (F53B Major)	ND	0.79	0.26	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 16:53	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	0.99	0.49	µg/kg dry	1	L-03	Draft Method 1633	1/23/25	1/27/25 16:53	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	5.0	1.5	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 16:53	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	5.0	1.6	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 16:53	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	0.40	0.14	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 16:53	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	0.40	0.091	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 16:53	AMS

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB102-SO-(2-4) Sampled: 12/17/2024 10:30

Sample ID: 24L1652-02

Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	0.40	0.12	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 16:53	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	0.40	0.24	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 16:53	AMS

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
13C4-PFBA	77.8		8-130		1/27/25 16:53
13C5-PFPeA	99.2		35-130		1/27/25 16:53
13C5-PFHxA	101		40-130		1/27/25 16:53
13C4-PFHpA	98.1		40-130		1/27/25 16:53
13C8-PFOA	114		40-130		1/27/25 16:53
13C9-PFNA	102		40-130		1/27/25 16:53
13C6-PFDA	108		40-130		1/27/25 16:53
13C7-PFUnA	113		40-130		1/27/25 16:53
13C2-PFDoA	110		40-130		1/27/25 16:53
13C2-PFTeDA	116		20-130		1/27/25 16:53
13C3-PFBS	106		40-135		1/27/25 16:53
13C3-PFHxS	101		40-130		1/27/25 16:53
13C8-PFOS	106		40-130		1/27/25 16:53
13C2-4:2FTS	102		40-165		1/27/25 16:53
13C2-6:2FTS	96.8		40-215		1/27/25 16:53
13C2-8:2FTS	91.9		40-275		1/27/25 16:53
13C8-PFOSA	92.7		40-130		1/27/25 16:53
D3-NMeFOSA	87.7		10-130		1/27/25 16:53
D5-NEtFOSA	101		10-130		1/27/25 16:53
D3-NMeFOSAA	87.9		40-135		1/27/25 16:53
D5-NEtFOSAA	96.2		40-150		1/27/25 16:53
D7-NMeFOSE	98.1		20-130		1/27/25 16:53
D9-NEtFOSE	**132**	*	15-130	PF-17	1/27/25 16:53
13C3-HFPO-DA	106		40-130		1/27/25 16:53

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB102-SO-(2-4) Sampled: 12/17/2024 10:30

Sample ID: 24L1652-02

Sample Matrix: Soil

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
11H-Benzo[a]fluoren-11-one	0.17	mg/Kg dry	187421	8.343	1	000479-79-8	97	SW-846 8270E	12/28/24	12/30/24 11:47	KMC
Benz[a]anthracene, 8-methyl-	0.17	mg/Kg dry	186410	9.558	1	002381-31-9	94	SW-846 8270E	12/28/24	12/30/24 11:47	KMC
Furan, 2,5-dimethyl-	1.1	mg/Kg dry	394958	2.027	1	000625-86-5	97	SW-846 8270E	12/28/24	12/30/24 11:47	KMC
Heptane, 2,3-dimethyl-	0.67	mg/Kg dry	244612	2.722	1	003074-71-3	94	SW-846 8270E	12/28/24	12/30/24 11:47	KMC
Heptane, 2,4-dimethyl-	0.41	mg/Kg dry	147540	2.555	1	002213-23-2	95	SW-846 8270E	12/28/24	12/30/24 11:47	KMC
Heptane, 2,5-dimethyl-	1.0	mg/Kg dry	371760	2.619	1	002216-30-0	91	SW-846 8270E	12/28/24	12/30/24 11:47	KMC
Heptane, 2,6-dimethyl-	0.32	mg/Kg dry	117566	2.588	1	001072-05-5	91	SW-846 8270E	12/28/24	12/30/24 11:47	KMC
Pentane, 3-ethyl-2,4-dimethyl-	0.17	mg/Kg dry	60861	2.526	1	001068-87-7	86	SW-846 8270E	12/28/24	12/30/24 11:47	KMC
Phenanthrene, 2,5-dimethyl-	0.22	mg/Kg dry	128922	7.006	1	003674-66-6	94	SW-846 8270E	12/28/24	12/30/24 11:47	KMC
Pyrene, 1-methyl-	0.19	mg/Kg dry	212464	7.591	1	002381-21-7	98	SW-846 8270E	12/28/24	12/30/24 11:47	KMC

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB102-SO-(2-4) Sampled: 12/17/2024 10:30

Sample ID: 24L1652-02

Sample Matrix: Soil

Sample Flags: DL-03

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
alpha-Chlordane [1]	ND	0.028	0.013	mg/Kg dry	5		SW-846 8081B	12/28/24	1/8/25 16:36	TG
gamma-Chlordane [1]	ND	0.028	0.012	mg/Kg dry	5		SW-846 8081B	12/28/24	1/8/25 16:36	TG
Aldrin [1]	ND	0.028	0.0027	mg/Kg dry	5		SW-846 8081B	12/28/24	1/8/25 16:36	TG
alpha-BHC [1]	ND	0.028	0.013	mg/Kg dry	5		SW-846 8081B	12/28/24	1/8/25 16:36	TG
beta-BHC [1]	ND	0.028	0.015	mg/Kg dry	5		SW-846 8081B	12/28/24	1/8/25 16:36	TG
delta-BHC [1]	ND	0.028	0.015	mg/Kg dry	5		SW-846 8081B	12/28/24	1/8/25 16:36	TG
gamma-BHC (Lindane) [1]	ND	0.011	0.0039	mg/Kg dry	5		SW-846 8081B	12/28/24	1/8/25 16:36	TG
4,4'-DDD [1]	ND	0.022	0.0047	mg/Kg dry	5		SW-846 8081B	12/28/24	1/8/25 16:36	TG
4,4'-DDE [1]	ND	0.022	0.0025	mg/Kg dry	5		SW-846 8081B	12/28/24	1/8/25 16:36	TG
4,4'-DDT [1]	ND	0.022	0.0029	mg/Kg dry	5		SW-846 8081B	12/28/24	1/8/25 16:36	TG
Dieldrin [1]	ND	0.022	0.0027	mg/Kg dry	5		SW-846 8081B	12/28/24	1/8/25 16:36	TG
Endosulfan I [1]	ND	0.028	0.013	mg/Kg dry	5		SW-846 8081B	12/28/24	1/8/25 16:36	TG
Endosulfan II [1]	ND	0.045	0.012	mg/Kg dry	5		SW-846 8081B	12/28/24	1/8/25 16:36	TG
Endosulfan sulfate [1]	ND	0.045	0.011	mg/Kg dry	5		SW-846 8081B	12/28/24	1/8/25 16:36	TG
Endrin [1]	ND	0.045	0.014	mg/Kg dry	5		SW-846 8081B	12/28/24	1/8/25 16:36	TG
Endrin aldehyde [1]	ND	0.045	0.011	mg/Kg dry	5		SW-846 8081B	12/28/24	1/8/25 16:36	TG
Endrin ketone [1]	ND	0.045	0.011	mg/Kg dry	5		SW-846 8081B	12/28/24	1/8/25 16:36	TG
Heptachlor [1]	ND	0.028	0.0031	mg/Kg dry	5		SW-846 8081B	12/28/24	1/8/25 16:36	TG
Heptachlor epoxide [1]	ND	0.028	0.0032	mg/Kg dry	5		SW-846 8081B	12/28/24	1/8/25 16:36	TG
Methoxychlor [1]	ND	0.28	0.033	mg/Kg dry	5		SW-846 8081B	12/28/24	1/8/25 16:36	TG
Toxaphene [1]	ND	0.56	0.23	mg/Kg dry	5		SW-846 8081B	12/28/24	1/8/25 16:36	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	102	30-150		1/8/25 16:36
Decachlorobiphenyl [2]	108	30-150		1/8/25 16:36
Tetrachloro-m-xylene [1]	83.8	30-150		1/8/25 16:36
Tetrachloro-m-xylene [2]	85.9	30-150		1/8/25 16:36

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB102-SO-(2-4) Sampled: 12/17/2024 10:30

Sample ID: 24L1652-02

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.089	0.022	mg/Kg dry	4		SW-846 8082A	12/28/24	1/3/25 10:07	TG
Aroclor-1221 [1]	ND	0.089	0.041	mg/Kg dry	4		SW-846 8082A	12/28/24	1/3/25 10:07	TG
Aroclor-1232 [1]	ND	0.089	0.022	mg/Kg dry	4		SW-846 8082A	12/28/24	1/3/25 10:07	TG
Aroclor-1242 [1]	ND	0.089	0.025	mg/Kg dry	4		SW-846 8082A	12/28/24	1/3/25 10:07	TG
Aroclor-1248 [1]	ND	0.089	0.021	mg/Kg dry	4		SW-846 8082A	12/28/24	1/3/25 10:07	TG
Aroclor-1254 [1]	ND	0.089	0.027	mg/Kg dry	4		SW-846 8082A	12/28/24	1/3/25 10:07	TG
Aroclor-1260 [1]	ND	0.089	0.019	mg/Kg dry	4		SW-846 8082A	12/28/24	1/3/25 10:07	TG
Aroclor-1262 [1]	ND	0.089	0.023	mg/Kg dry	4		SW-846 8082A	12/28/24	1/3/25 10:07	TG
Aroclor-1268 [1]	ND	0.089	0.023	mg/Kg dry	4		SW-846 8082A	12/28/24	1/3/25 10:07	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	113	30-150		1/3/25 10:07
Decachlorobiphenyl [2]	102	30-150		1/3/25 10:07
Tetrachloro-m-xylene [1]	101	30-150		1/3/25 10:07
Tetrachloro-m-xylene [2]	88.7	30-150		1/3/25 10:07

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB102-SO-(2-4) Sampled: 12/17/2024 10:30

Sample ID: 24L1652-02

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	5300	19	6.0	mg/Kg dry	1		SW-846 6010D	12/30/24	1/18/25 21:31	MJH
Antimony	ND	1.9	0.50	mg/Kg dry	1		SW-846 6010D	12/30/24	1/2/25 16:26	DML
Arsenic	6.5	3.8	0.53	mg/Kg dry	1		SW-846 6010D	12/30/24	1/2/25 16:26	DML
Barium	140	1.9	0.40	mg/Kg dry	1		SW-846 6010D	12/30/24	1/2/25 16:26	DML
Beryllium	1.6	0.19	0.058	mg/Kg dry	1		SW-846 6010D	12/30/24	1/2/25 16:26	DML
Cadmium	ND	0.38	0.18	mg/Kg dry	1		SW-846 6010D	12/30/24	1/8/25 14:15	NC
Calcium	26000	190	98	mg/Kg dry	10		SW-846 6010D	12/30/24	1/9/25 17:13	NC
Chromium	14	0.76	0.48	mg/Kg dry	1		SW-846 6010D	12/30/24	1/2/25 16:26	DML
Cobalt	12	1.9	0.32	mg/Kg dry	1		SW-846 6010D	12/30/24	1/2/25 16:26	DML
Copper	32	1.5	1.3	mg/Kg dry	1	B	SW-846 6010D	1/20/25	1/27/25 19:02	NC
Iron	12000	19	8.8	mg/Kg dry	1		SW-846 6010D	12/30/24	1/8/25 14:15	NC
Lead	250	0.57	0.40	mg/Kg dry	1		SW-846 6010D	12/30/24	1/8/25 14:15	NC
Magnesium	3700	19	4.4	mg/Kg dry	1		SW-846 6010D	12/30/24	1/8/25 14:15	NC
Manganese	250	0.38	0.22	mg/Kg dry	1		SW-846 6010D	12/30/24	1/8/25 14:15	NC
Mercury	8.4	0.28	0.13	mg/Kg dry	10	H-04	SW-846 7471B	1/13/25	1/15/25 12:42	AAJ
Nickel	31	0.76	0.52	mg/Kg dry	1		SW-846 6010D	12/30/24	1/2/25 16:26	DML
Potassium	1100	190	47	mg/Kg dry	1		SW-846 6010D	12/30/24	1/18/25 21:31	MJH
Selenium	ND	3.8	0.94	mg/Kg dry	1		SW-846 6010D	12/30/24	1/2/25 16:26	DML
Silver	ND	0.38	0.23	mg/Kg dry	1		SW-846 6010D	12/30/24	1/2/25 16:26	DML
Sodium	250	190	56	mg/Kg dry	1		SW-846 6010D	12/30/24	1/2/25 16:26	DML
Thallium	ND	1.9	0.60	mg/Kg dry	1		SW-846 6010D	12/30/24	1/9/25 17:19	NC
Vanadium	14	0.76	0.42	mg/Kg dry	1		SW-846 6010D	12/30/24	1/2/25 16:26	DML
Zinc	70	0.73	0.64	mg/Kg dry	1		SW-846 6010D	1/20/25	1/27/25 19:02	NC

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB102-SO-(2-4) Sampled: 12/17/2024 10:30

Sample ID: 24L1652-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.7			% Wt	1		SM 2540G	12/24/24	12/24/24 7:17	MLR
Cyanide	ND	0.54	0.40	mg/Kg dry	1	H-01	SW-846 9014	1/2/25	1/3/25 9:00	LL

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Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB102-SO-(4-6) Sampled: 12/17/2024 10:45

Sample ID: 24L1652-03

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Mercury	4.1	0.14	0.064	mg/Kg dry	5	H-04	SW-846 7471B	1/13/25	1/15/25 12:45	AAJ

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB102-SO-(4-6) Sampled: 12/17/2024 10:45

Sample ID: 24L1652-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.8			% Wt	1		SM 2540G	12/24/24	12/24/24 7:17	MLR

Pace Analytical Services, LLC - East Longmeadow, Ma

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Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB102-SO-(6-8) Sampled: 12/17/2024 10:50

Sample ID: 24L1652-04

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Mercury	29	1.2	0.52	mg/Kg dry	40	H-04	SW-846 7471B	1/13/25	1/15/25 12:56	AAJ

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB102-SO-(6-8) Sampled: 12/17/2024 10:50

Sample ID: 24L1652-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.6			% Wt	1		SM 2540G	12/24/24	12/24/24 7:17	MLR

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Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB102-SO-(8-10) Sampled: 12/17/2024 11:30

Sample ID: 24L1652-05

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.097	0.051	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:48	MFF
Benzene	ND	0.0019	0.00061	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:48	MFF
Bromochloromethane	ND	0.0019	0.00084	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:48	MFF
Bromodichloromethane	ND	0.0019	0.00050	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:48	MFF
Bromoform	ND	0.0019	0.00085	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:48	MFF
Bromomethane	ND	0.0097	0.0017	mg/Kg dry	1	V-34	SW-846 8260D	12/24/24	12/24/24 7:48	MFF
2-Butanone (MEK)	ND	0.039	0.0082	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:48	MFF
n-Butylbenzene	ND	0.0019	0.00071	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:48	MFF
sec-Butylbenzene	ND	0.0019	0.00078	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:48	MFF
tert-Butylbenzene	ND	0.0019	0.00071	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:48	MFF
Carbon Disulfide	ND	0.019	0.0098	mg/Kg dry	1	R-05	SW-846 8260D	12/24/24	12/24/24 7:48	MFF
Carbon Tetrachloride	ND	0.0019	0.00057	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:48	MFF
Chlorobenzene	ND	0.0019	0.00047	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:48	MFF
Chlorodibromomethane	ND	0.00097	0.00064	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:48	MFF
Chloroethane	ND	0.019	0.0014	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:48	MFF
Chloroform	ND	0.0039	0.00064	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:48	MFF
Chloromethane	ND	0.0097	0.0012	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:48	MFF
Cyclohexane	ND	0.0097	0.0040	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:48	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0019	0.00079	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:48	MFF
1,2-Dibromoethane (EDB)	ND	0.00097	0.00071	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:48	MFF
1,2-Dichlorobenzene	ND	0.0019	0.00062	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:48	MFF
1,3-Dichlorobenzene	ND	0.0019	0.00056	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:48	MFF
1,4-Dichlorobenzene	ND	0.0019	0.00060	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:48	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.019	0.00085	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:48	MFF
1,1-Dichloroethane	ND	0.0019	0.00059	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:48	MFF
1,2-Dichloroethane	ND	0.0019	0.00067	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:48	MFF
1,1-Dichloroethylene	ND	0.0039	0.00093	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:48	MFF
cis-1,2-Dichloroethylene	ND	0.0019	0.00068	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:48	MFF
trans-1,2-Dichloroethylene	ND	0.0019	0.00058	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:48	MFF
1,2-Dichloropropane	ND	0.0019	0.00060	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:48	MFF
cis-1,3-Dichloropropene	ND	0.00097	0.00074	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:48	MFF
trans-1,3-Dichloropropene	ND	0.00097	0.00075	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:48	MFF
Ethylbenzene	ND	0.0019	0.00056	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:48	MFF
2-Hexanone (MBK)	ND	0.019	0.0067	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:48	MFF
Isopropylbenzene (Cumene)	ND	0.0019	0.00075	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:48	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0019	0.00063	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:48	MFF
Methyl Acetate	ND	0.0019	0.0013	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:48	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0039	0.00086	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:48	MFF
Methyl Cyclohexane	ND	0.0019	0.00070	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:48	MFF
Methylene Chloride	ND	0.019	0.00091	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:48	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.019	0.0086	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:48	MFF
Naphthalene	ND	0.0039	0.00096	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:48	MFF
n-Propylbenzene	ND	0.0019	0.00064	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:48	MFF
Styrene	ND	0.0019	0.00062	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:48	MFF

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB102-SO-(8-10) Sampled: 12/17/2024 11:30

Sample ID: 24L1652-05

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.00097	0.00075	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:48	MFF
Tetrachloroethylene	ND	0.0019	0.00085	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:48	MFF
Toluene	ND	0.0019	0.00058	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:48	MFF
1,2,3-Trichlorobenzene	ND	0.0019	0.00065	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:48	MFF
1,2,4-Trichlorobenzene	ND	0.0019	0.00064	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:48	MFF
1,1,1-Trichloroethane	ND	0.0019	0.00058	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:48	MFF
1,1,2-Trichloroethane	ND	0.0019	0.00050	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:48	MFF
Trichloroethylene	ND	0.0019	0.00073	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:48	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0097	0.0011	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:48	MFF
1,2,3-Trichloropropane	ND	0.0019	0.00079	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:48	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0097	0.0010	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:48	MFF
1,2,4-Trimethylbenzene	ND	0.0019	0.00094	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:48	MFF
1,3,5-Trimethylbenzene	ND	0.0019	0.00078	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:48	MFF
Vinyl Chloride	ND	0.0097	0.00076	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:48	MFF
m+p Xylene	ND	0.0039	0.0014	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:48	MFF
o-Xylene	ND	0.0019	0.00066	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:48	MFF
Xylenes (total)	ND	0.0019	0.0019	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 7:48	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	102	70-130		12/24/24 7:48
Toluene-d8	101	70-130		12/24/24 7:48
4-Bromofluorobenzene	93.3	70-130		12/24/24 7:48

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB102-SO-(8-10) Sampled: 12/17/2024 11:30

Sample ID: 24L1652-05

Sample Matrix: Soil

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	mg/Kg dry			1			SW-846 8260D	12/24/24	12/24/24 7:48	MFF

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB102-SO-(8-10) Sampled: 12/17/2024 11:30

Sample ID: 24L1652-05

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,3,4,6-Tetrachlorophenol	ND	0.77	0.053	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 12:50	KMC
Atrazine	ND	0.77	0.050	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 12:50	KMC
Benzaldehyde	ND	0.39	0.062	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 12:50	KMC
Biphenyl	ND	0.77	0.049	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 12:50	KMC
Caprolactam	ND	0.39	0.067	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 12:50	KMC
Acenaphthene	0.070	0.19	0.037	mg/Kg dry	1	J	SW-846 8270E	12/28/24	12/30/24 12:50	KMC
Acenaphthylene	ND	0.19	0.035	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 12:50	KMC
Acetophenone	ND	0.39	0.041	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 12:50	KMC
Aniline	ND	0.39	0.067	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 12:50	KMC
Anthracene	0.61	0.19	0.034	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 12:50	KMC
Benzo(a)anthracene	3.1	0.19	0.032	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 12:50	KMC
Benzo(a)pyrene	2.3	0.19	0.035	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 12:50	KMC
Benzo(b)fluoranthene	3.2	0.19	0.031	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 12:50	KMC
Benzo(g,h,i)perylene	2.3	0.19	0.056	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 12:50	KMC
Benzo(k)fluoranthene	1.2	0.19	0.035	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 12:50	KMC
Bis(2-chloroethoxy)methane	ND	0.39	0.042	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 12:50	KMC
Bis(2-chloroethyl)ether	ND	0.39	0.055	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 12:50	KMC
2,2'-oxybis(1-Chloropropane)	ND	0.39	0.25	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 12:50	KMC
Bis(2-Ethylhexyl)phthalate	0.047	0.39	0.046	mg/Kg dry	1	J, V-06	SW-846 8270E	12/28/24	12/30/24 12:50	KMC
4-Bromophenylphenylether	ND	0.39	0.036	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 12:50	KMC
Butylbenzylphthalate	ND	0.39	0.043	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 12:50	KMC
Carbazole	0.097	0.19	0.039	mg/Kg dry	1	J	SW-846 8270E	12/28/24	12/30/24 12:50	KMC
4-Chloroaniline	ND	0.76	0.069	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 12:50	KMC
4-Chloro-3-methylphenol	ND	0.76	0.041	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 12:50	KMC
2-Chloronaphthalene	ND	0.39	0.034	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 12:50	KMC
2-Chlorophenol	ND	0.39	0.039	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 12:50	KMC
4-Chlorophenylphenylether	ND	0.39	0.032	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 12:50	KMC
Chrysene	3.2	0.19	0.035	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 12:50	KMC
Dibenz(a,h)anthracene	0.57	0.19	0.054	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 12:50	KMC
Dibenzofuran	0.13	0.39	0.035	mg/Kg dry	1	J	SW-846 8270E	12/28/24	12/30/24 12:50	KMC
Di-n-butylphthalate	ND	0.39	0.15	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 12:50	KMC
3,3-Dichlorobenzidine	ND	0.19	0.084	mg/Kg dry	1	V-34	SW-846 8270E	12/28/24	12/30/24 12:50	KMC
2,4-Dichlorophenol	ND	0.39	0.037	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 12:50	KMC
Diethylphthalate	ND	0.39	0.037	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 12:50	KMC
2,4-Dimethylphenol	ND	0.39	0.090	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 12:50	KMC
Dimethylphthalate	ND	0.39	0.037	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 12:50	KMC
4,6-Dinitro-2-methylphenol	ND	0.39	0.31	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 12:50	KMC
2,4-Dinitrophenol	ND	0.76	0.30	mg/Kg dry	1	V-04	SW-846 8270E	12/28/24	12/30/24 12:50	KMC
2,4-Dinitrotoluene	ND	0.39	0.039	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 12:50	KMC
2,6-Dinitrotoluene	ND	0.39	0.041	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 12:50	KMC
Di-n-octylphthalate	0.31	0.39	0.055	mg/Kg dry	1	J	SW-846 8270E	12/28/24	12/30/24 12:50	KMC
Fluoranthene	4.6	0.19	0.032	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 12:50	KMC
Fluorene	0.042	0.19	0.035	mg/Kg dry	1	J	SW-846 8270E	12/28/24	12/30/24 12:50	KMC
Hexachlorobenzene	ND	0.39	0.037	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 12:50	KMC

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB102-SO-(8-10) Sampled: 12/17/2024 11:30

Sample ID: 24L1652-05

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.39	0.035	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 12:50	KMC
Hexachlorocyclopentadiene	ND	0.39	0.26	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 12:50	KMC
Hexachloroethane	ND	0.39	0.036	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 12:50	KMC
Indeno(1,2,3-cd)pyrene	2.6	0.19	0.063	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 12:50	KMC
Isophorone	ND	0.39	0.041	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 12:50	KMC
1-Methylnaphthalene	ND	0.19	0.039	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 12:50	KMC
2-Methylnaphthalene	ND	0.19	0.033	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 12:50	KMC
2-Methylphenol	ND	0.39	0.052	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 12:50	KMC
3/4-Methylphenol	ND	0.39	0.051	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 12:50	KMC
Naphthalene	ND	0.19	0.068	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 12:50	KMC
2-Nitroaniline	ND	0.39	0.047	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 12:50	KMC
3-Nitroaniline	ND	0.39	0.081	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 12:50	KMC
4-Nitroaniline	ND	0.39	0.043	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 12:50	KMC
Nitrobenzene	ND	0.39	0.049	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 12:50	KMC
2-Nitrophenol	ND	0.39	0.038	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 12:50	KMC
4-Nitrophenol	ND	0.76	0.10	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 12:50	KMC
N-Nitrosodiphenylamine/Diphenylamine	ND	0.39	0.049	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 12:50	KMC
N-Nitrosodi-n-propylamine	ND	0.39	0.054	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 12:50	KMC
Pentachlorophenol	ND	0.39	0.14	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 12:50	KMC
Phenanthrene	2.9	0.19	0.034	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 12:50	KMC
Phenol	ND	0.39	0.049	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 12:50	KMC
Pyrene	7.5	0.78	0.16	mg/Kg dry	4		SW-846 8270E	12/28/24	12/30/24 14:58	KMC
Pyridine	ND	0.39	0.045	mg/Kg dry	1	V-34	SW-846 8270E	12/28/24	12/30/24 12:50	KMC
1,2,4,5-Tetrachlorobenzene	ND	0.39	0.038	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 12:50	KMC
2,4,5-Trichlorophenol	ND	0.39	0.040	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 12:50	KMC
2,4,6-Trichlorophenol	ND	0.39	0.037	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 12:50	KMC

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	54.6	30-130		12/30/24 12:50
2-Fluorophenol	69.2	30-130		12/30/24 14:58
Phenol-d6	66.5	30-130		12/30/24 12:50
Phenol-d6	85.6	30-130		12/30/24 14:58
Nitrobenzene-d5	69.5	30-130		12/30/24 12:50
Nitrobenzene-d5	77.6	30-130		12/30/24 14:58
2-Fluorobiphenyl	64.3	30-130		12/30/24 12:50
2-Fluorobiphenyl	75.4	30-130		12/30/24 14:58
2,4,6-Tribromophenol	39.2	30-130		12/30/24 12:50
2,4,6-Tribromophenol	41.4	30-130		12/30/24 14:58
p-Terphenyl-d14	96.7	30-130		12/30/24 12:50
p-Terphenyl-d14	107	30-130		12/30/24 14:58

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB102-SO-(8-10) Sampled: 12/17/2024 11:30

Sample ID: 24L1652-05

Sample Matrix: Soil

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.058	0.046	mg/Kg dry	1		SW-846 8270E	12/28/24	1/7/25 4:24	GJB

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	42.4	15-110		1/7/25 4:24	

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Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB102-SO-(8-10) Sampled: 12/17/2024 11:30

Sample ID: 24L1652-05

Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	0.80	0.27	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:02	AMS
Perfluoropentanoic acid (PFPeA)	ND	0.40	0.12	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:02	AMS
Perfluorohexanoic acid (PFHxA)	ND	0.20	0.081	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:02	AMS
Perfluoroheptanoic acid (PFHpA)	ND	0.20	0.082	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:02	AMS
Perfluorooctanoic acid (PFOA)	ND	0.20	0.069	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:02	AMS
Perfluorononanoic acid (PFNA)	ND	0.20	0.075	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:02	AMS
Perfluorodecanoic acid (PFDA)	ND	0.20	0.063	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:02	AMS
Perfluoroundecanoic acid (PFUnA)	ND	0.20	0.082	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:02	AMS
Perfluorododecanoic acid (PFDoA)	ND	0.20	0.074	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:02	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	0.20	0.063	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:02	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	0.20	0.067	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:02	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	0.20	0.063	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:02	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	0.20	0.064	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:02	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	0.20	0.075	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:02	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.20	0.10	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:02	AMS
Perfluorooctanesulfonic acid (PFOS)	ND	0.20	0.060	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:02	AMS
Perfluorononanesulfonic acid (PFNS)	ND	0.20	0.050	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:02	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	0.20	0.064	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:02	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	0.20	0.057	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:02	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	0.80	0.29	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:02	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	0.80	0.28	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:02	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	0.80	0.37	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:02	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	0.20	0.081	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:02	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	0.20	0.055	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:02	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.20	0.089	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:02	AMS
N-MeFOSAA (NMeFOSAA)	ND	0.20	0.10	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:02	AMS
N-EtFOSAA (NEtFOSAA)	ND	0.20	0.092	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:02	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	2.0	0.64	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:02	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	2.0	0.71	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:02	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	0.80	0.34	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:02	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	0.80	0.32	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:02	AMS
9Cl-PF3ONS (F53B Minor)	ND	0.80	0.23	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:02	AMS
11Cl-PF3OUdS (F53B Major)	ND	0.80	0.26	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:02	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	0.99	0.49	µg/kg dry	1	L-03	Draft Method 1633	1/23/25	1/27/25 17:02	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	5.0	1.5	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:02	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	5.0	1.6	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:02	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	0.40	0.14	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:02	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	0.40	0.092	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:02	AMS

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB102-SO-(8-10) Sampled: 12/17/2024 11:30

Sample ID: 24L1652-05

Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	0.40	0.12	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:02	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	0.40	0.24	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:02	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C4-PFBA	88.0	8-130		1/27/25 17:02
13C5-PFPeA	109	35-130		1/27/25 17:02
13C5-PFHxA	110	40-130		1/27/25 17:02
13C4-PFHpA	105	40-130		1/27/25 17:02
13C8-PFOA	119	40-130		1/27/25 17:02
13C9-PFNA	106	40-130		1/27/25 17:02
13C6-PFDA	115	40-130		1/27/25 17:02
13C7-PFUnA	118	40-130		1/27/25 17:02
13C2-PFDoA	110	40-130		1/27/25 17:02
13C2-PFTeDA	115	20-130		1/27/25 17:02
13C3-PFBS	114	40-135		1/27/25 17:02
13C3-PFHxS	111	40-130		1/27/25 17:02
13C8-PFOS	114	40-130		1/27/25 17:02
13C2-4:2FTS	113	40-165		1/27/25 17:02
13C2-6:2FTS	112	40-215		1/27/25 17:02
13C2-8:2FTS	107	40-275		1/27/25 17:02
13C8-PFOSA	101	40-130		1/27/25 17:02
D3-NMeFOSA	93.1	10-130		1/27/25 17:02
D5-NEtFOSA	95.3	10-130		1/27/25 17:02
D3-NMeFOSAA	105	40-135		1/27/25 17:02
D5-NEtFOSAA	110	40-150		1/27/25 17:02
D7-NMeFOSE	98.2	20-130		1/27/25 17:02
D9-NEtFOSE	99.0	15-130		1/27/25 17:02
13C3-HFPO-DA	116	40-130		1/27/25 17:02

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Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB102-SO-(8-10) Sampled: 12/17/2024 11:30

Sample ID: 24L1652-05

Sample Matrix: Soil

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Butanone, 4-hydroxy-	0.71	mg/Kg dry	269365	2.39	1	000590-90-9	91	SW-846 8270E	12/28/24	12/30/24 12:50	KMC
2-Phenylnaphthalene	0.58	mg/Kg dry	323005	6.793	1	035465-71-5	96	SW-846 8270E	12/28/24	12/30/24 12:50	KMC
3-Hexene-2,5-dione	0.43	mg/Kg dry	164146	3.157	1	004436-75-3	91	SW-846 8270E	12/28/24	12/30/24 12:50	KMC
9,10-Anthracenedione	0.44	mg/Kg dry	247592	6.813	1	000084-65-1	98	SW-846 8270E	12/28/24	12/30/24 12:50	KMC
Anthracene, 2-methyl-	0.77	mg/Kg dry	430439	6.571	1	000613-12-7	96	SW-846 8270E	12/28/24	12/30/24 12:50	KMC
Cyclopenta(def)phenanthrenone	0.80	mg/Kg dry	449966	7.084	1	005737-13-3	97	SW-846 8270E	12/28/24	12/30/24 12:50	KMC
Furan, 2,5-dimethyl-	0.53	mg/Kg dry	199986	2.027	1	000625-86-5	95	SW-846 8270E	12/28/24	12/30/24 12:50	KMC
Heptane, 2,3-dimethyl-	0.56	mg/Kg dry	211881	2.722	1	003074-71-3	94	SW-846 8270E	12/28/24	12/30/24 12:50	KMC
Heptane, 2,5-dimethyl-	0.91	mg/Kg dry	344823	2.619	1	002216-30-0	91	SW-846 8270E	12/28/24	12/30/24 12:50	KMC
Phenanthrene, 1-methyl-	0.77	mg/Kg dry	434890	6.654	1	000832-69-9	96	SW-846 8270E	12/28/24	12/30/24 12:50	KMC
Phenanthrene, 2,5-dimethyl-	0.71	mg/Kg dry	396979	7.006	1	003674-66-6	96	SW-846 8270E	12/28/24	12/30/24 12:50	KMC
Phenanthrene, 2-methyl-	0.86	mg/Kg dry	485021	6.592	1	002531-84-2	98	SW-846 8270E	12/28/24	12/30/24 12:50	KMC

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Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB102-SO-(8-10) Sampled: 12/17/2024 11:30

Sample ID: 24L1652-05

Sample Matrix: Soil

Sample Flags: DL-03

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
alpha-Chlordane [1]	ND	0.057	0.026	mg/Kg dry	10		SW-846 8081B	12/28/24	1/8/25 16:48	TG
gamma-Chlordane [1]	ND	0.057	0.025	mg/Kg dry	10		SW-846 8081B	12/28/24	1/8/25 16:48	TG
Aldrin [1]	ND	0.057	0.0056	mg/Kg dry	10		SW-846 8081B	12/28/24	1/8/25 16:48	TG
alpha-BHC [1]	ND	0.057	0.027	mg/Kg dry	10		SW-846 8081B	12/28/24	1/8/25 16:48	TG
beta-BHC [1]	ND	0.057	0.030	mg/Kg dry	10		SW-846 8081B	12/28/24	1/8/25 16:48	TG
delta-BHC [1]	ND	0.057	0.030	mg/Kg dry	10		SW-846 8081B	12/28/24	1/8/25 16:48	TG
gamma-BHC (Lindane) [1]	ND	0.023	0.0079	mg/Kg dry	10		SW-846 8081B	12/28/24	1/8/25 16:48	TG
4,4'-DDD [1]	ND	0.046	0.0097	mg/Kg dry	10		SW-846 8081B	12/28/24	1/8/25 16:48	TG
4,4'-DDE [1]	ND	0.046	0.0050	mg/Kg dry	10		SW-846 8081B	12/28/24	1/8/25 16:48	TG
4,4'-DDT [1]	ND	0.046	0.0059	mg/Kg dry	10		SW-846 8081B	12/28/24	1/8/25 16:48	TG
Dieldrin [1]	ND	0.046	0.0054	mg/Kg dry	10		SW-846 8081B	12/28/24	1/8/25 16:48	TG
Endosulfan I [1]	ND	0.057	0.027	mg/Kg dry	10		SW-846 8081B	12/28/24	1/8/25 16:48	TG
Endosulfan II [1]	ND	0.091	0.024	mg/Kg dry	10		SW-846 8081B	12/28/24	1/8/25 16:48	TG
Endosulfan sulfate [1]	ND	0.091	0.022	mg/Kg dry	10		SW-846 8081B	12/28/24	1/8/25 16:48	TG
Endrin [1]	ND	0.091	0.029	mg/Kg dry	10		SW-846 8081B	12/28/24	1/8/25 16:48	TG
Endrin aldehyde [1]	ND	0.091	0.022	mg/Kg dry	10		SW-846 8081B	12/28/24	1/8/25 16:48	TG
Endrin ketone [1]	ND	0.091	0.023	mg/Kg dry	10		SW-846 8081B	12/28/24	1/8/25 16:48	TG
Heptachlor [1]	ND	0.057	0.0063	mg/Kg dry	10		SW-846 8081B	12/28/24	1/8/25 16:48	TG
Heptachlor epoxide [1]	ND	0.057	0.0066	mg/Kg dry	10		SW-846 8081B	12/28/24	1/8/25 16:48	TG
Methoxychlor [1]	ND	0.57	0.068	mg/Kg dry	10		SW-846 8081B	12/28/24	1/8/25 16:48	TG
Toxaphene [1]	ND	1.1	0.48	mg/Kg dry	10		SW-846 8081B	12/28/24	1/8/25 16:48	TG

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	**169**	*	30-150	S-02	1/8/25 16:48
Decachlorobiphenyl [2]	**204**	*	30-150	S-02	1/8/25 16:48
Tetrachloro-m-xylene [1]	91.2		30-150		1/8/25 16:48
Tetrachloro-m-xylene [2]	93.1		30-150		1/8/25 16:48

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB102-SO-(8-10) Sampled: 12/17/2024 11:30

Sample ID: 24L1652-05

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	0.022	mg/Kg dry	4		SW-846 8082A	12/28/24	1/3/25 10:19	TG
Aroclor-1221 [1]	ND	0.091	0.042	mg/Kg dry	4		SW-846 8082A	12/28/24	1/3/25 10:19	TG
Aroclor-1232 [1]	ND	0.091	0.022	mg/Kg dry	4		SW-846 8082A	12/28/24	1/3/25 10:19	TG
Aroclor-1242 [1]	ND	0.091	0.025	mg/Kg dry	4		SW-846 8082A	12/28/24	1/3/25 10:19	TG
Aroclor-1248 [1]	ND	0.091	0.022	mg/Kg dry	4		SW-846 8082A	12/28/24	1/3/25 10:19	TG
Aroclor-1254 [1]	ND	0.091	0.027	mg/Kg dry	4		SW-846 8082A	12/28/24	1/3/25 10:19	TG
Aroclor-1260 [1]	ND	0.091	0.019	mg/Kg dry	4		SW-846 8082A	12/28/24	1/3/25 10:19	TG
Aroclor-1262 [1]	ND	0.091	0.024	mg/Kg dry	4		SW-846 8082A	12/28/24	1/3/25 10:19	TG
Aroclor-1268 [1]	ND	0.091	0.024	mg/Kg dry	4		SW-846 8082A	12/28/24	1/3/25 10:19	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	109	30-150		1/3/25 10:19
Decachlorobiphenyl [2]	111	30-150		1/3/25 10:19
Tetrachloro-m-xylene [1]	108	30-150		1/3/25 10:19
Tetrachloro-m-xylene [2]	94.1	30-150		1/3/25 10:19

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB102-SO-(8-10) Sampled: 12/17/2024 11:30

Sample ID: 24L1652-05

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	6200	19	6.1	mg/Kg dry	1		SW-846 6010D	12/30/24	1/18/25 21:38	MJH
Antimony	ND	1.9	0.51	mg/Kg dry	1		SW-846 6010D	12/30/24	1/2/25 16:32	DML
Arsenic	5.7	3.9	0.54	mg/Kg dry	1		SW-846 6010D	12/30/24	1/2/25 16:32	DML
Barium	170	1.9	0.41	mg/Kg dry	1		SW-846 6010D	12/30/24	1/2/25 16:32	DML
Beryllium	0.36	0.19	0.059	mg/Kg dry	1		SW-846 6010D	12/30/24	1/2/25 16:32	DML
Cadmium	ND	0.39	0.18	mg/Kg dry	1		SW-846 6010D	12/30/24	1/8/25 14:22	NC
Calcium	29000	190	100	mg/Kg dry	10		SW-846 6010D	12/30/24	1/9/25 17:25	NC
Chromium	14	0.77	0.49	mg/Kg dry	1		SW-846 6010D	12/30/24	1/2/25 16:32	DML
Cobalt	4.4	1.9	0.33	mg/Kg dry	1		SW-846 6010D	12/30/24	1/2/25 16:32	DML
Copper	82	1.5	1.3	mg/Kg dry	1	B-07, B	SW-846 6010D	1/20/25	1/27/25 19:07	NC
Iron	12000	19	8.9	mg/Kg dry	1		SW-846 6010D	12/30/24	1/8/25 14:22	NC
Lead	330	0.58	0.40	mg/Kg dry	1		SW-846 6010D	12/30/24	1/8/25 14:22	NC
Magnesium	4300	19	4.5	mg/Kg dry	1		SW-846 6010D	12/30/24	1/8/25 14:22	NC
Manganese	250	0.39	0.22	mg/Kg dry	1		SW-846 6010D	12/30/24	1/8/25 14:22	NC
Mercury	4.2	0.14	0.064	mg/Kg dry	5	H-04, MS-19	SW-846 7471B	1/13/25	1/15/25 12:50	AAJ
Nickel	19	0.77	0.53	mg/Kg dry	1		SW-846 6010D	12/30/24	1/2/25 16:32	DML
Potassium	1200	190	48	mg/Kg dry	1		SW-846 6010D	12/30/24	1/18/25 21:38	MJH
Selenium	ND	3.9	0.96	mg/Kg dry	1		SW-846 6010D	12/30/24	1/2/25 16:32	DML
Silver	ND	0.39	0.24	mg/Kg dry	1		SW-846 6010D	12/30/24	1/2/25 16:32	DML
Sodium	220	190	57	mg/Kg dry	1		SW-846 6010D	12/30/24	1/2/25 16:32	DML
Thallium	ND	1.9	0.61	mg/Kg dry	1		SW-846 6010D	12/30/24	1/9/25 17:31	NC
Vanadium	17	0.77	0.43	mg/Kg dry	1		SW-846 6010D	12/30/24	1/2/25 16:32	DML
Zinc	410	0.75	0.66	mg/Kg dry	1		SW-846 6010D	1/20/25	1/27/25 19:07	NC

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB102-SO-(8-10) Sampled: 12/17/2024 11:30

Sample ID: 24L1652-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.8			% Wt	1		SM 2540G	12/24/24	12/24/24 7:17	MLR
Cyanide	ND	0.58	0.43	mg/Kg dry	1	H-01	SW-846 9014	1/2/25	1/3/25 9:00	LL

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Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB102-SO-(10-12) Sampled: 12/17/2024 11:35

Sample ID: 24L1652-06

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Mercury	2.0	0.15	0.066	mg/Kg dry	5	H-04	SW-846 7471B	1/13/25	1/15/25 12:52	AAJ

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Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB102-SO-(10-12) Sampled: 12/17/2024 11:35

Sample ID: 24L1652-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.0			% Wt	1		SM 2540G	12/24/24	12/24/24 7:17	MLR

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Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB102-SO-(12-14) Sampled: 12/17/2024 12:15

Sample ID: 24L1652-07

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Mercury	2.4	0.14	0.062	mg/Kg dry	5	H-04	SW-846 7471B	1/13/25	1/15/25 12:54	AAJ

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB102-SO-(12-14) Sampled: 12/17/2024 12:15

Sample ID: 24L1652-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.7			% Wt	1		SM 2540G	12/24/24	12/24/24 7:17	MLR

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB104-SO-(0-2) Sampled: 12/17/2024 14:15

Sample ID: 24L1652-08

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Mercury	0.32	0.026	0.012	mg/Kg dry	1		SW-846 7471B	1/13/25	1/14/25 17:16	AAJ

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB104-SO-(0-2) Sampled: 12/17/2024 14:15

Sample ID: 24L1652-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.8			% Wt	1		SM 2540G	12/24/24	12/24/24 7:17	MLR

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB104-SO-(2-4) Sampled: 12/17/2024 14:20

Sample ID: 24L1652-09

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.071	0.037	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:14	MFF
Benzene	ND	0.0014	0.00044	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:14	MFF
Bromochloromethane	ND	0.0014	0.00061	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:14	MFF
Bromodichloromethane	ND	0.0014	0.00036	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:14	MFF
Bromoform	ND	0.0014	0.00062	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:14	MFF
Bromomethane	ND	0.0071	0.0013	mg/Kg dry	1	V-34	SW-846 8260D	12/24/24	12/24/24 8:14	MFF
2-Butanone (MEK)	ND	0.028	0.0060	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:14	MFF
n-Butylbenzene	ND	0.0014	0.00052	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:14	MFF
sec-Butylbenzene	ND	0.0014	0.00057	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:14	MFF
tert-Butylbenzene	ND	0.0014	0.00052	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:14	MFF
Carbon Disulfide	ND	0.014	0.0072	mg/Kg dry	1	R-05	SW-846 8260D	12/24/24	12/24/24 8:14	MFF
Carbon Tetrachloride	ND	0.0014	0.00041	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:14	MFF
Chlorobenzene	ND	0.0014	0.00034	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:14	MFF
Chlorodibromomethane	ND	0.00071	0.00047	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:14	MFF
Chloroethane	ND	0.014	0.00099	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:14	MFF
Chloroform	ND	0.0028	0.00046	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:14	MFF
Chloromethane	ND	0.0071	0.00086	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:14	MFF
Cyclohexane	ND	0.0071	0.0029	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:14	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0014	0.00057	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:14	MFF
1,2-Dibromoethane (EDB)	ND	0.00071	0.00052	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:14	MFF
1,2-Dichlorobenzene	ND	0.0014	0.00045	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:14	MFF
1,3-Dichlorobenzene	ND	0.0014	0.00041	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:14	MFF
1,4-Dichlorobenzene	ND	0.0014	0.00044	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:14	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.014	0.00062	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:14	MFF
1,1-Dichloroethane	ND	0.0014	0.00043	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:14	MFF
1,2-Dichloroethane	ND	0.0014	0.00049	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:14	MFF
1,1-Dichloroethylene	ND	0.0028	0.00068	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:14	MFF
cis-1,2-Dichloroethylene	ND	0.0014	0.00049	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:14	MFF
trans-1,2-Dichloroethylene	ND	0.0014	0.00042	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:14	MFF
1,2-Dichloropropane	ND	0.0014	0.00044	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:14	MFF
cis-1,3-Dichloropropene	ND	0.00071	0.00054	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:14	MFF
trans-1,3-Dichloropropene	ND	0.00071	0.00055	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:14	MFF
Ethylbenzene	ND	0.0014	0.00041	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:14	MFF
2-Hexanone (MBK)	ND	0.014	0.0049	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:14	MFF
Isopropylbenzene (Cumene)	ND	0.0014	0.00055	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:14	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0014	0.00046	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:14	MFF
Methyl Acetate	ND	0.0014	0.00095	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:14	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0028	0.00063	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:14	MFF
Methyl Cyclohexane	ND	0.0014	0.00051	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:14	MFF
Methylene Chloride	ND	0.014	0.00067	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:14	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.014	0.0063	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:14	MFF
Naphthalene	ND	0.0028	0.00070	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:14	MFF
n-Propylbenzene	ND	0.0014	0.00047	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:14	MFF
Styrene	ND	0.0014	0.00045	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:14	MFF

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB104-SO-(2-4) Sampled: 12/17/2024 14:20

Sample ID: 24L1652-09

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.00071	0.00055	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:14	MFF
Tetrachloroethylene	ND	0.0014	0.00062	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:14	MFF
Toluene	ND	0.0014	0.00042	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:14	MFF
1,2,3-Trichlorobenzene	ND	0.0014	0.00047	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:14	MFF
1,2,4-Trichlorobenzene	ND	0.0014	0.00047	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:14	MFF
1,1,1-Trichloroethane	ND	0.0014	0.00042	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:14	MFF
1,1,2-Trichloroethane	ND	0.0014	0.00037	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:14	MFF
Trichloroethylene	ND	0.0014	0.00054	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:14	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0071	0.00084	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:14	MFF
1,2,3-Trichloropropane	ND	0.0014	0.00058	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:14	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0071	0.00074	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:14	MFF
1,2,4-Trimethylbenzene	ND	0.0014	0.00068	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:14	MFF
1,3,5-Trimethylbenzene	ND	0.0014	0.00057	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:14	MFF
Vinyl Chloride	ND	0.0071	0.00055	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:14	MFF
m+p Xylene	ND	0.0028	0.0010	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:14	MFF
o-Xylene	ND	0.0014	0.00048	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:14	MFF
Xylenes (total)	ND	0.0014	0.0014	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:14	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	98.1	70-130		12/24/24 8:14
Toluene-d8	99.6	70-130		12/24/24 8:14
4-Bromofluorobenzene	97.9	70-130		12/24/24 8:14

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB104-SO-(2-4) Sampled: 12/17/2024 14:20

Sample ID: 24L1652-09

Sample Matrix: Soil

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	mg/Kg dry			1			SW-846 8260D	12/24/24	12/24/24 8:14	MFF

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Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB104-SO-(2-4) Sampled: 12/17/2024 14:20

Sample ID: 24L1652-09

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,3,4,6-Tetrachlorophenol	ND	0.69	0.047	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:12	KMC
Atrazine	ND	0.69	0.045	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:12	KMC
Benzaldehyde	ND	0.35	0.055	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:12	KMC
Biphenyl	ND	0.69	0.044	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:12	KMC
Caprolactam	ND	0.35	0.060	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:12	KMC
Acenaphthene	ND	0.17	0.033	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:12	KMC
Acenaphthylene	ND	0.17	0.031	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:12	KMC
Acetophenone	ND	0.35	0.036	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:12	KMC
Aniline	ND	0.35	0.060	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:12	KMC
Anthracene	ND	0.17	0.031	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:12	KMC
Benzo(a)anthracene	ND	0.17	0.028	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:12	KMC
Benzo(a)pyrene	ND	0.17	0.031	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:12	KMC
Benzo(b)fluoranthene	ND	0.17	0.028	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:12	KMC
Benzo(g,h,i)perylene	ND	0.17	0.050	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:12	KMC
Benzo(k)fluoranthene	ND	0.17	0.031	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:12	KMC
Bis(2-chloroethoxy)methane	ND	0.35	0.037	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:12	KMC
Bis(2-chloroethyl)ether	ND	0.35	0.049	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:12	KMC
2,2'-oxybis(1-Chloropropane)	ND	0.35	0.22	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:12	KMC
Bis(2-Ethylhexyl)phthalate	0.24	0.35	0.041	mg/Kg dry	1	J, V-06	SW-846 8270E	12/28/24	12/30/24 13:12	KMC
4-Bromophenylphenylether	ND	0.35	0.032	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:12	KMC
Butylbenzylphthalate	ND	0.35	0.039	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:12	KMC
Carbazole	ND	0.17	0.035	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:12	KMC
4-Chloroaniline	ND	0.68	0.062	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:12	KMC
4-Chloro-3-methylphenol	ND	0.68	0.036	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:12	KMC
2-Chloronaphthalene	ND	0.35	0.030	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:12	KMC
2-Chlorophenol	ND	0.35	0.035	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:12	KMC
4-Chlorophenylphenylether	ND	0.35	0.029	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:12	KMC
Chrysene	ND	0.17	0.031	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:12	KMC
Dibenz(a,h)anthracene	ND	0.17	0.048	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:12	KMC
Dibenzofuran	ND	0.35	0.031	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:12	KMC
Di-n-butylphthalate	ND	0.35	0.13	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:12	KMC
3,3-Dichlorobenzidine	ND	0.17	0.075	mg/Kg dry	1	V-34	SW-846 8270E	12/28/24	12/30/24 13:12	KMC
2,4-Dichlorophenol	ND	0.35	0.033	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:12	KMC
Diethylphthalate	ND	0.35	0.033	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:12	KMC
2,4-Dimethylphenol	ND	0.35	0.080	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:12	KMC
Dimethylphthalate	ND	0.35	0.033	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:12	KMC
4,6-Dinitro-2-methylphenol	ND	0.35	0.27	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:12	KMC
2,4-Dinitrophenol	ND	0.68	0.27	mg/Kg dry	1	V-04	SW-846 8270E	12/28/24	12/30/24 13:12	KMC
2,4-Dinitrotoluene	ND	0.35	0.035	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:12	KMC
2,6-Dinitrotoluene	ND	0.35	0.037	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:12	KMC
Di-n-octylphthalate	ND	0.35	0.049	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:12	KMC
Fluoranthene	ND	0.17	0.029	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:12	KMC
Fluorene	ND	0.17	0.031	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:12	KMC
Hexachlorobenzene	ND	0.35	0.033	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:12	KMC

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB104-SO-(2-4) Sampled: 12/17/2024 14:20

Sample ID: 24L1652-09

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.35	0.031	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:12	KMC
Hexachlorocyclopentadiene	ND	0.35	0.23	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:12	KMC
Hexachloroethane	ND	0.35	0.032	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:12	KMC
Indeno(1,2,3-cd)pyrene	ND	0.17	0.056	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:12	KMC
Isophorone	ND	0.35	0.037	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:12	KMC
1-Methylnaphthalene	ND	0.17	0.035	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:12	KMC
2-Methylnaphthalene	ND	0.17	0.030	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:12	KMC
2-Methylphenol	ND	0.35	0.046	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:12	KMC
3/4-Methylphenol	ND	0.35	0.046	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:12	KMC
Naphthalene	ND	0.17	0.061	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:12	KMC
2-Nitroaniline	ND	0.35	0.042	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:12	KMC
3-Nitroaniline	ND	0.35	0.072	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:12	KMC
4-Nitroaniline	ND	0.35	0.039	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:12	KMC
Nitrobenzene	ND	0.35	0.044	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:12	KMC
2-Nitrophenol	ND	0.35	0.034	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:12	KMC
4-Nitrophenol	ND	0.68	0.093	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:12	KMC
N-Nitrosodiphenylamine/Diphenylamine	ND	0.35	0.044	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:12	KMC
N-Nitrosodi-n-propylamine	ND	0.35	0.048	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:12	KMC
Pentachlorophenol	ND	0.35	0.13	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:12	KMC
Phenanthrene	ND	0.17	0.031	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:12	KMC
Phenol	ND	0.35	0.044	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:12	KMC
Pyrene	ND	0.17	0.036	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:12	KMC
Pyridine	ND	0.35	0.041	mg/Kg dry	1	V-34	SW-846 8270E	12/28/24	12/30/24 13:12	KMC
1,2,4,5-Tetrachlorobenzene	ND	0.35	0.034	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:12	KMC
2,4,5-Trichlorophenol	ND	0.35	0.035	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:12	KMC
2,4,6-Trichlorophenol	ND	0.35	0.033	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:12	KMC

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	49.7	30-130		12/30/24 13:12
Phenol-d6	62.1	30-130		12/30/24 13:12
Nitrobenzene-d5	74.5	30-130		12/30/24 13:12
2-Fluorobiphenyl	72.4	30-130		12/30/24 13:12
2,4,6-Tribromophenol	50.5	30-130		12/30/24 13:12
p-Terphenyl-d14	108	30-130		12/30/24 13:12

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB104-SO-(2-4) Sampled: 12/17/2024 14:20

Sample ID: 24L1652-09

Sample Matrix: Soil

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.050	0.040	mg/Kg dry	1		SW-846 8270E	12/28/24	1/7/25 5:23	GJB

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	36.1	15-110		1/7/25 5:23	

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB104-SO-(2-4) Sampled: 12/17/2024 14:20

Sample ID: 24L1652-09

Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	0.79	0.27	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:12	AMS
Perfluoropentanoic acid (PFPeA)	ND	0.40	0.12	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:12	AMS
Perfluorohexanoic acid (PFHxA)	ND	0.20	0.081	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:12	AMS
Perfluoroheptanoic acid (PFHpA)	ND	0.20	0.082	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:12	AMS
Perfluorooctanoic acid (PFOA)	ND	0.20	0.068	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:12	AMS
Perfluorononanoic acid (PFNA)	ND	0.20	0.075	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:12	AMS
Perfluorodecanoic acid (PFDA)	0.063	0.20	0.062	µg/kg dry	1	J	Draft Method 1633	1/23/25	1/27/25 17:12	AMS
Perfluoroundecanoic acid (PFUnA)	ND	0.20	0.082	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:12	AMS
Perfluorododecanoic acid (PFDoA)	ND	0.20	0.074	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:12	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	0.20	0.063	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:12	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	0.20	0.067	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:12	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	0.20	0.063	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:12	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	0.20	0.064	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:12	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	0.20	0.074	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:12	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.20	0.10	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:12	AMS
Perfluorooctanesulfonic acid (PFOS)	0.30	0.20	0.060	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:12	AMS
Perfluorononanesulfonic acid (PFNS)	ND	0.20	0.049	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:12	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	0.20	0.064	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:12	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	0.20	0.057	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:12	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	0.79	0.29	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:12	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	0.79	0.28	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:12	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	0.79	0.36	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:12	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	0.20	0.081	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:12	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	0.20	0.055	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:12	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.20	0.089	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:12	AMS
N-MeFOSAA (NMeFOSAA)	ND	0.20	0.10	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:12	AMS
N-EtFOSAA (NEtFOSAA)	ND	0.20	0.091	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:12	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	2.0	0.64	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:12	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	2.0	0.70	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:12	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	0.79	0.33	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:12	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	0.79	0.31	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:12	AMS
9Cl-PF3ONS (F53B Minor)	ND	0.79	0.23	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:12	AMS
11Cl-PF3OUdS (F53B Major)	ND	0.79	0.26	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:12	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	0.99	0.48	µg/kg dry	1	L-03	Draft Method 1633	1/23/25	1/27/25 17:12	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	4.9	1.5	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:12	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	4.9	1.6	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:12	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	0.40	0.14	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:12	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	0.40	0.091	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:12	AMS

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB104-SO-(2-4) Sampled: 12/17/2024 14:20

Sample ID: 24L1652-09

Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	0.40	0.12	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:12	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	0.40	0.24	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:12	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C4-PFBA	70.2	8-130		1/27/25 17:12
13C5-PFPeA	104	35-130		1/27/25 17:12
13C5-PFHxA	110	40-130		1/27/25 17:12
13C4-PFHpA	106	40-130		1/27/25 17:12
13C8-PFOA	117	40-130		1/27/25 17:12
13C9-PFNA	105	40-130		1/27/25 17:12
13C6-PFDA	105	40-130		1/27/25 17:12
13C7-PFUnA	110	40-130		1/27/25 17:12
13C2-PFDoA	99.8	40-130		1/27/25 17:12
13C2-PFTeDA	101	20-130		1/27/25 17:12
13C3-PFBS	108	40-135		1/27/25 17:12
13C3-PFHxS	108	40-130		1/27/25 17:12
13C8-PFOS	112	40-130		1/27/25 17:12
13C2-4:2FTS	110	40-165		1/27/25 17:12
13C2-6:2FTS	121	40-215		1/27/25 17:12
13C2-8:2FTS	117	40-275		1/27/25 17:12
13C8-PFOSA	97.5	40-130		1/27/25 17:12
D3-NMeFOSA	92.5	10-130		1/27/25 17:12
D5-NEtFOSA	94.3	10-130		1/27/25 17:12
D3-NMeFOSAA	97.7	40-135		1/27/25 17:12
D5-NEtFOSAA	101	40-150		1/27/25 17:12
D7-NMeFOSE	99.4	20-130		1/27/25 17:12
D9-NEtFOSE	98.5	15-130		1/27/25 17:12
13C3-HFPO-DA	117	40-130		1/27/25 17:12

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB104-SO-(2-4) Sampled: 12/17/2024 14:20

Sample ID: 24L1652-09

Sample Matrix: Soil

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Decane, 2-methyl-	0.29	mg/Kg dry	138833	2.588	1	006975-98-0	83	SW-846 8270E	12/28/24	12/30/24 13:12	KMC
Furan, 2,5-dimethyl-	0.87	mg/Kg dry	419670	2.027	1	000625-86-5	97	SW-846 8270E	12/28/24	12/30/24 13:12	KMC
Heptane, 2,3-dimethyl-	0.63	mg/Kg dry	303829	2.722	1	003074-71-3	91	SW-846 8270E	12/28/24	12/30/24 13:12	KMC
Heptane, 2,4-dimethyl-	0.36	mg/Kg dry	171260	2.555	1	002213-23-2	87	SW-846 8270E	12/28/24	12/30/24 13:12	KMC
Heptane, 2,5-dimethyl-	0.98	mg/Kg dry	471927	2.619	1	002216-30-0	91	SW-846 8270E	12/28/24	12/30/24 13:12	KMC

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB104-SO-(2-4) Sampled: 12/17/2024 14:20

Sample ID: 24L1652-09

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
alpha-Chlordane [1]	ND	0.0049	0.0023	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:00	TG
gamma-Chlordane [1]	ND	0.0049	0.0021	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:00	TG
Aldrin [1]	ND	0.0049	0.00048	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:00	TG
alpha-BHC [1]	ND	0.0049	0.0023	mg/Kg dry	1	R-06	SW-846 8081B	12/28/24	1/8/25 17:00	TG
beta-BHC [1]	ND	0.0049	0.0026	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:00	TG
delta-BHC [1]	ND	0.0049	0.0026	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:00	TG
gamma-BHC (Lindane) [1]	ND	0.0020	0.00068	mg/Kg dry	1	R-06	SW-846 8081B	12/28/24	1/8/25 17:00	TG
4,4'-DDD [1]	ND	0.0039	0.00084	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:00	TG
4,4'-DDE [1]	ND	0.0039	0.00043	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:00	TG
4,4'-DDT [1]	ND	0.0039	0.00051	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:00	TG
Dieldrin [1]	ND	0.0039	0.00047	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:00	TG
Endosulfan I [1]	ND	0.0049	0.0024	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:00	TG
Endosulfan II [1]	ND	0.0079	0.0021	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:00	TG
Endosulfan sulfate [1]	ND	0.0079	0.0019	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:00	TG
Endrin [1]	ND	0.0079	0.0025	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:00	TG
Endrin aldehyde [1]	ND	0.0079	0.0019	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:00	TG
Endrin ketone [1]	ND	0.0079	0.0020	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:00	TG
Heptachlor [1]	ND	0.0049	0.00054	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:00	TG
Heptachlor epoxide [1]	ND	0.0049	0.00057	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:00	TG
Methoxychlor [1]	ND	0.049	0.0058	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:00	TG
Toxaphene [1]	ND	0.098	0.041	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:00	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	111	30-150		1/8/25 17:00
Decachlorobiphenyl [2]	129	30-150		1/8/25 17:00
Tetrachloro-m-xylene [1]	92.2	30-150		1/8/25 17:00
Tetrachloro-m-xylene [2]	95.9	30-150		1/8/25 17:00

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB104-SO-(2-4) Sampled: 12/17/2024 14:20

Sample ID: 24L1652-09

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.079	0.019	mg/Kg dry	4		SW-846 8082A	12/28/24	1/3/25 10:31	TG
Aroclor-1221 [1]	ND	0.079	0.036	mg/Kg dry	4		SW-846 8082A	12/28/24	1/3/25 10:31	TG
Aroclor-1232 [1]	ND	0.079	0.019	mg/Kg dry	4		SW-846 8082A	12/28/24	1/3/25 10:31	TG
Aroclor-1242 [1]	ND	0.079	0.022	mg/Kg dry	4		SW-846 8082A	12/28/24	1/3/25 10:31	TG
Aroclor-1248 [1]	ND	0.079	0.019	mg/Kg dry	4		SW-846 8082A	12/28/24	1/3/25 10:31	TG
Aroclor-1254 [1]	ND	0.079	0.023	mg/Kg dry	4		SW-846 8082A	12/28/24	1/3/25 10:31	TG
Aroclor-1260 [1]	ND	0.079	0.016	mg/Kg dry	4		SW-846 8082A	12/28/24	1/3/25 10:31	TG
Aroclor-1262 [1]	ND	0.079	0.020	mg/Kg dry	4		SW-846 8082A	12/28/24	1/3/25 10:31	TG
Aroclor-1268 [1]	ND	0.079	0.021	mg/Kg dry	4		SW-846 8082A	12/28/24	1/3/25 10:31	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	113	30-150		1/3/25 10:31
Decachlorobiphenyl [2]	104	30-150		1/3/25 10:31
Tetrachloro-m-xylene [1]	102	30-150		1/3/25 10:31
Tetrachloro-m-xylene [2]	89.7	30-150		1/3/25 10:31

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB104-SO-(2-4) Sampled: 12/17/2024 14:20

Sample ID: 24L1652-09

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	4000	17	5.4	mg/Kg dry	1		SW-846 6010D	12/30/24	1/18/25 21:45	MJH
Antimony	ND	1.7	0.45	mg/Kg dry	1		SW-846 6010D	12/30/24	1/2/25 16:40	DML
Arsenic	7.7	3.4	0.48	mg/Kg dry	1		SW-846 6010D	12/30/24	1/2/25 16:40	DML
Barium	21	1.7	0.36	mg/Kg dry	1		SW-846 6010D	12/30/24	1/2/25 16:40	DML
Beryllium	0.13	0.17	0.052	mg/Kg dry	1	J	SW-846 6010D	12/30/24	1/2/25 16:40	DML
Cadmium	ND	0.34	0.16	mg/Kg dry	1		SW-846 6010D	12/30/24	1/8/25 14:30	NC
Calcium	16000	17	8.8	mg/Kg dry	1		SW-846 6010D	12/30/24	1/8/25 14:30	NC
Chromium	8.4	0.68	0.43	mg/Kg dry	1		SW-846 6010D	12/30/24	1/2/25 16:40	DML
Cobalt	1.9	1.7	0.29	mg/Kg dry	1		SW-846 6010D	12/30/24	1/2/25 16:40	DML
Copper	19	1.4	1.2	mg/Kg dry	1	B	SW-846 6010D	1/20/25	1/27/25 19:15	NC
Iron	5100	17	7.9	mg/Kg dry	1		SW-846 6010D	12/30/24	1/8/25 14:30	NC
Lead	8.7	0.51	0.36	mg/Kg dry	1		SW-846 6010D	12/30/24	1/8/25 14:30	NC
Magnesium	1500	17	4.0	mg/Kg dry	1		SW-846 6010D	12/30/24	1/8/25 14:30	NC
Manganese	110	0.34	0.19	mg/Kg dry	1		SW-846 6010D	12/30/24	1/8/25 14:30	NC
Mercury	0.52	0.026	0.012	mg/Kg dry	1		SW-846 7471B	1/13/25	1/14/25 17:18	AAJ
Nickel	5.7	0.68	0.47	mg/Kg dry	1		SW-846 6010D	12/30/24	1/2/25 16:40	DML
Potassium	460	170	42	mg/Kg dry	1		SW-846 6010D	12/30/24	1/18/25 21:45	MJH
Selenium	ND	3.4	0.84	mg/Kg dry	1		SW-846 6010D	12/30/24	1/2/25 16:40	DML
Silver	ND	0.34	0.21	mg/Kg dry	1		SW-846 6010D	12/30/24	1/2/25 16:40	DML
Sodium	83	170	51	mg/Kg dry	1	J	SW-846 6010D	12/30/24	1/2/25 16:40	DML
Thallium	ND	1.7	0.54	mg/Kg dry	1		SW-846 6010D	12/30/24	1/9/25 17:39	NC
Vanadium	9.7	0.68	0.38	mg/Kg dry	1		SW-846 6010D	12/30/24	1/2/25 16:40	DML
Zinc	23	0.69	0.61	mg/Kg dry	1		SW-846 6010D	1/20/25	1/27/25 19:15	NC

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB104-SO-(2-4) Sampled: 12/17/2024 14:20

Sample ID: 24L1652-09

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.7			% Wt	1		SM 2540G	12/24/24	12/24/24 7:17	MLR
Cyanide	ND	0.48	0.36	mg/Kg dry	1	H-01	SW-846 9014	1/2/25	1/3/25 9:00	LL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB104-SO-(4-6) Sampled: 12/17/2024 14:25

Sample ID: 24L1652-10

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Mercury	0.61	0.026	0.012	mg/Kg dry	1		SW-846 7471B	1/13/25	1/14/25 17:20	AAJ

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB104-SO-(4-6) Sampled: 12/17/2024 14:25

Sample ID: 24L1652-10

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.1			% Wt	1		SM 2540G	12/24/24	12/24/24 7:17	MLR

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB104-SO-(6-8) Sampled: 12/17/2024 14:30

Sample ID: 24L1652-11

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Mercury	0.11	0.027	0.012	mg/Kg dry	1		SW-846 7471B	1/13/25	1/14/25 17:23	AAJ

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Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB104-SO-(6-8) Sampled: 12/17/2024 14:30

Sample ID: 24L1652-11

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.6			% Wt	1		SM 2540G	12/24/24	12/24/24 7:17	MLR

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Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB104-SO-(8-10) Sampled: 12/17/2024 14:35

Sample ID: 24L1652-12

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Mercury	0.28	0.028	0.013	mg/Kg dry	1		SW-846 7471B	1/13/25	1/14/25 17:24	AAJ

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Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB104-SO-(8-10) Sampled: 12/17/2024 14:35

Sample ID: 24L1652-12

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.6			% Wt	1		SM 2540G	12/24/24	12/24/24 7:17	MLR

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Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB104-SO-(10-12) Sampled: 12/17/2024 14:40

Sample ID: 24L1652-13

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.082	0.043	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:43	MFF
Benzene	ND	0.0016	0.00052	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:43	MFF
Bromochloromethane	ND	0.0016	0.00071	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:43	MFF
Bromodichloromethane	ND	0.0016	0.00042	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:43	MFF
Bromoform	ND	0.0016	0.00072	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:43	MFF
Bromomethane	ND	0.0082	0.0015	mg/Kg dry	1	V-34	SW-846 8260D	12/24/24	12/24/24 8:43	MFF
2-Butanone (MEK)	ND	0.033	0.0070	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:43	MFF
n-Butylbenzene	ND	0.0016	0.00060	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:43	MFF
sec-Butylbenzene	ND	0.0016	0.00066	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:43	MFF
tert-Butylbenzene	ND	0.0016	0.00060	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:43	MFF
Carbon Disulfide	ND	0.016	0.0083	mg/Kg dry	1	R-05	SW-846 8260D	12/24/24	12/24/24 8:43	MFF
Carbon Tetrachloride	ND	0.0016	0.00048	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:43	MFF
Chlorobenzene	ND	0.0016	0.00040	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:43	MFF
Chlorodibromomethane	ND	0.00082	0.00054	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:43	MFF
Chloroethane	ND	0.016	0.0012	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:43	MFF
Chloroform	ND	0.0033	0.00054	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:43	MFF
Chloromethane	ND	0.0082	0.0010	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:43	MFF
Cyclohexane	ND	0.0082	0.0033	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:43	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0016	0.00067	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:43	MFF
1,2-Dibromoethane (EDB)	ND	0.00082	0.00060	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:43	MFF
1,2-Dichlorobenzene	ND	0.0016	0.00053	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:43	MFF
1,3-Dichlorobenzene	ND	0.0016	0.00047	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:43	MFF
1,4-Dichlorobenzene	ND	0.0016	0.00051	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:43	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.016	0.00072	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:43	MFF
1,1-Dichloroethane	ND	0.0016	0.00050	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:43	MFF
1,2-Dichloroethane	ND	0.0016	0.00057	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:43	MFF
1,1-Dichloroethylene	ND	0.0033	0.00079	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:43	MFF
cis-1,2-Dichloroethylene	ND	0.0016	0.00057	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:43	MFF
trans-1,2-Dichloroethylene	ND	0.0016	0.00049	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:43	MFF
1,2-Dichloropropane	ND	0.0016	0.00051	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:43	MFF
cis-1,3-Dichloropropene	ND	0.00082	0.00062	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:43	MFF
trans-1,3-Dichloropropene	ND	0.00082	0.00063	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:43	MFF
Ethylbenzene	ND	0.0016	0.00047	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:43	MFF
2-Hexanone (MBK)	ND	0.016	0.0056	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:43	MFF
Isopropylbenzene (Cumene)	ND	0.0016	0.00064	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:43	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0016	0.00053	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:43	MFF
Methyl Acetate	ND	0.0016	0.0011	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:43	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0033	0.00072	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:43	MFF
Methyl Cyclohexane	ND	0.0016	0.00059	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:43	MFF
Methylene Chloride	ND	0.016	0.00077	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:43	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.016	0.0072	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:43	MFF
Naphthalene	ND	0.0033	0.00081	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:43	MFF
n-Propylbenzene	ND	0.0016	0.00054	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:43	MFF
Styrene	ND	0.0016	0.00052	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:43	MFF

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Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB104-SO-(10-12) Sampled: 12/17/2024 14:40

Sample ID: 24L1652-13

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.00082	0.00063	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:43	MFF
Tetrachloroethylene	ND	0.0016	0.00072	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:43	MFF
Toluene	ND	0.0016	0.00049	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:43	MFF
1,2,3-Trichlorobenzene	ND	0.0016	0.00054	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:43	MFF
1,2,4-Trichlorobenzene	ND	0.0016	0.00054	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:43	MFF
1,1,1-Trichloroethane	ND	0.0016	0.00049	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:43	MFF
1,1,2-Trichloroethane	ND	0.0016	0.00042	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:43	MFF
Trichloroethylene	ND	0.0016	0.00062	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:43	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0082	0.00097	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:43	MFF
1,2,3-Trichloropropane	ND	0.0016	0.00067	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:43	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0082	0.00086	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:43	MFF
1,2,4-Trimethylbenzene	ND	0.0016	0.00079	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:43	MFF
1,3,5-Trimethylbenzene	ND	0.0016	0.00066	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:43	MFF
Vinyl Chloride	ND	0.0082	0.00064	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:43	MFF
m+p Xylene	ND	0.0033	0.0012	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:43	MFF
o-Xylene	ND	0.0016	0.00056	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:43	MFF
Xylenes (total)	ND	0.0016	0.0016	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 8:43	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	98.9	70-130		12/24/24 8:43
Toluene-d8	100	70-130		12/24/24 8:43
4-Bromofluorobenzene	101	70-130		12/24/24 8:43

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Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB104-SO-(10-12) Sampled: 12/17/2024 14:40

Sample ID: 24L1652-13

Sample Matrix: Soil

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	mg/Kg dry			1			SW-846 8260D	12/24/24	12/24/24 8:43	MFF

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Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB104-SO-(10-12) Sampled: 12/17/2024 14:40

Sample ID: 24L1652-13

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,3,4,6-Tetrachlorophenol	ND	0.77	0.053	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:33	KMC
Atrazine	ND	0.77	0.050	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:33	KMC
Benzaldehyde	ND	0.39	0.062	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:33	KMC
Biphenyl	ND	0.77	0.049	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:33	KMC
Caprolactam	ND	0.39	0.067	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:33	KMC
Acenaphthene	ND	0.19	0.037	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:33	KMC
Acenaphthylene	ND	0.19	0.035	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:33	KMC
Acetophenone	ND	0.39	0.041	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:33	KMC
Aniline	ND	0.39	0.067	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:33	KMC
Anthracene	ND	0.19	0.034	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:33	KMC
Benzo(a)anthracene	ND	0.19	0.032	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:33	KMC
Benzo(a)pyrene	ND	0.19	0.035	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:33	KMC
Benzo(b)fluoranthene	ND	0.19	0.031	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:33	KMC
Benzo(g,h,i)perylene	ND	0.19	0.056	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:33	KMC
Benzo(k)fluoranthene	ND	0.19	0.035	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:33	KMC
Bis(2-chloroethoxy)methane	ND	0.39	0.042	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:33	KMC
Bis(2-chloroethyl)ether	ND	0.39	0.055	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:33	KMC
2,2'-oxybis(1-Chloropropane)	ND	0.39	0.25	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:33	KMC
Bis(2-Ethylhexyl)phthalate	0.80	0.39	0.046	mg/Kg dry	1	V-06	SW-846 8270E	12/28/24	12/30/24 13:33	KMC
4-Bromophenylphenylether	ND	0.39	0.035	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:33	KMC
Butylbenzylphthalate	ND	0.39	0.043	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:33	KMC
Carbazole	ND	0.19	0.039	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:33	KMC
4-Chloroaniline	ND	0.76	0.069	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:33	KMC
4-Chloro-3-methylphenol	ND	0.76	0.041	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:33	KMC
2-Chloronaphthalene	ND	0.39	0.034	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:33	KMC
2-Chlorophenol	ND	0.39	0.039	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:33	KMC
4-Chlorophenylphenylether	ND	0.39	0.032	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:33	KMC
Chrysene	ND	0.19	0.035	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:33	KMC
Dibenz(a,h)anthracene	ND	0.19	0.054	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:33	KMC
Dibenzofuran	ND	0.39	0.035	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:33	KMC
Di-n-butylphthalate	ND	0.39	0.15	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:33	KMC
3,3-Dichlorobenzidine	ND	0.19	0.084	mg/Kg dry	1	V-34	SW-846 8270E	12/28/24	12/30/24 13:33	KMC
2,4-Dichlorophenol	ND	0.39	0.037	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:33	KMC
Diethylphthalate	ND	0.39	0.037	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:33	KMC
2,4-Dimethylphenol	ND	0.39	0.090	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:33	KMC
Dimethylphthalate	ND	0.39	0.037	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:33	KMC
4,6-Dinitro-2-methylphenol	ND	0.39	0.31	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:33	KMC
2,4-Dinitrophenol	ND	0.76	0.30	mg/Kg dry	1	V-04	SW-846 8270E	12/28/24	12/30/24 13:33	KMC
2,4-Dinitrotoluene	ND	0.39	0.039	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:33	KMC
2,6-Dinitrotoluene	ND	0.39	0.041	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:33	KMC
Di-n-octylphthalate	ND	0.39	0.055	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:33	KMC
Fluoranthene	ND	0.19	0.032	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:33	KMC
Fluorene	ND	0.19	0.035	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:33	KMC
Hexachlorobenzene	ND	0.39	0.037	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:33	KMC

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Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB104-SO-(10-12) Sampled: 12/17/2024 14:40

Sample ID: 24L1652-13

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.39	0.035	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:33	KMC
Hexachlorocyclopentadiene	ND	0.39	0.26	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:33	KMC
Hexachloroethane	ND	0.39	0.036	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:33	KMC
Indeno(1,2,3-cd)pyrene	ND	0.19	0.063	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:33	KMC
Isophorone	ND	0.39	0.041	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:33	KMC
1-Methylnaphthalene	ND	0.19	0.039	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:33	KMC
2-Methylnaphthalene	ND	0.19	0.033	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:33	KMC
2-Methylphenol	ND	0.39	0.052	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:33	KMC
3/4-Methylphenol	ND	0.39	0.051	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:33	KMC
Naphthalene	ND	0.19	0.068	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:33	KMC
2-Nitroaniline	ND	0.39	0.047	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:33	KMC
3-Nitroaniline	ND	0.39	0.081	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:33	KMC
4-Nitroaniline	ND	0.39	0.043	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:33	KMC
Nitrobenzene	ND	0.39	0.049	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:33	KMC
2-Nitrophenol	ND	0.39	0.038	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:33	KMC
4-Nitrophenol	ND	0.76	0.10	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:33	KMC
N-Nitrosodiphenylamine/Diphenylamine	ND	0.39	0.049	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:33	KMC
N-Nitrosodi-n-propylamine	ND	0.39	0.054	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:33	KMC
Pentachlorophenol	ND	0.39	0.14	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:33	KMC
Phenanthrene	ND	0.19	0.034	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:33	KMC
Phenol	ND	0.39	0.049	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:33	KMC
Pyrene	ND	0.19	0.041	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:33	KMC
Pyridine	ND	0.39	0.045	mg/Kg dry	1	V-34	SW-846 8270E	12/28/24	12/30/24 13:33	KMC
1,2,4,5-Tetrachlorobenzene	ND	0.39	0.038	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:33	KMC
2,4,5-Trichlorophenol	ND	0.39	0.040	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:33	KMC
2,4,6-Trichlorophenol	ND	0.39	0.037	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:33	KMC

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
2-Fluorophenol	**22.8**	*	30-130	S-07	12/30/24 13:33
Phenol-d6	51.1		30-130		12/30/24 13:33
Nitrobenzene-d5	69.8		30-130		12/30/24 13:33
2-Fluorobiphenyl	65.4		30-130		12/30/24 13:33
2,4,6-Tribromophenol	38.3		30-130		12/30/24 13:33
p-Terphenyl-d14	110		30-130		12/30/24 13:33

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB104-SO-(10-12) Sampled: 12/17/2024 14:40

Sample ID: 24L1652-13

Sample Matrix: Soil

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.058	0.046	mg/Kg dry	1		SW-846 8270E	12/28/24	1/7/25 3:45	GJB

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	52.3	15-110		1/7/25 3:45	

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Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB104-SO-(10-12) Sampled: 12/17/2024 14:40

Sample ID: 24L1652-13

Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	0.79	0.27	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:21	AMS
Perfluoropentanoic acid (PFPeA)	ND	0.40	0.12	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:21	AMS
Perfluorohexanoic acid (PFHxA)	ND	0.20	0.081	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:21	AMS
Perfluoroheptanoic acid (PFHpA)	ND	0.20	0.082	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:21	AMS
Perfluorooctanoic acid (PFOA)	ND	0.20	0.069	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:21	AMS
Perfluorononanoic acid (PFNA)	ND	0.20	0.075	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:21	AMS
Perfluorodecanoic acid (PFDA)	ND	0.20	0.063	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:21	AMS
Perfluoroundecanoic acid (PFUnA)	ND	0.20	0.082	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:21	AMS
Perfluorododecanoic acid (PFDoA)	ND	0.20	0.074	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:21	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	0.20	0.063	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:21	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	0.20	0.067	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:21	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	0.20	0.063	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:21	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	0.20	0.064	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:21	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	0.20	0.075	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:21	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.20	0.10	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:21	AMS
Perfluorooctanesulfonic acid (PFOS)	ND	0.20	0.060	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:21	AMS
Perfluorononanesulfonic acid (PFNS)	ND	0.20	0.050	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:21	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	0.20	0.064	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:21	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	0.20	0.057	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:21	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	0.79	0.29	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:21	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	0.79	0.28	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:21	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	0.79	0.37	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:21	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	0.20	0.081	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:21	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	0.20	0.055	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:21	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.20	0.089	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:21	AMS
N-MeFOSAA (NMeFOSAA)	ND	0.20	0.10	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:21	AMS
N-EtFOSAA (NEtFOSAA)	ND	0.20	0.091	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:21	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	2.0	0.64	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:21	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	2.0	0.71	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:21	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	0.79	0.33	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:21	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	0.79	0.32	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:21	AMS
9Cl-PF3ONS (F53B Minor)	ND	0.79	0.23	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:21	AMS
11Cl-PF3OUdS (F53B Major)	ND	0.79	0.26	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:21	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	0.99	0.49	µg/kg dry	1	L-03	Draft Method 1633	1/23/25	1/27/25 17:21	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	5.0	1.5	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:21	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	5.0	1.6	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:21	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	0.40	0.14	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:21	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	0.40	0.092	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:21	AMS

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB104-SO-(10-12) Sampled: 12/17/2024 14:40

Sample ID: 24L1652-13

Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	0.40	0.12	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:21	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	0.40	0.24	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:21	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C4-PFBA	71.7	8-130		1/27/25 17:21
13C5-PFPeA	101	35-130		1/27/25 17:21
13C5-PFHxA	110	40-130		1/27/25 17:21
13C4-PFHpA	111	40-130		1/27/25 17:21
13C8-PFOA	118	40-130		1/27/25 17:21
13C9-PFNA	114	40-130		1/27/25 17:21
13C6-PFDA	112	40-130		1/27/25 17:21
13C7-PFUnA	113	40-130		1/27/25 17:21
13C2-PFDoA	109	40-130		1/27/25 17:21
13C2-PFTeDA	108	20-130		1/27/25 17:21
13C3-PFBS	108	40-135		1/27/25 17:21
13C3-PFHxS	109	40-130		1/27/25 17:21
13C8-PFOS	117	40-130		1/27/25 17:21
13C2-4:2FTS	112	40-165		1/27/25 17:21
13C2-6:2FTS	122	40-215		1/27/25 17:21
13C2-8:2FTS	121	40-275		1/27/25 17:21
13C8-PFOSA	94.9	40-130		1/27/25 17:21
D3-NMeFOSA	102	10-130		1/27/25 17:21
D5-NEtFOSA	97.8	10-130		1/27/25 17:21
D3-NMeFOSAA	110	40-135		1/27/25 17:21
D5-NEtFOSAA	112	40-150		1/27/25 17:21
D7-NMeFOSE	100	20-130		1/27/25 17:21
D9-NEtFOSE	99.2	15-130		1/27/25 17:21
13C3-HFPO-DA	116	40-130		1/27/25 17:21

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB104-SO-(10-12) Sampled: 12/17/2024 14:40

Sample ID: 24L1652-13

Sample Matrix: Soil

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Furan, 2,5-dimethyl-	1.2	mg/Kg dry	430695	2.024	1	000625-86-5	94	SW-846 8270E	12/28/24	12/30/24 13:33	KMC
Heptane, 2,4-dimethyl-	0.37	mg/Kg dry	138009	2.555	1	002213-23-2	95	SW-846 8270E	12/28/24	12/30/24 13:33	KMC
Heptane, 2,5-dimethyl-	0.71	mg/Kg dry	266475	2.619	1	002216-30-0	86	SW-846 8270E	12/28/24	12/30/24 13:33	KMC

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB104-SO-(10-12) Sampled: 12/17/2024 14:40

Sample ID: 24L1652-13

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
alpha-Chlordane [1]	ND	0.0054	0.0025	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:12	TG
gamma-Chlordane [1]	ND	0.0054	0.0024	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:12	TG
Aldrin [1]	ND	0.0054	0.00053	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:12	TG
alpha-BHC [1]	ND	0.0054	0.0026	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:12	TG
beta-BHC [1]	ND	0.0054	0.0029	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:12	TG
delta-BHC [1]	ND	0.0054	0.0029	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:12	TG
gamma-BHC (Lindane) [1]	ND	0.0022	0.00075	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:12	TG
4,4'-DDD [1]	ND	0.0043	0.00092	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:12	TG
4,4'-DDE [1]	ND	0.0043	0.00048	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:12	TG
4,4'-DDT [1]	ND	0.0043	0.00056	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:12	TG
Dieldrin [1]	ND	0.0043	0.00052	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:12	TG
Endosulfan I [1]	ND	0.0054	0.0026	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:12	TG
Endosulfan II [1]	ND	0.0087	0.0023	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:12	TG
Endosulfan sulfate [1]	ND	0.0087	0.0021	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:12	TG
Endrin [1]	ND	0.0087	0.0027	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:12	TG
Endrin aldehyde [1]	ND	0.0087	0.0021	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:12	TG
Endrin ketone [1]	ND	0.0087	0.0022	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:12	TG
Heptachlor [1]	ND	0.0054	0.00059	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:12	TG
Heptachlor epoxide [1]	ND	0.0054	0.00063	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:12	TG
Methoxychlor [1]	ND	0.054	0.0064	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:12	TG
Toxaphene [1]	ND	0.11	0.045	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:12	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	113	30-150		1/8/25 17:12
Decachlorobiphenyl [2]	119	30-150		1/8/25 17:12
Tetrachloro-m-xylene [1]	100	30-150		1/8/25 17:12
Tetrachloro-m-xylene [2]	104	30-150		1/8/25 17:12

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB104-SO-(10-12) Sampled: 12/17/2024 14:40

Sample ID: 24L1652-13

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	0.021	mg/Kg dry	4		SW-846 8082A	12/28/24	1/3/25 10:43	TG
Aroclor-1221 [1]	ND	0.087	0.040	mg/Kg dry	4		SW-846 8082A	12/28/24	1/3/25 10:43	TG
Aroclor-1232 [1]	ND	0.087	0.021	mg/Kg dry	4		SW-846 8082A	12/28/24	1/3/25 10:43	TG
Aroclor-1242 [1]	ND	0.087	0.024	mg/Kg dry	4		SW-846 8082A	12/28/24	1/3/25 10:43	TG
Aroclor-1248 [1]	ND	0.087	0.021	mg/Kg dry	4		SW-846 8082A	12/28/24	1/3/25 10:43	TG
Aroclor-1254 [1]	ND	0.087	0.026	mg/Kg dry	4		SW-846 8082A	12/28/24	1/3/25 10:43	TG
Aroclor-1260 [1]	ND	0.087	0.018	mg/Kg dry	4		SW-846 8082A	12/28/24	1/3/25 10:43	TG
Aroclor-1262 [1]	ND	0.087	0.022	mg/Kg dry	4		SW-846 8082A	12/28/24	1/3/25 10:43	TG
Aroclor-1268 [1]	ND	0.087	0.023	mg/Kg dry	4		SW-846 8082A	12/28/24	1/3/25 10:43	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	123	30-150		1/3/25 10:43
Decachlorobiphenyl [2]	114	30-150		1/3/25 10:43
Tetrachloro-m-xylene [1]	113	30-150		1/3/25 10:43
Tetrachloro-m-xylene [2]	98.8	30-150		1/3/25 10:43

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB104-SO-(10-12) Sampled: 12/17/2024 14:40

Sample ID: 24L1652-13

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	2900	19	6.1	mg/Kg dry	1		SW-846 6010D	12/30/24	1/18/25 21:53	MJH
Antimony	ND	1.9	0.52	mg/Kg dry	1		SW-846 6010D	12/30/24	1/2/25 16:48	DML
Arsenic	3.3	3.9	0.55	mg/Kg dry	1	J	SW-846 6010D	12/30/24	1/2/25 16:48	DML
Barium	14	1.9	0.41	mg/Kg dry	1		SW-846 6010D	12/30/24	1/2/25 16:48	DML
Beryllium	0.095	0.19	0.059	mg/Kg dry	1	J	SW-846 6010D	12/30/24	1/2/25 16:48	DML
Cadmium	ND	0.39	0.18	mg/Kg dry	1		SW-846 6010D	12/30/24	1/8/25 14:35	NC
Calcium	7300	19	10	mg/Kg dry	1		SW-846 6010D	12/30/24	1/8/25 14:35	NC
Chromium	5.9	0.78	0.49	mg/Kg dry	1		SW-846 6010D	12/30/24	1/2/25 16:48	DML
Cobalt	1.9	1.9	0.33	mg/Kg dry	1	J	SW-846 6010D	12/30/24	1/2/25 16:48	DML
Copper	12	1.5	1.4	mg/Kg dry	1	B	SW-846 6010D	1/20/25	1/27/25 19:21	NC
Iron	4500	19	9.0	mg/Kg dry	1		SW-846 6010D	12/30/24	1/8/25 14:35	NC
Lead	6.8	0.58	0.41	mg/Kg dry	1		SW-846 6010D	12/30/24	1/8/25 14:35	NC
Magnesium	1200	19	4.5	mg/Kg dry	1		SW-846 6010D	12/30/24	1/8/25 14:35	NC
Manganese	130	0.39	0.22	mg/Kg dry	1		SW-846 6010D	12/30/24	1/8/25 14:35	NC
Mercury	0.36	0.030	0.013	mg/Kg dry	1		SW-846 7471B	1/13/25	1/14/25 17:26	AAJ
Nickel	4.7	0.78	0.54	mg/Kg dry	1		SW-846 6010D	12/30/24	1/2/25 16:48	DML
Potassium	310	190	48	mg/Kg dry	1		SW-846 6010D	12/30/24	1/18/25 21:53	MJH
Selenium	ND	3.9	0.97	mg/Kg dry	1		SW-846 6010D	12/30/24	1/2/25 16:48	DML
Silver	ND	0.39	0.24	mg/Kg dry	1		SW-846 6010D	12/30/24	1/2/25 16:48	DML
Sodium	ND	190	58	mg/Kg dry	1		SW-846 6010D	12/30/24	1/2/25 16:48	DML
Thallium	ND	1.9	0.62	mg/Kg dry	1		SW-846 6010D	12/30/24	1/9/25 17:45	NC
Vanadium	8.1	0.78	0.43	mg/Kg dry	1		SW-846 6010D	12/30/24	1/2/25 16:48	DML
Zinc	12	0.76	0.67	mg/Kg dry	1		SW-846 6010D	1/20/25	1/27/25 19:21	NC

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Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB104-SO-(10-12) Sampled: 12/17/2024 14:40

Sample ID: 24L1652-13

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.1			% Wt	1		SM 2540G	12/24/24	12/24/24 7:17	MLR
Cyanide	ND	0.57	0.43	mg/Kg dry	1	H-01	SW-846 9014	1/2/25	1/3/25 9:00	LL

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Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB104-SO-(12-14) Sampled: 12/17/2024 14:45

Sample ID: 24L1652-14

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Mercury	ND	0.025	0.011	mg/Kg dry	1		SW-846 7471B	1/13/25	1/14/25 17:31	AAJ

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Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB104-SO-(12-14) Sampled: 12/17/2024 14:45

Sample ID: 24L1652-14

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.7			% Wt	1		SM 2540G	12/24/24	12/24/24 7:17	MLR

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Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB104-SO-(14-16) Sampled: 12/17/2024 14:50

Sample ID: 24L1652-15

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Mercury	ND	0.027	0.012	mg/Kg dry	1		SW-846 7471B	1/13/25	1/14/25 17:33	AAJ

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Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB104-SO-(14-16) Sampled: 12/17/2024 14:50

Sample ID: 24L1652-15

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.4			% Wt	1		SM 2540G	12/24/24	12/24/24 7:17	MLR

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Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB106-SO-(0-2) Sampled: 12/17/2024 12:55

Sample ID: 24L1652-16

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Mercury	ND	0.026	0.012	mg/Kg dry	1		SW-846 7471B	1/13/25	1/14/25 17:35	AAJ

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Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB106-SO-(0-2) Sampled: 12/17/2024 12:55

Sample ID: 24L1652-16

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.1			% Wt	1		SM 2540G	12/24/24	12/24/24 7:17	MLR

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Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB106-SO-(2-4) Sampled: 12/17/2024 13:15

Sample ID: 24L1652-17

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.13	0.067	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:09	MFF
Benzene	ND	0.0026	0.00081	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:09	MFF
Bromochloromethane	ND	0.0026	0.0011	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:09	MFF
Bromodichloromethane	ND	0.0026	0.00066	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:09	MFF
Bromoform	ND	0.0026	0.0011	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:09	MFF
Bromomethane	ND	0.013	0.0023	mg/Kg dry	1	V-34	SW-846 8260D	12/24/24	12/24/24 9:09	MFF
2-Butanone (MEK)	ND	0.051	0.011	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:09	MFF
n-Butylbenzene	ND	0.0026	0.00093	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:09	MFF
sec-Butylbenzene	ND	0.0026	0.0010	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:09	MFF
tert-Butylbenzene	ND	0.0026	0.00093	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:09	MFF
Carbon Disulfide	ND	0.026	0.013	mg/Kg dry	1	R-05	SW-846 8260D	12/24/24	12/24/24 9:09	MFF
Carbon Tetrachloride	ND	0.0026	0.00075	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:09	MFF
Chlorobenzene	ND	0.0026	0.00062	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:09	MFF
Chlorodibromomethane	ND	0.0013	0.00085	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:09	MFF
Chloroethane	ND	0.026	0.0018	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:09	MFF
Chloroform	ND	0.0051	0.00084	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:09	MFF
Chloromethane	ND	0.013	0.0016	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:09	MFF
Cyclohexane	ND	0.013	0.0052	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:09	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0026	0.0010	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:09	MFF
1,2-Dibromoethane (EDB)	ND	0.0013	0.00094	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:09	MFF
1,2-Dichlorobenzene	ND	0.0026	0.00082	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:09	MFF
1,3-Dichlorobenzene	ND	0.0026	0.00074	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:09	MFF
1,4-Dichlorobenzene	ND	0.0026	0.00080	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:09	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.026	0.0011	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:09	MFF
1,1-Dichloroethane	ND	0.0026	0.00078	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:09	MFF
1,2-Dichloroethane	ND	0.0026	0.00089	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:09	MFF
1,1-Dichloroethylene	ND	0.0051	0.0012	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:09	MFF
cis-1,2-Dichloroethylene	ND	0.0026	0.00089	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:09	MFF
trans-1,2-Dichloroethylene	ND	0.0026	0.00077	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:09	MFF
1,2-Dichloropropane	ND	0.0026	0.00079	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:09	MFF
cis-1,3-Dichloropropene	ND	0.0013	0.00098	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:09	MFF
trans-1,3-Dichloropropene	ND	0.0013	0.00099	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:09	MFF
Ethylbenzene	ND	0.0026	0.00074	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:09	MFF
2-Hexanone (MBK)	ND	0.026	0.0088	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:09	MFF
Isopropylbenzene (Cumene)	ND	0.0026	0.00099	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:09	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0026	0.00083	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:09	MFF
Methyl Acetate	ND	0.0026	0.0017	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:09	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0051	0.0011	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:09	MFF
Methyl Cyclohexane	ND	0.0026	0.00092	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:09	MFF
Methylene Chloride	ND	0.026	0.0012	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:09	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.026	0.011	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:09	MFF
Naphthalene	ND	0.0051	0.0013	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:09	MFF
n-Propylbenzene	ND	0.0026	0.00085	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:09	MFF
Styrene	ND	0.0026	0.00082	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:09	MFF

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB106-SO-(2-4) Sampled: 12/17/2024 13:15

Sample ID: 24L1652-17

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.0013	0.00099	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:09	MFF
Tetrachloroethylene	ND	0.0026	0.0011	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:09	MFF
Toluene	ND	0.0026	0.00076	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:09	MFF
1,2,3-Trichlorobenzene	ND	0.0026	0.00085	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:09	MFF
1,2,4-Trichlorobenzene	ND	0.0026	0.00085	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:09	MFF
1,1,1-Trichloroethane	ND	0.0026	0.00076	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:09	MFF
1,1,2-Trichloroethane	ND	0.0026	0.00066	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:09	MFF
Trichloroethylene	ND	0.0026	0.00097	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:09	MFF
Trichlorofluoromethane (Freon 11)	ND	0.013	0.0015	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:09	MFF
1,2,3-Trichloropropane	ND	0.0026	0.0010	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:09	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.013	0.0013	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:09	MFF
1,2,4-Trimethylbenzene	ND	0.0026	0.0012	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:09	MFF
1,3,5-Trimethylbenzene	ND	0.0026	0.0010	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:09	MFF
Vinyl Chloride	ND	0.013	0.0010	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:09	MFF
m+p Xylene	ND	0.0051	0.0019	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:09	MFF
o-Xylene	ND	0.0026	0.00087	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:09	MFF
Xylenes (total)	ND	0.0026	0.0026	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:09	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	103	70-130		12/24/24 9:09
Toluene-d8	101	70-130		12/24/24 9:09
4-Bromofluorobenzene	96.7	70-130		12/24/24 9:09

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Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB106-SO-(2-4) Sampled: 12/17/2024 13:15

Sample ID: 24L1652-17

Sample Matrix: Soil

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	mg/Kg dry			1			SW-846 8260D	12/24/24	12/24/24 9:09	MFF

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Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB106-SO-(2-4) Sampled: 12/17/2024 13:15

Sample ID: 24L1652-17

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,3,4,6-Tetrachlorophenol	ND	0.71	0.049	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:54	KMC
Atrazine	ND	0.71	0.046	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:54	KMC
Benzaldehyde	ND	0.36	0.058	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:54	KMC
Biphenyl	ND	0.71	0.046	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:54	KMC
Caprolactam	ND	0.36	0.062	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:54	KMC
Acenaphthene	ND	0.18	0.035	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:54	KMC
Acenaphthylene	ND	0.18	0.033	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:54	KMC
Acetophenone	ND	0.36	0.038	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:54	KMC
Aniline	ND	0.36	0.063	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:54	KMC
Anthracene	ND	0.18	0.032	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:54	KMC
Benzo(a)anthracene	ND	0.18	0.029	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:54	KMC
Benzo(a)pyrene	ND	0.18	0.033	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:54	KMC
Benzo(b)fluoranthene	ND	0.18	0.029	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:54	KMC
Benzo(g,h,i)perylene	ND	0.18	0.052	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:54	KMC
Benzo(k)fluoranthene	ND	0.18	0.033	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:54	KMC
Bis(2-chloroethoxy)methane	ND	0.36	0.039	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:54	KMC
Bis(2-chloroethyl)ether	ND	0.36	0.051	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:54	KMC
2,2'-oxybis(1-Chloropropane)	ND	0.36	0.23	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:54	KMC
Bis(2-Ethylhexyl)phthalate	0.27	0.36	0.043	mg/Kg dry	1	J, V-06	SW-846 8270E	12/28/24	12/30/24 13:54	KMC
4-Bromophenylphenylether	ND	0.36	0.033	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:54	KMC
Butylbenzylphthalate	ND	0.36	0.040	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:54	KMC
Carbazole	ND	0.18	0.036	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:54	KMC
4-Chloroaniline	ND	0.70	0.064	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:54	KMC
4-Chloro-3-methylphenol	ND	0.70	0.038	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:54	KMC
2-Chloronaphthalene	ND	0.36	0.032	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:54	KMC
2-Chlorophenol	ND	0.36	0.036	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:54	KMC
4-Chlorophenylphenylether	ND	0.36	0.030	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:54	KMC
Chrysene	ND	0.18	0.032	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:54	KMC
Dibenz(a,h)anthracene	ND	0.18	0.050	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:54	KMC
Dibenzofuran	ND	0.36	0.032	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:54	KMC
Di-n-butylphthalate	ND	0.36	0.14	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:54	KMC
3,3-Dichlorobenzidine	ND	0.18	0.078	mg/Kg dry	1	V-34	SW-846 8270E	12/28/24	12/30/24 13:54	KMC
2,4-Dichlorophenol	ND	0.36	0.034	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:54	KMC
Diethylphthalate	ND	0.36	0.035	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:54	KMC
2,4-Dimethylphenol	ND	0.36	0.083	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:54	KMC
Dimethylphthalate	ND	0.36	0.034	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:54	KMC
4,6-Dinitro-2-methylphenol	ND	0.36	0.28	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:54	KMC
2,4-Dinitrophenol	ND	0.70	0.28	mg/Kg dry	1	V-04	SW-846 8270E	12/28/24	12/30/24 13:54	KMC
2,4-Dinitrotoluene	ND	0.36	0.037	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:54	KMC
2,6-Dinitrotoluene	ND	0.36	0.038	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:54	KMC
Di-n-octylphthalate	0.27	0.36	0.051	mg/Kg dry	1	J	SW-846 8270E	12/28/24	12/30/24 13:54	KMC
Fluoranthene	ND	0.18	0.030	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:54	KMC
Fluorene	ND	0.18	0.032	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:54	KMC
Hexachlorobenzene	ND	0.36	0.035	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:54	KMC

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB106-SO-(2-4) Sampled: 12/17/2024 13:15

Sample ID: 24L1652-17

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.36	0.033	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:54	KMC
Hexachlorocyclopentadiene	ND	0.36	0.24	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:54	KMC
Hexachloroethane	ND	0.36	0.033	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:54	KMC
Indeno(1,2,3-cd)pyrene	ND	0.18	0.059	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:54	KMC
Isophorone	ND	0.36	0.038	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:54	KMC
1-Methylnaphthalene	ND	0.18	0.036	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:54	KMC
2-Methylnaphthalene	ND	0.18	0.031	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:54	KMC
2-Methylphenol	ND	0.36	0.048	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:54	KMC
3/4-Methylphenol	ND	0.36	0.048	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:54	KMC
Naphthalene	ND	0.18	0.063	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:54	KMC
2-Nitroaniline	ND	0.36	0.044	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:54	KMC
3-Nitroaniline	ND	0.36	0.075	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:54	KMC
4-Nitroaniline	ND	0.36	0.040	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:54	KMC
Nitrobenzene	ND	0.36	0.045	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:54	KMC
2-Nitrophenol	ND	0.36	0.035	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:54	KMC
4-Nitrophenol	ND	0.70	0.096	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:54	KMC
N-Nitrosodiphenylamine/Diphenylamine	ND	0.36	0.046	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:54	KMC
N-Nitrosodi-n-propylamine	ND	0.36	0.050	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:54	KMC
Pentachlorophenol	ND	0.36	0.13	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:54	KMC
Phenanthrene	ND	0.18	0.032	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:54	KMC
Phenol	ND	0.36	0.046	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:54	KMC
Pyrene	ND	0.18	0.038	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:54	KMC
Pyridine	ND	0.36	0.042	mg/Kg dry	1	V-34	SW-846 8270E	12/28/24	12/30/24 13:54	KMC
1,2,4,5-Tetrachlorobenzene	ND	0.36	0.036	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:54	KMC
2,4,5-Trichlorophenol	ND	0.36	0.037	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:54	KMC
2,4,6-Trichlorophenol	ND	0.36	0.034	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 13:54	KMC

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	47.5	30-130		12/30/24 13:54
Phenol-d6	66.4	30-130		12/30/24 13:54
Nitrobenzene-d5	78.5	30-130		12/30/24 13:54
2-Fluorobiphenyl	71.8	30-130		12/30/24 13:54
2,4,6-Tribromophenol	62.9	30-130		12/30/24 13:54
p-Terphenyl-d14	111	30-130		12/30/24 13:54

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB106-SO-(2-4) Sampled: 12/17/2024 13:15

Sample ID: 24L1652-17

Sample Matrix: Soil

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.052	0.041	mg/Kg dry	1		SW-846 8270E	12/28/24	1/7/25 2:45	GJB

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	49.8	15-110		1/7/25 2:45	

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB106-SO-(2-4) Sampled: 12/17/2024 13:15

Sample ID: 24L1652-17

Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	0.78	0.27	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:30	AMS
Perfluoropentanoic acid (PFPeA)	ND	0.39	0.12	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:30	AMS
Perfluorohexanoic acid (PFHxA)	ND	0.19	0.079	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:30	AMS
Perfluoroheptanoic acid (PFHpA)	ND	0.19	0.080	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:30	AMS
Perfluorooctanoic acid (PFOA)	0.14	0.19	0.067	µg/kg dry	1	J	Draft Method 1633	1/23/25	1/27/25 17:30	AMS
Perfluorononanoic acid (PFNA)	ND	0.19	0.073	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:30	AMS
Perfluorodecanoic acid (PFDA)	ND	0.19	0.061	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:30	AMS
Perfluoroundecanoic acid (PFUnA)	ND	0.19	0.080	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:30	AMS
Perfluorododecanoic acid (PFDoA)	ND	0.19	0.072	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:30	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	0.19	0.062	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:30	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	0.19	0.066	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:30	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	0.19	0.062	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:30	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	0.19	0.062	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:30	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	0.19	0.073	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:30	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.19	0.10	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:30	AMS
Perfluorooctanesulfonic acid (PFOS)	0.16	0.19	0.059	µg/kg dry	1	J	Draft Method 1633	1/23/25	1/27/25 17:30	AMS
Perfluorononanesulfonic acid (PFNS)	ND	0.19	0.048	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:30	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	0.19	0.063	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:30	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	0.19	0.056	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:30	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	0.78	0.29	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:30	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	0.78	0.28	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:30	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	0.78	0.36	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:30	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	0.19	0.079	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:30	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	0.19	0.054	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:30	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.19	0.087	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:30	AMS
N-MeFOSAA (NMeFOSAA)	ND	0.19	0.099	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:30	AMS
N-EtFOSAA (NEtFOSAA)	ND	0.19	0.089	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:30	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	1.9	0.63	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:30	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	1.9	0.69	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:30	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	0.78	0.33	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:30	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	0.78	0.31	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:30	AMS
9Cl-PF3ONS (F53B Minor)	ND	0.78	0.23	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:30	AMS
11Cl-PF3OUdS (F53B Major)	ND	0.78	0.26	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:30	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	0.97	0.48	µg/kg dry	1	L-03	Draft Method 1633	1/23/25	1/27/25 17:30	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	4.8	1.5	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:30	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	4.8	1.5	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:30	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	0.39	0.14	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:30	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	0.39	0.089	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:30	AMS

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB106-SO-(2-4) Sampled: 12/17/2024 13:15

Sample ID: 24L1652-17

Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	0.39	0.12	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:30	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	0.39	0.24	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:30	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C4-PFBA	95.5	8-130		1/27/25 17:30
13C5-PFPeA	117	35-130		1/27/25 17:30
13C5-PFHxA	118	40-130		1/27/25 17:30
13C4-PFHpA	111	40-130		1/27/25 17:30
13C8-PFOA	120	40-130		1/27/25 17:30
13C9-PFNA	114	40-130		1/27/25 17:30
13C6-PFDA	112	40-130		1/27/25 17:30
13C7-PFUnA	121	40-130		1/27/25 17:30
13C2-PFDoA	107	40-130		1/27/25 17:30
13C2-PFTeDA	108	20-130		1/27/25 17:30
13C3-PFBS	122	40-135		1/27/25 17:30
13C3-PFHxS	119	40-130		1/27/25 17:30
13C8-PFOS	127	40-130		1/27/25 17:30
13C2-4:2FTS	128	40-165		1/27/25 17:30
13C2-6:2FTS	136	40-215		1/27/25 17:30
13C2-8:2FTS	131	40-275		1/27/25 17:30
13C8-PFOSA	105	40-130		1/27/25 17:30
D3-NMeFOSA	100	10-130		1/27/25 17:30
D5-NEtFOSA	98.9	10-130		1/27/25 17:30
D3-NMeFOSAA	115	40-135		1/27/25 17:30
D5-NEtFOSAA	116	40-150		1/27/25 17:30
D7-NMeFOSE	103	20-130		1/27/25 17:30
D9-NEtFOSE	100	15-130		1/27/25 17:30
13C3-HFPO-DA	117	40-130		1/27/25 17:30

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB106-SO-(2-4) Sampled: 12/17/2024 13:15

Sample ID: 24L1652-17

Sample Matrix: Soil

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Furan, 2,5-dimethyl-	3.2	mg/Kg dry	1184790	2.027	1	000625-86-5	95	SW-846 8270E	12/28/24	12/30/24 13:54	KMC
Heptane, 2,3-dimethyl-	0.63	mg/Kg dry	230467	2.722	1	003074-71-3	94	SW-846 8270E	12/28/24	12/30/24 13:54	KMC
Heptane, 2,5-dimethyl-	1.1	mg/Kg dry	394768	2.619	1	002216-30-0	91	SW-846 8270E	12/28/24	12/30/24 13:54	KMC

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB106-SO-(2-4) Sampled: 12/17/2024 13:15

Sample ID: 24L1652-17

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
alpha-Chlordane [1]	ND	0.0049	0.0023	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:24	TG
gamma-Chlordane [1]	ND	0.0049	0.0021	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:24	TG
Aldrin [1]	ND	0.0049	0.00048	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:24	TG
alpha-BHC [1]	ND	0.0049	0.0023	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:24	TG
beta-BHC [1]	ND	0.0049	0.0026	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:24	TG
delta-BHC [1]	ND	0.0049	0.0026	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:24	TG
gamma-BHC (Lindane) [1]	ND	0.0020	0.00068	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:24	TG
4,4'-DDD [1]	ND	0.0039	0.00084	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:24	TG
4,4'-DDE [1]	ND	0.0039	0.00043	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:24	TG
4,4'-DDT [1]	ND	0.0039	0.00051	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:24	TG
Dieldrin [1]	ND	0.0039	0.00047	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:24	TG
Endosulfan I [1]	ND	0.0049	0.0024	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:24	TG
Endosulfan II [1]	ND	0.0079	0.0021	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:24	TG
Endosulfan sulfate [1]	ND	0.0079	0.0019	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:24	TG
Endrin [1]	ND	0.0079	0.0025	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:24	TG
Endrin aldehyde [1]	ND	0.0079	0.0019	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:24	TG
Endrin ketone [1]	ND	0.0079	0.0020	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:24	TG
Heptachlor [1]	ND	0.0049	0.00054	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:24	TG
Heptachlor epoxide [1]	ND	0.0049	0.00057	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:24	TG
Methoxychlor [1]	ND	0.049	0.0058	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:24	TG
Toxaphene [1]	ND	0.098	0.041	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:24	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	109	30-150		1/8/25 17:24
Decachlorobiphenyl [2]	115	30-150		1/8/25 17:24
Tetrachloro-m-xylene [1]	86.9	30-150		1/8/25 17:24
Tetrachloro-m-xylene [2]	89.8	30-150		1/8/25 17:24

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB106-SO-(2-4) Sampled: 12/17/2024 13:15

Sample ID: 24L1652-17

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.079	0.019	mg/Kg dry	4		SW-846 8082A	12/28/24	1/3/25 10:55	TG
Aroclor-1221 [1]	ND	0.079	0.036	mg/Kg dry	4		SW-846 8082A	12/28/24	1/3/25 10:55	TG
Aroclor-1232 [1]	ND	0.079	0.019	mg/Kg dry	4		SW-846 8082A	12/28/24	1/3/25 10:55	TG
Aroclor-1242 [1]	ND	0.079	0.022	mg/Kg dry	4		SW-846 8082A	12/28/24	1/3/25 10:55	TG
Aroclor-1248 [1]	ND	0.079	0.019	mg/Kg dry	4		SW-846 8082A	12/28/24	1/3/25 10:55	TG
Aroclor-1254 [1]	ND	0.079	0.023	mg/Kg dry	4		SW-846 8082A	12/28/24	1/3/25 10:55	TG
Aroclor-1260 [1]	ND	0.079	0.016	mg/Kg dry	4		SW-846 8082A	12/28/24	1/3/25 10:55	TG
Aroclor-1262 [1]	ND	0.079	0.020	mg/Kg dry	4		SW-846 8082A	12/28/24	1/3/25 10:55	TG
Aroclor-1268 [1]	ND	0.079	0.021	mg/Kg dry	4		SW-846 8082A	12/28/24	1/3/25 10:55	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	120	30-150		1/3/25 10:55
Decachlorobiphenyl [2]	110	30-150		1/3/25 10:55
Tetrachloro-m-xylene [1]	103	30-150		1/3/25 10:55
Tetrachloro-m-xylene [2]	91.2	30-150		1/3/25 10:55

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Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB106-SO-(2-4) Sampled: 12/17/2024 13:15

Sample ID: 24L1652-17

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	4900	18	5.5	mg/Kg dry	1		SW-846 6010D	12/30/24	1/18/25 22:01	MJH
Antimony	ND	1.8	0.47	mg/Kg dry	1		SW-846 6010D	12/30/24	1/2/25 16:56	DML
Arsenic	55	3.5	0.49	mg/Kg dry	1		SW-846 6010D	12/30/24	1/2/25 16:56	DML
Barium	51	1.8	0.37	mg/Kg dry	1		SW-846 6010D	12/30/24	1/2/25 16:56	DML
Beryllium	0.30	0.18	0.053	mg/Kg dry	1		SW-846 6010D	12/30/24	1/2/25 16:56	DML
Cadmium	ND	0.35	0.17	mg/Kg dry	1		SW-846 6010D	12/30/24	1/8/25 14:41	NC
Calcium	2100	18	9.1	mg/Kg dry	1		SW-846 6010D	12/30/24	1/8/25 14:41	NC
Chromium	9.2	0.70	0.44	mg/Kg dry	1		SW-846 6010D	12/30/24	1/2/25 16:56	DML
Cobalt	6.1	1.8	0.30	mg/Kg dry	1		SW-846 6010D	12/30/24	1/2/25 16:56	DML
Copper	16	1.3	1.2	mg/Kg dry	1	B	SW-846 6010D	1/20/25	1/27/25 19:26	NC
Iron	9000	18	8.1	mg/Kg dry	1		SW-846 6010D	12/30/24	1/8/25 14:41	NC
Lead	5.9	0.53	0.37	mg/Kg dry	1		SW-846 6010D	12/30/24	1/8/25 14:41	NC
Magnesium	2800	18	4.1	mg/Kg dry	1		SW-846 6010D	12/30/24	1/8/25 14:41	NC
Manganese	320	0.35	0.20	mg/Kg dry	1		SW-846 6010D	12/30/24	1/8/25 14:41	NC
Mercury	0.061	0.027	0.012	mg/Kg dry	1		SW-846 7471B	1/8/25	1/13/25 15:46	AAJ
Nickel	21	0.70	0.48	mg/Kg dry	1		SW-846 6010D	12/30/24	1/2/25 16:56	DML
Potassium	1100	180	43	mg/Kg dry	1		SW-846 6010D	12/30/24	1/18/25 22:01	MJH
Selenium	ND	3.5	0.87	mg/Kg dry	1		SW-846 6010D	12/30/24	1/2/25 16:56	DML
Silver	ND	0.35	0.22	mg/Kg dry	1		SW-846 6010D	12/30/24	1/2/25 16:56	DML
Sodium	210	180	52	mg/Kg dry	1		SW-846 6010D	12/30/24	1/2/25 16:56	DML
Thallium	ND	1.8	0.56	mg/Kg dry	1		SW-846 6010D	12/30/24	1/9/25 17:50	NC
Vanadium	12	0.70	0.39	mg/Kg dry	1		SW-846 6010D	12/30/24	1/2/25 16:56	DML
Zinc	45	0.67	0.59	mg/Kg dry	1		SW-846 6010D	1/20/25	1/27/25 19:26	NC

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Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB106-SO-(2-4) Sampled: 12/17/2024 13:15

Sample ID: 24L1652-17

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.1			% Wt	1		SM 2540G	12/24/24	12/24/24 7:17	MLR
Cyanide	ND	0.51	0.38	mg/Kg dry	1	H-01	SW-846 9014	1/2/25	1/3/25 10:20	LL

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Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB106-SO-(4-6) Sampled: 12/17/2024 13:30

Sample ID: 24L1652-18

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Mercury	0.013	0.027	0.012	mg/Kg dry	1	J	SW-846 7471B	1/8/25	1/13/25 15:47	AAJ

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Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB106-SO-(4-6) Sampled: 12/17/2024 13:30

Sample ID: 24L1652-18

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.4			% Wt	1		SM 2540G	12/24/24	12/24/24 7:17	MLR

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Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB106-SO-(6-8) Sampled: 12/17/2024 13:35

Sample ID: 24L1652-19

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Mercury	0.16	0.028	0.012	mg/Kg dry	1		SW-846 7471B	1/8/25	1/13/25 15:52	AAJ

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Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB106-SO-(6-8) Sampled: 12/17/2024 13:35

Sample ID: 24L1652-19

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.3			% Wt	1		SM 2540G	12/24/24	12/24/24 7:17	MLR

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Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB106-SO-(8-10) Sampled: 12/17/2024 13:40

Sample ID: 24L1652-20

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Mercury	0.019	0.029	0.013	mg/Kg dry	1	J	SW-846 7471B	1/8/25	1/13/25 15:54	AAJ

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Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB106-SO-(8-10) Sampled: 12/17/2024 13:40

Sample ID: 24L1652-20

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.5			% Wt	1		SM 2540G	12/24/24	12/24/24 7:17	MLR

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Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB106-SO-(10-12) Sampled: 12/17/2024 13:50

Sample ID: 24L1652-21

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.074	0.038	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:35	MFF
Benzene	ND	0.0015	0.00046	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:35	MFF
Bromochloromethane	ND	0.0015	0.00063	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:35	MFF
Bromodichloromethane	ND	0.0015	0.00038	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:35	MFF
Bromoform	ND	0.0015	0.00065	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:35	MFF
Bromomethane	ND	0.0074	0.0013	mg/Kg dry	1	V-34	SW-846 8260D	12/24/24	12/24/24 9:35	MFF
2-Butanone (MEK)	ND	0.029	0.0062	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:35	MFF
n-Butylbenzene	ND	0.0015	0.00053	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:35	MFF
sec-Butylbenzene	ND	0.0015	0.00059	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:35	MFF
tert-Butylbenzene	ND	0.0015	0.00053	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:35	MFF
Carbon Disulfide	ND	0.015	0.0074	mg/Kg dry	1	R-05	SW-846 8260D	12/24/24	12/24/24 9:35	MFF
Carbon Tetrachloride	ND	0.0015	0.00043	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:35	MFF
Chlorobenzene	ND	0.0015	0.00035	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:35	MFF
Chlorodibromomethane	ND	0.00074	0.00049	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:35	MFF
Chloroethane	ND	0.015	0.0010	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:35	MFF
Chloroform	ND	0.0029	0.00048	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:35	MFF
Chloromethane	ND	0.0074	0.00089	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:35	MFF
Cyclohexane	ND	0.0074	0.0030	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:35	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0015	0.00060	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:35	MFF
1,2-Dibromoethane (EDB)	ND	0.00074	0.00054	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:35	MFF
1,2-Dichlorobenzene	ND	0.0015	0.00047	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:35	MFF
1,3-Dichlorobenzene	ND	0.0015	0.00042	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:35	MFF
1,4-Dichlorobenzene	ND	0.0015	0.00046	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:35	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.015	0.00064	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:35	MFF
1,1-Dichloroethane	ND	0.0015	0.00045	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:35	MFF
1,2-Dichloroethane	ND	0.0015	0.00051	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:35	MFF
1,1-Dichloroethylene	ND	0.0029	0.00070	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:35	MFF
cis-1,2-Dichloroethylene	ND	0.0015	0.00051	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:35	MFF
trans-1,2-Dichloroethylene	ND	0.0015	0.00044	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:35	MFF
1,2-Dichloropropane	ND	0.0015	0.00045	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:35	MFF
cis-1,3-Dichloropropene	ND	0.00074	0.00056	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:35	MFF
trans-1,3-Dichloropropene	ND	0.00074	0.00057	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:35	MFF
Ethylbenzene	ND	0.0015	0.00042	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:35	MFF
2-Hexanone (MBK)	ND	0.015	0.0051	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:35	MFF
Isopropylbenzene (Cumene)	ND	0.0015	0.00057	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:35	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0015	0.00048	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:35	MFF
Methyl Acetate	ND	0.0015	0.00098	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:35	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0029	0.00065	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:35	MFF
Methyl Cyclohexane	ND	0.0015	0.00053	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:35	MFF
Methylene Chloride	ND	0.015	0.00069	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:35	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.015	0.0065	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:35	MFF
Naphthalene	ND	0.0029	0.00073	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:35	MFF
n-Propylbenzene	ND	0.0015	0.00049	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:35	MFF
Styrene	ND	0.0015	0.00047	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:35	MFF

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Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB106-SO-(10-12) Sampled: 12/17/2024 13:50

Sample ID: 24L1652-21

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.00074	0.00057	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:35	MFF
Tetrachloroethylene	ND	0.0015	0.00064	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:35	MFF
Toluene	ND	0.0015	0.00044	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:35	MFF
1,2,3-Trichlorobenzene	ND	0.0015	0.00049	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:35	MFF
1,2,4-Trichlorobenzene	ND	0.0015	0.00048	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:35	MFF
1,1,1-Trichloroethane	ND	0.0015	0.00044	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:35	MFF
1,1,2-Trichloroethane	ND	0.0015	0.00038	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:35	MFF
Trichloroethylene	ND	0.0015	0.00055	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:35	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0074	0.00087	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:35	MFF
1,2,3-Trichloropropane	ND	0.0015	0.00060	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:35	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0074	0.00077	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:35	MFF
1,2,4-Trimethylbenzene	ND	0.0015	0.00071	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:35	MFF
1,3,5-Trimethylbenzene	ND	0.0015	0.00059	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:35	MFF
Vinyl Chloride	ND	0.0074	0.00057	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:35	MFF
m+p Xylene	ND	0.0029	0.0011	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:35	MFF
o-Xylene	ND	0.0015	0.00050	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:35	MFF
Xylenes (total)	ND	0.0015	0.0015	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 9:35	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	98.6	70-130		12/24/24 9:35
Toluene-d8	101	70-130		12/24/24 9:35
4-Bromofluorobenzene	102	70-130		12/24/24 9:35

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Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB106-SO-(10-12) Sampled: 12/17/2024 13:50

Sample ID: 24L1652-21

Sample Matrix: Soil

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	mg/Kg dry			1			SW-846 8260D	12/24/24	12/24/24 9:35	MFF

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB106-SO-(10-12) Sampled: 12/17/2024 13:50

Sample ID: 24L1652-21

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,3,4,6-Tetrachlorophenol	ND	0.76	0.052	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:15	KMC
Atrazine	ND	0.76	0.049	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:15	KMC
Benzaldehyde	ND	0.38	0.061	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:15	KMC
Biphenyl	ND	0.76	0.049	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:15	KMC
Caprolactam	ND	0.38	0.066	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:15	KMC
Acenaphthene	ND	0.19	0.037	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:15	KMC
Acenaphthylene	ND	0.19	0.035	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:15	KMC
Acetophenone	ND	0.38	0.040	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:15	KMC
Aniline	ND	0.38	0.067	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:15	KMC
Anthracene	ND	0.19	0.034	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:15	KMC
Benzo(a)anthracene	ND	0.19	0.031	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:15	KMC
Benzo(a)pyrene	ND	0.19	0.035	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:15	KMC
Benzo(b)fluoranthene	ND	0.19	0.031	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:15	KMC
Benzo(g,h,i)perylene	ND	0.19	0.055	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:15	KMC
Benzo(k)fluoranthene	ND	0.19	0.035	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:15	KMC
Bis(2-chloroethoxy)methane	ND	0.38	0.041	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:15	KMC
Bis(2-chloroethyl)ether	ND	0.38	0.055	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:15	KMC
2,2'-oxybis(1-Chloropropane)	ND	0.38	0.24	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:15	KMC
Bis(2-Ethylhexyl)phthalate	ND	0.38	0.045	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:15	KMC
4-Bromophenylphenylether	ND	0.38	0.035	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:15	KMC
Butylbenzylphthalate	ND	0.38	0.043	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:15	KMC
Carbazole	ND	0.19	0.039	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:15	KMC
4-Chloroaniline	ND	0.75	0.068	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:15	KMC
4-Chloro-3-methylphenol	ND	0.75	0.040	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:15	KMC
2-Chloronaphthalene	ND	0.38	0.034	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:15	KMC
2-Chlorophenol	ND	0.38	0.039	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:15	KMC
4-Chlorophenylphenylether	ND	0.38	0.032	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:15	KMC
Chrysene	ND	0.19	0.034	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:15	KMC
Dibenz(a,h)anthracene	ND	0.19	0.053	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:15	KMC
Dibenzofuran	ND	0.38	0.034	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:15	KMC
Di-n-butylphthalate	ND	0.38	0.15	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:15	KMC
3,3-Dichlorobenzidine	ND	0.19	0.083	mg/Kg dry	1	V-34	SW-846 8270E	12/28/24	12/30/24 14:15	KMC
2,4-Dichlorophenol	ND	0.38	0.036	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:15	KMC
Diethylphthalate	ND	0.38	0.037	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:15	KMC
2,4-Dimethylphenol	ND	0.38	0.089	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:15	KMC
Dimethylphthalate	ND	0.38	0.036	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:15	KMC
4,6-Dinitro-2-methylphenol	ND	0.38	0.30	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:15	KMC
2,4-Dinitrophenol	ND	0.75	0.30	mg/Kg dry	1	V-04	SW-846 8270E	12/28/24	12/30/24 14:15	KMC
2,4-Dinitrotoluene	ND	0.38	0.039	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:15	KMC
2,6-Dinitrotoluene	ND	0.38	0.040	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:15	KMC
Di-n-octylphthalate	ND	0.38	0.054	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:15	KMC
Fluoranthene	ND	0.19	0.032	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:15	KMC
Fluorene	ND	0.19	0.034	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:15	KMC
Hexachlorobenzene	ND	0.38	0.037	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:15	KMC

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB106-SO-(10-12) Sampled: 12/17/2024 13:50

Sample ID: 24L1652-21

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.38	0.035	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:15	KMC
Hexachlorocyclopentadiene	ND	0.38	0.25	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:15	KMC
Hexachloroethane	ND	0.38	0.035	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:15	KMC
Indeno(1,2,3-cd)pyrene	ND	0.19	0.062	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:15	KMC
Isophorone	ND	0.38	0.041	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:15	KMC
1-Methylnaphthalene	ND	0.19	0.038	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:15	KMC
2-Methylnaphthalene	ND	0.19	0.033	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:15	KMC
2-Methylphenol	ND	0.38	0.051	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:15	KMC
3/4-Methylphenol	ND	0.38	0.051	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:15	KMC
Naphthalene	ND	0.19	0.067	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:15	KMC
2-Nitroaniline	ND	0.38	0.047	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:15	KMC
3-Nitroaniline	ND	0.38	0.080	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:15	KMC
4-Nitroaniline	ND	0.38	0.043	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:15	KMC
Nitrobenzene	ND	0.38	0.048	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:15	KMC
2-Nitrophenol	ND	0.38	0.037	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:15	KMC
4-Nitrophenol	ND	0.75	0.10	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:15	KMC
N-Nitrosodiphenylamine/Diphenylamine	ND	0.38	0.049	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:15	KMC
N-Nitrosodi-n-propylamine	ND	0.38	0.053	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:15	KMC
Pentachlorophenol	ND	0.38	0.14	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:15	KMC
Phenanthrene	ND	0.19	0.034	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:15	KMC
Phenol	ND	0.38	0.049	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:15	KMC
Pyrene	ND	0.19	0.040	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:15	KMC
Pyridine	ND	0.38	0.045	mg/Kg dry	1	V-34	SW-846 8270E	12/28/24	12/30/24 14:15	KMC
1,2,4,5-Tetrachlorobenzene	ND	0.38	0.038	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:15	KMC
2,4,5-Trichlorophenol	ND	0.38	0.039	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:15	KMC
2,4,6-Trichlorophenol	ND	0.38	0.036	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:15	KMC

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	70.0	30-130		12/30/24 14:15
Phenol-d6	72.1	30-130		12/30/24 14:15
Nitrobenzene-d5	72.4	30-130		12/30/24 14:15
2-Fluorobiphenyl	71.4	30-130		12/30/24 14:15
2,4,6-Tribromophenol	81.3	30-130		12/30/24 14:15
p-Terphenyl-d14	106	30-130		12/30/24 14:15

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB106-SO-(10-12) Sampled: 12/17/2024 13:50

Sample ID: 24L1652-21

Sample Matrix: Soil

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.055	0.044	mg/Kg dry	1		SW-846 8270E	12/28/24	1/7/25 3:05	GJB

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	43.7	15-110		1/7/25 3:05	

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB106-SO-(10-12) Sampled: 12/17/2024 13:50

Sample ID: 24L1652-21

Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	0.79	0.27	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:39	AMS
Perfluoropentanoic acid (PFPeA)	ND	0.39	0.12	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:39	AMS
Perfluorohexanoic acid (PFHxA)	ND	0.20	0.081	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:39	AMS
Perfluoroheptanoic acid (PFHpA)	ND	0.20	0.082	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:39	AMS
Perfluorooctanoic acid (PFOA)	0.096	0.20	0.068	µg/kg dry	1	J	Draft Method 1633	1/23/25	1/27/25 17:39	AMS
Perfluorononanoic acid (PFNA)	ND	0.20	0.074	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:39	AMS
Perfluorodecanoic acid (PFDA)	ND	0.20	0.062	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:39	AMS
Perfluoroundecanoic acid (PFUnA)	ND	0.20	0.081	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:39	AMS
Perfluorododecanoic acid (PFDoA)	ND	0.20	0.074	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:39	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	0.20	0.063	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:39	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	0.20	0.067	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:39	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	0.20	0.063	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:39	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	0.20	0.064	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:39	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	0.20	0.074	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:39	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.20	0.10	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:39	AMS
Perfluorooctanesulfonic acid (PFOS)	ND	0.20	0.060	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:39	AMS
Perfluorononanesulfonic acid (PFNS)	ND	0.20	0.049	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:39	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	0.20	0.064	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:39	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	0.20	0.057	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:39	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	0.79	0.29	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:39	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	0.79	0.28	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:39	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	0.79	0.36	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:39	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	0.20	0.080	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:39	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	0.20	0.055	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:39	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.20	0.088	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:39	AMS
N-MeFOSAA (NMeFOSAA)	ND	0.20	0.10	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:39	AMS
N-EtFOSAA (NEtFOSAA)	ND	0.20	0.091	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:39	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	2.0	0.64	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:39	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	2.0	0.70	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:39	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	0.79	0.33	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:39	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	0.79	0.31	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:39	AMS
9Cl-PF3ONS (F53B Minor)	ND	0.79	0.23	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:39	AMS
11Cl-PF3OUdS (F53B Major)	ND	0.79	0.26	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:39	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	0.99	0.48	µg/kg dry	1	L-03	Draft Method 1633	1/23/25	1/27/25 17:39	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	4.9	1.5	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:39	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	4.9	1.6	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:39	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	0.39	0.14	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:39	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	0.39	0.091	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:39	AMS

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB106-SO-(10-12) Sampled: 12/17/2024 13:50

Sample ID: 24L1652-21

Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	0.39	0.12	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:39	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	0.39	0.24	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:39	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C4-PFBA	73.5	8-130		1/27/25 17:39
13C5-PFPeA	104	35-130		1/27/25 17:39
13C5-PFHxA	108	40-130		1/27/25 17:39
13C4-PFHpA	101	40-130		1/27/25 17:39
13C8-PFOA	111	40-130		1/27/25 17:39
13C9-PFNA	103	40-130		1/27/25 17:39
13C6-PFDA	108	40-130		1/27/25 17:39
13C7-PFUnA	103	40-130		1/27/25 17:39
13C2-PFDoA	98.0	40-130		1/27/25 17:39
13C2-PFTeDA	96.9	20-130		1/27/25 17:39
13C3-PFBS	108	40-135		1/27/25 17:39
13C3-PFHxS	104	40-130		1/27/25 17:39
13C8-PFOS	105	40-130		1/27/25 17:39
13C2-4:2FTS	116	40-165		1/27/25 17:39
13C2-6:2FTS	119	40-215		1/27/25 17:39
13C2-8:2FTS	114	40-275		1/27/25 17:39
13C8-PFOSA	97.5	40-130		1/27/25 17:39
D3-NMeFOSA	95.4	10-130		1/27/25 17:39
D5-NEtFOSA	93.2	10-130		1/27/25 17:39
D3-NMeFOSAA	96.3	40-135		1/27/25 17:39
D5-NEtFOSAA	100	40-150		1/27/25 17:39
D7-NMeFOSE	95.0	20-130		1/27/25 17:39
D9-NEtFOSE	94.2	15-130		1/27/25 17:39
13C3-HFPO-DA	111	40-130		1/27/25 17:39

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB106-SO-(10-12) Sampled: 12/17/2024 13:50

Sample ID: 24L1652-21

Sample Matrix: Soil

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
3-Penten-2-one, 4-methyl-	0.16	mg/Kg dry	70877	2.444	1	000141-79-7	94	SW-846 8270E	12/28/24	12/30/24 14:15	KMC
Furan, 2,5-dimethyl-	4.9	mg/Kg dry	2197600	2.029	1	000625-86-5	95	SW-846 8270E	12/28/24	12/30/24 14:15	KMC
Heptane, 2,3-dimethyl-	0.73	mg/Kg dry	330443	2.722	1	003074-71-3	91	SW-846 8270E	12/28/24	12/30/24 14:15	KMC
Heptane, 2,4-dimethyl-	0.40	mg/Kg dry	180317	2.555	1	002213-23-2	94	SW-846 8270E	12/28/24	12/30/24 14:15	KMC
Hexane, 2,3,5-trimethyl-	0.18	mg/Kg dry	81570	2.526	1	001069-53-0	90	SW-846 8270E	12/28/24	12/30/24 14:15	KMC
Octane, 3-methyl-	1.1	mg/Kg dry	490369	2.619	1	002216-33-3	91	SW-846 8270E	12/28/24	12/30/24 14:15	KMC

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB106-SO-(10-12) Sampled: 12/17/2024 13:50

Sample ID: 24L1652-21

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
alpha-Chlordane [1]	ND	0.0057	0.0027	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:36	TG
gamma-Chlordane [1]	ND	0.0057	0.0025	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:36	TG
Aldrin [1]	ND	0.0057	0.00056	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:36	TG
alpha-BHC [1]	ND	0.0057	0.0027	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:36	TG
beta-BHC [1]	ND	0.0057	0.0030	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:36	TG
delta-BHC [1]	ND	0.0057	0.0030	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:36	TG
gamma-BHC (Lindane) [1]	ND	0.0023	0.00079	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:36	TG
4,4'-DDD [1]	ND	0.0046	0.00097	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:36	TG
4,4'-DDE [1]	ND	0.0046	0.00051	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:36	TG
4,4'-DDT [1]	ND	0.0046	0.00059	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:36	TG
Dieldrin [1]	ND	0.0046	0.00054	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:36	TG
Endosulfan I [1]	ND	0.0057	0.0027	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:36	TG
Endosulfan II [1]	ND	0.0092	0.0025	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:36	TG
Endosulfan sulfate [1]	ND	0.0092	0.0022	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:36	TG
Endrin [1]	ND	0.0092	0.0029	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:36	TG
Endrin aldehyde [1]	ND	0.0092	0.0023	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:36	TG
Endrin ketone [1]	ND	0.0092	0.0023	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:36	TG
Heptachlor [1]	ND	0.0057	0.00063	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:36	TG
Heptachlor epoxide [1]	ND	0.0057	0.00066	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:36	TG
Methoxychlor [1]	ND	0.057	0.0068	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:36	TG
Toxaphene [1]	ND	0.11	0.048	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:36	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	104	30-150		1/8/25 17:36
Decachlorobiphenyl [2]	107	30-150		1/8/25 17:36
Tetrachloro-m-xylene [1]	88.0	30-150		1/8/25 17:36
Tetrachloro-m-xylene [2]	91.0	30-150		1/8/25 17:36

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB106-SO-(10-12) Sampled: 12/17/2024 13:50

Sample ID: 24L1652-21

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.092	0.023	mg/Kg dry	4		SW-846 8082A	12/28/24	1/3/25 11:07	TG
Aroclor-1221 [1]	ND	0.092	0.042	mg/Kg dry	4		SW-846 8082A	12/28/24	1/3/25 11:07	TG
Aroclor-1232 [1]	ND	0.092	0.022	mg/Kg dry	4		SW-846 8082A	12/28/24	1/3/25 11:07	TG
Aroclor-1242 [1]	ND	0.092	0.025	mg/Kg dry	4		SW-846 8082A	12/28/24	1/3/25 11:07	TG
Aroclor-1248 [1]	ND	0.092	0.022	mg/Kg dry	4		SW-846 8082A	12/28/24	1/3/25 11:07	TG
Aroclor-1254 [1]	ND	0.092	0.027	mg/Kg dry	4		SW-846 8082A	12/28/24	1/3/25 11:07	TG
Aroclor-1260 [1]	ND	0.092	0.019	mg/Kg dry	4		SW-846 8082A	12/28/24	1/3/25 11:07	TG
Aroclor-1262 [1]	ND	0.092	0.024	mg/Kg dry	4		SW-846 8082A	12/28/24	1/3/25 11:07	TG
Aroclor-1268 [1]	ND	0.092	0.024	mg/Kg dry	4		SW-846 8082A	12/28/24	1/3/25 11:07	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	114	30-150		1/3/25 11:07
Decachlorobiphenyl [2]	107	30-150		1/3/25 11:07
Tetrachloro-m-xylene [1]	102	30-150		1/3/25 11:07
Tetrachloro-m-xylene [2]	90.8	30-150		1/3/25 11:07

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB106-SO-(10-12) Sampled: 12/17/2024 13:50

Sample ID: 24L1652-21

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	4900	18	5.7	mg/Kg dry	1		SW-846 6010D	12/30/24	1/18/25 22:08	MJH
Antimony	ND	1.8	0.48	mg/Kg dry	1		SW-846 6010D	12/30/24	1/2/25 17:03	DML
Arsenic	7.2	3.6	0.51	mg/Kg dry	1		SW-846 6010D	12/30/24	1/2/25 17:03	DML
Barium	49	1.8	0.39	mg/Kg dry	1		SW-846 6010D	12/30/24	1/2/25 17:03	DML
Beryllium	0.27	0.18	0.055	mg/Kg dry	1		SW-846 6010D	12/30/24	1/2/25 17:03	DML
Cadmium	ND	0.36	0.17	mg/Kg dry	1		SW-846 6010D	12/30/24	1/8/25 14:47	NC
Calcium	4300	18	9.4	mg/Kg dry	1		SW-846 6010D	12/30/24	1/8/25 14:47	NC
Chromium	11	0.72	0.46	mg/Kg dry	1		SW-846 6010D	12/30/24	1/2/25 17:03	DML
Cobalt	4.2	1.8	0.31	mg/Kg dry	1		SW-846 6010D	12/30/24	1/2/25 17:03	DML
Copper	30	1.5	1.3	mg/Kg dry	1	B	SW-846 6010D	1/20/25	1/27/25 19:45	NC
Iron	8600	18	8.4	mg/Kg dry	1		SW-846 6010D	12/30/24	1/8/25 14:47	NC
Lead	25	0.54	0.38	mg/Kg dry	1		SW-846 6010D	12/30/24	1/8/25 14:47	NC
Magnesium	2800	18	4.2	mg/Kg dry	1		SW-846 6010D	12/30/24	1/8/25 14:47	NC
Manganese	260	0.36	0.21	mg/Kg dry	1		SW-846 6010D	12/30/24	1/8/25 14:47	NC
Mercury	0.092	0.028	0.013	mg/Kg dry	1		SW-846 7471B	1/8/25	1/13/25 15:56	AAJ
Nickel	15	0.72	0.50	mg/Kg dry	1		SW-846 6010D	12/30/24	1/2/25 17:03	DML
Potassium	1100	180	45	mg/Kg dry	1		SW-846 6010D	12/30/24	1/18/25 22:08	MJH
Selenium	ND	3.6	0.90	mg/Kg dry	1		SW-846 6010D	12/30/24	1/2/25 17:03	DML
Silver	ND	0.36	0.22	mg/Kg dry	1		SW-846 6010D	12/30/24	1/2/25 17:03	DML
Sodium	160	180	54	mg/Kg dry	1	J	SW-846 6010D	12/30/24	1/2/25 17:03	DML
Thallium	ND	1.8	0.58	mg/Kg dry	1		SW-846 6010D	12/30/24	1/9/25 17:56	NC
Vanadium	12	0.72	0.40	mg/Kg dry	1		SW-846 6010D	12/30/24	1/2/25 17:03	DML
Zinc	54	0.75	0.66	mg/Kg dry	1		SW-846 6010D	1/20/25	1/27/25 19:45	NC

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB106-SO-(10-12) Sampled: 12/17/2024 13:50

Sample ID: 24L1652-21

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.0			% Wt	1		SM 2540G	12/24/24	12/24/24 7:17	MLR
Cyanide	ND	0.53	0.40	mg/Kg dry	1	H-01	SW-846 9014	1/2/25	1/3/25 10:20	LL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB106-SO-(12-14) Sampled: 12/17/2024 13:55

Sample ID: 24L1652-22

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Mercury	ND	0.027	0.012	mg/Kg dry	1		SW-846 7471B	1/8/25	1/13/25 15:58	AAJ

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB106-SO-(12-14) Sampled: 12/17/2024 13:55

Sample ID: 24L1652-22

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.2			% Wt	1		SM 2540G	12/24/24	12/24/24 7:17	MLR

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB106-SO-(14-16) Sampled: 12/17/2024 14:00

Sample ID: 24L1652-23

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Mercury	0.11	0.027	0.012	mg/Kg dry	1		SW-846 7471B	1/8/25	1/13/25 15:59	AAJ

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-SB106-SO-(14-16) Sampled: 12/17/2024 14:00

Sample ID: 24L1652-23

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.6			% Wt	1		SM 2540G	12/24/24	12/24/24 7:17	MLR

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-FB-20241217 Sampled: 12/17/2024 14:00

Sample ID: 24L1652-24

Sample Matrix: Field Blank

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1	V-05	SW-846 8260D	12/24/24	12/28/24 1:42	EEH
Benzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	12/24/24	12/28/24 1:42	EEH
Bromochloromethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	12/24/24	12/28/24 1:42	EEH
Bromodichloromethane	ND	0.50	0.19	µg/L	1		SW-846 8260D	12/24/24	12/28/24 1:42	EEH
Bromoform	ND	1.0	0.30	µg/L	1		SW-846 8260D	12/24/24	12/28/24 1:42	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	12/24/24	12/28/24 1:42	EEH
2-Butanone (MEK)	ND	20	1.4	µg/L	1	V-05	SW-846 8260D	12/24/24	12/28/24 1:42	EEH
n-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	12/24/24	12/28/24 1:42	EEH
sec-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	12/24/24	12/28/24 1:42	EEH
tert-Butylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	12/24/24	12/28/24 1:42	EEH
Carbon Disulfide	ND	5.0	1.5	µg/L	1		SW-846 8260D	12/24/24	12/28/24 1:42	EEH
Carbon Tetrachloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	12/24/24	12/28/24 1:42	EEH
Chlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	12/24/24	12/28/24 1:42	EEH
Chlorodibromomethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	12/24/24	12/28/24 1:42	EEH
Chloroethane	ND	2.0	0.46	µg/L	1		SW-846 8260D	12/24/24	12/28/24 1:42	EEH
Chloroform	ND	2.0	0.19	µg/L	1		SW-846 8260D	12/24/24	12/28/24 1:42	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	12/24/24	12/28/24 1:42	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	12/24/24	12/28/24 1:42	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.63	µg/L	1		SW-846 8260D	12/24/24	12/28/24 1:42	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.13	µg/L	1		SW-846 8260D	12/24/24	12/28/24 1:42	EEH
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	12/24/24	12/28/24 1:42	EEH
1,3-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	12/24/24	12/28/24 1:42	EEH
1,4-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	12/24/24	12/28/24 1:42	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.20	µg/L	1		SW-846 8260D	12/24/24	12/28/24 1:42	EEH
1,1-Dichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	12/24/24	12/28/24 1:42	EEH
1,2-Dichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260D	12/24/24	12/28/24 1:42	EEH
1,1-Dichloroethylene	ND	1.0	0.18	µg/L	1		SW-846 8260D	12/24/24	12/28/24 1:42	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.20	µg/L	1		SW-846 8260D	12/24/24	12/28/24 1:42	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	12/24/24	12/28/24 1:42	EEH
1,2-Dichloropropane	ND	1.0	0.17	µg/L	1		SW-846 8260D	12/24/24	12/28/24 1:42	EEH
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		SW-846 8260D	12/24/24	12/28/24 1:42	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	12/24/24	12/28/24 1:42	EEH
Ethylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	12/24/24	12/28/24 1:42	EEH
2-Hexanone (MBK)	ND	10	1.3	µg/L	1		SW-846 8260D	12/24/24	12/28/24 1:42	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	12/24/24	12/28/24 1:42	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	12/24/24	12/28/24 1:42	EEH
Methyl Acetate	ND	1.0	0.48	µg/L	1		SW-846 8260D	12/24/24	12/28/24 1:42	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	12/24/24	12/28/24 1:42	EEH
Methyl Cyclohexane	ND	1.0	0.13	µg/L	1		SW-846 8260D	12/24/24	12/28/24 1:42	EEH
Methylene Chloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	12/24/24	12/28/24 1:42	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.4	µg/L	1		SW-846 8260D	12/24/24	12/28/24 1:42	EEH
Naphthalene	ND	2.0	0.25	µg/L	1		SW-846 8260D	12/24/24	12/28/24 1:42	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	12/24/24	12/28/24 1:42	EEH
Styrene	ND	1.0	0.13	µg/L	1		SW-846 8260D	12/24/24	12/28/24 1:42	EEH

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-FB-20241217 Sampled: 12/17/2024 14:00

Sample ID: 24L1652-24

Sample Matrix: Field Blank

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	0.10	µg/L	1		SW-846 8260D	12/24/24	12/28/24 1:42	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	12/24/24	12/28/24 1:42	EEH
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	12/24/24	12/28/24 1:42	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.22	µg/L	1		SW-846 8260D	12/24/24	12/28/24 1:42	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	12/24/24	12/28/24 1:42	EEH
1,1,1-Trichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	12/24/24	12/28/24 1:42	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	12/24/24	12/28/24 1:42	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	12/24/24	12/28/24 1:42	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.14	µg/L	1		SW-846 8260D	12/24/24	12/28/24 1:42	EEH
1,2,3-Trichloropropane	ND	2.0	0.27	µg/L	1		SW-846 8260D	12/24/24	12/28/24 1:42	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.16	µg/L	1		SW-846 8260D	12/24/24	12/28/24 1:42	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	12/24/24	12/28/24 1:42	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	12/24/24	12/28/24 1:42	EEH
Vinyl Chloride	ND	2.0	0.19	µg/L	1		SW-846 8260D	12/24/24	12/28/24 1:42	EEH
m+p Xylene	ND	2.0	0.25	µg/L	1		SW-846 8260D	12/24/24	12/28/24 1:42	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	12/24/24	12/28/24 1:42	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	12/24/24	12/28/24 1:42	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	95.4	70-130		12/28/24 1:42
Toluene-d8	103	70-130		12/28/24 1:42
4-Bromofluorobenzene	105	70-130		12/28/24 1:42

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-FB-20241217 Sampled: 12/17/2024 14:00

Sample ID: 24L1652-24

Sample Matrix: Field Blank

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			1			SW-846 8260D	12/24/24	12/28/24 1:42	EEH

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-FB-20241217 Sampled: 12/17/2024 14:00

Sample ID: 24L1652-24

Sample Matrix: Field Blank

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,3,4,6-Tetrachlorophenol	ND	20	5.7	µg/L	1		SW-846 8270E	12/23/24	12/27/24 14:27	BGL
2,3,4,6-Tetrachlorophenol	ND	19	5.3	µg/L	1		SW-846 8270E	12/27/24	12/31/24 14:03	KMC
Atrazine	ND	19	1.5	µg/L	1		SW-846 8270E	12/27/24	12/31/24 14:03	KMC
Atrazine	ND	20	1.7	µg/L	1		SW-846 8270E	12/23/24	12/27/24 14:27	BGL
Benzaldehyde	ND	10	0.74	µg/L	1		SW-846 8270E	12/23/24	12/27/24 14:27	BGL
Benzaldehyde	ND	9.3	0.68	µg/L	1		SW-846 8270E	12/27/24	12/31/24 14:03	KMC
Biphenyl	ND	19	0.86	µg/L	1		SW-846 8270E	12/27/24	12/31/24 14:03	KMC
Biphenyl	ND	20	0.94	µg/L	1		SW-846 8270E	12/23/24	12/27/24 14:27	BGL
Caprolactam	ND	9.3	0.67	µg/L	1	L-04	SW-846 8270E	12/27/24	12/31/24 14:03	KMC
Caprolactam	ND	10	0.73	µg/L	1	L-04	SW-846 8270E	12/23/24	12/27/24 14:27	BGL
Acenaphthene	ND	5.1	0.80	µg/L	1		SW-846 8270E	12/23/24	12/27/24 14:27	BGL
Acenaphthene	ND	4.7	0.73	µg/L	1		SW-846 8270E	12/27/24	12/31/24 14:03	KMC
Acenaphthylene	ND	5.1	0.65	µg/L	1		SW-846 8270E	12/23/24	12/27/24 14:27	BGL
Acenaphthylene	ND	4.7	0.60	µg/L	1		SW-846 8270E	12/27/24	12/31/24 14:03	KMC
Acetophenone	ND	10	0.51	µg/L	1		SW-846 8270E	12/23/24	12/27/24 14:27	BGL
Acetophenone	ND	9.3	0.47	µg/L	1		SW-846 8270E	12/27/24	12/31/24 14:03	KMC
Aniline	ND	19	8.4	µg/L	1	V-05	SW-846 8270E	12/27/24	12/31/24 14:03	KMC
Aniline	ND	20	9.1	µg/L	1	V-05	SW-846 8270E	12/23/24	12/27/24 14:27	BGL
Anthracene	ND	5.1	0.55	µg/L	1		SW-846 8270E	12/23/24	12/27/24 14:27	BGL
Anthracene	ND	4.7	0.51	µg/L	1		SW-846 8270E	12/27/24	12/31/24 14:03	KMC
Benzo(a)anthracene	ND	5.1	0.38	µg/L	1		SW-846 8270E	12/23/24	12/27/24 14:27	BGL
Benzo(a)anthracene	ND	4.7	0.35	µg/L	1		SW-846 8270E	12/27/24	12/31/24 14:03	KMC
Benzo(a)pyrene	ND	5.1	0.44	µg/L	1		SW-846 8270E	12/23/24	12/27/24 14:27	BGL
Benzo(a)pyrene	ND	4.7	0.41	µg/L	1		SW-846 8270E	12/27/24	12/31/24 14:03	KMC
Benzo(b)fluoranthene	ND	4.7	0.30	µg/L	1		SW-846 8270E	12/27/24	12/31/24 14:03	KMC
Benzo(b)fluoranthene	ND	5.1	0.33	µg/L	1		SW-846 8270E	12/23/24	12/27/24 14:27	BGL
Benzo(g,h,i)perylene	ND	4.7	0.49	µg/L	1		SW-846 8270E	12/27/24	12/31/24 14:03	KMC
Benzo(g,h,i)perylene	ND	5.1	0.53	µg/L	1		SW-846 8270E	12/23/24	12/27/24 14:27	BGL
Benzo(k)fluoranthene	ND	4.7	0.43	µg/L	1		SW-846 8270E	12/27/24	12/31/24 14:03	KMC
Benzo(k)fluoranthene	ND	5.1	0.47	µg/L	1		SW-846 8270E	12/23/24	12/27/24 14:27	BGL
Bis(2-chloroethoxy)methane	ND	9.3	0.54	µg/L	1		SW-846 8270E	12/27/24	12/31/24 14:03	KMC
Bis(2-chloroethoxy)methane	ND	10	0.59	µg/L	1		SW-846 8270E	12/23/24	12/27/24 14:27	BGL
Bis(2-chloroethyl)ether	ND	9.3	0.43	µg/L	1		SW-846 8270E	12/27/24	12/31/24 14:03	KMC
Bis(2-chloroethyl)ether	ND	10	0.47	µg/L	1		SW-846 8270E	12/23/24	12/27/24 14:27	BGL
2,2'-oxybis(1-Chloropropane)	ND	10	0.76	µg/L	1		SW-846 8270E	12/23/24	12/27/24 14:27	BGL
2,2'-oxybis(1-Chloropropane)	ND	9.3	0.70	µg/L	1		SW-846 8270E	12/27/24	12/31/24 14:03	KMC
Bis(2-Ethylhexyl)phthalate	ND	9.3	0.30	µg/L	1		SW-846 8270E	12/27/24	12/31/24 14:03	KMC
Bis(2-Ethylhexyl)phthalate	ND	10	0.33	µg/L	1		SW-846 8270E	12/23/24	12/27/24 14:27	BGL
4-Bromophenylphenylether	ND	10	0.73	µg/L	1		SW-846 8270E	12/23/24	12/27/24 14:27	BGL
4-Bromophenylphenylether	ND	9.3	0.66	µg/L	1		SW-846 8270E	12/27/24	12/31/24 14:03	KMC
Butylbenzylphthalate	ND	9.3	0.37	µg/L	1		SW-846 8270E	12/27/24	12/31/24 14:03	KMC
Butylbenzylphthalate	ND	10	0.40	µg/L	1		SW-846 8270E	12/23/24	12/27/24 14:27	BGL
Carbazole	ND	9.3	0.43	µg/L	1		SW-846 8270E	12/27/24	12/31/24 14:03	KMC
Carbazole	ND	10	0.47	µg/L	1		SW-846 8270E	12/23/24	12/27/24 14:27	BGL

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-FB-20241217 Sampled: 12/17/2024 14:00

Sample ID: 24L1652-24

Sample Matrix: Field Blank

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
4-Chloroaniline	ND	10	5.3	µg/L	1		SW-846 8270E	12/23/24	12/27/24 14:27	BGL
4-Chloroaniline	ND	9.3	4.9	µg/L	1		SW-846 8270E	12/27/24	12/31/24 14:03	KMC
4-Chloro-3-methylphenol	ND	10	0.65	µg/L	1		SW-846 8270E	12/23/24	12/27/24 14:27	BGL
4-Chloro-3-methylphenol	ND	9.3	0.59	µg/L	1		SW-846 8270E	12/27/24	12/31/24 14:03	KMC
2-Chloronaphthalene	ND	10	0.83	µg/L	1	L-04	SW-846 8270E	12/23/24	12/27/24 14:27	BGL
2-Chloronaphthalene	ND	9.3	0.76	µg/L	1		SW-846 8270E	12/27/24	12/31/24 14:03	KMC
2-Chlorophenol	ND	10	0.42	µg/L	1		SW-846 8270E	12/23/24	12/27/24 14:27	BGL
2-Chlorophenol	ND	9.3	0.38	µg/L	1		SW-846 8270E	12/27/24	12/31/24 14:03	KMC
4-Chlorophenylphenylether	ND	10	0.89	µg/L	1		SW-846 8270E	12/23/24	12/27/24 14:27	BGL
4-Chlorophenylphenylether	ND	9.3	0.81	µg/L	1		SW-846 8270E	12/27/24	12/31/24 14:03	KMC
Chrysene	ND	4.7	0.43	µg/L	1		SW-846 8270E	12/27/24	12/31/24 14:03	KMC
Chrysene	ND	5.1	0.47	µg/L	1		SW-846 8270E	12/23/24	12/27/24 14:27	BGL
Dibenz(a,h)anthracene	ND	4.7	0.44	µg/L	1	V-04	SW-846 8270E	12/27/24	12/31/24 14:03	KMC
Dibenz(a,h)anthracene	ND	5.1	0.49	µg/L	1	V-04	SW-846 8270E	12/23/24	12/27/24 14:27	BGL
Dibenzofuran	ND	4.7	0.80	µg/L	1		SW-846 8270E	12/27/24	12/31/24 14:03	KMC
Dibenzofuran	ND	5.1	0.87	µg/L	1		SW-846 8270E	12/23/24	12/27/24 14:27	BGL
Di-n-butylphthalate	ND	9.3	0.47	µg/L	1		SW-846 8270E	12/27/24	12/31/24 14:03	KMC
Di-n-butylphthalate	ND	10	0.51	µg/L	1		SW-846 8270E	12/23/24	12/27/24 14:27	BGL
3,3-Dichlorobenzidine	ND	10	0.47	µg/L	1		SW-846 8270E	12/23/24	12/27/24 14:27	BGL
3,3-Dichlorobenzidine	ND	9.3	0.43	µg/L	1		SW-846 8270E	12/27/24	12/31/24 14:03	KMC
2,4-Dichlorophenol	ND	10	0.48	µg/L	1		SW-846 8270E	12/23/24	12/27/24 14:27	BGL
2,4-Dichlorophenol	ND	9.3	0.44	µg/L	1		SW-846 8270E	12/27/24	12/31/24 14:03	KMC
Diethylphthalate	ND	9.3	0.52	µg/L	1		SW-846 8270E	12/27/24	12/31/24 14:03	KMC
Diethylphthalate	ND	10	0.57	µg/L	1		SW-846 8270E	12/23/24	12/27/24 14:27	BGL
2,4-Dimethylphenol	ND	10	0.42	µg/L	1		SW-846 8270E	12/23/24	12/27/24 14:27	BGL
2,4-Dimethylphenol	ND	9.3	0.38	µg/L	1		SW-846 8270E	12/27/24	12/31/24 14:03	KMC
Dimethylphthalate	ND	9.3	0.41	µg/L	1		SW-846 8270E	12/27/24	12/31/24 14:03	KMC
Dimethylphthalate	ND	10	0.45	µg/L	1		SW-846 8270E	12/23/24	12/27/24 14:27	BGL
4,6-Dinitro-2-methylphenol	ND	20	2.4	µg/L	1		SW-846 8270E	12/23/24	12/27/24 14:27	BGL
4,6-Dinitro-2-methylphenol	ND	19	2.2	µg/L	1		SW-846 8270E	12/27/24	12/31/24 14:03	KMC
2,4-Dinitrophenol	ND	10	1.4	µg/L	1	L-04, V-04	SW-846 8270E	12/23/24	12/27/24 14:27	BGL
2,4-Dinitrophenol	ND	9.3	1.2	µg/L	1	V-04	SW-846 8270E	12/27/24	12/31/24 14:03	KMC
2,4-Dinitrotoluene	ND	10	0.36	µg/L	1		SW-846 8270E	12/23/24	12/27/24 14:27	BGL
2,4-Dinitrotoluene	ND	9.3	0.33	µg/L	1		SW-846 8270E	12/27/24	12/31/24 14:03	KMC
2,6-Dinitrotoluene	ND	10	0.56	µg/L	1		SW-846 8270E	12/23/24	12/27/24 14:27	BGL
2,6-Dinitrotoluene	ND	9.3	0.51	µg/L	1		SW-846 8270E	12/27/24	12/31/24 14:03	KMC
Di-n-octylphthalate	ND	9.3	0.31	µg/L	1	V-04	SW-846 8270E	12/27/24	12/31/24 14:03	KMC
Di-n-octylphthalate	ND	10	0.33	µg/L	1	V-04	SW-846 8270E	12/23/24	12/27/24 14:27	BGL
Fluoranthene	ND	4.7	0.53	µg/L	1		SW-846 8270E	12/27/24	12/31/24 14:03	KMC
Fluoranthene	ND	5.1	0.57	µg/L	1		SW-846 8270E	12/23/24	12/27/24 14:27	BGL
Fluorene	ND	4.7	0.71	µg/L	1		SW-846 8270E	12/27/24	12/31/24 14:03	KMC
Fluorene	ND	5.1	0.77	µg/L	1		SW-846 8270E	12/23/24	12/27/24 14:27	BGL
Hexachlorobenzene	ND	9.3	0.67	µg/L	1		SW-846 8270E	12/27/24	12/31/24 14:03	KMC
Hexachlorobenzene	ND	10	0.74	µg/L	1		SW-846 8270E	12/23/24	12/27/24 14:27	BGL

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-FB-20241217 Sampled: 12/17/2024 14:00

Sample ID: 24L1652-24

Sample Matrix: Field Blank

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	9.3	1.1	µg/L	1		SW-846 8270E	12/27/24	12/31/24 14:03	KMC
Hexachlorobutadiene	ND	10	1.3	µg/L	1	L-04, V-20	SW-846 8270E	12/23/24	12/27/24 14:27	BGL
Hexachlorocyclopentadiene	ND	9.3	2.7	µg/L	1		SW-846 8270E	12/27/24	12/31/24 14:03	KMC
Hexachlorocyclopentadiene	ND	10	2.9	µg/L	1	L-04	SW-846 8270E	12/23/24	12/27/24 14:27	BGL
Hexachloroethane	ND	9.3	1.2	µg/L	1		SW-846 8270E	12/27/24	12/31/24 14:03	KMC
Hexachloroethane	ND	10	1.3	µg/L	1	L-04	SW-846 8270E	12/23/24	12/27/24 14:27	BGL
Indeno(1,2,3-cd)pyrene	ND	4.7	0.44	µg/L	1	V-04	SW-846 8270E	12/27/24	12/31/24 14:03	KMC
Indeno(1,2,3-cd)pyrene	ND	5.1	0.49	µg/L	1	V-04	SW-846 8270E	12/23/24	12/27/24 14:27	BGL
Isophorone	ND	9.3	0.51	µg/L	1		SW-846 8270E	12/27/24	12/31/24 14:03	KMC
Isophorone	ND	10	0.55	µg/L	1		SW-846 8270E	12/23/24	12/27/24 14:27	BGL
1-Methylnaphthalene	ND	5.1	1.0	µg/L	1	L-04	SW-846 8270E	12/23/24	12/27/24 14:27	BGL
1-Methylnaphthalene	ND	4.7	0.92	µg/L	1		SW-846 8270E	12/27/24	12/31/24 14:03	KMC
2-Methylnaphthalene	ND	5.1	0.95	µg/L	1	L-04	SW-846 8270E	12/23/24	12/27/24 14:27	BGL
2-Methylnaphthalene	ND	4.7	0.87	µg/L	1		SW-846 8270E	12/27/24	12/31/24 14:03	KMC
2-Methylphenol	ND	10	0.47	µg/L	1		SW-846 8270E	12/23/24	12/27/24 14:27	BGL
2-Methylphenol	ND	9.3	0.43	µg/L	1		SW-846 8270E	12/27/24	12/31/24 14:03	KMC
3/4-Methylphenol	ND	10	0.49	µg/L	1		SW-846 8270E	12/23/24	12/27/24 14:27	BGL
3/4-Methylphenol	ND	9.3	0.45	µg/L	1		SW-846 8270E	12/27/24	12/31/24 14:03	KMC
Naphthalene	ND	4.7	0.85	µg/L	1		SW-846 8270E	12/27/24	12/31/24 14:03	KMC
Naphthalene	ND	5.1	0.92	µg/L	1	L-04, R-05	SW-846 8270E	12/23/24	12/27/24 14:27	BGL
2-Nitroaniline	ND	10	0.51	µg/L	1		SW-846 8270E	12/23/24	12/27/24 14:27	BGL
2-Nitroaniline	ND	9.3	0.46	µg/L	1		SW-846 8270E	12/27/24	12/31/24 14:03	KMC
3-Nitroaniline	ND	10	0.53	µg/L	1		SW-846 8270E	12/23/24	12/27/24 14:27	BGL
3-Nitroaniline	ND	9.3	0.48	µg/L	1		SW-846 8270E	12/27/24	12/31/24 14:03	KMC
4-Nitroaniline	ND	10	0.45	µg/L	1		SW-846 8270E	12/23/24	12/27/24 14:27	BGL
4-Nitroaniline	ND	9.3	0.41	µg/L	1		SW-846 8270E	12/27/24	12/31/24 14:03	KMC
Nitrobenzene	ND	9.3	0.63	µg/L	1		SW-846 8270E	12/27/24	12/31/24 14:03	KMC
Nitrobenzene	ND	10	0.69	µg/L	1		SW-846 8270E	12/23/24	12/27/24 14:27	BGL
2-Nitrophenol	ND	10	0.55	µg/L	1		SW-846 8270E	12/23/24	12/27/24 14:27	BGL
2-Nitrophenol	ND	9.3	0.51	µg/L	1		SW-846 8270E	12/27/24	12/31/24 14:03	KMC
4-Nitrophenol	ND	10	1.3	µg/L	1		SW-846 8270E	12/23/24	12/27/24 14:27	BGL
4-Nitrophenol	ND	9.3	1.2	µg/L	1		SW-846 8270E	12/27/24	12/31/24 14:03	KMC
N-Nitrosodiphenylamine/Diphenylamine	ND	9.3	0.45	µg/L	1		SW-846 8270E	12/27/24	12/31/24 14:03	KMC
N-Nitrosodiphenylamine/Diphenylamine	ND	10	0.49	µg/L	1		SW-846 8270E	12/23/24	12/27/24 14:27	BGL
N-Nitrosodi-n-propylamine	ND	9.3	0.61	µg/L	1		SW-846 8270E	12/27/24	12/31/24 14:03	KMC
N-Nitrosodi-n-propylamine	ND	10	0.67	µg/L	1		SW-846 8270E	12/23/24	12/27/24 14:27	BGL
Pentachlorophenol	ND	9.3	0.45	µg/L	1		SW-846 8270E	12/27/24	12/31/24 14:03	KMC
Pentachlorophenol	ND	10	0.49	µg/L	1		SW-846 8270E	12/23/24	12/27/24 14:27	BGL
Phenanthrene	ND	4.7	0.67	µg/L	1		SW-846 8270E	12/27/24	12/31/24 14:03	KMC
Phenanthrene	ND	5.1	0.73	µg/L	1		SW-846 8270E	12/23/24	12/27/24 14:27	BGL
Phenol	ND	9.3	0.55	µg/L	1		SW-846 8270E	12/27/24	12/31/24 14:03	KMC
Phenol	ND	10	0.61	µg/L	1		SW-846 8270E	12/23/24	12/27/24 14:27	BGL
Pyrene	ND	5.1	0.47	µg/L	1		SW-846 8270E	12/23/24	12/27/24 14:27	BGL

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-FB-20241217 Sampled: 12/17/2024 14:00

Sample ID: 24L1652-24

Sample Matrix: Field Blank

Sample Flags: H-06

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Pyrene	ND	4.7	0.43	µg/L	1		SW-846 8270E	12/27/24	12/31/24 14:03	KMC
Pyridine	ND	19	4.8	µg/L	1	V-34	SW-846 8270E	12/27/24	12/31/24 14:03	KMC
Pyridine	ND	20	5.2	µg/L	1	V-34	SW-846 8270E	12/23/24	12/27/24 14:27	BGL
1,2,4,5-Tetrachlorobenzene	ND	10	1.2	µg/L	1	L-04	SW-846 8270E	12/23/24	12/27/24 14:27	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.3	1.1	µg/L	1		SW-846 8270E	12/27/24	12/31/24 14:03	KMC
2,4,5-Trichlorophenol	ND	10	0.46	µg/L	1		SW-846 8270E	12/23/24	12/27/24 14:27	BGL
2,4,5-Trichlorophenol	ND	9.3	0.42	µg/L	1		SW-846 8270E	12/27/24	12/31/24 14:03	KMC
2,4,6-Trichlorophenol	ND	10	0.38	µg/L	1		SW-846 8270E	12/23/24	12/27/24 14:27	BGL
2,4,6-Trichlorophenol	ND	9.3	0.35	µg/L	1		SW-846 8270E	12/27/24	12/31/24 14:03	KMC

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	61.0	15-110		12/27/24 14:27
2-Fluorophenol	55.9	15-110		12/31/24 14:03
Phenol-d6	38.8	15-110		12/27/24 14:27
Phenol-d6	33.7	15-110		12/31/24 14:03
Nitrobenzene-d5	102	30-130		12/31/24 14:03
Nitrobenzene-d5	92.7	30-130		12/27/24 14:27
2-Fluorobiphenyl	65.9	30-130		12/27/24 14:27
2-Fluorobiphenyl	90.8	30-130		12/31/24 14:03
2,4,6-Tribromophenol	97.9	15-110		12/27/24 14:27
2,4,6-Tribromophenol	91.1	15-110		12/31/24 14:03
p-Terphenyl-d14	104	30-130		12/31/24 14:03
p-Terphenyl-d14	103	30-130		12/27/24 14:27

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-FB-20241217 Sampled: 12/17/2024 14:00

Sample ID: 24L1652-24

Sample Matrix: Field Blank

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.20	0.033	µg/L	1		SW-846 8270E	12/24/24	12/27/24 4:37	GJB

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	21.5	15-110		12/27/24 4:37	

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-FB-20241217 Sampled: 12/17/2024 14:00

Sample ID: 24L1652-24

Sample Matrix: Field Blank

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	6.0	0.75	ng/L	1		Draft Method 1633	1/14/25	1/16/25 16:35	AMS
Perfluoropentanoic acid (PFPeA)	ND	3.0	0.42	ng/L	1		Draft Method 1633	1/14/25	1/16/25 16:35	AMS
Perfluorohexanoic acid (PFHxA)	ND	1.5	0.26	ng/L	1		Draft Method 1633	1/14/25	1/16/25 16:35	AMS
Perfluoroheptanoic acid (PFHpA)	ND	1.5	0.27	ng/L	1		Draft Method 1633	1/14/25	1/16/25 16:35	AMS
Perfluorooctanoic acid (PFOA)	ND	1.5	0.39	ng/L	1		Draft Method 1633	1/14/25	1/16/25 16:35	AMS
Perfluorononanoic acid (PFNA)	ND	1.5	0.61	ng/L	1		Draft Method 1633	1/14/25	1/16/25 16:35	AMS
Perfluorodecanoic acid (PFDA)	ND	1.5	0.36	ng/L	1		Draft Method 1633	1/14/25	1/16/25 16:35	AMS
Perfluoroundecanoic acid (PFUnA)	ND	1.5	0.48	ng/L	1		Draft Method 1633	1/14/25	1/16/25 16:35	AMS
Perfluorododecanoic acid (PFDoA)	ND	1.5	0.33	ng/L	1		Draft Method 1633	1/14/25	1/16/25 16:35	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	1.5	0.45	ng/L	1		Draft Method 1633	1/14/25	1/16/25 16:35	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	1.5	0.15	ng/L	1		Draft Method 1633	1/14/25	1/16/25 16:35	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	1.5	0.32	ng/L	1		Draft Method 1633	1/14/25	1/16/25 16:35	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	1.5	0.44	ng/L	1		Draft Method 1633	1/14/25	1/16/25 16:35	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	1.5	0.58	ng/L	1		Draft Method 1633	1/14/25	1/16/25 16:35	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.5	0.80	ng/L	1		Draft Method 1633	1/14/25	1/16/25 16:35	AMS
Perfluorooctanesulfonic acid (PFOS)	ND	1.5	0.37	ng/L	1		Draft Method 1633	1/14/25	1/16/25 16:35	AMS
Perfluorononanesulfonic acid (PFNS)	ND	1.5	0.44	ng/L	1		Draft Method 1633	1/14/25	1/16/25 16:35	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	1.5	0.48	ng/L	1		Draft Method 1633	1/14/25	1/16/25 16:35	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	1.5	0.68	ng/L	1		Draft Method 1633	1/14/25	1/16/25 16:35	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	6.0	1.2	ng/L	1		Draft Method 1633	1/14/25	1/16/25 16:35	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	6.0	2.8	ng/L	1		Draft Method 1633	1/14/25	1/16/25 16:35	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	6.0	3.1	ng/L	1		Draft Method 1633	1/14/25	1/16/25 16:35	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	1.5	0.52	ng/L	1		Draft Method 1633	1/14/25	1/16/25 16:35	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	1.5	0.26	ng/L	1		Draft Method 1633	1/14/25	1/16/25 16:35	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	1.5	0.31	ng/L	1		Draft Method 1633	1/14/25	1/16/25 16:35	AMS
N-MeFOSAA (NMeFOSAA)	ND	1.5	1.4	ng/L	1		Draft Method 1633	1/14/25	1/16/25 16:35	AMS
N-EtFOSAA (NEtFOSAA)	ND	1.5	0.61	ng/L	1		Draft Method 1633	1/14/25	1/16/25 16:35	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	15	1.2	ng/L	1		Draft Method 1633	1/14/25	1/16/25 16:35	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	15	1.5	ng/L	1		Draft Method 1633	1/14/25	1/16/25 16:35	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	6.0	1.4	ng/L	1		Draft Method 1633	1/14/25	1/16/25 16:35	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	6.0	0.80	ng/L	1		Draft Method 1633	1/14/25	1/16/25 16:35	AMS
9Cl-PF3ONS (F53B Minor)	ND	6.0	0.88	ng/L	1		Draft Method 1633	1/14/25	1/16/25 16:35	AMS
11Cl-PF3OUdS (F53B Major)	ND	6.0	1.6	ng/L	1		Draft Method 1633	1/14/25	1/16/25 16:35	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	7.5	2.1	ng/L	1		Draft Method 1633	1/14/25	1/16/25 16:35	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	38	6.6	ng/L	1		Draft Method 1633	1/14/25	1/16/25 16:35	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	38	8.4	ng/L	1		Draft Method 1633	1/14/25	1/16/25 16:35	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	3.0	0.53	ng/L	1		Draft Method 1633	1/14/25	1/16/25 16:35	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	3.0	0.43	ng/L	1		Draft Method 1633	1/14/25	1/16/25 16:35	AMS

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-FB-20241217 Sampled: 12/17/2024 14:00

Sample ID: 24L1652-24

Sample Matrix: Field Blank

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	3.0	0.40	ng/L	1		Draft Method 1633	1/14/25	1/16/25 16:35	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	3.0	2.0	ng/L	1		Draft Method 1633	1/14/25	1/16/25 16:35	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C4-PFBA	104	5-130		1/16/25 16:35
13C5-PFPeA	104	40-130		1/16/25 16:35
13C5-PFHxA	102	40-130		1/16/25 16:35
13C4-PFHpA	103	40-130		1/16/25 16:35
13C8-PFOA	101	40-130		1/16/25 16:35
13C9-PFNA	97.9	40-130		1/16/25 16:35
13C6-PFDA	100	40-130		1/16/25 16:35
13C7-PFUnA	97.8	30-130		1/16/25 16:35
13C2-PFDoA	90.8	10-130		1/16/25 16:35
13C2-PFTeDA	87.0	10-130		1/16/25 16:35
13C3-PFBS	101	40-135		1/16/25 16:35
13C3-PFHxS	102	40-130		1/16/25 16:35
13C8-PFOS	99.5	40-130		1/16/25 16:35
13C2-4:2FTS	96.7	40-200		1/16/25 16:35
13C2-6:2FTS	115	40-200		1/16/25 16:35
13C2-8:2FTS	97.5	40-300		1/16/25 16:35
13C8-PFOSA	89.6	40-130		1/16/25 16:35
D3-NMeFOSA	79.6	10-130		1/16/25 16:35
D5-NEtFOSA	79.2	10-130		1/16/25 16:35
D3-NMeFOSAA	92.0	40-170		1/16/25 16:35
D5-NEtFOSAA	115	25-135		1/16/25 16:35
D7-NMeFOSE	82.4	10-130		1/16/25 16:35
D9-NEtFOSE	79.1	10-130		1/16/25 16:35
13C3-HFPO-DA	106	40-130		1/16/25 16:35

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-FB-20241217 Sampled: 12/17/2024 14:00

Sample ID: 24L1652-24

Sample Matrix: Field Blank

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			1			SW-846 8270E	12/23/24	12/27/24 14:27	BGL
No TICs Found	0.0	µg/L			1			SW-846 8270E	12/27/24	12/31/24 14:03	KMC

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-FB-20241217 Sampled: 12/17/2024 14:00

Sample ID: 24L1652-24

Sample Matrix: Field Blank

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
alpha-Chlordane [1]	ND	0.050	0.016	µg/L	1		SW-846 8081B	12/23/24	12/27/24 17:50	TG
gamma-Chlordane [1]	ND	0.050	0.017	µg/L	1		SW-846 8081B	12/23/24	12/27/24 17:50	TG
Aldrin [1]	ND	0.050	0.0036	µg/L	1		SW-846 8081B	12/23/24	12/27/24 17:50	TG
alpha-BHC [1]	ND	0.050	0.022	µg/L	1		SW-846 8081B	12/23/24	12/27/24 17:50	TG
beta-BHC [1]	ND	0.050	0.021	µg/L	1		SW-846 8081B	12/23/24	12/27/24 17:50	TG
delta-BHC [1]	ND	0.050	0.019	µg/L	1		SW-846 8081B	12/23/24	12/27/24 17:50	TG
gamma-BHC (Lindane) [1]	ND	0.030	0.0042	µg/L	1		SW-846 8081B	12/23/24	12/27/24 17:50	TG
4,4'-DDD [1]	ND	0.040	0.0044	µg/L	1		SW-846 8081B	12/23/24	12/27/24 17:50	TG
4,4'-DDE [1]	ND	0.040	0.0030	µg/L	1		SW-846 8081B	12/23/24	12/27/24 17:50	TG
4,4'-DDT [1]	ND	0.040	0.0044	µg/L	1		SW-846 8081B	12/23/24	12/27/24 17:50	TG
Dieldrin [1]	ND	0.0020	0.0014	µg/L	1		SW-846 8081B	12/23/24	12/27/24 17:50	TG
Endosulfan I [1]	ND	0.050	0.017	µg/L	1		SW-846 8081B	12/23/24	12/27/24 17:50	TG
Endosulfan II [1]	ND	0.080	0.015	µg/L	1		SW-846 8081B	12/23/24	12/27/24 17:50	TG
Endosulfan sulfate [1]	ND	0.080	0.016	µg/L	1		SW-846 8081B	12/23/24	12/27/24 17:50	TG
Endrin [1]	ND	0.080	0.019	µg/L	1		SW-846 8081B	12/23/24	12/27/24 17:50	TG
Endrin aldehyde [1]	ND	0.080	0.022	µg/L	1	R-05	SW-846 8081B	12/23/24	12/27/24 17:50	TG
Endrin ketone [1]	ND	0.080	0.016	µg/L	1		SW-846 8081B	12/23/24	12/27/24 17:50	TG
Heptachlor [1]	ND	0.050	0.0044	µg/L	1		SW-846 8081B	12/23/24	12/27/24 17:50	TG
Heptachlor epoxide [1]	ND	0.050	0.0037	µg/L	1		SW-846 8081B	12/23/24	12/27/24 17:50	TG
Methoxychlor [1]	ND	0.50	0.069	µg/L	1		SW-846 8081B	12/23/24	12/27/24 17:50	TG
Toxaphene [1]	ND	1.0	0.40	µg/L	1		SW-846 8081B	12/23/24	12/27/24 17:50	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	87.9	30-150		12/27/24 17:50
Decachlorobiphenyl [2]	83.5	30-150		12/27/24 17:50
Tetrachloro-m-xylene [1]	62.5	30-150		12/27/24 17:50
Tetrachloro-m-xylene [2]	59.8	30-150		12/27/24 17:50

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-FB-20241217 Sampled: 12/17/2024 14:00

Sample ID: 24L1652-24

Sample Matrix: Field Blank

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	0.13	µg/L	1		SW-846 8082A	12/23/24	12/27/24 13:49	MEW
Aroclor-1221 [1]	ND	0.20	0.10	µg/L	1		SW-846 8082A	12/23/24	12/27/24 13:49	MEW
Aroclor-1232 [1]	ND	0.20	0.094	µg/L	1		SW-846 8082A	12/23/24	12/27/24 13:49	MEW
Aroclor-1242 [1]	ND	0.20	0.11	µg/L	1		SW-846 8082A	12/23/24	12/27/24 13:49	MEW
Aroclor-1248 [1]	ND	0.20	0.094	µg/L	1		SW-846 8082A	12/23/24	12/27/24 13:49	MEW
Aroclor-1254 [1]	ND	0.20	0.11	µg/L	1		SW-846 8082A	12/23/24	12/27/24 13:49	MEW
Aroclor-1260 [1]	ND	0.20	0.12	µg/L	1		SW-846 8082A	12/23/24	12/27/24 13:49	MEW
Aroclor-1262 [1]	ND	0.20	0.083	µg/L	1		SW-846 8082A	12/23/24	12/27/24 13:49	MEW
Aroclor-1268 [1]	ND	0.20	0.076	µg/L	1		SW-846 8082A	12/23/24	12/27/24 13:49	MEW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	80.7	30-150		12/27/24 13:49
Decachlorobiphenyl [2]	88.9	30-150		12/27/24 13:49
Tetrachloro-m-xylene [1]	62.1	30-150		12/27/24 13:49
Tetrachloro-m-xylene [2]	64.2	30-150		12/27/24 13:49

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-FB-20241217 Sampled: 12/17/2024 14:00

Sample ID: 24L1652-24

Sample Matrix: Field Blank

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	0.025	mg/L	1		SW-846 6010D	12/24/24	1/4/25 16:49	MJH
Antimony	ND	0.050	0.011	mg/L	1		SW-846 6010D	12/24/24	1/4/25 16:49	MJH
Arsenic	ND	0.010	0.0050	mg/L	1		SW-846 6010D	12/24/24	1/7/25 20:21	MJH
Barium	ND	0.050	0.0098	mg/L	1		SW-846 6010D	12/24/24	1/4/25 16:49	MJH
Beryllium	ND	0.0040	0.00090	mg/L	1		SW-846 6010D	12/24/24	1/4/25 16:49	MJH
Cadmium	ND	0.0040	0.0015	mg/L	1		SW-846 6010D	12/24/24	1/4/25 16:49	MJH
Calcium	ND	0.50	0.21	mg/L	1		SW-846 6010D	12/24/24	1/4/25 16:49	MJH
Chromium	ND	0.010	0.0053	mg/L	1		SW-846 6010D	12/24/24	1/4/25 16:49	MJH
Cobalt	ND	0.010	0.0027	mg/L	1		SW-846 6010D	12/24/24	1/4/25 16:49	MJH
Copper	ND	0.010	0.0095	mg/L	1		SW-846 6010D	12/24/24	1/7/25 20:21	MJH
Iron	ND	0.050	0.036	mg/L	1		SW-846 6010D	12/24/24	1/4/25 16:49	MJH
Lead	ND	0.010	0.0044	mg/L	1		SW-846 6010D	12/24/24	1/7/25 20:21	MJH
Magnesium	ND	0.050	0.016	mg/L	1		SW-846 6010D	12/24/24	1/4/25 16:49	MJH
Manganese	ND	0.010	0.0018	mg/L	1		SW-846 6010D	12/24/24	1/4/25 16:49	MJH
Mercury	ND	0.00020	0.00012	mg/L	1		SW-846 7470A	1/6/25	1/7/25 11:26	AAJ
Nickel	ND	0.010	0.0046	mg/L	1		SW-846 6010D	12/24/24	1/4/25 16:49	MJH
Potassium	ND	2.0	0.47	mg/L	1		SW-846 6010D	12/24/24	1/4/25 16:49	MJH
Selenium	ND	0.050	0.0085	mg/L	1		SW-846 6010D	12/24/24	1/4/25 16:49	MJH
Silver	ND	0.010	0.0044	mg/L	1		SW-846 6010D	12/24/24	1/4/25 16:49	MJH
Sodium	ND	2.0	0.38	mg/L	1		SW-846 6010D	12/24/24	1/4/25 16:49	MJH
Thallium	ND	0.050	0.016	mg/L	1		SW-846 6010D	12/24/24	1/4/25 16:49	MJH
Vanadium	ND	0.010	0.0054	mg/L	1		SW-846 6010D	12/24/24	1/4/25 16:49	MJH
Zinc	0.015	0.010	0.0080	mg/L	1		SW-846 6010D	1/9/25	1/10/25 16:53	MJH
Zinc	0.013	0.010	0.0080	mg/L	1		SW-846 6010D	12/24/24	1/4/25 16:49	MJH

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-FB-20241217 Sampled: 12/17/2024 14:00

Sample ID: 24L1652-24

Sample Matrix: Field Blank

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Solids	ND	10	10	mg/L	1		SM21-24 2540B	12/24/24	12/24/24 9:22	LL

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Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-DUP-1-20241217 Sampled: 12/17/2024 00:00

Sample ID: 24L1652-25

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.076	0.039	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 10:04	MFF
Benzene	ND	0.0015	0.00047	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 10:04	MFF
Bromochloromethane	ND	0.0015	0.00065	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 10:04	MFF
Bromodichloromethane	ND	0.0015	0.00039	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 10:04	MFF
Bromoform	ND	0.0015	0.00066	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 10:04	MFF
Bromomethane	ND	0.0076	0.0013	mg/Kg dry	1	V-34	SW-846 8260D	12/24/24	12/24/24 10:04	MFF
2-Butanone (MEK)	ND	0.030	0.0064	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 10:04	MFF
n-Butylbenzene	ND	0.0015	0.00055	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 10:04	MFF
sec-Butylbenzene	ND	0.0015	0.00061	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 10:04	MFF
tert-Butylbenzene	ND	0.0015	0.00055	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 10:04	MFF
Carbon Disulfide	ND	0.015	0.0076	mg/Kg dry	1	R-05	SW-846 8260D	12/24/24	12/24/24 10:04	MFF
Carbon Tetrachloride	ND	0.0015	0.00044	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 10:04	MFF
Chlorobenzene	ND	0.0015	0.00036	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 10:04	MFF
Chlorodibromomethane	ND	0.00076	0.00050	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 10:04	MFF
Chloroethane	ND	0.015	0.0011	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 10:04	MFF
Chloroform	ND	0.0030	0.00049	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 10:04	MFF
Chloromethane	ND	0.0076	0.00092	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 10:04	MFF
Cyclohexane	ND	0.0076	0.0031	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 10:04	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0015	0.00061	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 10:04	MFF
1,2-Dibromoethane (EDB)	ND	0.00076	0.00055	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 10:04	MFF
1,2-Dichlorobenzene	ND	0.0015	0.00048	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 10:04	MFF
1,3-Dichlorobenzene	ND	0.0015	0.00044	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 10:04	MFF
1,4-Dichlorobenzene	ND	0.0015	0.00047	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 10:04	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.015	0.00066	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 10:04	MFF
1,1-Dichloroethane	ND	0.0015	0.00046	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 10:04	MFF
1,2-Dichloroethane	ND	0.0015	0.00052	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 10:04	MFF
1,1-Dichloroethylene	ND	0.0030	0.00072	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 10:04	MFF
cis-1,2-Dichloroethylene	ND	0.0015	0.00052	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 10:04	MFF
trans-1,2-Dichloroethylene	ND	0.0015	0.00045	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 10:04	MFF
1,2-Dichloropropane	ND	0.0015	0.00047	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 10:04	MFF
cis-1,3-Dichloropropene	ND	0.00076	0.00057	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 10:04	MFF
trans-1,3-Dichloropropene	ND	0.00076	0.00058	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 10:04	MFF
Ethylbenzene	ND	0.0015	0.00044	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 10:04	MFF
2-Hexanone (MBK)	ND	0.015	0.0052	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 10:04	MFF
Isopropylbenzene (Cumene)	ND	0.0015	0.00058	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 10:04	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0015	0.00049	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 10:04	MFF
Methyl Acetate	ND	0.0015	0.0010	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 10:04	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0030	0.00067	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 10:04	MFF
Methyl Cyclohexane	ND	0.0015	0.00054	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 10:04	MFF
Methylene Chloride	ND	0.015	0.00071	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 10:04	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.015	0.0067	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 10:04	MFF
Naphthalene	ND	0.0030	0.00075	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 10:04	MFF
n-Propylbenzene	ND	0.0015	0.00050	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 10:04	MFF
Styrene	ND	0.0015	0.00048	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 10:04	MFF

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-DUP-1-20241217 Sampled: 12/17/2024 00:00

Sample ID: 24L1652-25

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.00076	0.00058	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 10:04	MFF
Tetrachloroethylene	ND	0.0015	0.00066	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 10:04	MFF
Toluene	ND	0.0015	0.00045	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 10:04	MFF
1,2,3-Trichlorobenzene	ND	0.0015	0.00050	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 10:04	MFF
1,2,4-Trichlorobenzene	ND	0.0015	0.00050	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 10:04	MFF
1,1,1-Trichloroethane	ND	0.0015	0.00045	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 10:04	MFF
1,1,2-Trichloroethane	ND	0.0015	0.00039	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 10:04	MFF
Trichloroethylene	ND	0.0015	0.00057	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 10:04	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0076	0.00089	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 10:04	MFF
1,2,3-Trichloropropane	ND	0.0015	0.00061	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 10:04	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0076	0.00079	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 10:04	MFF
1,2,4-Trimethylbenzene	ND	0.0015	0.00073	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 10:04	MFF
1,3,5-Trimethylbenzene	ND	0.0015	0.00061	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 10:04	MFF
Vinyl Chloride	ND	0.0076	0.00059	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 10:04	MFF
m+p Xylene	ND	0.0030	0.0011	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 10:04	MFF
o-Xylene	ND	0.0015	0.00051	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 10:04	MFF
Xylenes (total)	ND	0.0015	0.0015	mg/Kg dry	1		SW-846 8260D	12/24/24	12/24/24 10:04	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	102	70-130		12/24/24 10:04
Toluene-d8	102	70-130		12/24/24 10:04
4-Bromofluorobenzene	99.1	70-130		12/24/24 10:04

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-DUP-1-20241217 Sampled: 12/17/2024 00:00

Sample ID: 24L1652-25

Sample Matrix: Soil

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
N,N'-Bis-3-oxapentamethylen...	0.017	mg/Kg dry	656233	1.079	1	004030-53-9	96	SW-846 8260D	12/24/24	12/24/24 10:04	MFF

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-DUP-1-20241217 Sampled: 12/17/2024 00:00

Sample ID: 24L1652-25

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,3,4,6-Tetrachlorophenol	ND	0.68	0.047	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:36	KMC
Atrazine	ND	0.68	0.044	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:36	KMC
Benzaldehyde	ND	0.35	0.055	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:36	KMC
Biphenyl	ND	0.68	0.044	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:36	KMC
Caprolactam	ND	0.35	0.060	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:36	KMC
Acenaphthene	ND	0.17	0.033	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:36	KMC
Acenaphthylene	ND	0.17	0.031	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:36	KMC
Acetophenone	ND	0.35	0.036	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:36	KMC
Aniline	ND	0.35	0.060	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:36	KMC
Anthracene	ND	0.17	0.031	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:36	KMC
Benzo(a)anthracene	ND	0.17	0.028	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:36	KMC
Benzo(a)pyrene	ND	0.17	0.031	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:36	KMC
Benzo(b)fluoranthene	ND	0.17	0.028	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:36	KMC
Benzo(g,h,i)perylene	ND	0.17	0.050	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:36	KMC
Benzo(k)fluoranthene	ND	0.17	0.031	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:36	KMC
Bis(2-chloroethoxy)methane	ND	0.35	0.037	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:36	KMC
Bis(2-chloroethyl)ether	ND	0.35	0.049	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:36	KMC
2,2'-oxybis(1-Chloropropane)	ND	0.35	0.22	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:36	KMC
Bis(2-Ethylhexyl)phthalate	0.060	0.35	0.041	mg/Kg dry	1	J, V-06	SW-846 8270E	12/28/24	12/30/24 14:36	KMC
4-Bromophenylphenylether	ND	0.35	0.032	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:36	KMC
Butylbenzylphthalate	ND	0.35	0.039	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:36	KMC
Carbazole	ND	0.17	0.035	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:36	KMC
4-Chloroaniline	ND	0.67	0.061	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:36	KMC
4-Chloro-3-methylphenol	ND	0.67	0.036	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:36	KMC
2-Chloronaphthalene	ND	0.35	0.030	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:36	KMC
2-Chlorophenol	ND	0.35	0.035	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:36	KMC
4-Chlorophenylphenylether	ND	0.35	0.029	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:36	KMC
Chrysene	ND	0.17	0.031	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:36	KMC
Dibenz(a,h)anthracene	ND	0.17	0.048	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:36	KMC
Dibenzofuran	ND	0.35	0.031	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:36	KMC
Di-n-butylphthalate	ND	0.35	0.13	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:36	KMC
3,3-Dichlorobenzidine	ND	0.17	0.075	mg/Kg dry	1	V-34	SW-846 8270E	12/28/24	12/30/24 14:36	KMC
2,4-Dichlorophenol	ND	0.35	0.033	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:36	KMC
Diethylphthalate	ND	0.35	0.033	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:36	KMC
2,4-Dimethylphenol	ND	0.35	0.080	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:36	KMC
Dimethylphthalate	ND	0.35	0.033	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:36	KMC
4,6-Dinitro-2-methylphenol	ND	0.35	0.27	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:36	KMC
2,4-Dinitrophenol	ND	0.67	0.27	mg/Kg dry	1	V-04	SW-846 8270E	12/28/24	12/30/24 14:36	KMC
2,4-Dinitrotoluene	ND	0.35	0.035	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:36	KMC
2,6-Dinitrotoluene	ND	0.35	0.037	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:36	KMC
Di-n-octylphthalate	0.25	0.35	0.049	mg/Kg dry	1	J	SW-846 8270E	12/28/24	12/30/24 14:36	KMC
Fluoranthene	ND	0.17	0.028	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:36	KMC
Fluorene	ND	0.17	0.031	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:36	KMC
Hexachlorobenzene	ND	0.35	0.033	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:36	KMC

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-DUP-1-20241217 Sampled: 12/17/2024 00:00

Sample ID: 24L1652-25

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.35	0.031	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:36	KMC
Hexachlorocyclopentadiene	ND	0.35	0.23	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:36	KMC
Hexachloroethane	ND	0.35	0.032	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:36	KMC
Indeno(1,2,3-cd)pyrene	ND	0.17	0.056	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:36	KMC
Isophorone	ND	0.35	0.037	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:36	KMC
1-Methylnaphthalene	ND	0.17	0.035	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:36	KMC
2-Methylnaphthalene	ND	0.17	0.029	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:36	KMC
2-Methylphenol	ND	0.35	0.046	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:36	KMC
3/4-Methylphenol	ND	0.35	0.046	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:36	KMC
Naphthalene	ND	0.17	0.061	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:36	KMC
2-Nitroaniline	ND	0.35	0.042	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:36	KMC
3-Nitroaniline	ND	0.35	0.072	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:36	KMC
4-Nitroaniline	ND	0.35	0.039	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:36	KMC
Nitrobenzene	ND	0.35	0.044	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:36	KMC
2-Nitrophenol	ND	0.35	0.034	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:36	KMC
4-Nitrophenol	ND	0.67	0.092	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:36	KMC
N-Nitrosodiphenylamine/Diphenylamine	ND	0.35	0.044	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:36	KMC
N-Nitrosodi-n-propylamine	ND	0.35	0.048	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:36	KMC
Pentachlorophenol	ND	0.35	0.12	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:36	KMC
Phenanthrene	ND	0.17	0.031	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:36	KMC
Phenol	ND	0.35	0.044	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:36	KMC
Pyrene	ND	0.17	0.036	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:36	KMC
Pyridine	ND	0.35	0.040	mg/Kg dry	1	V-34	SW-846 8270E	12/28/24	12/30/24 14:36	KMC
1,2,4,5-Tetrachlorobenzene	ND	0.35	0.034	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:36	KMC
2,4,5-Trichlorophenol	ND	0.35	0.035	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:36	KMC
2,4,6-Trichlorophenol	ND	0.35	0.033	mg/Kg dry	1		SW-846 8270E	12/28/24	12/30/24 14:36	KMC

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
2-Fluorophenol	37.1		30-130		12/30/24 14:36
Phenol-d6	67.4		30-130		12/30/24 14:36
Nitrobenzene-d5	79.5		30-130		12/30/24 14:36
2-Fluorobiphenyl	74.1		30-130		12/30/24 14:36
2,4,6-Tribromophenol	**23.6**	*	30-130	S-07	12/30/24 14:36
p-Terphenyl-d14	112		30-130		12/30/24 14:36

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-DUP-1-20241217 Sampled: 12/17/2024 00:00

Sample ID: 24L1652-25

Sample Matrix: Soil

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.050	0.040	mg/Kg dry	1		SW-846 8270E	12/28/24	1/7/25 3:25	GJB

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	41.2	15-110		1/7/25 3:25	

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-DUP-1-20241217 Sampled: 12/17/2024 00:00

Sample ID: 24L1652-25

Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	0.79	0.27	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:48	AMS
Perfluoropentanoic acid (PFPeA)	ND	0.40	0.12	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:48	AMS
Perfluorohexanoic acid (PFHxA)	ND	0.20	0.081	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:48	AMS
Perfluoroheptanoic acid (PFHpA)	ND	0.20	0.082	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:48	AMS
Perfluorooctanoic acid (PFOA)	0.11	0.20	0.069	µg/kg dry	1	J	Draft Method 1633	1/23/25	1/27/25 17:48	AMS
Perfluorononanoic acid (PFNA)	ND	0.20	0.075	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:48	AMS
Perfluorodecanoic acid (PFDA)	ND	0.20	0.063	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:48	AMS
Perfluoroundecanoic acid (PFUnA)	ND	0.20	0.082	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:48	AMS
Perfluorododecanoic acid (PFDoA)	ND	0.20	0.074	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:48	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	0.20	0.063	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:48	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	0.20	0.067	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:48	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	0.20	0.063	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:48	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	0.20	0.064	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:48	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	0.20	0.075	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:48	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.20	0.10	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:48	AMS
Perfluorooctanesulfonic acid (PFOS)	0.14	0.20	0.060	µg/kg dry	1	J	Draft Method 1633	1/23/25	1/27/25 17:48	AMS
Perfluorononanesulfonic acid (PFNS)	ND	0.20	0.050	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:48	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	0.20	0.064	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:48	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	0.20	0.057	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:48	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	0.79	0.29	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:48	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	0.79	0.28	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:48	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	0.79	0.37	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:48	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	0.20	0.081	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:48	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	0.20	0.055	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:48	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.20	0.089	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:48	AMS
N-MeFOSAA (NMeFOSAA)	ND	0.20	0.10	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:48	AMS
N-EtFOSAA (NEtFOSAA)	ND	0.20	0.091	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:48	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	2.0	0.64	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:48	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	2.0	0.71	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:48	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	0.79	0.33	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:48	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	0.79	0.32	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:48	AMS
9Cl-PF3ONS (F53B Minor)	ND	0.79	0.23	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:48	AMS
11Cl-PF3OUdS (F53B Major)	ND	0.79	0.26	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:48	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	0.99	0.49	µg/kg dry	1	L-03	Draft Method 1633	1/23/25	1/27/25 17:48	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	5.0	1.5	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:48	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	5.0	1.6	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:48	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	0.40	0.14	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:48	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	0.40	0.092	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:48	AMS

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-DUP-1-20241217 Sampled: 12/17/2024 00:00

Sample ID: 24L1652-25

Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	0.40	0.12	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:48	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	0.40	0.24	µg/kg dry	1		Draft Method 1633	1/23/25	1/27/25 17:48	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C4-PFBA	68.0	8-130		1/27/25 17:48
13C5-PFPeA	100	35-130		1/27/25 17:48
13C5-PFHxA	110	40-130		1/27/25 17:48
13C4-PFHpA	108	40-130		1/27/25 17:48
13C8-PFOA	117	40-130		1/27/25 17:48
13C9-PFNA	111	40-130		1/27/25 17:48
13C6-PFDA	110	40-130		1/27/25 17:48
13C7-PFUnA	116	40-130		1/27/25 17:48
13C2-PFDoA	106	40-130		1/27/25 17:48
13C2-PFTeDA	107	20-130		1/27/25 17:48
13C3-PFBS	113	40-135		1/27/25 17:48
13C3-PFHxS	112	40-130		1/27/25 17:48
13C8-PFOS	112	40-130		1/27/25 17:48
13C2-4:2FTS	119	40-165		1/27/25 17:48
13C2-6:2FTS	124	40-215		1/27/25 17:48
13C2-8:2FTS	121	40-275		1/27/25 17:48
13C8-PFOSA	88.1	40-130		1/27/25 17:48
D3-NMeFOSA	96.1	10-130		1/27/25 17:48
D5-NEtFOSA	96.6	10-130		1/27/25 17:48
D3-NMeFOSAA	105	40-135		1/27/25 17:48
D5-NEtFOSAA	107	40-150		1/27/25 17:48
D7-NMeFOSE	96.4	20-130		1/27/25 17:48
D9-NEtFOSE	95.9	15-130		1/27/25 17:48
13C3-HFPO-DA	118	40-130		1/27/25 17:48

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-DUP-1-20241217 Sampled: 12/17/2024 00:00

Sample ID: 24L1652-25

Sample Matrix: Soil

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
3-Penten-2-one, 4-methyl-	0.16	mg/Kg dry	69977	2.441	1	000141-79-7	91	SW-846 8270E	12/28/24	12/30/24 14:36	KMC
Furan, 2,5-dimethyl-	2.5	mg/Kg dry	1067890	2.027	1	000625-86-5	97	SW-846 8270E	12/28/24	12/30/24 14:36	KMC
Heptane, 2,3-dimethyl-	0.74	mg/Kg dry	317534	2.72	1	003074-71-3	94	SW-846 8270E	12/28/24	12/30/24 14:36	KMC
Heptane, 2,4-dimethyl-	0.38	mg/Kg dry	163933	2.555	1	002213-23-2	91	SW-846 8270E	12/28/24	12/30/24 14:36	KMC
Heptane, 2,6-dimethyl-	0.33	mg/Kg dry	142599	2.588	1	001072-05-5	91	SW-846 8270E	12/28/24	12/30/24 14:36	KMC
Hexane, 2,3,5-trimethyl-	0.17	mg/Kg dry	74464	2.526	1	001069-53-0	83	SW-846 8270E	12/28/24	12/30/24 14:36	KMC
Octane, 3-methyl-	1.1	mg/Kg dry	453739	2.619	1	002216-33-3	91	SW-846 8270E	12/28/24	12/30/24 14:36	KMC

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-DUP-1-20241217 Sampled: 12/17/2024 00:00

Sample ID: 24L1652-25

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
alpha-Chlordane [1]	ND	0.0048	0.0022	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:48	TG
gamma-Chlordane [1]	ND	0.0048	0.0021	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:48	TG
Aldrin [1]	ND	0.0048	0.00047	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:48	TG
alpha-BHC [1]	ND	0.0048	0.0023	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:48	TG
beta-BHC [1]	ND	0.0048	0.0026	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:48	TG
delta-BHC [1]	ND	0.0048	0.0026	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:48	TG
gamma-BHC (Lindane) [1]	ND	0.0019	0.00067	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:48	TG
4,4'-DDD [1]	ND	0.0039	0.00082	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:48	TG
4,4'-DDE [1]	ND	0.0039	0.00043	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:48	TG
4,4'-DDT [1]	ND	0.0039	0.00050	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:48	TG
Dieldrin [1]	ND	0.0039	0.00046	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:48	TG
Endosulfan I [1]	ND	0.0048	0.0023	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:48	TG
Endosulfan II [1]	ND	0.0077	0.0021	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:48	TG
Endosulfan sulfate [1]	ND	0.0077	0.0019	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:48	TG
Endrin [1]	ND	0.0077	0.0024	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:48	TG
Endrin aldehyde [1]	ND	0.0077	0.0019	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:48	TG
Endrin ketone [1]	ND	0.0077	0.0019	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:48	TG
Heptachlor [1]	ND	0.0048	0.00053	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:48	TG
Heptachlor epoxide [1]	ND	0.0048	0.00056	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:48	TG
Methoxychlor [1]	ND	0.048	0.0057	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:48	TG
Toxaphene [1]	ND	0.097	0.040	mg/Kg dry	1		SW-846 8081B	12/28/24	1/8/25 17:48	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	109	30-150		1/8/25 17:48
Decachlorobiphenyl [2]	114	30-150		1/8/25 17:48
Tetrachloro-m-xylene [1]	92.5	30-150		1/8/25 17:48
Tetrachloro-m-xylene [2]	95.0	30-150		1/8/25 17:48

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-DUP-1-20241217 Sampled: 12/17/2024 00:00

Sample ID: 24L1652-25

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.077	0.019	mg/Kg dry	4		SW-846 8082A	12/28/24	1/3/25 11:19	TG
Aroclor-1221 [1]	ND	0.077	0.036	mg/Kg dry	4		SW-846 8082A	12/28/24	1/3/25 11:19	TG
Aroclor-1232 [1]	ND	0.077	0.019	mg/Kg dry	4		SW-846 8082A	12/28/24	1/3/25 11:19	TG
Aroclor-1242 [1]	ND	0.077	0.021	mg/Kg dry	4		SW-846 8082A	12/28/24	1/3/25 11:19	TG
Aroclor-1248 [1]	ND	0.077	0.019	mg/Kg dry	4		SW-846 8082A	12/28/24	1/3/25 11:19	TG
Aroclor-1254 [1]	ND	0.077	0.023	mg/Kg dry	4		SW-846 8082A	12/28/24	1/3/25 11:19	TG
Aroclor-1260 [1]	ND	0.077	0.016	mg/Kg dry	4		SW-846 8082A	12/28/24	1/3/25 11:19	TG
Aroclor-1262 [1]	ND	0.077	0.020	mg/Kg dry	4		SW-846 8082A	12/28/24	1/3/25 11:19	TG
Aroclor-1268 [1]	ND	0.077	0.020	mg/Kg dry	4		SW-846 8082A	12/28/24	1/3/25 11:19	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	114	30-150		1/3/25 11:19
Decachlorobiphenyl [2]	106	30-150		1/3/25 11:19
Tetrachloro-m-xylene [1]	97.6	30-150		1/3/25 11:19
Tetrachloro-m-xylene [2]	88.2	30-150		1/3/25 11:19

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-DUP-1-20241217 Sampled: 12/17/2024 00:00

Sample ID: 24L1652-25

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	4200	16	5.2	mg/Kg dry	1		SW-846 6010D	12/30/24	1/18/25 22:23	MJH
Antimony	ND	1.6	0.44	mg/Kg dry	1		SW-846 6010D	12/30/24	1/2/25 17:11	DML
Arsenic	41	3.3	0.46	mg/Kg dry	1		SW-846 6010D	12/30/24	1/2/25 17:11	DML
Barium	100	1.6	0.35	mg/Kg dry	1		SW-846 6010D	12/30/24	1/2/25 17:11	DML
Beryllium	0.26	0.16	0.050	mg/Kg dry	1		SW-846 6010D	12/30/24	1/2/25 17:11	DML
Cadmium	ND	0.33	0.16	mg/Kg dry	1		SW-846 6010D	12/30/24	1/8/25 14:53	NC
Calcium	8000	16	8.5	mg/Kg dry	1		SW-846 6010D	12/30/24	1/8/25 14:53	NC
Chromium	9.6	0.66	0.42	mg/Kg dry	1		SW-846 6010D	12/30/24	1/2/25 17:11	DML
Cobalt	7.1	1.6	0.28	mg/Kg dry	1		SW-846 6010D	12/30/24	1/2/25 17:11	DML
Copper	29	1.4	1.2	mg/Kg dry	1	B	SW-846 6010D	1/20/25	1/27/25 19:52	NC
Iron	7900	16	7.6	mg/Kg dry	1		SW-846 6010D	12/30/24	1/8/25 14:53	NC
Lead	380	0.49	0.35	mg/Kg dry	1		SW-846 6010D	12/30/24	1/8/25 14:53	NC
Magnesium	2800	16	3.8	mg/Kg dry	1		SW-846 6010D	12/30/24	1/8/25 14:53	NC
Manganese	150	0.33	0.19	mg/Kg dry	1		SW-846 6010D	12/30/24	1/8/25 14:53	NC
Mercury	1.8	0.13	0.060	mg/Kg dry	5		SW-846 7471B	1/8/25	1/13/25 16:17	AAJ
Nickel	12	0.66	0.45	mg/Kg dry	1		SW-846 6010D	12/30/24	1/2/25 17:11	DML
Potassium	1000	160	41	mg/Kg dry	1		SW-846 6010D	12/30/24	1/18/25 22:23	MJH
Selenium	ND	3.3	0.82	mg/Kg dry	1		SW-846 6010D	12/30/24	1/2/25 17:11	DML
Silver	0.31	0.33	0.20	mg/Kg dry	1	J	SW-846 6010D	12/30/24	1/2/25 17:11	DML
Sodium	230	160	49	mg/Kg dry	1		SW-846 6010D	12/30/24	1/2/25 17:11	DML
Thallium	ND	8.2	2.6	mg/Kg dry	5	DL-03	SW-846 6010D	12/30/24	1/20/25 15:54	NC
Vanadium	13	0.66	0.36	mg/Kg dry	1		SW-846 6010D	12/30/24	1/2/25 17:11	DML
Zinc	72	0.69	0.61	mg/Kg dry	1		SW-846 6010D	1/20/25	1/27/25 19:52	NC

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-DUP-1-20241217 Sampled: 12/17/2024 00:00

Sample ID: 24L1652-25

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.0			% Wt	1		SM 2540G	12/24/24	12/24/24 7:17	MLR
Cyanide	ND	0.52	0.39	mg/Kg dry	1	H-15	SW-846 9014	1/12/25	1/12/25 16:45	DET

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-DUP-2-20241217 Sampled: 12/17/2024 00:00

Sample ID: 24L1652-26

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Mercury	5.1	0.28	0.13	mg/Kg dry	10		SW-846 7471B	1/8/25	1/13/25 16:19	AAJ

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: 250WATERST-DUP-2-20241217 Sampled: 12/17/2024 00:00

Sample ID: 24L1652-26

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.2			% Wt	1		SM 2540G	12/24/24	12/24/24 7:17	MLR

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: Trip Blank Sampled: 12/17/2024 00:00

Sample ID: 24L1652-27

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	12/24/24	12/27/24 12:31	EEH
Benzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	12/24/24	12/27/24 12:31	EEH
Bromochloromethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	12/24/24	12/27/24 12:31	EEH
Bromodichloromethane	ND	0.50	0.19	µg/L	1		SW-846 8260D	12/24/24	12/27/24 12:31	EEH
Bromoform	ND	1.0	0.30	µg/L	1		SW-846 8260D	12/24/24	12/27/24 12:31	EEH
Bromomethane	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	12/24/24	12/27/24 12:31	EEH
2-Butanone (MEK)	ND	20	1.4	µg/L	1		SW-846 8260D	12/24/24	12/27/24 12:31	EEH
n-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	12/24/24	12/27/24 12:31	EEH
sec-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	12/24/24	12/27/24 12:31	EEH
tert-Butylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	12/24/24	12/27/24 12:31	EEH
Carbon Disulfide	ND	5.0	1.5	µg/L	1		SW-846 8260D	12/24/24	12/27/24 12:31	EEH
Carbon Tetrachloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	12/24/24	12/27/24 12:31	EEH
Chlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	12/24/24	12/27/24 12:31	EEH
Chlorodibromomethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	12/24/24	12/27/24 12:31	EEH
Chloroethane	ND	2.0	0.46	µg/L	1		SW-846 8260D	12/24/24	12/27/24 12:31	EEH
Chloroform	ND	2.0	0.19	µg/L	1		SW-846 8260D	12/24/24	12/27/24 12:31	EEH
Chloromethane	ND	2.0	0.50	µg/L	1	V-05	SW-846 8260D	12/24/24	12/27/24 12:31	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	12/24/24	12/27/24 12:31	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.63	µg/L	1		SW-846 8260D	12/24/24	12/27/24 12:31	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.13	µg/L	1		SW-846 8260D	12/24/24	12/27/24 12:31	EEH
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	12/24/24	12/27/24 12:31	EEH
1,3-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	12/24/24	12/27/24 12:31	EEH
1,4-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	12/24/24	12/27/24 12:31	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.20	µg/L	1		SW-846 8260D	12/24/24	12/27/24 12:31	EEH
1,1-Dichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	12/24/24	12/27/24 12:31	EEH
1,2-Dichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260D	12/24/24	12/27/24 12:31	EEH
1,1-Dichloroethylene	ND	1.0	0.18	µg/L	1		SW-846 8260D	12/24/24	12/27/24 12:31	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.20	µg/L	1		SW-846 8260D	12/24/24	12/27/24 12:31	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	12/24/24	12/27/24 12:31	EEH
1,2-Dichloropropane	ND	1.0	0.17	µg/L	1		SW-846 8260D	12/24/24	12/27/24 12:31	EEH
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		SW-846 8260D	12/24/24	12/27/24 12:31	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	12/24/24	12/27/24 12:31	EEH
Ethylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	12/24/24	12/27/24 12:31	EEH
2-Hexanone (MBK)	ND	10	1.3	µg/L	1		SW-846 8260D	12/24/24	12/27/24 12:31	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	12/24/24	12/27/24 12:31	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	12/24/24	12/27/24 12:31	EEH
Methyl Acetate	ND	1.0	0.48	µg/L	1		SW-846 8260D	12/24/24	12/27/24 12:31	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	12/24/24	12/27/24 12:31	EEH
Methyl Cyclohexane	ND	1.0	0.13	µg/L	1		SW-846 8260D	12/24/24	12/27/24 12:31	EEH
Methylene Chloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	12/24/24	12/27/24 12:31	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.4	µg/L	1		SW-846 8260D	12/24/24	12/27/24 12:31	EEH
Naphthalene	ND	2.0	0.25	µg/L	1		SW-846 8260D	12/24/24	12/27/24 12:31	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	12/24/24	12/27/24 12:31	EEH
Styrene	ND	1.0	0.13	µg/L	1		SW-846 8260D	12/24/24	12/27/24 12:31	EEH

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: Trip Blank Sampled: 12/17/2024 00:00

Sample ID: 24L1652-27

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	0.10	µg/L	1		SW-846 8260D	12/24/24	12/27/24 12:31	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	12/24/24	12/27/24 12:31	EEH
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	12/24/24	12/27/24 12:31	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.22	µg/L	1		SW-846 8260D	12/24/24	12/27/24 12:31	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	12/24/24	12/27/24 12:31	EEH
1,1,1-Trichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	12/24/24	12/27/24 12:31	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	12/24/24	12/27/24 12:31	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	12/24/24	12/27/24 12:31	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.14	µg/L	1		SW-846 8260D	12/24/24	12/27/24 12:31	EEH
1,2,3-Trichloropropane	ND	2.0	0.27	µg/L	1		SW-846 8260D	12/24/24	12/27/24 12:31	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.16	µg/L	1		SW-846 8260D	12/24/24	12/27/24 12:31	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	12/24/24	12/27/24 12:31	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	12/24/24	12/27/24 12:31	EEH
Vinyl Chloride	ND	2.0	0.19	µg/L	1		SW-846 8260D	12/24/24	12/27/24 12:31	EEH
m+p Xylene	ND	2.0	0.25	µg/L	1		SW-846 8260D	12/24/24	12/27/24 12:31	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	12/24/24	12/27/24 12:31	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	12/24/24	12/27/24 12:31	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	97.4	70-130		12/27/24 12:31
Toluene-d8	99.7	70-130		12/27/24 12:31
4-Bromofluorobenzene	107	70-130		12/27/24 12:31

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Water Street, New York, NY Sample Description: Work Order: 24L1652

Date Received: 12/19/2024

Field Sample #: Trip Blank Sampled: 12/17/2024 00:00

Sample ID: 24L1652-27

Sample Matrix: Trip Blank Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			1			SW-846 8260D	12/24/24	12/27/24 12:31	EEH

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260D

Laboratory:	Pace New England	Work Order:	24L1652
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Steet - P-site - CO 152653
Matrix:	Soil	Preparation:	SW-846 5035
Batch:	B395678	Laboratory ID:	B395678-BS1
Column:		Initial/Final:	5 g / 10 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.		QC LIMITS REC.
Acetone	0.2000	0.200	100		70 - 160
Benzene	0.02000	0.0230	115		70 - 130
Bromochloromethane	0.02000	0.0213	106		70 - 130
Bromodichloromethane	0.02000	0.0197	98.7		70 - 130
Bromoform	0.02000	0.0188	93.8		70 - 130
Bromomethane	0.02000	0.0189	94.5		40 - 130
2-Butanone (MEK)	0.2000	0.210	105		70 - 160
n-Butylbenzene	0.02000	0.0194	97.0		70 - 130
sec-Butylbenzene	0.02000	0.0202	101		70 - 130
tert-Butylbenzene	0.02000	0.0204	102		70 - 160
Carbon Disulfide	0.2000	0.276	138	*	70 - 130
Carbon Tetrachloride	0.02000	0.0232	116		70 - 130
Chlorobenzene	0.02000	0.0163	81.3		70 - 130
Chlorodibromomethane	0.02000	0.0188	94.2		70 - 130
Chloroethane	0.02000	0.0207	104		70 - 130
Chloroform	0.02000	0.0216	108		70 - 130
Chloromethane	0.02000	0.0182	91.2		70 - 130
Cyclohexane	0.02000	0.0195	97.6		70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	0.02000	0.0187	93.7		70 - 130
1,2-Dibromoethane (EDB)	0.02000	0.0209	104		70 - 130
1,2-Dichlorobenzene	0.02000	0.0210	105		70 - 130
1,3-Dichlorobenzene	0.02000	0.0205	102		70 - 130
1,4-Dichlorobenzene	0.02000	0.0196	97.8		70 - 130
Dichlorodifluoromethane (Freon 12)	0.02000	0.0199	99.7		40 - 160
1,1-Dichloroethane	0.02000	0.0209	104		70 - 130
1,2-Dichloroethane	0.02000	0.0185	92.4		70 - 130
1,1-Dichloroethylene	0.02000	0.0211	106		70 - 130
cis-1,2-Dichloroethylene	0.02000	0.0206	103		70 - 130
trans-1,2-Dichloroethylene	0.02000	0.0204	102		70 - 130
1,2-Dichloropropane	0.02000	0.0194	97.2		70 - 130
cis-1,3-Dichloropropene	0.02000	0.0205	102		70 - 130
trans-1,3-Dichloropropene	0.02000	0.0196	97.9		70 - 130
Ethylbenzene	0.02000	0.0196	98.0		70 - 130
2-Hexanone (MBK)	0.2000	0.196	97.8		70 - 160
Isopropylbenzene (Cumene)	0.02000	0.0194	96.8		70 - 130
p-Isopropyltoluene (p-Cymene)	0.02000	0.0198	99.2		70 - 130
Methyl Acetate	0.02000	0.0311	155	*	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260D

Laboratory:	Pace New England	Work Order:	24L1652
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Steet - P-site - CO 152653
Matrix:	Soil	Preparation:	SW-846 5035
Batch:	B395678	Laboratory ID:	B395678-BSD1
Column:		Initial/Final:	5 g / 10 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD % REC. #		% RPD #		QC LIMITS RPD	QC LIMITS REC.
tert-Butylbenzene	0.02000	0.0196	97.8		4.01		25	70 - 160
Carbon Disulfide	0.2000	0.194	97.0		35.0	*	25	70 - 130
Carbon Tetrachloride	0.02000	0.0188	93.8		21.2		25	70 - 130
Chlorobenzene	0.02000	0.0180	89.8		9.94		25	70 - 130
Chlorodibromomethane	0.02000	0.0188	94.2		0.00		25	70 - 130
Chloroethane	0.02000	0.0206	103		0.678		25	70 - 130
Chloroform	0.02000	0.0204	102		5.90		25	70 - 130
Chloromethane	0.02000	0.0167	83.5		8.82		25	70 - 130
Cyclohexane	0.02000	0.0182	91.1		6.89		25	70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	0.02000	0.0179	89.7		4.36		25	70 - 130
1,2-Dibromoethane (EDB)	0.02000	0.0206	103		1.45		25	70 - 130
1,2-Dichlorobenzene	0.02000	0.0204	102		2.99		25	70 - 130
1,3-Dichlorobenzene	0.02000	0.0195	97.4		4.91		25	70 - 130
1,4-Dichlorobenzene	0.02000	0.0194	97.1		0.718		25	70 - 130
Dichlorodifluoromethane (Freon 12)	0.02000	0.0186	93.2		6.74		25	40 - 160
1,1-Dichloroethane	0.02000	0.0202	101		3.41		25	70 - 130
1,2-Dichloroethane	0.02000	0.0187	93.7		1.40		25	70 - 130
1,1-Dichloroethylene	0.02000	0.0198	98.8		6.65		25	70 - 130
cis-1,2-Dichloroethylene	0.02000	0.0201	100		2.65		25	70 - 130
trans-1,2-Dichloroethylene	0.02000	0.0194	97.1		5.12		25	70 - 130
1,2-Dichloropropane	0.02000	0.0193	96.7		0.516		25	70 - 130
cis-1,3-Dichloropropene	0.02000	0.0200	100		2.27		25	70 - 130
trans-1,3-Dichloropropene	0.02000	0.0193	96.4		1.54		25	70 - 130
Ethylbenzene	0.02000	0.0197	98.7		0.712		25	70 - 130
2-Hexanone (MBK)	0.2000	0.187	93.5		4.50		25	70 - 160
Isopropylbenzene (Cumene)	0.02000	0.0190	95.2		1.67		25	70 - 130
p-Isopropyltoluene (p-Cymene)	0.02000	0.0188	94.0		5.38		25	70 - 130
Methyl Acetate	0.02000	0.0297	148	*	4.54		25	70 - 130
Methyl tert-Butyl Ether (MTBE)	0.02000	0.0213	107		3.95		25	70 - 130
Methyl Cyclohexane	0.02000	0.0188	94.1		4.26		25	70 - 130
Methylene Chloride	0.02000	0.0184	91.9		5.94		25	40 - 160
4-Methyl-2-pentanone (MIBK)	0.2000	0.195	97.7		1.92		25	70 - 160
Naphthalene	0.02000	0.0204	102		3.47		25	40 - 130
n-Propylbenzene	0.02000	0.0197	98.3		1.71		25	70 - 130
Styrene	0.02000	0.0195	97.7		1.32		25	70 - 130

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260D

Laboratory:	Pace New England	Work Order:	24L1652
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Steet - P-site - CO 152653
Calibration:	2401066	Instrument:	GCMSVOA5
		Calibration Date:	10/7/2024 8:33:37AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
Acetone	9.602397E-02	10.1			20	
Acrolein	7.029992E-02	7.7			20	
Acrylonitrile	0.150703	8.2			20	
tert-Amyl Alcohol (TAA)	2.497969E-02	12.1			20	
tert-Amyl Ethyl Ether (TAEE)	0.5720421	9.4			20	
tert-Amyl Methyl Ether (TAME)	0.7428344	9.6			20	
Benzene	1.163315	6.9			20	
Bromobenzene	0.722827	6.2			20	
Bromochloromethane	0.3376078	6.3			20	
Bromodichloromethane	0.2947746	8.2			20	
Bromoform	0.3065314	13.1			20	
Bromomethane	0.3073076	9.6			20	
2-Butanone (MEK)	0.1894476	14.0			20	
tert-Butyl Alcohol (TBA)	3.209599E-02	16.1			20	
n-Butylbenzene	1.25306	13.9			20	
sec-Butylbenzene	1.73379	9.1			20	
tert-Butylbenzene	1.34177	10.3			20	
tert-Butyl Ethyl Ether (TBEE)	1.048797	8.5			20	
Carbon Disulfide	0.8784511	8.6			20	
Carbon Tetrachloride	0.4267025	11.9			20	
Chlorobenzene	1.238997	5.5			20	
Chlorodibromomethane	0.2333805	14.1			20	
Chloroethane	0.2849829	13.1			20	
2-Chloroethyl Vinyl Ether	7.778844E-02	17.9			20	
Chloroform	0.6050146	13.3			20	
Chloromethane	0.6275182	13.9			20	
2-Chlorotoluene	1.300371	7.9			20	
4-Chlorotoluene	1.323652	6.2			20	
Cyclohexane	0.6838022	7.9			20	
1,2-Dibromo-3-chloropropane (DBCP)	7.778455E-02	14.2			20	
1,2-Dibromoethane (EDB)	0.203255	9.4			20	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260D

Laboratory:	Pace New England	Work Order:	24L1652
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Steet - P-site - CO 152653
Calibration:	2401066	Instrument:	GCMSVOA5
		Calibration Date:	10/7/2024 8:33:37AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
Methyl tert-Butyl Ether (MTBE)	0.7821541	6.6			20	
Methyl Cyclohexane	0.3202525	9.7			20	
Methylene Chloride	0.5468243	5.4			20	
4-Methyl-2-pentanone (MIBK)	0.2249997	10.3			20	
Naphthalene	0.9430242	14.2			20	
n-Propylbenzene	2.102766	8.5			20	
Styrene	1.188394	8.6			20	
1,1,1,2-Tetrachloroethane	0.4715185	7.5			20	
1,1,2,2-Tetrachloroethane	0.4834308	7.4			20	
Tetrachloroethylene	0.2480258	9.7			20	
Tetrahydrofuran	0.1138555	8.7			20	
Toluene	0.8593368	8.5			20	
1,2,3-Trichlorobenzene	0.3104076	16.8			20	
1,2,4-Trichlorobenzene	0.4330175	15.3			20	
1,3,5-Trichlorobenzene	0.5360438	11.5			20	
1,1,1-Trichloroethane	0.4765354	8.6			20	
1,1,2-Trichloroethane	0.1849714	9.8			20	
Trichloroethylene	0.2269485	7.6			20	
Trichlorofluoromethane (Freon 11)	0.489222	8.5			20	
1,2,3-Trichloropropane	0.3759391	8.7			20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	0.3155157	9.1			20	
1,2,3-Trimethylbenzene	1.508798	8.8			20	
1,2,4-Trimethylbenzene	1.531211	7.8			20	
1,3,5-Trimethylbenzene	1.459604	8.9			20	
Vinyl Acetate	0.7313001	11.3			20	
Vinyl Chloride	0.4093889	7.9			20	
m+p Xylene	1.567273	6.3			20	
o-Xylene	1.549974	7.4			20	
1,2-Dichloroethane-d4	0.5562511	1.3			20	
Toluene-d8	1.135514	1.2			20	
4-Bromofluorobenzene	0.9095651	1.8			20	

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	24L1652
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Steet - P-site - CO 152653
Instrument ID:	GCMSVOA7	Calibration:	2400978
Lab File ID:	G24V25617.D	Calibration Date:	09/12/24 06:08
Sequence:	S110404	Injection Date:	09/12/24
Lab Sample ID:	S110404-ICV1	Injection Time:	11:23

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)	
Acetone	A	100.0	132	0.1960925	0.259527		32.3	30	*
Acrylonitrile	A	10.00	10.3	0.1733157	0.1859999		7.3	30	
tert-Amyl Alcohol (TAA)	A	100.0	98.4	5.338426E-02	5.252259E-02		-1.6	30	
tert-Amyl Ethyl Ether (TAEE)	A	10.00	10.0	0.5709083	0.5729987		0.4	30	
tert-Amyl Methyl Ether (TAME)	A	10.00	11.2	0.9945496	1.113303		11.9	30	
Benzene	A	10.00	10.6	1.419388	1.512172		6.5	30	
Bromobenzene	A	10.00	11.1	1.142661	1.267546		10.9	30	
Bromochloromethane	A	10.00	11.3	0.3785077	0.4292978		13.4	30	
Bromodichloromethane	A	10.00	10.2	0.3472274	0.3748255		7.9	30	
Bromoform	A	10.00	12.2	0.4537187	0.5543607		22.2	30	
Bromomethane	A	10.00	4.72	0.3262401	0.1538855		-52.8	30	*
2-Butanone (MEK)	A	100.0	111	0.2304856	0.2559395		11.0	30	
tert-Butyl Alcohol (TBA)	A	100.0	98.2	6.548787E-02	6.432214E-02		-1.8	30	
n-Butylbenzene	A	10.00	11.1	2.137479	2.365649		10.7	30	
sec-Butylbenzene	A	10.00	12.4	2.581499	3.197596		23.9	30	
tert-Butylbenzene	A	10.00	11.7	1.826684	2.140582		17.2	30	
tert-Butyl Ethyl Ether (TBEE)	A	10.00	11.0	1.322301	1.452754		9.9	30	
Carbon Disulfide	A	10.00	13.1	0.7901166	1.033039		30.7	30	*
Carbon Tetrachloride	A	10.00	11.2	0.4295701	0.4824978		12.3	30	
Chlorobenzene	A	10.00	10.8	1.617471	1.742993		7.8	30	
Chlorodibromomethane	A	10.00	10.2	0.3077414	0.3152409		2.4	30	
Chloroethane	A	10.00	11.5	0.2940752	0.3373309		14.7	30	
Chloroform	A	10.00	10.9	0.6966794	0.7576757		8.8	30	
Chloromethane	L	10.00	13.5	0.7960947	0.9043959		34.7	30	*
2-Chlorotoluene	A	10.00	11.6	1.851219	2.154476		16.4	30	
4-Chlorotoluene	A	10.00	11.5	2.291347	2.636872		15.1	30	
Cyclohexane	L	10.00	11.0	1.137847	0.9496736		10.2	30	
1,2-Dibromo-3-chloropropane (DBCP)	A	10.00	10.5	0.153354	0.1607516		4.8	30	
1,2-Dibromoethane (EDB)	A	10.00	10.6	0.2521314	0.2685107		6.5	30	

INITIAL CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	24L1652
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Steet - P-site - CO 152653
Instrument ID:	GCMSVOA7	Calibration:	2400978
Lab File ID:	G24V25617.D	Calibration Date:	09/12/24 06:08
Sequence:	S110404	Injection Date:	09/12/24
Lab Sample ID:	S110404-ICV1	Injection Time:	11:23

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)	
Dibromomethane	A	10.00	10.2	0.1227367	0.1255525		2.3	30	
1,2-Dichlorobenzene	A	10.00	11.1	1.161034	1.290097		11.1	30	
1,3-Dichlorobenzene	A	10.00	11.3	1.248415	1.412209		13.1	30	
1,4-Dichlorobenzene	A	10.00	10.5	1.29221	1.357189		5.0	30	
trans-1,4-Dichloro-2-butene	A	10.00	9.62	0.2784223	0.2861931		2.8	30	
Dichlorodifluoromethane (Freon 12)	L	10.00	20.3	0.2570295	0.539703		103	30	*
1,1-Dichloroethane	A	10.00	10.9	0.7157853	0.7826151		9.3	30	
1,2-Dichloroethane	A	10.00	10.0	0.367008	0.3686299		0.4	30	
1,1-Dichloroethylene	A	10.00	12.0	0.7449653	0.8898846		19.5	30	
cis-1,2-Dichloroethylene	A	10.00	10.7	0.7180874	0.7688755		7.1	30	
trans-1,2-Dichloroethylene	A	10.00	10.7	0.6068405	0.6467185		6.6	30	
Dichlorofluoromethane (Freon 21)	A	10.00	10.8	0.8639811	0.9350255		8.2	30	
1,2-Dichloropropane	A	10.00	10.1	0.2924911	0.2963605		1.3	30	
1,3-Dichloropropane	A	10.00	10.4	0.3837522	0.3995109		4.1	30	
2,2-Dichloropropane	A	10.00	10.7	0.6001549	0.642391		7.0	30	
1,1-Dichloropropene	A	10.00	10.9	0.4048019	0.4412204		9.0	30	
cis-1,3-Dichloropropene	A	10.00	10.4	0.4409597	0.4562339		3.5	30	
trans-1,3-Dichloropropene	A	10.00	10.8	0.3949192	0.426761		8.1	30	
Diethyl Ether	A	10.00	10.4	0.4459491	0.4631364		3.9	30	
Difluorochloromethane (Freon 22)	A	10.00	14.1	0.5561714	0.7839241		41.0	30	*
Diisopropyl Ether (DIPE)	A	10.00	11.0	1.435798	1.575629		9.7	30	
1,4-Dioxane	A	100.0	94.7	3.062907E-03	2.899439E-03		-5.3	30	
Ethyl Acetate	A	10.00	10.1	0.3613691	0.3648638		1.0	30	
Ethylbenzene	A	10.00	11.6	2.702969	3.148362		16.5	30	
Hexachlorobutadiene	A	10.00	12.0	0.4897281	0.5884947		20.2	30	
2-Hexanone (MBK)	A	100.0	100	0.2321396	0.2329132		0.3	30	
Iodomethane	L	10.00	17.5	0.5198638	0.6712672		74.6	30	*
Isopropylbenzene (Cumene)	A	10.00	11.7	2.844757	3.323986		16.8	30	

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	24L1652
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Steet - P-site - CO 152653
Instrument ID:	GCMSVOA7	Calibration:	2400978
Lab File ID:	G24V25617.D	Calibration Date:	09/12/24 06:08
Sequence:	S110404	Injection Date:	09/12/24
Lab Sample ID:	S110404-ICV1	Injection Time:	11:23

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)	
p-Isopropyltoluene (p-Cymene)	A	10.00	11.9	2.307603	2.744237		18.9	30	
Methyl Acetate	A	10.00	14.0	0.3926154	0.5476156		39.5	30	*
Methyl tert-Butyl Ether (MTBE)	A	10.00	9.87	1.050465	1.037206		-1.3	30	
Methyl Cyclohexane	A	10.00	11.0	0.4161521	0.4600372		10.5	30	
Methylene Chloride	A	10.00	10.1	0.5662298	0.570528		0.8	30	
4-Methyl-2-pentanone (MIBK)	A	100.0	104	0.3000809	0.3117074		3.9	30	
Naphthalene	A	10.00	10.4	2.390965	2.484443		3.9	30	
n-Propylbenzene	A	10.00	12.0	3.175162	3.803222		19.8	30	
Styrene	A	10.00	11.1	1.911909	2.130513		11.4	30	
1,1,1,2-Tetrachloroethane	A	10.00	11.2	0.6527217	0.7318325		12.1	30	
1,1,2,2-Tetrachloroethane	A	10.00	11.6	0.7158851	0.826816		15.5	30	
Tetrachloroethylene	A	10.00	10.8	0.2998765	0.3234199		7.9	30	
Tetrahydrofuran	L	10.00	10.5	0.1469878	0.1754058		4.8	30	
Toluene	A	10.00	10.2	1.103259	1.124946		2.0	30	
1,2,3-Trichlorobenzene	A	10.00	10.8	0.9029891	0.9774599		8.2	30	
1,2,4-Trichlorobenzene	A	10.00	10.8	0.9785275	1.055735		7.9	30	
1,3,5-Trichlorobenzene	A	10.00	11.3	1.022663	1.157389		13.2	30	
1,1,1-Trichloroethane	A	10.00	11.0	0.5918641	0.6493707		9.7	30	
1,1,2-Trichloroethane	A	10.00	10.4	0.2295428	0.2375057		3.5	30	
Trichloroethylene	A	10.00	10.6	0.259754	0.2751393		5.9	30	
Trichlorofluoromethane (Freon 11)	A	10.00	12.0	0.677727	0.8126878		19.9	30	
1,2,3-Trichloropropane	A	10.00	10.5	0.843594	0.8835238		4.7	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	10.00	12.0	0.4475923	0.5381547		20.2	30	
1,2,3-Trimethylbenzene	A	10.00	10.4	2.2642	2.365669		4.5	30	
1,2,4-Trimethylbenzene	A	10.00	10.8	2.163938	2.337545		8.0	30	
1,3,5-Trimethylbenzene	A	10.00	11.6	2.398918	2.795428		16.5	30	
Vinyl Acetate	A	100.0	108	0.9685846	1.048272		8.2	30	
Vinyl Chloride	A	10.00	12.1	0.5215214	0.657298		26.0	30	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	24L1652
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Steet - P-site - CO 152653
Instrument ID:	GCMSVOA7	Calibration:	2400978
Lab File ID:	G24V35902.D	Calibration Date:	09/12/24 06:08
Sequence:	S116081	Injection Date:	12/24/24
Lab Sample ID:	S116081-CCV1	Injection Time:	04:13

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,2-Dichloropropane	A	10.00	10.0	0.2924911	0.2938329		0.5	20	
cis-1,3-Dichloropropene	A	10.00	10.4	0.4409597	0.4578568		3.8	20	
trans-1,3-Dichloropropene	A	10.00	9.61	0.3949192	0.3797116		-3.9	20	
Ethylbenzene	A	10.00	10.6	2.702969	2.85853		5.8	20	
2-Hexanone (MBK)	A	100.0	95.5	0.2321396	0.2216407		-4.5	20	
Isopropylbenzene (Cumene)	A	10.00	10.5	2.844757	2.986286		5.0	20	
p-Isopropyltoluene (p-Cymene)	A	10.00	10.6	2.307603	2.434374		5.5	20	
Methyl Acetate	A	10.00	14.4	0.3926154	0.5634829		43.5	20	*
Methyl tert-Butyl Ether (MTBE)	A	10.00	10.2	1.050465	1.072958		2.1	20	
Methyl Cyclohexane	A	10.00	10.6	0.4161521	0.4402546		5.8	20	
Methylene Chloride	A	10.00	9.64	0.5662298	0.5460648		-3.6	20	
4-Methyl-2-pentanone (MIBK)	A	100.0	97.7	0.3000809	0.293087		-2.3	20	
Naphthalene	A	10.00	10.2	2.390965	2.43237		1.7	20	
n-Propylbenzene	A	10.00	10.8	3.175162	3.435162		8.2	20	
Styrene	A	10.00	10.2	1.911909	1.942913		1.6	20	
1,1,2,2-Tetrachloroethane	A	10.00	10.7	0.7158851	0.7655162		6.9	20	
Tetrachloroethylene	A	10.00	10.2	0.2998765	0.3068522		2.3	20	
Toluene	A	10.00	9.73	1.103259	1.073196		-2.7	20	
1,2,3-Trichlorobenzene	A	10.00	10.3	0.9029891	0.9268484		2.6	20	
1,2,4-Trichlorobenzene	A	10.00	10.1	0.9785275	0.9902902		1.2	20	
1,1,1-Trichloroethane	A	10.00	10.7	0.5918641	0.6339123		7.1	20	
1,1,2-Trichloroethane	A	10.00	10.2	0.2295428	0.2333564		1.7	20	
Trichloroethylene	A	10.00	10.5	0.259754	0.2727125		5.0	20	
Trichlorofluoromethane (Freon 11)	A	10.00	10.1	0.677727	0.6855819		1.2	20	
1,2,3-Trichloropropane	A	10.00	10.6	0.843594	0.8922114		5.8	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	10.00	10.8	0.4475923	0.4848692		8.3	20	
1,2,4-Trimethylbenzene	A	10.00	10.2	2.163938	2.217837		2.5	20	
1,3,5-Trimethylbenzene	A	10.00	10.5	2.398918	2.508084		4.6	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	24L1652
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Steet - P-site - CO 152653
Instrument ID:	GCMSVOA5	Calibration:	2401066
Lab File ID:	E24V36234.D	Calibration Date:	10/07/24 08:33
Sequence:	S116133	Injection Date:	12/27/24
Lab Sample ID:	S116133-CCV1	Injection Time:	23:08

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dichloropropane	A	10.00	9.84	0.255424	0.2513588		-1.6	20
cis-1,3-Dichloropropene	A	10.00	9.30	0.3414836	0.3177191		-7.0	20
trans-1,3-Dichloropropene	A	10.00	9.72	0.2840811	0.2760764		-2.8	20
Ethylbenzene	A	10.00	10.4	1.991904	2.080877		4.5	20
2-Hexanone (MBK)	A	100.0	99.7	0.1578009	0.1572894		-0.3	20
Isopropylbenzene (Cumene)	A	10.00	10.5	1.916873	2.007756		4.7	20
p-Isopropyltoluene (p-Cymene)	A	10.00	9.16	1.515531	1.388244		-8.4	20
Methyl Acetate	A	10.00	8.90	0.4139997	0.3685554		-11.0	20
Methyl tert-Butyl Ether (MTBE)	A	10.00	9.40	0.7821541	0.7349444		-6.0	20
Methyl Cyclohexane	A	10.00	9.74	0.3202525	0.3118398		-2.6	20
Methylene Chloride	A	10.00	9.89	0.5468243	0.5407907		-1.1	20
4-Methyl-2-pentanone (MIBK)	A	100.0	103	0.2249997	0.231044		2.7	20
Naphthalene	A	10.00	9.49	0.9430242	0.8945146		-5.1	20
n-Propylbenzene	A	10.00	9.96	2.102766	2.094223		-0.4	20
Styrene	A	10.00	10.2	1.188394	1.212703		2.0	20
1,1,2,2-Tetrachloroethane	A	10.00	9.67	0.4834308	0.4674694		-3.3	20
Tetrachloroethylene	A	10.00	11.7	0.2480258	0.2903833		17.1	20
Toluene	A	10.00	10.5	0.8593368	0.9061697		5.4	20
1,2,3-Trichlorobenzene	A	10.00	11.5	0.3104076	0.3559532		14.7	20
1,2,4-Trichlorobenzene	A	10.00	9.99	0.4330175	0.4324111		-0.1	20
1,1,1-Trichloroethane	A	10.00	10.5	0.4765354	0.5018814		5.3	20
1,1,2-Trichloroethane	A	10.00	10.5	0.1849714	0.1937205		4.7	20
Trichloroethylene	A	10.00	11.2	0.2269485	0.2540931		12.0	20
Trichlorofluoromethane (Freon 11)	A	10.00	9.50	0.489222	0.4645756		-5.0	20
1,2,3-Trichloropropane	A	10.00	9.59	0.3759391	0.360409		-4.1	20
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	10.00	10.8	0.3155157	0.3403504		7.9	20
1,2,4-Trimethylbenzene	A	10.00	9.63	1.531211	1.474042		-3.7	20
1,3,5-Trimethylbenzene	A	10.00	10.4	1.459604	1.519009		4.1	20

2 - FORM II

SYSTEM MONITORING COMPOUND SUMMARY

SW-846 8270E

Laboratory:	Pace New England	SDG:	24L1652
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Steet - P-site - CO 152653
Matrix:	Soil	Instrument:	GCMSSV4

	2,4,6-TBP (30% - 130%)	2-FlBiphenyl (30% - 130%)	2-Flphenol (30% - 130%)	Nitrobenz-d5 (30% - 130%)	Phenol-d6 (30% - 130%)	Terphnyl-d14 (30% - 130%)
24L1652-02	72.3	64.2	65.1	69.9	66.8	91.0
24L1652-05	39.2	64.3	54.6	69.5	66.5	96.7
24L1652-05RE1	41.4	75.4	69.2	77.6	85.6	107
24L1652-09	50.5	72.4	49.7	74.5	62.1	108
24L1652-13	38.3	65.4	22.8*	69.8	51.1	110
24L1652-17	62.9	71.8	47.5	78.5	66.4	111
24L1652-21	81.3	71.4	70.0	72.4	72.1	106
24L1652-25	23.6*	74.1	37.1	79.5	67.4	112
B395657-BLK1	86.4	71.6	72.9	74.9	76.5	94.8
B395657-BS1	91.9	75.8	79.2	82.7	80.2	89.9
B395657-BSD1	93.2	79.7	82.2	91.4	85.7	95.8
B395657-MS1	76.8	74.9	77.0	79.9	77.3	105
B395657-MSD1	68.4	64.2	65.4	71.4	68.6	94.1

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

250WATERST-SB102-SO-(2-4)

Laboratory:	Pace New England	Work Order:	24L1652
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Steet - P-site - CO 152653
Matrix:	Soil	Analysis:	SW-846 8270E
Batch:	B395657	Preparation:	SW-846 3546
% Solids:	87.69	Laboratory ID:	B395657-MS1
Initial/Final:	30.89 g / 1 mL	Sample Lab ID:	24L1652-02
Column:			

ANALYTE	SPIKE ADDED (mg/Kg dry)	SAMPLE CONCENTRATION (mg/Kg dry)	MS CONCENTRATION (mg/Kg dry)	MS % REC.		QC LIMITS REC.
N-Nitrosodiphenylamine/Diphenylamine	1.846	ND	1.58	85.6		40 - 140
N-Nitrosodi-n-propylamine	1.846	ND	1.57	85.1		40 - 140
Pentachlorophenol	1.846	ND	1.21	65.4		30 - 130
Phenanthrene	1.846	0.250	1.71	79.2		40 - 140
Phenol	1.846	ND	1.36	73.7		30 - 130
Pyrene	1.846	1.41	2.59	64.2		40 - 140
Pyridine	1.846	ND	0.602	32.6	*	40 - 140
1,2,4,5-Tetrachlorobenzene	1.846	ND	1.35	73.4		40 - 140
2,4,5-Trichlorophenol	1.846	ND	1.40	75.6		30 - 130
2,4,6-Trichlorophenol	1.846	ND	1.27	68.6		30 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

250WATERST-SB102-SO-(2-4)

Laboratory:	Pace New England	Work Order:	24L1652
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Steet - P-site - CO 152653
Matrix:	Soil	Analysis:	SW-846 8270E
Batch:	B395657	Preparation:	SW-846 3546
% Solids:	87.69	Laboratory ID:	B395657-MSD1
Initial/Final:	30.82 g / 1 mL	Sample Lab ID:	24L1652-02
Column:			

ANALYTE	SPIKE ADDED (mg/Kg dry)	MSD CONCENTRATION (mg/Kg dry)	MSD % REC. #		% RPD		QC LIMITS RPD	QC LIMITS REC.
2,3,4,6-Tetrachlorophenol	1.850	1.28	69.4		10.8		30	40 - 140
Atrazine	1.850	1.52	82.4		15.2		30	40 - 140
Benzaldehyde	1.850	0.985	53.2		16.1		30	40 - 140
Biphenyl	1.850	1.26	68.0		14.9		30	40 - 140
Caprolactam	1.850	1.61	86.9		13.3		30	40 - 140
Acenaphthene	1.850	1.28	69.1		14.1		30	40 - 140
Acenaphthylene	1.850	1.32	71.4		13.4		30	40 - 140
Acetophenone	1.850	1.30	70.5		13.2		30	40 - 140
Aniline	1.850	0.621	33.6	*	42.6	*	30	40 - 140
Anthracene	1.850	1.36	71.3		14.2		30	40 - 140
Benzo(a)anthracene	1.850	2.41	61.0		14.3		30	40 - 140
Benzo(a)pyrene	1.850	2.36	57.8		8.50		30	40 - 140
Benzo(b)fluoranthene	1.850	2.72	43.3		14.4		30	40 - 140
Benzo(g,h,i)perylene	1.850	2.72	52.9		0.145		30	40 - 140
Benzo(k)fluoranthene	1.850	1.88	62.9		0.443		30	40 - 140
Bis(2-chloroethoxy)methane	1.850	1.40	75.7		10.6		30	40 - 140
Bis(2-chloroethyl)ether	1.850	1.28	69.3		9.10		30	40 - 140
2,2'-oxybis(1-Chloropropane)	1.850	1.60	86.4		5.05		30	40 - 140
Bis(2-Ethylhexyl)phthalate	1.850	1.92	104		8.26		30	40 - 140
4-Bromophenylphenylether	1.850	1.31	70.7		17.0		30	40 - 140
Butylbenzylphthalate	1.850	1.86	100		6.94		30	40 - 140
Carbazole	1.850	1.35	72.9		13.9		30	40 - 140
4-Chloroaniline	1.850	0.666	36.0	*	38.4	*	30	40 - 140
4-Chloro-3-methylphenol	1.850	1.36	73.3		11.9		30	30 - 130
2-Chloronaphthalene	1.850	1.12	60.4		14.8		30	40 - 140
2-Chlorophenol	1.850	1.18	63.9		15.0		30	30 - 130
4-Chlorophenylphenylether	1.850	1.30	70.4		16.4		30	40 - 140
Chrysene	1.850	2.46	56.7		14.2		30	40 - 140
Dibenz(a,h)anthracene	1.850	1.58	64.3		12.6		30	40 - 140
Dibenzofuran	1.850	1.33	71.9		14.8		30	40 - 140

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

250WATERST-SB102-SO-(2-4)

Laboratory:	Pace New England	Work Order:	24L1652
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Steet - P-site - CO 152653
Matrix:	Soil	Analysis:	SW-846 8270E
Batch:	B395657	Preparation:	SW-846 3546
% Solids:	87.69	Laboratory ID:	B395657-MSD1
Initial/Final:	30.82 g / 1 mL	Sample Lab ID:	24L1652-02
Column:			

ANALYTE	SPIKE ADDED (mg/Kg dry)	MSD CONCENTRATION (mg/Kg dry)	MSD % REC. #		% RPD	QC LIMITS RPD	QC LIMITS REC.
N-Nitrosodiphenylamine/Diphenylamine	1.850	1.39	74.9		13.2	30	40 - 140
N-Nitrosodi-n-propylamine	1.850	1.43	77.1		9.61	30	40 - 140
Pentachlorophenol	1.850	1.03	55.4		16.2	30	30 - 130
Phenanthrene	1.850	1.51	68.2		12.4	30	40 - 140
Phenol	1.850	1.21	65.4		11.6	30	30 - 130
Pyrene	1.850	3.12	92.7		18.5	30	40 - 140
Pyridine	1.850	0.512	27.7	*	16.2	30	40 - 140
1,2,4,5-Tetrachlorobenzene	1.850	1.12	60.7		18.7	30	40 - 140
2,4,5-Trichlorophenol	1.850	1.24	67.1		11.7	30	30 - 130
2,4,6-Trichlorophenol	1.850	1.16	62.6		9.01	30	30 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	24L1652
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Steet - P-site - CO 152653
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B395293	Laboratory ID:	B395293-BS1
Column:		Initial/Final:	100 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.		QC LIMITS REC.
2,3,4,6-Tetrachlorophenol	100.0	50.1	50.1		40 - 140
Atrazine	100.0	114	114		40 - 140
Benzaldehyde	100.0	88.3	88.3		40 - 140
Biphenyl	100.0	47.4	47.4		40 - 140
Caprolactam	100.0	29.8	29.8	*	40 - 140
Acenaphthene	100.0	58.9	58.9		40 - 140
Acenaphthylene	100.0	66.3	66.3		40 - 140
Acetophenone	100.0	82.4	82.4		40 - 140
Aniline	100.0	83.3	83.3		40 - 140
Anthracene	100.0	92.3	92.3		40 - 140
Benzo(a)anthracene	100.0	92.7	92.7		40 - 140
Benzo(a)pyrene	100.0	94.5	94.5		40 - 140
Benzo(b)fluoranthene	100.0	99.2	99.2		40 - 140
Benzo(g,h,i)perylene	100.0	89.2	89.2		40 - 140
Benzo(k)fluoranthene	100.0	101	101		40 - 140
Bis(2-chloroethoxy)methane	100.0	88.4	88.4		40 - 140
Bis(2-chloroethyl)ether	100.0	81.5	81.5		40 - 140
2,2'-oxybis(1-Chloropropane)	100.0	75.8	75.8		40 - 140
Bis(2-Ethylhexyl)phthalate	100.0	80.7	80.7		40 - 140
4-Bromophenylphenylether	100.0	87.5	87.5		40 - 140
Butylbenzylphthalate	100.0	95.7	95.7		40 - 140
Carbazole	100.0	91.2	91.2		40 - 140
4-Chloroaniline	100.0	87.3	87.3		40 - 140
4-Chloro-3-methylphenol	100.0	83.3	83.3		30 - 130
2-Chloronaphthalene	100.0	38.2	38.2	*	40 - 140
2-Chlorophenol	100.0	54.1	54.1		30 - 130
4-Chlorophenylphenylether	100.0	75.8	75.8		40 - 140
Chrysene	100.0	95.2	95.2		40 - 140
Dibenz(a,h)anthracene	100.0	85.4	85.4		40 - 140
Dibenzofuran	100.0	72.7	72.7		40 - 140
Di-n-butylphthalate	100.0	84.7	84.7		40 - 140
3,3-Dichlorobenzidine	100.0	92.5	92.5		40 - 140
2,4-Dichlorophenol	100.0	57.5	57.5		30 - 130
Diethylphthalate	100.0	87.0	87.0		40 - 140
2,4-Dimethylphenol	100.0	85.4	85.4		30 - 130
Dimethylphthalate	100.0	90.2	90.2		40 - 140
4,6-Dinitro-2-methylphenol	100.0	46.5	46.5		30 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	24L1652
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Steet - P-site - CO 152653
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B395293	Laboratory ID:	B395293-BS1
Column:		Initial/Final:	100 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.		QC LIMITS REC.
2,4-Dinitrophenol	100.0	16.7	16.7	*	30 - 130
2,4-Dinitrotoluene	100.0	90.8	90.8		40 - 140
2,6-Dinitrotoluene	100.0	96.2	96.2		40 - 140
Di-n-octylphthalate	100.0	87.2	87.2		40 - 140
Fluoranthene	100.0	92.3	92.3		40 - 140
Fluorene	100.0	80.6	80.6		40 - 140
Hexachlorobenzene	100.0	93.9	93.9		40 - 140
Hexachlorobutadiene	100.0	22.4	22.4	*	40 - 140
Hexachlorocyclopentadiene	100.0	20.0	20.0	*	30 - 140
Hexachloroethane	100.0	21.8	21.8	*	40 - 140
Indeno(1,2,3-cd)pyrene	100.0	88.0	88.0		40 - 140
Isophorone	100.0	92.4	92.4		40 - 140
1-Methylnaphthalene	100.0	36.7	36.7	*	40 - 140
2-Methylnaphthalene	100.0	33.1	33.1	*	40 - 140
2-Methylphenol	100.0	75.4	75.4		30 - 130
3/4-Methylphenol	100.0	92.5	92.5		30 - 130
Naphthalene	100.0	39.2	39.2	*	40 - 140
2-Nitroaniline	100.0	99.7	99.7		40 - 140
3-Nitroaniline	100.0	87.5	87.5		40 - 140
4-Nitroaniline	100.0	79.6	79.6		40 - 140
Nitrobenzene	100.0	84.2	84.2		40 - 140
2-Nitrophenol	100.0	51.4	51.4		30 - 130
4-Nitrophenol	100.0	19.3	19.3		10 - 130
N-Nitrosodiphenylamine/Diphenylamine	100.0	89.4	89.4		40 - 140
N-Nitrosodi-n-propylamine	100.0	80.5	80.5		40 - 140
Pentachlorophenol	100.0	41.1	41.1		30 - 130
Phenanthrene	100.0	90.8	90.8		40 - 140
Phenol	100.0	32.8	32.8		20 - 130
Pyrene	100.0	105	105		40 - 140
Pyridine	100.0	29.4	29.4		10 - 140
1,2,4,5-Tetrachlorobenzene	100.0	35.1	35.1	*	40 - 140
2,4,5-Trichlorophenol	100.0	56.1	56.1		30 - 130
2,4,6-Trichlorophenol	100.0	48.1	48.1		30 - 130

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	24L1652
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Steet - P-site - CO 152653
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B395293	Laboratory ID:	B395293-BSD1
Column:		Initial/Final:	100 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
2,3,4,6-Tetrachlorophenol	100.0	53.2	53.2		5.95	20	40 - 140
Atrazine	100.0	119	119		4.86	20	40 - 140
Benzaldehyde	100.0	84.7	84.7		4.24	20	40 - 140
Biphenyl	100.0	48.5	48.5		2.44	20	40 - 140
Caprolactam	100.0	34.8	34.8	*	15.4	20	40 - 140
Acenaphthene	100.0	61.4	61.4		4.06	20	40 - 140
Acenaphthylene	100.0	68.3	68.3		2.90	20	40 - 140
Acetophenone	100.0	79.4	79.4		3.68	20	40 - 140
Aniline	100.0	79.3	79.3		4.96	50	40 - 140
Anthracene	100.0	97.0	97.0		5.01	20	40 - 140
Benzo(a)anthracene	100.0	97.4	97.4		4.85	20	40 - 140
Benzo(a)pyrene	100.0	99.3	99.3		4.90	20	40 - 140
Benzo(b)fluoranthene	100.0	105	105		5.40	20	40 - 140
Benzo(g,h,i)perylene	100.0	96.6	96.6		7.94	20	40 - 140
Benzo(k)fluoranthene	100.0	105	105		4.08	20	40 - 140
Bis(2-chloroethoxy)methane	100.0	89.6	89.6		1.37	20	40 - 140
Bis(2-chloroethyl)ether	100.0	79.5	79.5		2.51	20	40 - 140
2,2'-oxybis(1-Chloropropane)	100.0	69.1	69.1		9.19	20	40 - 140
Bis(2-Ethylhexyl)phthalate	100.0	89.7	89.7		10.6	20	40 - 140
4-Bromophenylphenylether	100.0	92.6	92.6		5.71	20	40 - 140
Butylbenzylphthalate	100.0	99.2	99.2		3.59	20	40 - 140
Carbazole	100.0	95.9	95.9		5.04	20	40 - 140
4-Chloroaniline	100.0	90.1	90.1		3.21	20	40 - 140
4-Chloro-3-methylphenol	100.0	87.7	87.7		5.08	20	30 - 130
2-Chloronaphthalene	100.0	40.0	40.0		4.45	20	40 - 140
2-Chlorophenol	100.0	56.0	56.0		3.56	20	30 - 130
4-Chlorophenylphenylether	100.0	80.0	80.0		5.47	20	40 - 140
Chrysene	100.0	100	100		5.21	20	40 - 140
Dibenz(a,h)anthracene	100.0	90.6	90.6		5.93	20	40 - 140
Dibenzofuran	100.0	75.5	75.5		3.78	20	40 - 140
Di-n-butylphthalate	100.0	86.9	86.9		2.63	20	40 - 140
3,3-Dichlorobenzidine	100.0	99.6	99.6		7.39	20	40 - 140
2,4-Dichlorophenol	100.0	64.5	64.5		11.5	20	30 - 130
Diethylphthalate	100.0	90.0	90.0		3.32	20	40 - 140
2,4-Dimethylphenol	100.0	90.2	90.2		5.45	20	30 - 130
Dimethylphthalate	100.0	93.9	93.9		4.11	50	40 - 140
4,6-Dinitro-2-methylphenol	100.0	50.6	50.6		8.28	50	30 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	24L1652
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Steet - P-site - CO 152653
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B395293	Laboratory ID:	B395293-BSD1
Column:		Initial/Final:	100 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #		% RPD #		QC LIMITS RPD	QC LIMITS REC.
2,4-Dinitrophenol	100.0	19.3	19.3	*	14.3		50	30 - 130
2,4-Dinitrotoluene	100.0	96.7	96.7		6.24		20	40 - 140
2,6-Dinitrotoluene	100.0	96.8	96.8		0.673		20	40 - 140
Di-n-octylphthalate	100.0	95.4	95.4		9.01		20	40 - 140
Fluoranthene	100.0	96.6	96.6		4.50		20	40 - 140
Fluorene	100.0	82.5	82.5		2.26		20	40 - 140
Hexachlorobenzene	100.0	97.2	97.2		3.46		20	40 - 140
Hexachlorobutadiene	100.0	19.5	19.5	*	14.1		20	40 - 140
Hexachlorocyclopentadiene	100.0	19.8	19.8	*	1.01		50	30 - 140
Hexachloroethane	100.0	17.0	17.0	*	24.6		50	40 - 140
Indeno(1,2,3-cd)pyrene	100.0	93.2	93.2		5.72		50	40 - 140
Isophorone	100.0	93.3	93.3		0.948		20	40 - 140
1-Methylnaphthalene	100.0	34.2	34.2	*	7.03		20	40 - 140
2-Methylnaphthalene	100.0	31.3	31.3	*	5.66		20	40 - 140
2-Methylphenol	100.0	77.4	77.4		2.56		20	30 - 130
3/4-Methylphenol	100.0	92.4	92.4		0.184		20	30 - 130
Naphthalene	100.0	31.7	31.7	*	21.2	*	20	40 - 140
2-Nitroaniline	100.0	101	101		0.919		20	40 - 140
3-Nitroaniline	100.0	92.6	92.6		5.73		20	40 - 140
4-Nitroaniline	100.0	85.4	85.4		7.01		20	40 - 140
Nitrobenzene	100.0	83.0	83.0		1.48		20	40 - 140
2-Nitrophenol	100.0	58.0	58.0		12.1		20	30 - 130
4-Nitrophenol	100.0	20.3	20.3		5.30		50	10 - 130
N-Nitrosodiphenylamine/Diphenylamine	100.0	90.9	90.9		1.72		20	40 - 140
N-Nitrosodi-n-propylamine	100.0	77.9	77.9		3.21		20	40 - 140
Pentachlorophenol	100.0	43.1	43.1		4.75		50	30 - 130
Phenanthrene	100.0	95.3	95.3		4.82		20	40 - 140
Phenol	100.0	35.5	35.5		7.76		20	20 - 130
Pyrene	100.0	105	105		0.0381		20	40 - 140
Pyridine	100.0	28.7	28.7		2.45		50	10 - 140
1,2,4,5-Tetrachlorobenzene	100.0	37.4	37.4	*	6.48		20	40 - 140
2,4,5-Trichlorophenol	100.0	57.7	57.7		2.86		20	30 - 130
2,4,6-Trichlorophenol	100.0	48.5	48.5		0.808		50	30 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	24L1652
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Steet - P-site - CO 152653
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B395596	Laboratory ID:	B395596-BS1
Column:		Initial/Final:	100 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.		QC LIMITS REC.
2,3,4,6-Tetrachlorophenol	100.0	89.6	89.6		40 - 140
Atrazine	100.0	99.5	99.5		40 - 140
Benzaldehyde	100.0	87.8	87.8		40 - 140
Biphenyl	100.0	88.1	88.1		40 - 140
Caprolactam	100.0	29.9	29.9	*	40 - 140
Acenaphthene	100.0	87.3	87.3		40 - 140
Acenaphthylene	100.0	92.1	92.1		40 - 140
Acetophenone	100.0	71.8	71.8		40 - 140
Aniline	100.0	73.0	73.0		40 - 140
Anthracene	100.0	93.7	93.7		40 - 140
Benzo(a)anthracene	100.0	92.6	92.6		40 - 140
Benzo(a)pyrene	100.0	93.0	93.0		40 - 140
Benzo(b)fluoranthene	100.0	95.7	95.7		40 - 140
Benzo(g,h,i)perylene	100.0	103	103		40 - 140
Benzo(k)fluoranthene	100.0	98.7	98.7		40 - 140
Bis(2-chloroethoxy)methane	100.0	84.5	84.5		40 - 140
Bis(2-chloroethyl)ether	100.0	83.8	83.8		40 - 140
2,2'-oxybis(1-Chloropropane)	100.0	83.6	83.6		40 - 140
Bis(2-Ethylhexyl)phthalate	100.0	80.0	80.0		40 - 140
4-Bromophenylphenylether	100.0	88.3	88.3		40 - 140
Butylbenzylphthalate	100.0	92.5	92.5		40 - 140
Carbazole	100.0	92.8	92.8		40 - 140
4-Chloroaniline	100.0	82.8	82.8		40 - 140
4-Chloro-3-methylphenol	100.0	75.4	75.4		30 - 130
2-Chloronaphthalene	100.0	80.6	80.6		40 - 140
2-Chlorophenol	100.0	79.5	79.5		30 - 130
4-Chlorophenylphenylether	100.0	82.9	82.9		40 - 140
Chrysene	100.0	96.2	96.2		40 - 140
Dibenz(a,h)anthracene	100.0	95.5	95.5		40 - 140
Dibenzofuran	100.0	90.0	90.0		40 - 140
Di-n-butylphthalate	100.0	81.5	81.5		40 - 140
3,3-Dichlorobenzidine	100.0	91.9	91.9		40 - 140
2,4-Dichlorophenol	100.0	81.1	81.1		30 - 130
Diethylphthalate	100.0	78.4	78.4		40 - 140
2,4-Dimethylphenol	100.0	76.2	76.2		30 - 130
Dimethylphthalate	100.0	83.4	83.4		40 - 140
4,6-Dinitro-2-methylphenol	100.0	90.8	90.8		30 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Pace New England	Work Order:	24L1652
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Steet - P-site - CO 152653
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B395596	Laboratory ID:	B395596-BSD1
Column:		Initial/Final:	100 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
2,3,4,6-Tetrachlorophenol	100.0	92.5	92.5		3.22	20	40 - 140
Atrazine	100.0	95.5	95.5		4.09	20	40 - 140
Benzaldehyde	100.0	86.4	86.4		1.68	20	40 - 140
Biphenyl	100.0	89.8	89.8		1.84	20	40 - 140
Caprolactam	100.0	28.7	28.7	*	4.16	20	40 - 140
Acenaphthene	100.0	89.5	89.5		2.45	20	40 - 140
Acenaphthylene	100.0	91.8	91.8		0.283	20	40 - 140
Acetophenone	100.0	73.2	73.2		1.88	20	40 - 140
Aniline	100.0	66.3	66.3		9.60	50	40 - 140
Anthracene	100.0	89.9	89.9		4.12	20	40 - 140
Benzo(a)anthracene	100.0	87.5	87.5		5.70	20	40 - 140
Benzo(a)pyrene	100.0	92.1	92.1		1.06	20	40 - 140
Benzo(b)fluoranthene	100.0	93.2	93.2		2.62	20	40 - 140
Benzo(g,h,i)perylene	100.0	97.9	97.9		4.63	20	40 - 140
Benzo(k)fluoranthene	100.0	94.7	94.7		4.18	20	40 - 140
Bis(2-chloroethoxy)methane	100.0	84.7	84.7		0.165	20	40 - 140
Bis(2-chloroethyl)ether	100.0	82.0	82.0		2.26	20	40 - 140
2,2'-oxybis(1-Chloropropane)	100.0	83.0	83.0		0.768	20	40 - 140
Bis(2-Ethylhexyl)phthalate	100.0	78.3	78.3		2.20	20	40 - 140
4-Bromophenylphenylether	100.0	87.2	87.2		1.24	20	40 - 140
Butylbenzylphthalate	100.0	88.5	88.5		4.41	20	40 - 140
Carbazole	100.0	91.2	91.2		1.70	20	40 - 140
4-Chloroaniline	100.0	80.9	80.9		2.28	20	40 - 140
4-Chloro-3-methylphenol	100.0	73.3	73.3		2.82	20	30 - 130
2-Chloronaphthalene	100.0	82.4	82.4		2.25	20	40 - 140
2-Chlorophenol	100.0	80.1	80.1		0.777	20	30 - 130
4-Chlorophenylphenylether	100.0	83.8	83.8		1.09	20	40 - 140
Chrysene	100.0	92.8	92.8		3.52	20	40 - 140
Dibenz(a,h)anthracene	100.0	93.1	93.1		2.54	20	40 - 140
Dibenzofuran	100.0	89.8	89.8		0.211	20	40 - 140
Di-n-butylphthalate	100.0	78.7	78.7		3.53	20	40 - 140
3,3-Dichlorobenzidine	100.0	88.2	88.2		4.16	20	40 - 140
2,4-Dichlorophenol	100.0	80.3	80.3		0.979	20	30 - 130
Diethylphthalate	100.0	76.7	76.7		2.11	20	40 - 140
2,4-Dimethylphenol	100.0	80.0	80.0		4.95	20	30 - 130
Dimethylphthalate	100.0	84.8	84.8		1.65	50	40 - 140
4,6-Dinitro-2-methylphenol	100.0	88.8	88.8		2.27	50	30 - 130

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8270E

Laboratory:	Pace New England	Work Order:	24L1652
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Steet - P-site - CO 152653
Calibration:	2401244	Instrument:	GCMSSV9
		Calibration Date:	10/30/2024 7:50:43AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
2,3,4,6-Tetrachlorophenol	0.1827622	11.3			20	
Atrazine	0.2592742	7.3			20	
Benzaldehyde	0.7265403	2.8			20	
Biphenyl	1.048025	7.0			20	
Caprolactam	5.509005E-02	19.8			20	
Acenaphthene	0.8432537	8.9			20	
Acenaphthylene	1.298191	7.6			20	
Acetophenone	1.666226	8.2			20	
Aniline	0.5816833	7.4			20	
Anthracene	0.7582967	6.0			20	
Benzo(a)anthracene	0.935644	6.1			20	
Benzo(a)pyrene	0.7498105	16.0			20	
Benzo(b)fluoranthene	0.8449346	13.1			20	
Benzo(g,h,i)perylene	0.6661954	15.2			20	
Benzo(k)fluoranthene	0.821329	11.4			20	
Bis(2-chloroethoxy)methane	0.3160526	4.2			20	
Bis(2-chloroethyl)ether	0.8468965	8.4			20	
2,2'-oxybis(1-Chloropropane)	1.787647	3.4			20	
Bis(2-Ethylhexyl)phthalate	0.6012022	15.6			20	
4-Bromophenylphenylether	0.1485074	5.8			20	
Butylbenzylphthalate	0.4155564	16.3			20	
Carbazole	0.6737603	10.0			20	
4-Chloroaniline	0.3229449	8.3			20	
4-Chloro-3-methylphenol	0.252887	14.0			20	
2-Chloronaphthalene	0.9612129	8.0			20	
2-Chlorophenol	1.045522	9.0			20	
4-Chlorophenylphenylether	0.5018288	4.1			20	
Chrysene	0.8930969	4.1			20	
Dibenz(a,h)anthracene	0.6705301	21.3			20	*
Dibenzofuran	1.193136	7.7			20	
Di-n-butylphthalate	0.8908987	7.3			20	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8270E

Laboratory:	Pace New England	Work Order:	24L1652
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Steet - P-site - CO 152653
Calibration:	2401244	Instrument:	GCMSSV9
		Calibration Date:	10/30/2024 7:50:43AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
3,3-Dichlorobenzidine	0.3090222	13.5			20	
2,4-Dichlorophenol	0.2292519	10.7			20	
Diethylphthalate	1.109844	5.3			20	
2,4-Dimethylphenol	0.235855	9.0			20	
Dimethylphthalate	1.040882	8.2			20	
4,6-Dinitro-2-methylphenol	8.741833E-02	22.1	0.998		0.99	
2,4-Dinitrophenol	0.1194234	37.1			20	*
2,4-Dinitrotoluene	0.3107468	12.5			20	
2,6-Dinitrotoluene	0.2188651	10.8			20	
Di-n-octylphthalate	0.9552322	21.9			20	*
Fluoranthene	0.8190453	9.9			20	
Fluorene	0.9929226	7.4			20	
Hexachlorobenzene	0.163991	5.5			20	
Hexachlorobutadiene	0.144932	9.4			20	
Hexachlorocyclopentadiene	0.243652	14.0			20	
Hexachloroethane	0.4373336	6.9			20	
Indeno(1,2,3-cd)pyrene	0.6477994	20.4			20	*
Isophorone	0.4943603	8.4			20	
1-Methylnaphthalene	0.5307398	7.4			20	
2-Methylnaphthalene	0.5313523	8.8			20	
2-Methylphenol	0.9814628	9.5			20	
3/4-Methylphenol	1.194059	11.6			20	
Naphthalene	0.7412196	3.6			20	
2-Nitroaniline	0.2848817	7.2			20	
3-Nitroaniline	0.2390383	8.7			20	
4-Nitroaniline	0.2584507	9.3			20	
Nitrobenzene	0.2743881	10.3			20	
2-Nitrophenol	0.1366932	11.3			20	
4-Nitrophenol	0.1644217	16.1			20	
N-Nitrosodiphenylamine/Diphenylamine	0.4236353	8.0			20	
N-Nitrosodi-n-propylamine	0.8660947	8.7			20	

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Pace New England	Work Order:	24L1652
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Steet - P-site - CO 152653
Instrument ID:	GCMSSV9	Calibration:	2401244
Lab File ID:	I24S304014.D	Calibration Date:	10/30/24 07:50
Sequence:	S114725	Injection Date:	10/30/24
Lab Sample ID:	S114725-ICV1	Injection Time:	12:21

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)	
N-Nitrosodiphenylamine/Diphenylamine	A	10.00	10.1	0.4236353	0.4256591		0.5	30	
N-Nitrosodi-n-propylamine	A	10.00	9.91	0.8660947	0.8582001		-0.9	30	
Pentachlorophenol	A	10.00	10.4	0.1078268	0.112326		4.2	30	
Phenanthrene	A	10.00	10.1	0.747328	0.7548107		1.0	30	
Phenol	A	10.00	10.7	1.274965	1.364655		7.0	30	
Pyrene	A	10.00	10.4	0.9677025	1.00479		3.8	30	
Pyridine	A	10.00	6.30	1.085608	0.6835547		-37.0	30	*
1,2,4,5-Tetrachlorobenzene	A	10.00	9.95	0.4157948	0.4135723		-0.5	30	
2,4,5-Trichlorophenol	A	10.00	10.8	0.3086765	0.3322203		7.6	30	
2,4,6-Trichlorophenol	A	10.00	10.3	0.2837825	0.2936595		3.5	30	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Pace New England	Work Order:	24L1652
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Steet - P-site - CO 152653
Instrument ID:	GCMSSV4	Calibration:	2500001
Lab File ID:	D24S355010.D	Calibration Date:	12/20/24 11:31
Sequence:	S116139	Injection Date:	12/20/24
Lab Sample ID:	S116139-ICV1	Injection Time:	14:21

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)	
2,3,4,6-Tetrachlorophenol	A	50.00	63.8	0.2464145	0.3145709		27.7	30	
Atrazine	A	50.00	61.1	0.3101851	0.3788557		22.1	30	
Benzaldehyde	A	50.00	47.6	1.132199	1.07662		-4.9	30	
Biphenyl	A	50.00	46.0	1.646787	1.516784		-7.9	30	
Caprolactam	A	50.00	62.7	8.532039E-02	0.1070037		25.4	30	
Acenaphthene	A	50.00	44.0	1.238686	1.090763		-11.9	30	
Acenaphthylene	A	50.00	46.2	1.995006	1.843844		-7.6	30	
Acetophenone	A	50.00	44.9	1.751221	1.572277		-10.2	30	
Aniline	A	50.00	40.4	1.748774	1.412852		-19.2	30	
Anthracene	A	50.00	44.7	1.210232	1.082312		-10.6	30	
Benzo(a)anthracene	A	50.00	43.8	1.441848	1.262338		-12.4	30	
Benzo(a)pyrene	A	50.00	45.3	1.207837	1.094315		-9.4	30	
Benzo(b)fluoranthene	A	50.00	44.1	1.426783	1.259199		-11.7	30	
Benzo(g,h,i)perylene	A	50.00	46.5	1.030953	0.9594977		-6.9	30	
Benzo(k)fluoranthene	A	50.00	46.7	1.274314	1.189231		-6.7	30	
Bis(2-chloroethoxy)methane	A	50.00	48.9	0.402034	0.3928597		-2.3	30	
Bis(2-chloroethyl)ether	A	50.00	50.6	0.9720582	0.9843299		1.3	30	
2,2'-oxybis(1-Chloropropane)	A	50.00	53.1	1.528117	1.624		6.3	30	
Bis(2-Ethylhexyl)phthalate	A	50.00	49.6	0.6159527	0.6115071		-0.7	30	
4-Bromophenylphenylether	A	50.00	45.6	0.245906	0.2241069		-8.9	30	
Butylbenzylphthalate	A	50.00	48.6	0.5346656	0.5193535		-2.9	30	
Carbazole	A	50.00	44.2	1.13733	1.006595		-11.5	30	
4-Chloroaniline	A	50.00	27.3	0.4106058	0.2239328		-45.5	30	*
4-Chloro-3-methylphenol	A	50.00	42.3	0.3115592	0.2638319		-15.3	30	
2-Chloronaphthalene	A	50.00	39.1	1.560008	1.21953		-21.8	30	
2-Chlorophenol	A	50.00	43.2	1.557652	1.346927		-13.5	30	
4-Chlorophenylphenylether	A	50.00	45.2	0.6572475	0.5938416		-9.6	30	
Chrysene	A	50.00	42.1	1.383104	1.164859		-15.8	30	
Dibenz(a,h)anthracene	A	50.00	45.6	1.023743	0.933976		-8.8	30	
Dibenzofuran	A	50.00	45.5	1.727895	1.572274		-9.0	30	

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Pace New England	Work Order:	24L1652
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Steet - P-site - CO 152653
Instrument ID:	GCMSSV4	Calibration:	2500001
Lab File ID:	D24S355023.D	Calibration Date:	12/20/24 11:31
Sequence:	S116139	Injection Date:	12/20/24
Lab Sample ID:	S116139-ICV1	Injection Time:	14:21

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)	
N-Nitrosodiphenylamine/Diphenylamine	A	50.00	46.7	0.6764949	0.6324004		-6.5	30	
N-Nitrosodi-n-propylamine	A	50.00	48.2	0.8665162	0.8343829		-3.7	30	
Pentachlorophenol	A	50.00	39.6	0.1899087	0.1503098		-20.9	30	
Phenanthrene	A	50.00	43.3	1.218023	1.054605		-13.4	30	
Phenol	A	50.00	44.2	1.896154	1.674635		-11.7	30	
Pyrene	A	50.00	46.0	1.454694	1.339244		-7.9	30	
Pyridine	A	50.00	21.1	1.891047	0.797427		-57.8	30	*
1,2,4,5-Tetrachlorobenzene	A	50.00	43.7	0.7364649	0.6434362		-12.6	30	
2,4,5-Trichlorophenol	A	50.00	43.9	0.4730795	0.415562		-12.2	30	
2,4,6-Trichlorophenol	A	50.00	44.3	0.4543417	0.4021605		-11.5	30	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Pace New England	Work Order:	24L1652
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Steet - P-site - CO 152653
Instrument ID:	GCMSSV9	Calibration:	2401244
Lab File ID:	I24S362004.D	Calibration Date:	10/30/24 07:50
Sequence:	S116039	Injection Date:	12/27/24
Lab Sample ID:	S116039-CCV1	Injection Time:	09:14

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Biphenyl	A	10.00	10.2	1.048025	1.073138		2.4	20	
Acenaphthene	A	10.00	10.2	0.8432537	0.8578291		1.7	20	
Acenaphthylene	A	10.00	10.3	1.298191	1.337231		3.0	20	
Acetophenone	A	10.00	9.53	1.666226	1.58753		-4.7	20	
Aniline	A	10.00	7.81	0.5816833	0.45448		-21.9	20	*
Anthracene	A	10.00	10.1	0.7582967	0.7633653		0.7	20	
Benzo(a)anthracene	A	10.00	9.96	0.935644	0.9316517		-0.4	20	
Benzo(a)pyrene	A	10.00	10.3	0.7498105	0.7758066		3.5	20	
Benzo(b)fluoranthene	A	10.00	10.6	0.8449346	0.8989543		6.4	20	
Benzo(g,h,i)perylene	A	10.00	9.15	0.6661954	0.6092881		-8.5	20	
Benzo(k)fluoranthene	A	10.00	10.5	0.821329	0.8628073		5.1	20	
Bis(2-chloroethoxy)methane	A	10.00	9.75	0.3160526	0.308191		-2.5	20	
Bis(2-chloroethyl)ether	A	10.00	9.45	0.8468965	0.8006652		-5.5	20	
2,2'-oxybis(1-Chloropropane)	A	10.00	9.01	1.787647	1.610558		-9.9	20	
Bis(2-Ethylhexyl)phthalate	A	10.00	9.03	0.6012022	0.5427858		-9.7	20	
4-Bromophenylphenylether	A	10.00	10.5	0.1485074	0.1561554		5.1	20	
Butylbenzylphthalate	A	10.00	9.85	0.4155564	0.4092181		-1.5	20	
Carbazole	A	10.00	10.1	0.6737603	0.6791806		0.8	20	
4-Chloroaniline	A	10.00	9.20	0.3229449	0.2972048		-8.0	20	
4-Chloro-3-methylphenol	A	10.00	10.3	0.252887	0.260359		3.0	20	
2-Chloronaphthalene	A	10.00	9.67	0.9612129	0.9297345		-3.3	20	
2-Chlorophenol	A	10.00	9.82	1.045522	1.027026		-1.8	20	
4-Chlorophenylphenylether	A	10.00	10.4	0.5018288	0.5229237		4.2	20	
Chrysene	A	10.00	9.80	0.8930969	0.8749016		-2.0	20	
Dibenz(a,h)anthracene	A	10.00	9.01	0.6705301	0.6043287		-9.9	20	
Dibenzofuran	A	10.00	10.2	1.193136	1.217036		2.0	20	
Di-n-butylphthalate	A	10.00	9.14	0.8908987	0.8146166		-8.6	20	
3,3-Dichlorobenzidine	A	10.00	9.38	0.3090222	0.2897553		-6.2	20	
2,4-Dichlorophenol	A	10.00	10.8	0.2292519	0.246691		7.6	20	
Diethylphthalate	A	10.00	9.55	1.109844	1.059845		-4.5	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Pace New England	Work Order:	24L1652
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Steet - P-site - CO 152653
Instrument ID:	GCMSSV9	Calibration:	2401244
Lab File ID:	I24S362004.D	Calibration Date:	10/30/24 07:50
Sequence:	S116039	Injection Date:	12/27/24
Lab Sample ID:	S116039-CCV1	Injection Time:	09:14

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
2,4-Dimethylphenol	A	10.00	9.48	0.235855	0.2236152		-5.2	20	
Dimethylphthalate	A	10.00	9.64	1.040882	1.003082		-3.6	20	
4,6-Dinitro-2-methylphenol	L	10.00	10.5	8.741833E-02	9.276866E-02		4.6	20	
2,4-Dinitrophenol	A	10.00	10.1	0.1194234	0.1202591		0.7	20	
2,4-Dinitrotoluene	A	10.00	10.1	0.3107468	0.3153371		1.5	20	
2,6-Dinitrotoluene	A	10.00	10.1	0.2188651	0.2220723		1.5	20	
Di-n-octylphthalate	A	10.00	9.48	0.9552322	0.9051695		-5.2	20	
Fluoranthene	A	10.00	10.2	0.8190453	0.8328939		1.7	20	
Fluorene	A	10.00	10.1	0.9929226	1.001035		0.8	20	
Hexachlorobenzene	A	10.00	10.5	0.163991	0.1718715		4.8	20	
Hexachlorobutadiene	A	10.00	12.3	0.144932	0.1776326		22.6	20	*
Hexachlorocyclopentadiene	A	10.00	11.4	0.243652	0.2786546		14.4	20	
Hexachloroethane	A	10.00	10.7	0.4373336	0.4684886		7.1	20	
Indeno(1,2,3-cd)pyrene	A	10.00	9.03	0.6477994	0.5846905		-9.7	20	
Isophorone	A	10.00	9.89	0.4943603	0.4887448		-1.1	20	
1-Methylnaphthalene	A	10.00	10.4	0.5307398	0.5511086		3.8	20	
2-Methylnaphthalene	A	10.00	10.4	0.5313523	0.5509045		3.7	20	
2-Methylphenol	A	10.00	9.69	0.9814628	0.950682		-3.1	20	
3/4-Methylphenol	A	20.00	19.8	1.194059	1.1826		-1.0	20	
Naphthalene	A	10.00	10.1	0.7412196	0.7496731		1.1	20	
2-Nitroaniline	A	10.00	9.53	0.2848817	0.2713797		-4.7	20	
3-Nitroaniline	A	10.00	9.54	0.2390383	0.2280271		-4.6	20	
4-Nitroaniline	A	10.00	8.88	0.2584507	0.2293763		-11.2	20	
Nitrobenzene	A	10.00	10.6	0.2743881	0.290251		5.8	20	
2-Nitrophenol	A	10.00	10.6	0.1366932	0.1447368		5.9	20	
4-Nitrophenol	A	10.00	9.20	0.1644217	0.151266		-8.0	20	
N-Nitrosodiphenylamine/Diphenylamine	A	8.550	8.63	0.4236353	0.4269239		0.8	20	
N-Nitrosodi-n-propylamine	A	10.00	9.07	0.8660947	0.7853293		-9.3	20	
Pentachlorophenol	A	10.00	9.77	0.1078268	0.1053804		-2.3	20	
Phenanthrene	A	10.00	9.77	0.747328	0.7301415		-2.3	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Pace New England	Work Order:	24L1652
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Steet - P-site - CO 152653
Instrument ID:	GCMSSV4	Calibration:	2500001
Lab File ID:	D24S365002.D	Calibration Date:	12/20/24 11:31
Sequence:	S116091	Injection Date:	12/30/24
Lab Sample ID:	S116091-CCV1	Injection Time:	08:16

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Biphenyl	A	50.00	47.7	1.646787	1.569905		-4.7	20	
Acenaphthene	A	50.00	47.3	1.238686	1.171776		-5.4	20	
Acenaphthylene	A	50.00	48.4	1.995006	1.930176		-3.2	20	
Acetophenone	A	50.00	48.5	1.751221	1.699086		-3.0	20	
Aniline	A	50.00	50.7	1.748774	1.774316		1.5	20	
Anthracene	A	50.00	45.6	1.210232	1.104971		-8.7	20	
Benzo(a)anthracene	A	50.00	45.5	1.441848	1.312819		-8.9	20	
Benzo(a)pyrene	A	50.00	48.1	1.207837	1.162901		-3.7	20	
Benzo(b)fluoranthene	A	50.00	44.9	1.426783	1.280472		-10.3	20	
Benzo(g,h,i)perylene	A	50.00	50.9	1.030953	1.049095		1.8	20	
Benzo(k)fluoranthene	A	50.00	47.8	1.274314	1.218738		-4.4	20	
Bis(2-chloroethoxy)methane	A	50.00	51.4	0.402034	0.4131086		2.8	20	
Bis(2-chloroethyl)ether	A	50.00	53.2	0.9720582	1.034036		6.4	20	
2,2'-oxybis(1-Chloropropane)	A	50.00	53.2	1.528117	1.625113		6.3	20	
Bis(2-Ethylhexyl)phthalate	A	50.00	63.5	0.6159527	0.7822407		27.0	20	*
4-Bromophenylphenylether	A	50.00	45.6	0.245906	0.2243008		-8.8	20	
Butylbenzylphthalate	A	50.00	56.6	0.5346656	0.6052138		13.2	20	
Carbazole	A	50.00	48.0	1.13733	1.091063		-4.1	20	
4-Chloroaniline	A	50.00	49.4	0.4106058	0.4058406		-1.2	20	
4-Chloro-3-methylphenol	A	50.00	49.6	0.3115592	0.3087906		-0.9	20	
2-Chloronaphthalene	A	50.00	44.8	1.560008	1.397382		-10.4	20	
2-Chlorophenol	A	50.00	48.4	1.557652	1.507537		-3.2	20	
4-Chlorophenylphenylether	A	50.00	48.8	0.6572475	0.6421362		-2.3	20	
Chrysene	A	50.00	44.4	1.383104	1.227326		-11.3	20	
Dibenz(a,h)anthracene	A	50.00	51.6	1.023743	1.056512		3.2	20	
Dibenzofuran	A	50.00	46.4	1.727895	1.604933		-7.1	20	
Di-n-butylphthalate	A	50.00	55.6	1.14566	1.273853		11.2	20	
3,3-Dichlorobenzidine	A	50.00	47.1	0.4963115	0.4672566		-5.9	20	
2,4-Dichlorophenol	A	50.00	46.4	0.3425116	0.3180767		-7.1	20	
Diethylphthalate	A	50.00	52.0	1.24636	1.295073		3.9	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Pace New England	Work Order:	24L1652
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Steet - P-site - CO 152653
Instrument ID:	GCMSSV9	Calibration:	2401244
Lab File ID:	I24S366002.D	Calibration Date:	10/30/24 07:50
Sequence:	S116180	Injection Date:	12/31/24
Lab Sample ID:	S116180-CCV1	Injection Time:	08:44

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Biphenyl	A	10.00	10.7	1.048025	1.12498		7.3	20	
Acenaphthene	A	10.00	10.3	0.8432537	0.8676815		2.9	20	
Acenaphthylene	A	10.00	10.4	1.298191	1.345725		3.7	20	
Acetophenone	A	10.00	8.70	1.666226	1.450109		-13.0	20	
Aniline	A	10.00	6.99	0.5816833	0.4068029		-30.1	20	*
Anthracene	A	10.00	10.2	0.7582967	0.7772598		2.5	20	
Benzo(a)anthracene	A	10.00	10.1	0.935644	0.9411229		0.6	20	
Benzo(a)pyrene	A	10.00	10.7	0.7498105	0.8005281		6.8	20	
Benzo(b)fluoranthene	A	10.00	10.5	0.8449346	0.8858455		4.8	20	
Benzo(g,h,i)perylene	A	10.00	10.6	0.6661954	0.7076829		6.2	20	
Benzo(k)fluoranthene	A	10.00	10.7	0.821329	0.8787807		7.0	20	
Bis(2-chloroethoxy)methane	A	10.00	9.67	0.3160526	0.3056428		-3.3	20	
Bis(2-chloroethyl)ether	A	10.00	9.47	0.8468965	0.8022914		-5.3	20	
2,2'-oxybis(1-Chloropropane)	A	10.00	8.87	1.787647	1.586332		-11.3	20	
Bis(2-Ethylhexyl)phthalate	A	10.00	8.97	0.6012022	0.5392899		-10.3	20	
4-Bromophenylphenylether	A	10.00	10.2	0.1485074	0.150817		1.6	20	
Butylbenzylphthalate	A	10.00	9.55	0.4155564	0.3968405		-4.5	20	
Carbazole	A	10.00	10.3	0.6737603	0.6952652		3.2	20	
4-Chloroaniline	A	10.00	8.30	0.3229449	0.2680043		-17.0	20	
4-Chloro-3-methylphenol	A	10.00	9.30	0.252887	0.2350577		-7.1	20	
2-Chloronaphthalene	A	10.00	10.2	0.9612129	0.981874		2.1	20	
2-Chlorophenol	A	10.00	9.93	1.045522	1.038119		-0.7	20	
4-Chlorophenylphenylether	A	10.00	9.54	0.5018288	0.4788273		-4.6	20	
Chrysene	A	10.00	10.2	0.8930969	0.911157		2.0	20	
Dibenz(a,h)anthracene	A	10.00	10.3	0.6705301	0.6889569		2.7	20	
Dibenzofuran	A	10.00	9.92	1.193136	1.183671		-0.8	20	
Di-n-butylphthalate	A	10.00	9.13	0.8908987	0.8129905		-8.7	20	
3,3-Dichlorobenzidine	A	10.00	9.52	0.3090222	0.2941072		-4.8	20	
2,4-Dichlorophenol	A	10.00	9.72	0.2292519	0.2228004		-2.8	20	
Diethylphthalate	A	10.00	9.00	1.109844	0.998331		-10.0	20	

1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Pace New England			Work Order:	24L1652
Client:	NYDEC_TRC Engineers, Inc. - New York, NY		Project:	250 Water Steet - P-site - CO 152653	
Matrix:	Soil	Laboratory ID:	B395657-BLK1	File ID:	D24S365006.D
Sampled:		Prepared:	12/28/24 07:14	Analyzed:	12/30/24 09:40
Solids:		Preparation:	SW-846 3546	Dilution:	
Initial/Final:	30.01 g / 1 mL				
Batch:	B395657	Sequence:	S116091	Calibration:	2500001
Instrument:	GCMSSV4				
Column:	1				

CAS NO.	COMPOUND	CONC. (mg/Kg wet)	MDL	RL	Q
88-75-5	2-Nitrophenol		0.033	0.34	
100-02-7	4-Nitrophenol		0.091	0.66	
86-30-6	N-Nitrosodiphenylamine/Diphenylamine		0.043	0.34	
621-64-7	N-Nitrosodi-n-propylamine		0.047	0.34	
87-86-5	Pentachlorophenol		0.12	0.34	
85-01-8	Phenanthrene		0.030	0.17	
108-95-2	Phenol		0.043	0.34	
129-00-0	Pyrene		0.035	0.17	
110-86-1	Pyridine		0.040	0.34	V-34
95-94-3	1,2,4,5-Tetrachlorobenzene		0.034	0.34	
95-95-4	2,4,5-Trichlorophenol		0.035	0.34	
88-06-2	2,4,6-Trichlorophenol		0.032	0.34	

CAS NO.	TENTATIVELY IDENTIFIED COMPOUNDS	CONC. (mg/Kg wet)	Q
NA	3-Penten-2-one, 4-methyl-	0.15	
000625-86-5	Furan, 2,5-dimethyl-	4.8	
003074-71-3	Heptane, 2,3-dimethyl-	0.69	
002213-23-2	Heptane, 2,4-dimethyl-	0.37	
002216-30-0	Heptane, 2,5-dimethyl-	1.0	
001069-53-0	Hexane, 2,3,5-trimethyl-	0.17	

PREPARATION BENCH SHEET

Printed: 12/27/2024 12:43:27PM

Analysis
8270 DER TCL Reduced Volume
8270 Reduced Volume TICs

B395596

Pace New England

Prepared using: SW-846 3510C

Surrogate Solution
24L0079 Semi Surrogate 100-200ppm

Spiking Solution
24L0251 8270/Svoa Spike-50 ppm

Matrix: Water

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	pH	Initial (mL)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments	TAT
B395596-BLK1	Blank			SRK 12/30/24	6>12-JJ11	100	1.0		200		
B395596-BS1	LCS							200	200		
B395596-BSD1	LCS Dup							200	200		
B395596-MS1	Matrix Spike [24L1508-07RE1]				2(12-JJ11	197-98		200	200		
B395596-MSD1	Matrix Spike Dup [24L1508-07RE1]					188-102		200	200		
24L1508-06RE1	OB-03 12192024 10A	01/22/25	12/26/24			199-99			200	Re-extr >10% bs/bsd LOW%R 12/27/2024 by BGLpasthold	20
24L1508-07RE1	BR-02 12192024		12/19/24			—			200	Added for BatchQC in: B395596	20
24L1508-07RE1	BR-02 12192024	01/22/25	12/26/24			200-98			200	Re-extr >10% bs/bsd LOW%R 12/27/2024 by BGLpasthold	20
24L1508-08RE1	BR-01 12202024	01/22/25	12/27/24			191-97			200	Re-extr >10% bs/bsd LOW%R 12/27/2024 by BGL win hold	20
24L1508-09RE1	DUP-1 12202024	01/22/25	12/27/24			194-98			200	Re-extr >10% bs/bsd LOW%R 12/27/2024 by BGL win hold	20
24L1508-10RE1	OB-02 12202024	01/22/25	12/27/24			199-101			200	Re-extr >10% bs/bsd LOW%R 12/27/2024 by BGL win hold	20
24L1555-01RE1	Bath DW	01/06/25	12/25/24			100			200	Re-ext>10%bs/d LOW%R 12/27/2024 by BGLpasthold	10 *
24L1652-24RE1	250WATERST-FB20241217 7F	01/20/25	12/24/24			206-99			200	Re-extr>10%bs/d LOW%R 12/27/2024 by BGLpast hold	20
24L1652-24RE1	250WATERST-FB20241217	01/20/25	12/24/24						200	Re-extr>10%bs/d LOW%R 12/27/2024 by BGLpast hold	20

* 100 ml taken from container B

1430

SRK KRD

Spikedby/Witnessed By

12-27-24

Date

KRD

Extracted By

12-27-24

Date

C:\ELMNT\Print\bch_DEF_EXT_TAT.rpt

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

250WATERST-SB102-SO-(2-4)

Laboratory:	Pace New England	Work Order:	24L1652
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Steet - P-site - CO 152653
Matrix:	Soil	Analysis:	Draft Method 1633
Batch:	B397429	Preparation:	EPA 1633
% Solids:	87.69	Laboratory ID:	B397429-MS1
Initial/Final:	5.786 g / 4 mL	Sample Lab ID:	24L1652-02RE2
Column:			

ANALYTE	SPIKE ADDED (µg/kg dry)	SAMPLE CONCENTRATION (µg/kg dry)	MS CONCENTRATION (µg/kg dry)	MS % REC.		QC LIMITS REC.
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	7.568	ND	7.53	99.5		70 - 150
Perfluorooctanesulfonamide (PFOSA)	1.971	ND	1.71	86.6		70 - 140
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	1.971	ND	1.86	94.4		70 - 155
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	1.971	ND	1.94	98.3		70 - 140
N-MeFOSAA (NMeFOSAA)	1.971	ND	1.76	89.5		65 - 155
N-EtFOSAA (NEtFOSAA)	1.971	ND	1.74	88.4		65 - 165
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	19.71	ND	18.7	94.9		70 - 140
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	19.71	ND	17.8	90.1		70 - 135
Hexafluoropropylene oxide dimer acid (HFPO-DA)	7.884	ND	7.47	94.8		70 - 145
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	7.450	ND	6.90	92.7		70 - 160
9Cl-PF3ONS (F53B Minor)	7.355	ND	7.15	97.2		70 - 150
11Cl-PF3OUdS (F53B Major)	7.363	ND	7.32	99.5		45 - 160
3-Perfluoropropyl propanoic acid (FPrPA)(3:3FTCA)	9.854	ND	2.95	29.9	*	45 - 130
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	49.27	ND	32.8	66.6		60 - 130
3-Perfluoroheptyl propanoic acid (FHpPA)(7:3FTCA)	49.27	ND	36.4	73.9		60 - 150
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	3.516	ND	3.32	94.5		70 - 140
Perfluoro-3-methoxypropanoic acid (PFMPA)	3.942	ND	3.67	93.2		30 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	3.942	ND	3.70	93.9		60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	3.942	ND	3.78	95.9		60 - 155

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

250WATERST-SB102-SO-(2-4)

Laboratory:	Pace New England	Work Order:	24L1652
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Steet - P-site - CO 152653
Matrix:	Soil	Analysis:	Draft Method 1633
Batch:	B397429	Preparation:	EPA 1633
% Solids:	87.69	Laboratory ID:	B397429-MSD1
Initial/Final:	5.732 g / 4 mL	Sample Lab ID:	24L1652-02RE2
Column:			

ANALYTE	SPIKE ADDED (µg/kg dry)	MSD CONCENTRATION (µg/kg dry)	MSD % REC. #		% RPD	QC LIMITS RPD	QC LIMITS REC.
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	7.639	7.99	105		5.96	25	70 - 150
Perfluorooctanesulfonamide (PFOSA)	1.989	1.82	91.5		6.44	25	70 - 140
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	1.989	1.93	97.2		3.87	25	70 - 155
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	1.989	2.03	102		4.75	25	70 - 140
N-MeFOSAA (NMeFOSAA)	1.989	1.69	84.9		4.36	25	65 - 155
N-EtFOSAA (NEtFOSAA)	1.989	1.83	91.8		4.74	25	65 - 165
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	19.89	20.1	101		7.29	25	70 - 140
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	19.89	17.7	89.0		0.285	25	70 - 135
Hexafluoropropylene oxide dimer acid (HFPO-DA)	7.958	7.83	98.4		4.71	25	70 - 145
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	7.520	7.41	98.6		7.10	25	70 - 160
9Cl-PF3ONS (F53B Minor)	7.425	7.56	102		5.58	25	70 - 150
11Cl-PF3OUdS (F53B Major)	7.433	7.98	107		8.57	25	45 - 160
3-Perfluoropropyl propanoic acid (FPrPA)(3:3FTCA)	9.947	3.55	35.7	*	18.5	25	45 - 130
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	49.74	36.8	73.9		11.3	25	60 - 130
3-Perfluoroheptyl propanoic acid (FHpPA)(7:3FTCA)	49.74	38.4	77.2		5.24	25	60 - 150
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	3.549	3.64	102		8.98	25	70 - 140
Perfluoro-3-methoxypropanoic acid (PFMPA)	3.979	3.98	100		8.13	25	30 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	3.979	3.97	99.7		6.96	25	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	3.979	3.84	96.6		1.63	25	60 - 155

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

Draft Method 1633

Laboratory:	Pace New England	Work Order:	24L1652
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Steet - P-site - CO 152653
Matrix:	Water	Preparation:	EPA 1633
Batch:	B396380	Laboratory ID:	B396380-BS1
Column:		Initial/Final:	509.17 mL / 4 mL

ANALYTE	SPIKE ADDED (ng/L)	LCS CONCENTRATION (ng/L)	LCS % REC.	QC LIMITS REC.
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	74.24	75.7	102	65 - 145
9Cl-PF3ONS (F53B Minor)	73.30	72.2	98.5	70 - 155
11Cl-PF3OUdS (F53B Major)	73.37	68.3	93.0	55 - 160
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	98.20	66.7	67.9	65 - 130
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA) (5:3FTCA)	491.0	450	91.6	70 - 135
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	491.0	423	86.2	50 - 145
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	35.04	33.6	95.8	70 - 140
Perfluoro-3-methoxypropanoic acid (PFMPA)	39.28	37.4	95.3	55 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	39.28	38.3	97.4	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	39.28	39.1	99.5	50 - 150

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

Draft Method 1633

Laboratory:	Pace New England	Work Order:	24L1652
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Steet - P-site - CO 152653
Matrix:	Soil	Preparation:	EPA 1633
Batch:	B397429	Laboratory ID:	B397429-BS1
Column:		Initial/Final:	5.056 g / 4 mL

ANALYTE	SPIKE ADDED (µg/kg wet)	LCS CONCENTRATION (µg/kg wet)	LCS % REC.		QC LIMITS REC.
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	7.476	6.06	81.1		70 - 160
9Cl-PF3ONS (F53B Minor)	7.381	6.01	81.5		70 - 150
11Cl-PF3OUdS (F53B Major)	7.389	6.14	83.1		45 - 160
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	9.889	2.67	27.0	*	45 - 130
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA) (5:3FTCA)	49.45	34.2	69.1		60 - 130
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	49.45	37.9	76.7		60 - 150
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	3.528	2.96	83.9		70 - 140
Perfluoro-3-methoxypropanoic acid (PFMPA)	3.956	3.24	81.9		30 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	3.956	3.36	85.0		60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	3.956	3.02	76.5		60 - 155

PREPARATION BENCH SHEET

Printed: 1/23/2025 6:55:59PM

Analysis
PFAS EPA 1633 (Draft Reference)

3449

Matrix: Soil

B397429

Pace New England

Prepared using: EPA 1633

Surrogate Solution
24J0337 MPFAC-HIF-ES

Spiking Solution
24L0377 EPA-1633STK
25A0372 STK-10X

B407405 81

BPFAS002

Lab Number	Sample ID and Source Sample	Due Date	Expires	TAT	%Solid	Adjusted Wt.	Initial (g)	Final (mL)	pH	ul Spike	ul Surrogate	Extraction Comments
B397429-BLK1	Blank						5.011				20	
B397429-BS1	LCS						5.056			40	20	
B397429-MRL1	MRL Check						5.066			80	20	
B397429-MS1	Matrix Spike [24L1652-02RE2]				87.6922	5.70	5.786			40	20	
B397429-MSD1	Matrix Spike Dup [24L1652-02RE2]				87.6922	5.70	5.732			40	20	
24L1652-02RE2	250WATERST-SB102-SO-(2-4) 13D	01/20/25	03/17/25	20	87.6922	5.70	5.757				20	Re-extract added 1/22/2025 by AB BLK EIS OUT
24L1652-05RE2	250WATERST-SB102-SO-(8-10)	01/20/25	03/17/25	20	85.7601	5.83	5.863				20	Re-extract added 1/22/2025 by AB BLK EIS OUT
24L1652-09RE2	250WATERST-SB104-SO-(2-4)	01/20/25	03/17/25	20	95.7280	5.22	5.284				20	Re-extract added 1/22/2025 by AB BLK EIS OUT
24L1652-13RE2	250WATERST-SB104-SO-(10-12)	01/20/25	03/17/25	20	85.1089	5.87	5.919				20	Re-extract added 1/22/2025 by AB BLK EIS OUT
24L1652-17RE2	250WATERST-SB106-SO-(2-4)	01/20/25	03/17/25	20	94.0576	5.32	5.486				20	Re-extract added 1/22/2025 by AB BLK EIS OUT
24L1652-21RE2	250WATERST-SB106-SO-(10-12)	01/20/25	03/17/25	20	87.0355	5.74	5.829				20	Re-extract added 1/22/2025 by AB BLK EIS OUT
24L1652-25RE2	250WATERST-DUP-1-20241217	01/20/25	03/17/25	20	94.9797	5.26	5.302				20	Re-extract added 1/22/2025 by AB BLK EIS OUT

KPW LWA AET 1/24/25
Spikedby/Witnessed By Date

ASP/AET 1/24/25
Extracted By Date

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3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

250WATERST-SB104-SO-(2-4)

Laboratory:	Pace New England	Work Order:	24L1652
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Steet - P-site - CO 152653
Matrix:	Soil	Analysis:	SW-846 8081B
Batch:	B395671	Preparation:	SW-846 3546
% Solids:	95.73	Laboratory ID:	B395671-MSD1
Initial/Final:	10.56 g / 10 mL	Sample Lab ID:	24L1652-09
Column:	1		

ANALYTE	SPIKE ADDED (mg/Kg dry)	MSD CONCENTRATION (mg/Kg dry)	MSD % REC. #	% RPD		QC LIMITS RPD	QC LIMITS REC.
Aldrin	0.09892	0.094	95.5	1.71		30	30 - 150
alpha-BHC	0.09892	0.049	49.9	39.3	*	30	30 - 150
beta-BHC	0.09892	0.10	101	4.27		30	30 - 150
delta-BHC	0.09892	0.035	35.2	6.54		30	30 - 150
gamma-BHC (Lindane)	0.09892	0.052	52.7	34.2	*	30	30 - 150
4,4'-DDD	0.09892	0.096	96.7	3.68		30	30 - 150
4,4'-DDE	0.09892	0.11	114	8.75		30	30 - 150
4,4'-DDT	0.09892	0.087	88.0	8.10		30	30 - 150
Dieldrin	0.09892	0.10	104	3.21		30	30 - 150
Endosulfan I	0.09892	0.065	65.9	24.8		30	30 - 150
Endosulfan II	0.09892	0.072	73.2	12.7		30	30 - 150
Endosulfan Sulfate	0.09892	0.060	60.6	20.5		30	30 - 150
Endrin	0.09892	0.11	107	3.22		30	30 - 150
Endrin Aldehyde	0.09892	0.040	40.4	2.58		30	30 - 150
Endrin Ketone	0.09892	0.10	103	0.628		30	30 - 150
Heptachlor	0.09892	0.11	106	1.52		30	30 - 150
Heptachlor Epoxide	0.09892	0.10	101	3.10		30	30 - 150
Methoxychlor	0.09892	0.097	97.7	3.35		30	30 - 150

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

250WATERST-SB104-SO-(2-4)

Laboratory:	Pace New England	Work Order:	24L1652
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Steet - P-site - CO 152653
Matrix:	Soil	Analysis:	SW-846 8081B
Batch:	B395671	Preparation:	SW-846 3546
% Solids:	95.73	Laboratory ID:	B395671-MSD1
Initial/Final:	10.56 g / 10 mL	Sample Lab ID:	24L1652-09
Column:	2		

ANALYTE	SPIKE ADDED (mg/Kg dry)	MSD CONCENTRATION (mg/Kg dry)	MSD % REC. #	% RPD		QC LIMITS RPD	QC LIMITS REC.
Aldrin [2C]	0.09892	0.099	100	1.93		30	30 - 150
alpha-BHC [2C]	0.09892	0.050	50.4	37.5	*	30	30 - 150
beta-BHC [2C]	0.09892	0.10	101	3.59		30	30 - 150
delta-BHC [2C]	0.09892	0.035	35.0	7.35		30	30 - 150
gamma-BHC (Lindane) [2C]	0.09892	0.054	54.9	34.7	*	30	30 - 150
4,4'-DDD [2C]	0.09892	0.12	123	10.8		30	30 - 150
4,4'-DDE [2C]	0.09892	0.11	111	10.2		30	30 - 150
4,4'-DDT [2C]	0.09892	0.097	98.6	5.75		30	30 - 150
Dieldrin [2C]	0.09892	0.097	98.1	4.42		30	30 - 150
Endosulfan I [2C]	0.09892	0.063	64.1	25.6		30	30 - 150
Endosulfan II [2C]	0.09892	0.080	80.8	15.4		30	30 - 150
Endosulfan Sulfate [2C]	0.09892	0.073	74.2	19.3		30	30 - 150
Endrin [2C]	0.09892	0.11	115	3.42		30	30 - 150
Endrin Aldehyde [2C]	0.09892	0.046	46.7	2.76		30	30 - 150
Endrin Ketone [2C]	0.09892	0.11	108	1.64		30	30 - 150
Heptachlor [2C]	0.09892	0.11	108	1.49		30	30 - 150
Heptachlor Epoxide [2C]	0.09892	0.10	103	1.85		30	30 - 150
Methoxychlor [2C]	0.09892	0.10	104	3.14		30	30 - 150

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8081B

Laboratory:	Pace New England	Work Order:	24L1652
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Steet - P-site - CO 152653
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B395287	Laboratory ID:	B395287-BS1
Column:	1	Initial/Final:	100 mL / 2 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.		QC LIMITS REC.
alpha-Chlordane	2.000	1.9	96.7		0 - 200
gamma-Chlordane	2.000	1.7	85.5		0 - 200
Aldrin	2.000	1.5	73.3		40 - 140
alpha-BHC	2.000	1.5	75.1		40 - 140
beta-BHC	2.000	2.0	99.6		40 - 140
delta-BHC	2.000	1.8	89.9		40 - 140
gamma-BHC (Lindane)	2.000	1.6	78.4		40 - 140
4,4'-DDD	2.000	2.1	105		40 - 140
4,4'-DDE	2.000	2.0	102		40 - 140
4,4'-DDT	2.000	1.9	93.4		40 - 140
Dieldrin	2.000	1.9	95.1		40 - 140
Endosulfan I	2.000	1.9	95.6		40 - 140
Endosulfan II	2.000	2.0	99.9		40 - 140
Endosulfan Sulfate	2.000	2.0	101		40 - 140
Endrin	2.000	2.0	99.0		40 - 140
Endrin Aldehyde	2.000	0.59	29.3	*	40 - 140
Endrin Ketone	2.000	1.9	95.9		40 - 140
Heptachlor	2.000	1.4	70.2		40 - 140
Heptachlor Epoxide	2.000	1.8	92.5		40 - 140
Methoxychlor	2.000	1.8	89.2		40 - 140

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
alpha-Chlordane	2.000	2.1	104	7.66	200	0 - 200
gamma-Chlordane	2.000	1.8	91.9	7.22	200	0 - 200
Aldrin	2.000	1.7	85.4	15.1	20	40 - 140
alpha-BHC	2.000	1.7	87.4	15.3	20	40 - 140
beta-BHC	2.000	2.2	111	10.8	20	40 - 140
delta-BHC	2.000	2.0	101	12.1	20	40 - 140
gamma-BHC (Lindane)	2.000	1.8	92.1	16.1	20	40 - 140
4,4'-DDD	2.000	2.3	115	9.96	20	40 - 140
4,4'-DDE	2.000	2.2	111	8.17	20	40 - 140
4,4'-DDT	2.000	2.2	108	14.2	20	40 - 140
Dieldrin	2.000	2.1	103	7.62	20	40 - 140
Endosulfan I	2.000	2.1	104	8.09	20	40 - 140
Endosulfan II	2.000	2.2	110	9.34	20	40 - 140

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8081B

Laboratory:	Pace New England	Work Order:	24L1652
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Steet - P-site - CO 152653
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B395287	Laboratory ID:	B395287-BSD1
Column:	1	Initial/Final:	100 mL / 2 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #	% RPD #		QC LIMITS RPD	QC LIMITS REC.
Endosulfan Sulfate	2.000	2.1	105	4.34		20	40 - 140
Endrin	2.000	2.1	107	8.04		20	40 - 140
Endrin Aldehyde	2.000	2.0	98.5	108	*	20	40 - 140
Endrin Ketone	2.000	2.1	103	7.22		20	40 - 140
Heptachlor	2.000	1.7	84.2	18.2		20	40 - 140
Heptachlor Epoxide	2.000	2.0	99.7	7.51		20	40 - 140
Methoxychlor	2.000	1.9	97.5	8.85		20	40 - 140

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8082A

Laboratory:	Pace New England	Work Order:	24L1652
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Steet - P-site - CO 152653
Instrument ID:	ECD10	Calibration:	2401346
Lab File ID:	J24E348019.D	Calibration Date:	12/13/24 00:00
Sequence:	S115643	Injection Date:	12/13/24
Lab Sample ID:	S115643-ICV1	Injection Time:	21:55

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)	
Aroclor-1016	A	100.0	86.9				-13.1	20	
Aroclor-1016 (1)	A	100.0	84.1	382806	321975.1		-15.9	20	
Aroclor-1016 (2)	A	100.0	84.2	1228655	1035000		-15.8	20	
Aroclor-1016 (3)	A	100.0	79.9	456510	364673		-20.1	20	*
Aroclor-1016 (4)	A	100.0	85.8	662241.8	568413.3		-14.2	20	
Aroclor-1016 (5)	A	100.0	101	368108.5	370030.8		0.5	20	
Aroclor-1016 [2C]	A	100.0	95.3				-4.7	20	
Aroclor-1016 (1) [2C]	A	100.0	92.9	914689.4	849773.1		-7.1	20	
Aroclor-1016 (2) [2C]	A	100.0	93.0	1159774	1078000		-7.0	20	
Aroclor-1016 (3) [2C]	A	100.0	88.6	1073927	951019.9		-11.4	20	
Aroclor-1016 (4) [2C]	A	100.0	92.3	1498456	1384000		-7.7	20	
Aroclor-1016 (5) [2C]	A	100.0	110	1426597	1567000		9.9	20	
Aroclor-1260	A	100.0	95.9				-4.1	20	
Aroclor-1260 (1)	A	100.0	87.8	1279390	1124000		-12.2	20	
Aroclor-1260 (2)	A	100.0	87.9	788070.3	692357		-12.1	20	
Aroclor-1260 (3)	A	100.0	103	1020528	1052000		3.1	20	
Aroclor-1260 (4)	A	100.0	99.1	1088547	1079000		-0.9	20	
Aroclor-1260 (5)	A	100.0	101	2260354	2294000		1.5	20	
Aroclor-1260 [2C]	A	100.0	97.9				-2.1	20	
Aroclor-1260 (1) [2C]	A	100.0	88.9	3102691	2758000		-11.1	20	
Aroclor-1260 (2) [2C]	A	100.0	84.1	3632399	3053000		-15.9	20	
Aroclor-1260 (3) [2C]	A	100.0	108	2615499	2828000		8.1	20	
Aroclor-1260 (4) [2C]	A	100.0	103	2623621	2699000		2.9	20	
Aroclor-1260 (5) [2C]	A	100.0	105	6024870	6350000		5.4	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8082A

Laboratory:	Pace New England	Work Order:	24L1652
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Steet - P-site - CO 152653
Instrument ID:	ECD10	Calibration:	2401346
Lab File ID:	J24E348067.D	Calibration Date:	12/13/24 00:00
Sequence:	S115646	Injection Date:	12/14/24
Lab Sample ID:	S115646-ICV1	Injection Time:	07:32

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)	
Aroclor-1242	A	100.0	102				1.5	20	
Aroclor-1242 (1)	A	100.0	124	289332.8	358477		23.9	20	*
Aroclor-1242 (2)	A	100.0	106	1030621	1097000		6.5	20	
Aroclor-1242 (3)	A	100.0	97.3	694462.8	675469.4		-2.7	20	
Aroclor-1242 (4)	A	100.0	92.6	664954.1	615744.7		-7.4	20	
Aroclor-1242 (5)	A	100.0	87.4	746830.6	652513.5		-12.6	20	
Aroclor-1242 [2C]	A	100.0	102				2.2	20	
Aroclor-1242 (1) [2C]	A	100.0	129	657007.6	849088.6		29.2	20	*
Aroclor-1242 (2) [2C]	A	100.0	70.4	3974539	2798000		-29.6	20	*
Aroclor-1242 (3) [2C]	A	100.0	113	1015639	1150000		13.2	20	
Aroclor-1242 (4) [2C]	A	100.0	105	959603.4	1008000		5.0	20	
Aroclor-1242 (5) [2C]	A	100.0	93.3	1685448	1573000		-6.7	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8082A

Laboratory:	Pace New England	Work Order:	24L1652
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Steet - P-site - CO 152653
Instrument ID:	ECD1	Calibration:	2401373
Lab File ID:	A24E354037.d	Calibration Date:	12/19/24 00:00
Sequence:	S115926	Injection Date:	12/19/24
Lab Sample ID:	S115926-ICV1	Injection Time:	18:00

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)	
Aroclor-1248	A	100.0	85.9				-14.1	20	
Aroclor-1248 (1)	A	100.0	85.3	389572.4	332213.9		-14.7	20	
Aroclor-1248 (2)	A	100.0	86.5	503046	435203.8		-13.5	20	
Aroclor-1248 (3)	A	100.0	86.1	551916.7	475039.8		-13.9	20	
Aroclor-1248 (4)	A	100.0	74.8	586626.2	439046.4		-25.2	20	*
Aroclor-1248 (5)	A	100.0	96.8	267362.3	258874.3		-3.2	20	
Aroclor-1248 [2C]	A	100.0	86.1				-13.9	20	
Aroclor-1248 (1) [2C]	A	100.0	85.8	1595866	1369000		-14.2	20	
Aroclor-1248 (2) [2C]	A	100.0	85.7	2110096	1809000		-14.3	20	
Aroclor-1248 (3) [2C]	A	100.0	85.6	2421184	2073000		-14.4	20	
Aroclor-1248 (4) [2C]	A	100.0	81.6	2986473	2437000		-18.4	20	
Aroclor-1248 (5) [2C]	A	100.0	91.5	1233383	1129000		-8.5	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8082A

Laboratory:	Pace New England	Work Order:	24L1652
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Steet - P-site - CO 152653
Instrument ID:	ECD1	Calibration:	2401373
Lab File ID:	A24E359020.d	Calibration Date:	12/19/24 00:00
Sequence:	S115927	Injection Date:	12/24/24
Lab Sample ID:	S115927-ICV1	Injection Time:	17:41

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)	
Aroclor-1242	A	100.0	94.3				-5.7	20	
Aroclor-1242 (1)	A	100.0	112	181054.6	202806.2		12.0	20	
Aroclor-1242 (2)	A	100.0	99.4	601396.6	597557.8		-0.6	20	
Aroclor-1242 (3)	A	100.0	98.0	270482.8	265142.5		-2.0	20	
Aroclor-1242 (4)	A	100.0	81.2	390541.9	317172.4		-18.8	20	
Aroclor-1242 (5)	A	100.0	81.1	408841.9	331437.1		-18.9	20	
Aroclor-1242 [2C]	A	100.0	88.4				-11.6	20	
Aroclor-1242 (1) [2C]	A	100.0	116	735296.9	850193.4		15.6	20	
Aroclor-1242 (2) [2C]	A	100.0	88.9	1793416	1594000		-11.1	20	
Aroclor-1242 (3) [2C]	A	100.0	85.9	1056881	907500.4		-14.1	20	
Aroclor-1242 (4) [2C]	A	100.0	76.6	1730258	1325000		-23.4	20	*
Aroclor-1242 (5) [2C]	A	100.0	75.2	2089765	1572000		-24.8	20	*

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8082A

Laboratory:	Pace New England	Work Order:	24L1652
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Steet - P-site - CO 152653
Instrument ID:	ECD1	Calibration:	2401373
Lab File ID:	A24E362009.d	Calibration Date:	12/19/24 00:00
Sequence:	S116075	Injection Date:	12/27/24
Lab Sample ID:	S116075-CCV6	Injection Time:	10:18

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Aroclor-1221	A	100.0	150				50.2	20
Aroclor-1221 [2C]	A	100.0	140				40.4	20
Aroclor-1262	A	100.0	149				48.9	20
Aroclor-1262 [2C]	A	100.0	155				54.9	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8082A

Laboratory:	Pace New England	Work Order:	24L1652
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Steet - P-site - CO 152653
Instrument ID:	ECD10	Calibration:	2401346
Lab File ID:	J25E003009.D	Calibration Date:	12/13/24 00:00
Sequence:	S116309	Injection Date:	01/03/25
Lab Sample ID:	S116309-CCV6	Injection Time:	09:20

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Aroclor-1221	A	100.0	79.1				-20.9	20
Aroclor-1221 [2C]	A	100.0	73.2				-26.8	20
Aroclor-1262	A	100.0	83.8				-16.2	20
Aroclor-1262 [2C]	A	100.0	75.9				-24.1	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

LOW-CONCENTRATION CALIBRATION VERIFICATION

SW-846 6010D

Laboratory: Pace New England
SDG: 24L1652
Client: NYDEC_TRC Engineers, Inc. - New York, NY
Project: 250 Water Steet - P-site - CO 152653
Calibration: 2500007
Laboratory ID: S116276-LCV1
Sequence: S116276
Standard ID: 24J1015

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Antimony	0.05000	0.0442	-11.6	20.00
Barium	0.05000	0.0478	-4.3	20.00
Beryllium	0.004000	0.00375	-6.2	20.00
Chromium	0.01000	0.00990	-1.0	20.00
Cobalt	0.01000	0.0100	0.1	20.00
Copper	0.01000	0.00905	-9.5	20.00
Nickel	0.01000	0.0100	0.4	20.00
Selenium	0.05000	0.0478	-4.4	20.00
Silver	0.01000	0.00870	-13.0	20.00
Sodium	2.000	1.75	-12.5	20.00
Thallium	0.05000	0.0456	-8.9	20.00
Vanadium	0.01000	0.0113	12.9	20.00

* Values outside of QC limits

LOW-CONCENTRATION CALIBRATION VERIFICATION

SW-846 6010D

Laboratory: Pace New England
SDG: 24L1652
Client: NYDEC_TRC Engineers, Inc. - New York, NY
Project: 250 Water Steet - P-site - CO 152653
Calibration: 2500015
Laboratory ID: S116341-LCV1
Sequence: S116341
Standard ID: 24J1015

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Aluminum	0.05000	0.0557	11.4	20.00
Antimony	0.05000	0.0457	-8.7	20.00
Barium	0.05000	0.0505	1.0	20.00
Beryllium	0.004000	0.00411	2.6	20.00
Cadmium	0.004000	0.00407	1.8	20.00
Calcium	0.5000	0.491	-1.7	20.00
Chromium	0.01000	0.0104	3.8	20.00
Cobalt	0.01000	0.0102	2.3	20.00
Iron	0.05000	0.0490	-2.0	20.00
Magnesium	0.05000	0.0494	-1.2	20.00
Manganese	0.01000	0.0105	4.7	20.00
Nickel	0.01000	0.0104	4.4	20.00
Potassium	2.000	1.97	-1.4	20.00
Selenium	0.05000	0.0509	1.8	20.00
Silver	0.01000	0.00990	-1.0	20.00
Sodium	2.000	1.94	-2.8	20.00
Thallium	0.05000	0.0506	1.1	20.00
Zinc	0.01000	0.0118	18.2	20.00

* Values outside of QC limits

LOW-CONCENTRATION CALIBRATION VERIFICATION

SW-846 6010D

Laboratory: Pace New England
SDG: 24L1652
Client: NYDEC_TRC Engineers, Inc. - New York, NY
Project: 250 Water Steet - P-site - CO 152653
Calibration: 2500015
Laboratory ID: S116341-LCV2
Sequence: S116341
Standard ID: 24L0016

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Vanadium	0.01000	0.0117	17.0	20.00

* Values outside of QC limits

LOW-CONCENTRATION CALIBRATION VERIFICATION

SW-846 6010D

Laboratory: Pace New England
SDG: 24L1652
Client: NYDEC_TRC Engineers, Inc. - New York, NY
Project: 250 Water Steet - P-site - CO 152653
Calibration: 2500018
Laboratory ID: S116404-LCV1
Sequence: S116404
Standard ID: 24J1015

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Aluminum	0.05000	0.0561	12.2	20.00
Antimony	0.05000	0.0412	-17.6	20.00
Arsenic	0.01000	0.0100	0.2	20.00
Barium	0.05000	0.0496	-0.8	20.00
Beryllium	0.004000	0.00405	1.3	20.00
Cadmium	0.004000	0.00392	-2.0	20.00
Calcium	0.5000	0.501	0.2	20.00
Chromium	0.01000	0.0101	0.7	20.00
Cobalt	0.01000	0.00981	-1.9	20.00
Copper	0.01000	0.0117	16.5	20.00
Iron	0.05000	0.0507	1.4	20.00
Magnesium	0.05000	0.0497	-0.7	20.00
Manganese	0.01000	0.0103	2.7	20.00
Nickel	0.01000	0.0103	3.3	20.00
Potassium	2.000	2.02	1.1	20.00
Selenium	0.05000	0.0497	-0.6	20.00
Silver	0.01000	0.0112	11.7	20.00
Sodium	2.000	1.95	-2.7	20.00
Vanadium	0.01000	0.0111	10.9	20.00
Zinc	0.01000	0.0112	12.0	20.00

* Values outside of QC limits

LOW-CONCENTRATION CALIBRATION VERIFICATION

SW-846 6010D

Laboratory: Pace New England
SDG: 24L1652
Client: NYDEC_TRC Engineers, Inc. - New York, NY
Project: 250 Water Steet - P-site - CO 152653
Calibration: 2500035
Laboratory ID: S116541-LCV1
Sequence: S116541
Standard ID: 25A0126

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Antimony	0.05000	0.0483	-3.3	20.00
Barium	0.05000	0.0546	9.3	20.00
Beryllium	0.004000	0.00413	3.3	20.00
Cadmium	0.004000	0.00406	1.5	20.00
Calcium	0.5000	0.526	5.3	20.00
Chromium	0.01000	0.0109	8.9	20.00
Cobalt	0.01000	0.0105	4.9	20.00
Iron	0.05000	0.0590	18.1	20.00
Lead	0.01000	0.0119	19.4	20.00
Magnesium	0.05000	0.0493	-1.3	20.00
Manganese	0.01000	0.0103	2.9	20.00
Nickel	0.01000	0.0118	18.1	20.00
Thallium	0.05000	0.0595	19.1	20.00
Zinc	0.01000	0.0117	17.1	20.00

* Values outside of QC limits

LOW-CONCENTRATION CALIBRATION VERIFICATION

SW-846 6010D

Laboratory: Pace New England
SDG: 24L1652
Client: NYDEC_TRC Engineers, Inc. - New York, NY
Project: 250 Water Steet - P-site - CO 152653
Calibration: UNASSIGNED
Laboratory ID: S116671-LCV1
Sequence: S116671
Standard ID: 25A0126

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Zinc	0.01000	0.0117	16.9	20.00

* Values outside of QC limits

LOW-CONCENTRATION CALIBRATION VERIFICATION

SW-846 6010D

Laboratory: Pace New England
SDG: 24L1652
Client: NYDEC_TRC Engineers, Inc. - New York, NY
Project: 250 Water Steet - P-site - CO 152653
Calibration: 2500097
Laboratory ID: S117309-LCV2
Sequence: S117309
Standard ID: 25A0294

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Zinc	0.01000	0.0116	16.4	20.00

* Values outside of QC limits

LOW-CONCENTRATION CALIBRATION VERIFICATION

SW-846 6010D

Laboratory: Pace New England
SDG: 24L1652
Client: NYDEC_TRC Engineers, Inc. - New York, NY
Project: 250 Water Steet - P-site - CO 152653
Calibration: 2500097
Laboratory ID: S117309-LCV3
Sequence: S117309
Standard ID: 25A0112

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Copper	0.04000	0.0329	-17.8	20.00

* Values outside of QC limits

FORM 3 - Blank Summary

SW-846 6010D

Laboratory:	Pace New England	Work Order:	24L1652
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Steet - P-site - CO 152653
Instrument ID:	ICP3	Calibration:	2500007
Sequence:	S116297		

Lab Sample ID	Analyte	Found	Units	RL	C
S116297-CCB2	Silver		mg/L	0.010	U
	Sodium		mg/L	5.0	U
	Thallium		mg/L	0.050	U
	Vanadium		mg/L	0.020	U
S116297-CCB3	Antimony		mg/L	0.050	U
	Arsenic		mg/L	0.10	U
	Barium		mg/L	0.050	U
	Beryllium		mg/L	0.0050	U
	Chromium		mg/L	0.020	U
	Cobalt		mg/L	0.050	U
	Copper		mg/L	0.040	U
	Nickel		mg/L	0.020	U
	Selenium		mg/L	0.10	U
	Silver	0.0062	mg/L	0.010	
	Sodium		mg/L	5.0	U
	Vanadium		mg/L	0.020	U

FORM 3 - Blank Summary

SW-846 6010D

Laboratory:	Pace New England	Work Order:	24L1652
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Steet - P-site - CO 152653
Instrument ID:	ICP4	Calibration:	UNASSIGNED
Sequence:	S116671		

Lab Sample ID	Analyte	Found	Units	RL	C
S116671-ICB1	Zinc		mg/L	0.010	U
S116671-CCB1	Zinc		mg/L	0.010	U
B396425-BLK1	Zinc	0.0092	mg/L	0.010	J
S116671-CCB2	Zinc		mg/L	0.010	U
S116671-CCB3	Zinc		mg/L	0.010	U

FORM 3 - Blank Summary

SW-846 6010D

Laboratory:	Pace New England	Work Order:	24L1652
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Steet - P-site - CO 152653
Instrument ID:	ICP2	Calibration:	2500097
Sequence:	S117353		

Lab Sample ID	Analyte	Found	Units	RL	C
S117353-CCB1	Copper		mg/L	0.040	U
	Zinc		mg/L	0.020	U
B397187-BLK2	Copper	3.3	mg/Kg wet	1.3	
	Zinc		mg/Kg wet	0.67	U
S117353-CCB2	Copper		mg/L	0.040	U
	Zinc		mg/L	0.020	U
S117353-CCB3	Copper		mg/L	0.040	U
	Zinc		mg/L	0.020	U
S117353-CCB4	Copper		mg/L	0.040	U
	Zinc		mg/L	0.020	U
S117353-CCB5	Copper		mg/L	0.040	U

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 6010D

Laboratory:	Pace New England	Work Order:	24L1652
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Steet - P-site - CO 152653
Matrix:	Soil	Preparation:	SW-846 3050B
Batch:	B395758	Laboratory ID:	B395758-BS1
Column:		Initial/Final:	0.511 g / 50 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.	QC LIMITS REC.
Antimony	121.0	81.8	67.6	2.1 - 200.8
Arsenic	242.0	204	84.4	81.8 - 118.6
Barium	295.0	268	90.9	81.7 - 118.3
Beryllium	160.0	150	93.5	82.5 - 117.5
Chromium	213.0	199	93.2	81.2 - 119.2
Cobalt	137.0	125	91.2	83.2 - 117.5
Nickel	298.0	264	88.6	82.2 - 117.8
Selenium	272.0	226	83.0	80.1 - 119.5
Silver	76.70	72.8	95.0	79.5 - 120.5
Sodium	406.0	380	93.6	74.9 - 124.9
Vanadium	169.0	164	97.1	78.1 - 122.5

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Antimony	121.0	81.6	67.4	0.266	30	2.1 - 200.8
Arsenic	242.0	213	88.1	4.32	30	81.8 - 118.6
Barium	295.0	288	97.6	7.11	20	81.7 - 118.3
Beryllium	160.0	157	97.9	4.62	30	82.5 - 117.5
Chromium	213.0	206	96.8	3.84	30	81.2 - 119.2
Cobalt	137.0	131	95.3	4.46	20	83.2 - 117.5
Nickel	298.0	278	93.4	5.27	30	82.2 - 117.8
Selenium	272.0	235	86.4	4.02	30	80.1 - 119.5
Silver	76.70	76.8	100	5.30	30	79.5 - 120.5
Sodium	406.0	391	96.4	2.92	30	74.9 - 124.9
Vanadium	169.0	171	101	4.09	30	78.1 - 122.5

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

250WATERST-SB102-SO-(8-10)

Laboratory:	Pace New England	Work Order:	24L1652
Client:	NYDEC_TRC Engineers, Inc. - New York, NY	Project:	250 Water Steet - P-site - CO 152653
Matrix:	Soil	Analysis:	SW-846 7471B
Batch:	B396673	Preparation:	SW-846 7471
% Solids:	85.76	Laboratory ID:	B396673-MS1
Column:		Sample Lab ID:	24L1652-05

ANALYTE	SPIKE ADDED (mg/Kg dry)	SAMPLE CONCENTRATION (mg/Kg dry)	MS CONCENTRATION (mg/Kg dry)	MS % REC.	QC LIMITS REC.
Mercury	0.3957	4.21	5.13 MS-19	232	80 - 120

ANALYTE	SPIKE ADDED (mg/Kg dry)	MSD CONCENTRATION (mg/Kg dry)	MSD % REC. #	% RPD		QC LIMITS RPD	QC LIMITS REC.
Mercury	0.3711	3.93 MS-19, R-06	-75.3	26.4	*	20	80 - 120

ANALYSIS SEQUENCE

S116387

Instrument: ICP3

Calibration ID: 2500015

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Extraction Comments
S116387-IFA1	QC		1		24I0788	24J0265	
S116387-IFB1	QC		2		24J0273	24J0265	
B395349-BLK1	QC		3			24J0265	
B395349-BS1	QC		4			24J0265	
B395349-BSD1	QC		5			24J0265	
B395349-MS1	QC		6			24J0265	
B395349-MSD1	QC		7			24J0265	
B395349-PS1	QC		8			24J0265	
B395349-SRL1	QC		9			24J0265	
24L0442-03	Aluminum 6010 Total	P	10			24J0265	ARR pH<2 ANR 12-24-24
24L0442-03	Antimony 6010 Total	P	11			24J0265	ARR pH<2 ANR 12-24-24
24L0442-03	Barium 6010 Total	P	12			24J0265	ARR pH<2 ANR 12-24-24
24L0442-03	Beryllium 6010 Total	P	13			24J0265	ARR pH<2 ANR 12-24-24
24L0442-03	Cadmium 6010 Total	P	14			24J0265	ARR pH<2 ANR 12-24-24
24L0442-03	Calcium 6010 Total	P	15			24J0265	ARR pH<2 ANR 12-24-24
24L0442-03	Chromium 6010 Total	P	16			24J0265	ARR pH<2 ANR 12-24-24
24L0442-03	Cobalt 6010 Total	P	17			24J0265	ARR pH<2 ANR 12-24-24
24L0442-03	Iron 6010 Total	P	18			24J0265	ARR pH<2 ANR 12-24-24
24L0442-03	Magnesium 6010 Total	P	19			24J0265	ARR pH<2 ANR 12-24-24
24L0442-03	Manganese 6010 Total	P	20			24J0265	ARR pH<2 ANR 12-24-24
24L0442-03	Nickel 6010 Total	P	21			24J0265	ARR pH<2 ANR 12-24-24
24L0442-03	Potassium 6010 Total	P	22			24J0265	ARR pH<2 ANR 12-24-24
24L0442-03	Selenium 6010 Total	P	23			24J0265	ARR pH<2 ANR 12-24-24
24L0442-03	Silver 6010 Total	P	24			24J0265	ARR pH<2 ANR 12-24-24
24L0442-03	Sodium 6010 Total	P	25			24J0265	ARR pH<2 ANR 12-24-24
24L0442-03	Thallium 6010 Total	P	26			24J0265	ARR pH<2 ANR 12-24-24
24L0442-03	Vanadium 6010 Total	P	27			24J0265	ARR pH<2 ANR 12-24-24
24L0442-03	Zinc 6010 Total	P	28			24J0265	ARR pH<2 ANR 12-24-24
24L0240-01	Aluminum 6010 Total	H	29			24J0265	CAT B, Rpt to MDL
24L0240-01	Antimony 6010 Total	H	30			24J0265	CAT B, Rpt to MDL
24L0240-01	Barium 6010 Total	H	31			24J0265	CAT B, Rpt to MDL
24L0240-01	Beryllium 6010 Total	H	32			24J0265	CAT B, Rpt to MDL
24L0240-01	Cadmium 6010 Total	H	33			24J0265	CAT B, Rpt to MDL

Samples Loaded By Date

Data Processed By Date

ANALYSIS SEQUENCE

S116387

Instrument: ICP3

Calibration ID: 2500015

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Extraction Comments
24L0240-01	Calcium 6010 Total	H	34			24J0265	CAT B, Rpt to MDL
24L0240-01	Chromium 6010 Total	H	35			24J0265	CAT B, Rpt to MDL
24L0240-01	Cobalt 6010 Total	H	36			24J0265	CAT B, Rpt to MDL
24L0240-01	Iron 6010 Total	H	37			24J0265	CAT B, Rpt to MDL
24L0240-01	Magnesium 6010 Total	H	38			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-01	Manganese 6010 Total	H	39			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-01	Nickel 6010 Total	H	40			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-01	Potassium 6010 Total	H	41			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-01	Selenium 6010 Total	H	42			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-01	Silver 6010 Total	H	43			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-01	Sodium 6010 Total	H	44			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-01	Thallium 6010 Total	H	45			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-01	Vanadium 6010 Total	H	46			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-01	Zinc 6010 Total	H	47			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-02	Aluminum 6010 Total	H	48			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-02	Antimony 6010 Total	H	49			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-02	Barium 6010 Total	H	50			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-02	Beryllium 6010 Total	H	51			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-02	Cadmium 6010 Total	H	52			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-02	Calcium 6010 Total	H	53			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-02	Chromium 6010 Total	H	54			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-02	Cobalt 6010 Total	H	55			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-02	Iron 6010 Total	H	56			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-02	Magnesium 6010 Total	H	57			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-02	Manganese 6010 Total	H	58			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-02	Nickel 6010 Total	H	59			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-02	Potassium 6010 Total	H	60			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-02	Selenium 6010 Total	H	61			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-02	Silver 6010 Total	H	62			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-02	Sodium 6010 Total	H	63			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-02	Thallium 6010 Total	H	64			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-02	Vanadium 6010 Total	H	65			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-02	Zinc 6010 Total	H	66			24J0265	CAT B, Rpt to MDL ARR pH<2 A

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ANALYSIS SEQUENCE

S116387

Instrument: ICP3

Calibration ID: 2500015

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Extraction Comments
S116387-CCV1	QC		67		24I1043	24J0265	
S116387-CCB1	QC		68		24J1007	24J0265	
24L0240-03	Aluminum 6010 Total	H	69			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-03	Antimony 6010 Total	H	70			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-03	Barium 6010 Total	H	71			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-03	Beryllium 6010 Total	H	72			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-03	Cadmium 6010 Total	H	73			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-03	Calcium 6010 Total	H	74			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-03	Chromium 6010 Total	H	75			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-03	Cobalt 6010 Total	H	76			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-03	Iron 6010 Total	H	77			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-03	Magnesium 6010 Total	H	78			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-03	Manganese 6010 Total	H	79			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-03	Nickel 6010 Total	H	80			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-03	Potassium 6010 Total	H	81			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-03	Selenium 6010 Total	H	82			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-03	Silver 6010 Total	H	83			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-03	Sodium 6010 Total	H	84			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-03	Thallium 6010 Total	H	85			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-03	Vanadium 6010 Total	H	86			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-03	Zinc 6010 Total	H	87			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-04	Aluminum 6010 Total	H	88			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-04	Antimony 6010 Total	H	89			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-04	Barium 6010 Total	H	90			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-04	Beryllium 6010 Total	H	91			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-04	Cadmium 6010 Total	H	92			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-04	Calcium 6010 Total	H	93			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-04	Chromium 6010 Total	H	94			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-04	Cobalt 6010 Total	H	95			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-04	Iron 6010 Total	H	96			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-04	Magnesium 6010 Total	H	97			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-04	Manganese 6010 Total	H	98			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-04	Nickel 6010 Total	H	99			24J0265	CAT B, Rpt to MDL ARR pH<2 A

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Instrument: ICP3

Calibration ID: 2500015

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Extraction Comments
24L0240-04	Potassium 6010 Total	H	100			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-04	Selenium 6010 Total	H	101			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-04	Silver 6010 Total	H	102			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-04	Sodium 6010 Total	H	103			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-04	Thallium 6010 Total	H	104			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-04	Vanadium 6010 Total	H	105			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-04	Zinc 6010 Total	H	106			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-06	Zinc 6010 Total	H	107			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-06	Vanadium 6010 Total	H	108			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-06	Thallium 6010 Total	H	109			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-06	Sodium 6010 Total	H	110			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-06	Silver 6010 Total	H	111			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-06	Selenium 6010 Total	H	112			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-06	Potassium 6010 Total	H	113			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-06	Nickel 6010 Total	H	114			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-06	Manganese 6010 Total	H	115			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-06	Magnesium 6010 Total	H	116			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-06	Iron 6010 Total	H	117			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-06	Cobalt 6010 Total	H	118			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-06	Chromium 6010 Total	H	119			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-06	Calcium 6010 Total	H	120			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-06	Cadmium 6010 Total	H	121			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-06	Beryllium 6010 Total	H	122			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-06	Barium 6010 Total	H	123			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-06	Antimony 6010 Total	H	124			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0240-06	Aluminum 6010 Total	H	125			24J0265	CAT B, Rpt to MDL ARR pH<2 A
24L0442-02	Aluminum 6010 Total	F	126			24J0265	ARR pH<2 ANR 12-24-24
24L0442-02	Antimony 6010 Total	F	127			24J0265	ARR pH<2 ANR 12-24-24
24L0442-02	Barium 6010 Total	F	128			24J0265	ARR pH<2 ANR 12-24-24
24L0442-02	Beryllium 6010 Total	F	129			24J0265	ARR pH<2 ANR 12-24-24
24L0442-02	Cadmium 6010 Total	F	130			24J0265	ARR pH<2 ANR 12-24-24
24L0442-02	Calcium 6010 Total	F	131			24J0265	ARR pH<2 ANR 12-24-24
24L0442-02	Chromium 6010 Total	F	132			24J0265	ARR pH<2 ANR 12-24-24

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Instrument: ICP3

Calibration ID: 2500015

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Extraction Comments
24L0442-02	Cobalt 6010 Total	F	133			24J0265	ARR pH<2 ANR 12-24-24
24L0442-02	Iron 6010 Total	F	134			24J0265	ARR pH<2 ANR 12-24-24
24L0442-02	Magnesium 6010 Total	F	135			24J0265	ARR pH<2 ANR 12-24-24
24L0442-02	Manganese 6010 Total	F	136			24J0265	ARR pH<2 ANR 12-24-24
24L0442-02	Nickel 6010 Total	F	137			24J0265	ARR pH<2 ANR 12-24-24
24L0442-02	Potassium 6010 Total	F	138			24J0265	ARR pH<2 ANR 12-24-24
24L0442-02	Selenium 6010 Total	F	139			24J0265	ARR pH<2 ANR 12-24-24
24L0442-02	Silver 6010 Total	F	140			24J0265	ARR pH<2 ANR 12-24-24
24L0442-02	Sodium 6010 Total	F	141			24J0265	ARR pH<2 ANR 12-24-24
24L0442-02	Thallium 6010 Total	F	142			24J0265	ARR pH<2 ANR 12-24-24
24L0442-02	Vanadium 6010 Total	F	143			24J0265	ARR pH<2 ANR 12-24-24
24L0442-02	Zinc 6010 Total	F	144			24J0265	ARR pH<2 ANR 12-24-24
24L0442-05	Aluminum 6010 Total	A	145			24J0265	ARR pH<2 ANR 12-24-24
24L0442-05	Antimony 6010 Total	A	146			24J0265	ARR pH<2 ANR 12-24-24
24L0442-05	Barium 6010 Total	A	147			24J0265	ARR pH<2 ANR 12-24-24
24L0442-05	Beryllium 6010 Total	A	148			24J0265	ARR pH<2 ANR 12-24-24
24L0442-05	Cadmium 6010 Total	A	149			24J0265	ARR pH<2 ANR 12-24-24
24L0442-05	Calcium 6010 Total	A	150			24J0265	ARR pH<2 ANR 12-24-24
24L0442-05	Chromium 6010 Total	A	151			24J0265	ARR pH<2 ANR 12-24-24
24L0442-05	Cobalt 6010 Total	A	152			24J0265	ARR pH<2 ANR 12-24-24
24L0442-05	Iron 6010 Total	A	153			24J0265	ARR pH<2 ANR 12-24-24
24L0442-05	Magnesium 6010 Total	A	154			24J0265	ARR pH<2 ANR 12-24-24
24L0442-05	Manganese 6010 Total	A	155			24J0265	ARR pH<2 ANR 12-24-24
24L0442-05	Nickel 6010 Total	A	156			24J0265	ARR pH<2 ANR 12-24-24
24L0442-05	Potassium 6010 Total	A	157			24J0265	ARR pH<2 ANR 12-24-24
24L0442-05	Selenium 6010 Total	A	158			24J0265	ARR pH<2 ANR 12-24-24
24L0442-05	Silver 6010 Total	A	159			24J0265	ARR pH<2 ANR 12-24-24
24L0442-05	Sodium 6010 Total	A	160			24J0265	ARR pH<2 ANR 12-24-24
24L0442-05	Thallium 6010 Total	A	161			24J0265	ARR pH<2 ANR 12-24-24
24L0442-05	Vanadium 6010 Total	A	162			24J0265	ARR pH<2 ANR 12-24-24
24L0442-05	Zinc 6010 Total	A	163			24J0265	ARR pH<2 ANR 12-24-24
24L0442-07	Aluminum 6010 Total	A	164			24J0265	ARR pH<2 ANR 12-24-24
24L0442-07	Antimony 6010 Total	A	165			24J0265	ARR pH<2 ANR 12-24-24

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ANALYSIS SEQUENCE

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Instrument: ICP3

Calibration ID: 2500015

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Extraction Comments
24L0442-07	Barium 6010 Total	A	166			24J0265	ARR pH<2 ANR 12-24-24
24L0442-07	Beryllium 6010 Total	A	167			24J0265	ARR pH<2 ANR 12-24-24
24L0442-07	Cadmium 6010 Total	A	168			24J0265	ARR pH<2 ANR 12-24-24
24L0442-07	Calcium 6010 Total	A	169			24J0265	ARR pH<2 ANR 12-24-24
24L0442-07	Chromium 6010 Total	A	170			24J0265	ARR pH<2 ANR 12-24-24
24L0442-07	Cobalt 6010 Total	A	171			24J0265	ARR pH<2 ANR 12-24-24
24L0442-07	Iron 6010 Total	A	172			24J0265	ARR pH<2 ANR 12-24-24
24L0442-07	Magnesium 6010 Total	A	173			24J0265	ARR pH<2 ANR 12-24-24
24L0442-07	Manganese 6010 Total	A	174			24J0265	ARR pH<2 ANR 12-24-24
24L0442-07	Nickel 6010 Total	A	175			24J0265	ARR pH<2 ANR 12-24-24
24L0442-07	Potassium 6010 Total	A	176			24J0265	ARR pH<2 ANR 12-24-24
24L0442-07	Selenium 6010 Total	A	177			24J0265	ARR pH<2 ANR 12-24-24
24L0442-07	Silver 6010 Total	A	178			24J0265	ARR pH<2 ANR 12-24-24
24L0442-07	Sodium 6010 Total	A	179			24J0265	ARR pH<2 ANR 12-24-24
24L0442-07	Thallium 6010 Total	A	180			24J0265	ARR pH<2 ANR 12-24-24
24L0442-07	Vanadium 6010 Total	A	181			24J0265	ARR pH<2 ANR 12-24-24
24L0442-07	Zinc 6010 Total	A	182			24J0265	ARR pH<2 ANR 12-24-24
24L0442-08	Aluminum 6010 Total	A	183			24J0265	ARR pH<2 ANR 12-24-24
24L0442-08	Antimony 6010 Total	A	184			24J0265	ARR pH<2 ANR 12-24-24
24L0442-08	Barium 6010 Total	A	185			24J0265	ARR pH<2 ANR 12-24-24
24L0442-08	Beryllium 6010 Total	A	186			24J0265	ARR pH<2 ANR 12-24-24
24L0442-08	Cadmium 6010 Total	A	187			24J0265	ARR pH<2 ANR 12-24-24
24L0442-08	Calcium 6010 Total	A	188			24J0265	ARR pH<2 ANR 12-24-24
24L0442-08	Chromium 6010 Total	A	189			24J0265	ARR pH<2 ANR 12-24-24
24L0442-08	Cobalt 6010 Total	A	190			24J0265	ARR pH<2 ANR 12-24-24
24L0442-08	Iron 6010 Total	A	191			24J0265	ARR pH<2 ANR 12-24-24
24L0442-08	Magnesium 6010 Total	A	192			24J0265	ARR pH<2 ANR 12-24-24
24L0442-08	Manganese 6010 Total	A	193			24J0265	ARR pH<2 ANR 12-24-24
24L0442-08	Nickel 6010 Total	A	194			24J0265	ARR pH<2 ANR 12-24-24
24L0442-08	Potassium 6010 Total	A	195			24J0265	ARR pH<2 ANR 12-24-24
24L0442-08	Selenium 6010 Total	A	196			24J0265	ARR pH<2 ANR 12-24-24
24L0442-08	Silver 6010 Total	A	197			24J0265	ARR pH<2 ANR 12-24-24
24L0442-08	Sodium 6010 Total	A	198			24J0265	ARR pH<2 ANR 12-24-24

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Instrument: ICP3

Calibration ID: 2500015

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Extraction Comments
24L0442-08	Thallium 6010 Total	A	199			24J0265	ARR pH<2 ANR 12-24-24
24L0442-08	Vanadium 6010 Total	A	200			24J0265	ARR pH<2 ANR 12-24-24
24L0442-08	Zinc 6010 Total	A	201			24J0265	ARR pH<2 ANR 12-24-24
24L1377-01	Aluminum 6010 Total	F	202			24J0265	ARR pH<2 ANR 12-24-24
24L1377-01	Calcium 6010 Total	F	203			24J0265	ARR pH<2 ANR 12-24-24
24L1377-01	Chromium 6010 Total	F	204			24J0265	ARR pH<2 ANR 12-24-24
24L1377-01	Magnesium 6010 Total	F	205			24J0265	ARR pH<2 ANR 12-24-24
24L1377-01	Sodium 6010 Total	F	206			24J0265	ARR pH<2 ANR 12-24-24
24L1377-01	Zinc 6010 Total	F	207			24J0265	ARR pH<2 ANR 12-24-24
24L1377-02	Aluminum 6010 Total	F	208			24J0265	ARR pH<2 ANR 12-24-24
24L1377-02	Calcium 6010 Total	F	209			24J0265	ARR pH<2 ANR 12-24-24
24L1377-02	Chromium 6010 Total	F	210			24J0265	ARR pH<2 ANR 12-24-24
24L1377-02	Magnesium 6010 Total	F	211			24J0265	ARR pH<2 ANR 12-24-24
24L1377-02	Sodium 6010 Total	F	212			24J0265	ARR pH<2 ANR 12-24-24
24L1377-02	Zinc 6010 Total	F	213			24J0265	ARR pH<2 ANR 12-24-24
24L1377-03	Aluminum 6010 Total	F	214			24J0265	ARR pH<2 ANR 12-24-24
24L1377-03	Calcium 6010 Total	F	215			24J0265	ARR pH<2 ANR 12-24-24
24L1377-03	Chromium 6010 Total	F	216			24J0265	ARR pH<2 ANR 12-24-24
24L1377-03	Magnesium 6010 Total	F	217			24J0265	ARR pH<2 ANR 12-24-24
24L1377-03	Sodium 6010 Total	F	218			24J0265	ARR pH<2 ANR 12-24-24
24L1377-03	Zinc 6010 Total	F	219			24J0265	ARR pH<2 ANR 12-24-24
S116387-CCV2	QC		220		24I1043	24J0265	
S116387-CCB2	QC		221		24J1007	24J0265	
24L1377-04	Aluminum 6010 Total	F	222			24J0265	ARR pH<2 ANR 12-24-24
24L1377-04	Calcium 6010 Total	F	223			24J0265	ARR pH<2 ANR 12-24-24
24L1377-04	Chromium 6010 Total	F	224			24J0265	ARR pH<2 ANR 12-24-24
24L1377-04	Magnesium 6010 Total	F	225			24J0265	ARR pH<2 ANR 12-24-24
24L1377-04	Sodium 6010 Total	F	226			24J0265	ARR pH<2 ANR 12-24-24
24L1377-04	Zinc 6010 Total	F	227			24J0265	ARR pH<2 ANR 12-24-24
24L1541-02	Aluminum 6010 Total	B	228			24J0265	Cat B report to MDL ARR pH<2
24L1541-02	Antimony 6010 Total	B	229			24J0265	Cat B report to MDL ARR pH<2
24L1541-02	Barium 6010 Total	B	230			24J0265	Cat B report to MDL ARR pH<2
24L1541-02	Beryllium 6010 Total	B	231			24J0265	Cat B report to MDL ARR pH<2

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Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Extraction Comments
24L1541-02	Cadmium 6010 Total	B	232			24J0265	Cat B report to MDL ARR pH<2
24L1541-02	Calcium 6010 Total	B	233			24J0265	Cat B report to MDL ARR pH<2
24L1541-02	Chromium 6010 Total	B	234			24J0265	Cat B report to MDL ARR pH<2
24L1541-02	Cobalt 6010 Total	B	235			24J0265	Cat B report to MDL ARR pH<2
24L1541-02	Iron 6010 Total	B	236			24J0265	Cat B report to MDL ARR pH<2
24L1541-02	Magnesium 6010 Total	B	237			24J0265	Cat B report to MDL ARR pH<2
24L1541-02	Manganese 6010 Total	B	238			24J0265	Cat B report to MDL ARR pH<2
24L1541-02	Nickel 6010 Total	B	239			24J0265	Cat B report to MDL ARR pH<2
24L1541-02	Potassium 6010 Total	B	240			24J0265	Cat B report to MDL ARR pH<2
24L1541-02	Selenium 6010 Total	B	241			24J0265	Cat B report to MDL ARR pH<2
24L1541-02	Silver 6010 Total	B	242			24J0265	Cat B report to MDL ARR pH<2
24L1541-02	Sodium 6010 Total	B	243			24J0265	Cat B report to MDL ARR pH<2
24L1541-02	Thallium 6010 Total	B	244			24J0265	Cat B report to MDL ARR pH<2
24L1541-02	Vanadium 6010 Total	B	245			24J0265	Cat B report to MDL ARR pH<2
24L1541-02	Zinc 6010 Total	B	246			24J0265	Cat B report to MDL ARR pH<2
24L1541-03	Aluminum 6010 Total	B	247			24J0265	Cat B report to MDL ARR pH<2
24L1541-03	Antimony 6010 Total	B	248			24J0265	Cat B report to MDL ARR pH<2
24L1541-03	Barium 6010 Total	B	249			24J0265	Cat B report to MDL ARR pH<2
24L1541-03	Beryllium 6010 Total	B	250			24J0265	Cat B report to MDL ARR pH<2
24L1541-03	Cadmium 6010 Total	B	251			24J0265	Cat B report to MDL ARR pH<2
24L1541-03	Calcium 6010 Total	B	252			24J0265	Cat B report to MDL ARR pH<2
24L1541-03	Chromium 6010 Total	B	253			24J0265	Cat B report to MDL ARR pH<2
24L1541-03	Cobalt 6010 Total	B	254			24J0265	Cat B report to MDL ARR pH<2
24L1541-03	Iron 6010 Total	B	255			24J0265	Cat B report to MDL ARR pH<2
24L1541-03	Magnesium 6010 Total	B	256			24J0265	Cat B report to MDL ARR pH<2
24L1541-03	Manganese 6010 Total	B	257			24J0265	Cat B report to MDL ARR pH<2
24L1541-03	Nickel 6010 Total	B	258			24J0265	Cat B report to MDL ARR pH<2
24L1541-03	Potassium 6010 Total	B	259			24J0265	Cat B report to MDL ARR pH<2
24L1541-03	Selenium 6010 Total	B	260			24J0265	Cat B report to MDL ARR pH<2
24L1541-03	Silver 6010 Total	B	261			24J0265	Cat B report to MDL ARR pH<2
24L1541-03	Sodium 6010 Total	B	262			24J0265	Cat B report to MDL ARR pH<2
24L1541-03	Thallium 6010 Total	B	263			24J0265	Cat B report to MDL ARR pH<2
24L1541-03	Vanadium 6010 Total	B	264			24J0265	Cat B report to MDL ARR pH<2

Samples Loaded By Date

Data Processed By Date

ANALYSIS SEQUENCE

S116387

Instrument: ICP3

Calibration ID: 2500015

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Extraction Comments
24L1541-03	Zinc 6010 Total	B	265			24J0265	Cat B report to MDL ARR pH<2
24L1541-04	Aluminum 6010 Total	B	266			24J0265	Cat B report to MDL ARR pH<2
24L1541-04	Antimony 6010 Total	B	267			24J0265	Cat B report to MDL ARR pH<2
24L1541-04	Barium 6010 Total	B	268			24J0265	Cat B report to MDL ARR pH<2
24L1541-04	Beryllium 6010 Total	B	269			24J0265	Cat B report to MDL ARR pH<2
24L1541-04	Cadmium 6010 Total	B	270			24J0265	Cat B report to MDL ARR pH<2
24L1541-04	Calcium 6010 Total	B	271			24J0265	Cat B report to MDL ARR pH<2
24L1541-04	Chromium 6010 Total	B	272			24J0265	Cat B report to MDL ARR pH<2
24L1541-04	Cobalt 6010 Total	B	273			24J0265	Cat B report to MDL ARR pH<2
24L1541-04	Iron 6010 Total	B	274			24J0265	Cat B report to MDL ARR pH<2
24L1541-04	Magnesium 6010 Total	B	275			24J0265	Cat B report to MDL ARR pH<2
24L1541-04	Manganese 6010 Total	B	276			24J0265	Cat B report to MDL ARR pH<2
24L1541-04	Nickel 6010 Total	B	277			24J0265	Cat B report to MDL ARR pH<2
24L1541-04	Potassium 6010 Total	B	278			24J0265	Cat B report to MDL ARR pH<2
24L1541-04	Selenium 6010 Total	B	279			24J0265	Cat B report to MDL ARR pH<2
24L1541-04	Silver 6010 Total	B	280			24J0265	Cat B report to MDL ARR pH<2
24L1541-04	Sodium 6010 Total	B	281			24J0265	Cat B report to MDL ARR pH<2
24L1541-04	Thallium 6010 Total	B	282			24J0265	Cat B report to MDL ARR pH<2
24L1541-04	Vanadium 6010 Total	B	283			24J0265	Cat B report to MDL ARR pH<2
24L1541-04	Zinc 6010 Total	B	284			24J0265	Cat B report to MDL ARR pH<2
24L1541-05	Aluminum 6010 Total	B	285			24J0265	Cat B report to MDL ARR pH<2
24L1541-05	Antimony 6010 Total	B	286			24J0265	Cat B report to MDL ARR pH<2
24L1541-05	Barium 6010 Total	B	287			24J0265	Cat B report to MDL ARR pH<2
24L1541-05	Beryllium 6010 Total	B	288			24J0265	Cat B report to MDL ARR pH<2
24L1541-05	Cadmium 6010 Total	B	289			24J0265	Cat B report to MDL ARR pH<2
24L1541-05	Calcium 6010 Total	B	290			24J0265	Cat B report to MDL ARR pH<2
24L1541-05	Chromium 6010 Total	B	291			24J0265	Cat B report to MDL ARR pH<2
24L1541-05	Cobalt 6010 Total	B	292			24J0265	Cat B report to MDL ARR pH<2
24L1541-05	Iron 6010 Total	B	293			24J0265	Cat B report to MDL ARR pH<2
24L1541-05	Magnesium 6010 Total	B	294			24J0265	Cat B report to MDL ARR pH<2
24L1541-05	Manganese 6010 Total	B	295			24J0265	Cat B report to MDL ARR pH<2
24L1541-05	Nickel 6010 Total	B	296			24J0265	Cat B report to MDL ARR pH<2
24L1541-05	Potassium 6010 Total	B	297			24J0265	Cat B report to MDL ARR pH<2

Samples Loaded By Date

Data Processed By Date

ANALYSIS SEQUENCE

S116387

Instrument: ICP3

Calibration ID: 2500015

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Extraction Comments
24L1541-05	Selenium 6010 Total	B	298			24J0265	Cat B report to MDL ARR pH<2
24L1541-05	Silver 6010 Total	B	299			24J0265	Cat B report to MDL ARR pH<2
24L1541-05	Sodium 6010 Total	B	300			24J0265	Cat B report to MDL ARR pH<2
24L1541-05	Thallium 6010 Total	B	301			24J0265	Cat B report to MDL ARR pH<2
24L1541-05	Vanadium 6010 Total	B	302			24J0265	Cat B report to MDL ARR pH<2
24L1541-05	Zinc 6010 Total	B	303			24J0265	Cat B report to MDL ARR pH<2
24L1652-24	Aluminum 6010 Total	J	304			24J0265	SW-26 ARR pH<2 ANR 12-24-2
24L1652-24	Antimony 6010 Total	J	305			24J0265	SW-26 ARR pH<2 ANR 12-24-2
24L1652-24	Barium 6010 Total	J	306			24J0265	SW-26 ARR pH<2 ANR 12-24-2
24L1652-24	Beryllium 6010 Total	J	307			24J0265	SW-26 ARR pH<2 ANR 12-24-2
24L1652-24	Cadmium 6010 Total	J	308			24J0265	SW-26 ARR pH<2 ANR 12-24-2
24L1652-24	Calcium 6010 Total	J	309			24J0265	SW-26 ARR pH<2 ANR 12-24-2
24L1652-24	Chromium 6010 Total	J	310			24J0265	SW-26 ARR pH<2 ANR 12-24-2
24L1652-24	Cobalt 6010 Total	J	311			24J0265	SW-26 ARR pH<2 ANR 12-24-2
24L1652-24	Iron 6010 Total	J	312			24J0265	SW-26 ARR pH<2 ANR 12-24-2
24L1652-24	Magnesium 6010 Total	J	313			24J0265	SW-26 ARR pH<2 ANR 12-24-2
24L1652-24	Manganese 6010 Total	J	314			24J0265	SW-26 ARR pH<2 ANR 12-24-2
24L1652-24	Nickel 6010 Total	J	315			24J0265	SW-26 ARR pH<2 ANR 12-24-2
24L1652-24	Potassium 6010 Total	J	316			24J0265	SW-26 ARR pH<2 ANR 12-24-2
24L1652-24	Selenium 6010 Total	J	317			24J0265	SW-26 ARR pH<2 ANR 12-24-2
24L1652-24	Silver 6010 Total	J	318			24J0265	SW-26 ARR pH<2 ANR 12-24-2
24L1652-24	Sodium 6010 Total	J	319			24J0265	SW-26 ARR pH<2 ANR 12-24-2
24L1652-24	Thallium 6010 Total	J	320			24J0265	SW-26 ARR pH<2 ANR 12-24-2
24L1652-24	Vanadium 6010 Total	J	321			24J0265	SW-26 ARR pH<2 ANR 12-24-2
24L1652-24	Zinc 6010 Total	J	322			24J0265	SW-26 ARR pH<2 ANR 12-24-2
S116387-CCV3	QC		323		24I1043	24J0265	
S116387-CCB3	QC		324		24J1007	24J0265	

Samples Loaded By Date

Data Processed By Date

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Analysis Begun

Start Time: 1/4/2025 12:42:07 PM **Plasma On Time: 1/4/2025 7:01:26 AM**
Originator: Optima8300 **Technique: ICP Continuous**
Spectrometer: Optima 8300 , S/N 078S1703073 **Autosampler: S10**

Sample Information File: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Sample Information\ 0104A25.sifx
Results Data Set: 0104A25
Results Library: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Results\Results.mdb

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Batch ID: OPTIMA 3
Sequence No.: 1 **Autosampler Location: 8**
Sample ID: SEQ-ICV@ 23I0972 **Date Collected: 1/4/2025 12:42:17 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample):
User canceled analysis.

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Analysis Begun

Start Time: 1/4/2025 12:44:55 PM **Plasma On Time: 1/4/2025 7:01:26 AM**
Originator: Optima8300 **Technique: ICP Continuous**
Spectrometer: Optima 8300 , S/N 078S1703073 **Autosampler: S10**

Sample Information File: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Sample Information\ 0104A25.sifx
Results Data Set: 0104A25
Results Library: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Results\Results.mdb

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Batch ID: OPTIMA 3
Sequence No.: 11 **Autosampler Location: 7**
Sample ID: RINSE **Date Collected: 1/4/2025 12:44:56 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample):

Mean Data: RINSE

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y radial	117741.8	95.4	%	1.54	95.4	%	1.54	1.61%
Y axial	1973606.1	96.3	%	0.71	96.3	%	0.71	0.73%
Ag 328.068†	3.8	0.0001	mg/L	0.00072	0.0001	mg/L	0.00072	>999.9%
Al 396.153†	44.1	0.0122	mg/L	0.00616	0.0122	mg/L	0.00616	50.38%
As 188.979†	3.4	0.0036	mg/L	0.00346	0.0036	mg/L	0.00346	95.27%
B 208.889†	83.3	0.0129	mg/L	0.00068	0.0129	mg/L	0.00068	5.27%
Ba 233.527†	1.7	0.0009	mg/L	0.00171	0.0009	mg/L	0.00171	197.60%
Be 313.107†	15.1	0.0001	mg/L	0.00008	0.0001	mg/L	0.00008	115.08%
Ca 317.933†	6.6	0.0019	mg/L	0.00376	0.0019	mg/L	0.00376	201.77%
Cd 228.802†	15.7	0.0006	mg/L	0.00033	0.0006	mg/L	0.00033	55.03%
Co 228.616†	-3.2	-0.0001	mg/L	0.00006	-0.0001	mg/L	0.00006	46.30%
Cr 267.716†	103.4	0.0026	mg/L	0.00020	0.0026	mg/L	0.00020	7.93%
Cu 327.393†	1136.0	0.0103	mg/L	0.00034	0.0103	mg/L	0.00034	3.32%
Fe 238.204†	-1.2	-0.0006	mg/L	0.00140	-0.0006	mg/L	0.00140	219.56%
K 766.490†	445.7	0.1821	mg/L	0.01157	0.1821	mg/L	0.01157	6.35%
Mg 285.213†	54.4	0.0073	mg/L	0.00208	0.0073	mg/L	0.00208	28.44%
Mn 257.610†	1.0	0.0001	mg/L	0.00065	0.0001	mg/L	0.00065	853.64%
Mo 202.031†	6.2	0.0005	mg/L	0.00023	0.0005	mg/L	0.00023	49.88%
Na 589.592†	3049.3	0.2505	mg/L	0.01143	0.2505	mg/L	0.01143	4.56%
Ni 231.604†	-2.6	-0.0001	mg/L	0.00013	-0.0001	mg/L	0.00013	105.45%
Pb 220.353†	1.3	0.0006	mg/L	0.00027	0.0006	mg/L	0.00027	48.43%
Sb 206.836†	1.2	0.0006	mg/L	0.00022	0.0006	mg/L	0.00022	36.13%

Se 196.026†	-0.3	-0.0002	mg/L	0.00277	-0.0002	mg/L	0.00277 >999.9%
Sn 189.927†	-4.9	-0.0014	mg/L	0.00076	-0.0014	mg/L	0.00076 54.10%
Ti 337.279†	-1.5	-0.0001	mg/L	0.00021	-0.0001	mg/L	0.00021 188.55%
Tl 351.924†	9.7	0.0033	mg/L	0.01428	0.0033	mg/L	0.01428 430.88%
V 290.880†	54.5	0.0011	mg/L	0.00042	0.0011	mg/L	0.00042 39.07%
Zn 206.200†	-23.5	-0.0016	mg/L	0.00005	-0.0016	mg/L	0.00005 3.29%
Zr 343.823†	29.7	0.0002	mg/L	0.00002	0.0002	mg/L	0.00002 10.39%

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Batch ID: OPTIMA 3
Sequence No.: 12 **Autosampler Location: 7**
Sample ID: RINSE **Date Collected: 1/4/2025 12:52:41 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample): 220

Mean Data: RINSE

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	119215.6	96.6	%	1.61	96.6	%	1.61	1.66%
Y axial	1966355.6	96.0	%	0.71	96.0	%	0.71	0.74%
Ag 328.068†	-16.8	-0.0003	mg/L	0.00045	-0.0003	mg/L	0.00045	155.95%
Al 396.153†	32.7	0.0091	mg/L	0.00192	0.0091	mg/L	0.00192	21.13%
As 188.979†	3.1	0.0033	mg/L	0.00492	0.0033	mg/L	0.00492	149.32%
B 208.889†	67.6	0.0105	mg/L	0.00043	0.0105	mg/L	0.00043	4.07%
Ba 233.527†	-0.7	-0.0004	mg/L	0.00102	-0.0004	mg/L	0.00102	270.14%
Be 313.107†	19.4	0.0001	mg/L	0.00007	0.0001	mg/L	0.00007	72.82%
Ca 317.933†	22.1	0.0063	mg/L	0.00656	0.0063	mg/L	0.00656	104.62%
Cd 228.802†	8.9	0.0003	mg/L	0.00014	0.0003	mg/L	0.00014	43.16%
Co 228.616†	-5.1	-0.0002	mg/L	0.00006	-0.0002	mg/L	0.00006	29.65%
Cr 267.716†	53.0	0.0013	mg/L	0.00005	0.0013	mg/L	0.00005	3.78%
Cu 327.393†	642.2	0.0058	mg/L	0.00040	0.0058	mg/L	0.00040	6.94%
Fe 238.204†	-3.0	-0.0016	mg/L	0.00251	-0.0016	mg/L	0.00251	157.40%
K 766.490†	147.1	0.0601	mg/L	0.01568	0.0601	mg/L	0.01568	26.08%
Mg 285.213†	30.4	0.0041	mg/L	0.00292	0.0041	mg/L	0.00292	71.18%
Mn 257.610†	7.0	0.0005	mg/L	0.00016	0.0005	mg/L	0.00016	31.37%
Mo 202.031†	-0.3	-0.0000	mg/L	0.00015	-0.0000	mg/L	0.00015	716.82%
Na 589.592†	980.6	0.0805	mg/L	0.00476	0.0805	mg/L	0.00476	5.91%
Ni 231.604†	-5.9	-0.0003	mg/L	0.00021	-0.0003	mg/L	0.00021	74.50%
Pb 220.353†	3.3	0.0014	mg/L	0.00224	0.0014	mg/L	0.00224	159.57%
Sb 206.836†	-0.1	-0.0001	mg/L	0.00233	-0.0001	mg/L	0.00233	>999.9%
Se 196.026†	-0.3	-0.0002	mg/L	0.00354	-0.0002	mg/L	0.00354	>999.9%
Sn 189.927†	2.8	0.0008	mg/L	0.00106	0.0008	mg/L	0.00106	128.53%
Ti 337.279†	3.9	0.0003	mg/L	0.00026	0.0003	mg/L	0.00026	92.11%
Tl 351.924†	11.6	0.0039	mg/L	0.01545	0.0039	mg/L	0.01545	392.49%
V 290.880†	39.4	0.0008	mg/L	0.00109	0.0008	mg/L	0.00109	142.37%
Zn 206.200†	-25.2	-0.0017	mg/L	0.00015	-0.0017	mg/L	0.00015	8.63%
Zr 343.823†	-26.0	-0.0002	mg/L	0.00038	-0.0002	mg/L	0.00038	209.57%

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Batch ID: OPTIMA 3
Sequence No.: 13 **Autosampler Location: 38**
Sample ID: B395349-BLK1 **Date Collected: 1/4/2025 1:00:25 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample): 220

Mean Data: B395349-BLK1

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	112732.0	91.3	%	1.81	91.3	%	1.81	1.98%
Y axial	1953247.0	95.3	%	1.95	95.3	%	1.95	2.05%
Ag 328.068†	-44.9	-0.0008	mg/L	0.00061	-0.0008	mg/L	0.00061	79.20%
Al 396.153†	-2.5	-0.0007	mg/L	0.00392	-0.0007	mg/L	0.00392	573.13%
As 188.979†	1.4	0.0015	mg/L	0.00156	0.0015	mg/L	0.00156	103.63%
B 208.889†	60.7	0.0094	mg/L	0.00049	0.0094	mg/L	0.00049	5.22%

Ba 233.527†	0.3	0.0001 mg/L	0.00134	0.0001 mg/L	0.00134	>999.9%
Be 313.107†	10.8	0.0000 mg/L	0.00006	0.0000 mg/L	0.00006	124.69%
Ca 317.933†	50.2	0.0143 mg/L	0.00343	0.0143 mg/L	0.00343	24.08%
Cd 228.802†	11.2	0.0004 mg/L	0.00028	0.0004 mg/L	0.00028	65.38%
Co 228.616†	-8.0	-0.0003 mg/L	0.00017	-0.0003 mg/L	0.00017	50.08%
Cr 267.716†	65.3	0.0016 mg/L	0.00008	0.0016 mg/L	0.00008	5.18%
Cu 327.393†	1871.5	0.0169 mg/L	0.00104	0.0169 mg/L	0.00104	6.16%
Fe 238.204†	6.8	0.0036 mg/L	0.00030	0.0036 mg/L	0.00030	8.30%
K 766.490†	186.0	0.0760 mg/L	0.04309	0.0760 mg/L	0.04309	56.71%
Mg 285.213†	16.9	0.0023 mg/L	0.00080	0.0023 mg/L	0.00080	34.87%
Mn 257.610†	2.6	0.0002 mg/L	0.00041	0.0002 mg/L	0.00041	215.81%
Mo 202.031†	-1.7	-0.0001 mg/L	0.00031	-0.0001 mg/L	0.00031	244.01%
Na 589.592†	928.7	0.0763 mg/L	0.00775	0.0763 mg/L	0.00775	10.16%
Ni 231.604†	1.2	0.0001 mg/L	0.00004	0.0001 mg/L	0.00004	66.60%
Pb 220.353†	5.6	0.0023 mg/L	0.00035	0.0023 mg/L	0.00035	15.18%
Sb 206.836†	1.1	0.0006 mg/L	0.00263	0.0006 mg/L	0.00263	430.01%
Se 196.026†	-1.2	-0.0008 mg/L	0.00121	-0.0008 mg/L	0.00121	152.77%
Sn 189.927†	2.7	0.0008 mg/L	0.00092	0.0008 mg/L	0.00092	115.85%
Ti 337.279†	-3.7	-0.0003 mg/L	0.00042	-0.0003 mg/L	0.00042	154.88%
Tl 351.924†	-19.2	-0.0065 mg/L	0.01091	-0.0065 mg/L	0.01091	167.49%
V 290.880†	57.8	0.0011 mg/L	0.00138	0.0011 mg/L	0.00138	123.43%
Zn 206.200†	255.0	0.0175 mg/L	0.00075	0.0175 mg/L	0.00075	4.31%
Zr 343.823†	-5.2	-0.0000 mg/L	0.00008	-0.0000 mg/L	0.00008	218.15%

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Batch ID: OPTIMA 3
Sequence No.: 14 **Autosampler Location: 39**
Sample ID: B395349-BS1 **Date Collected: 1/4/2025 1:08:12 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample): 220

Mean Data: B395349-BS1

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	118120.5	95.7	%	1.05	95.7	%	1.05	1.10%
Y axial	1962651.8	95.8	%	1.80	95.8	%	1.80	1.88%
Ag 328.068†	31254.1	0.5400	mg/L	0.01127	0.5400	mg/L	0.01127	2.09%
Al 396.153†	1976.7	0.5275	mg/L	0.00759	0.5275	mg/L	0.00759	1.44%
As 188.979†	469.9	0.4937	mg/L	0.01223	0.4937	mg/L	0.01223	2.48%
B 208.889†	6395.7	0.9703	mg/L	0.01641	0.9703	mg/L	0.01641	1.69%
Ba 233.527†	968.3	0.5022	mg/L	0.00931	0.5022	mg/L	0.00931	1.85%
Be 313.107†	105161.1	0.5297	mg/L	0.00214	0.5297	mg/L	0.00214	0.40%
Ca 317.933†	14431.2	4.098	mg/L	0.0413	4.098	mg/L	0.0413	1.01%
Cd 228.802†	13022.7	0.5182	mg/L	0.01271	0.5182	mg/L	0.01271	2.45%
Co 228.616†	12370.0	0.5123	mg/L	0.01230	0.5123	mg/L	0.01230	2.40%
Cr 267.716†	20622.6	0.5150	mg/L	0.01038	0.5150	mg/L	0.01038	2.01%
Cu 327.393†	114894.7	1.038	mg/L	0.0218	1.038	mg/L	0.0218	2.10%
Fe 238.204†	7897.1	4.148	mg/L	0.0398	4.148	mg/L	0.0398	0.96%
K 766.490†	10010.8	4.090	mg/L	0.0049	4.090	mg/L	0.0049	0.12%
Mg 285.213†	29607.0	3.990	mg/L	0.0084	3.990	mg/L	0.0084	0.21%
Mn 257.610†	7068.4	0.5187	mg/L	0.00478	0.5187	mg/L	0.00478	0.92%
Mo 202.031†	7006.4	0.5169	mg/L	0.01105	0.5169	mg/L	0.01105	2.14%
Na 589.592†	48532.8	3.986	mg/L	0.0181	3.986	mg/L	0.0181	0.45%
Ni 231.604†	10617.6	0.5092	mg/L	0.01157	0.5092	mg/L	0.01157	2.27%
Pb 220.353†	1200.4	0.5055	mg/L	0.01285	0.5055	mg/L	0.01285	2.54%
Sb 206.836†	922.8	0.5153	mg/L	0.01505	0.5153	mg/L	0.01505	2.92%
Se 196.026†	753.2	0.5068	mg/L	0.00786	0.5068	mg/L	0.00786	1.55%
Sn 189.927†	1639.3	0.4843	mg/L	0.00825	0.4843	mg/L	0.00825	1.70%
Ti 337.279†	7089.1	0.5191	mg/L	0.00511	0.5191	mg/L	0.00511	0.98%
Tl 351.924†	1481.8	0.5016	mg/L	0.00715	0.5016	mg/L	0.00715	1.43%
V 290.880†	26214.3	0.5282	mg/L	0.01483	0.5282	mg/L	0.01483	2.81%
Zn 206.200†	15373.8	1.059	mg/L	0.0225	1.059	mg/L	0.0225	2.13%
Zr 343.823†	3.5	-0.0001	mg/L	0.00008	-0.0001	mg/L	0.00008	61.79%

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Batch ID: OPTIMA 3
Sequence No.: 15 **Autosampler Location: 40**

Sample ID: B395349-BSD1
Analyst:
Initial Sample Wt:
Dilution:
Rinse Time (before sample): 220

Date Collected: 1/4/2025 1:15:59 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: B395349-BSD1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y radial	119237.1	96.6	%	1.72	96.6	%	1.72	1.78%
Y axial	1930508.1	94.2	%	0.64	94.2	%	0.64	0.68%
Ag 328.068†	31375.6	0.5421	mg/L	0.01560	0.5421	mg/L	0.01560	2.88%
Al 396.153†	1940.1	0.5167	mg/L	0.00941	0.5167	mg/L	0.00941	1.82%
As 188.979†	471.1	0.4949	mg/L	0.00391	0.4949	mg/L	0.00391	0.79%
B 208.889†	6639.0	1.007	mg/L	0.0086	1.007	mg/L	0.0086	0.85%
Ba 233.527†	987.1	0.5120	mg/L	0.00203	0.5120	mg/L	0.00203	0.40%
Be 313.107†	106741.5	0.5377	mg/L	0.00277	0.5377	mg/L	0.00277	0.51%
Ca 317.933†	14231.6	4.041	mg/L	0.0709	4.041	mg/L	0.0709	1.75%
Cd 228.802†	13433.7	0.5346	mg/L	0.00730	0.5346	mg/L	0.00730	1.36%
Co 228.616†	12816.7	0.5309	mg/L	0.00402	0.5309	mg/L	0.00402	0.76%
Cr 267.716†	21272.2	0.5312	mg/L	0.00457	0.5312	mg/L	0.00457	0.86%
Cu 327.393†	119089.1	1.076	mg/L	0.0141	1.076	mg/L	0.0141	1.31%
Fe 238.204†	7838.1	4.118	mg/L	0.0716	4.118	mg/L	0.0716	1.74%
K 766.490†	10185.0	4.161	mg/L	0.0295	4.161	mg/L	0.0295	0.71%
Mg 285.213†	30007.3	4.044	mg/L	0.0118	4.044	mg/L	0.0118	0.29%
Mn 257.610†	7010.9	0.5145	mg/L	0.00909	0.5145	mg/L	0.00909	1.77%
Mo 202.031†	7218.6	0.5326	mg/L	0.00325	0.5326	mg/L	0.00325	0.61%
Na 589.592†	49642.7	4.078	mg/L	0.0137	4.078	mg/L	0.0137	0.34%
Ni 231.604†	10955.2	0.5254	mg/L	0.00824	0.5254	mg/L	0.00824	1.57%
Pb 220.353†	1242.2	0.5231	mg/L	0.00172	0.5231	mg/L	0.00172	0.33%
Sb 206.836†	955.7	0.5337	mg/L	0.00296	0.5337	mg/L	0.00296	0.55%
Se 196.026†	778.7	0.5238	mg/L	0.00251	0.5238	mg/L	0.00251	0.48%
Sn 189.927†	1690.0	0.4992	mg/L	0.00431	0.4992	mg/L	0.00431	0.86%
Ti 337.279†	7050.0	0.5162	mg/L	0.00947	0.5162	mg/L	0.00947	1.83%
Tl 351.924†	1550.3	0.5248	mg/L	0.00504	0.5248	mg/L	0.00504	0.96%
V 290.880†	27111.8	0.5462	mg/L	0.00817	0.5462	mg/L	0.00817	1.50%
Zn 206.200†	15844.0	1.092	mg/L	0.0087	1.092	mg/L	0.0087	0.80%
Zr 343.823†	4.6	-0.0001	mg/L	0.00003	-0.0001	mg/L	0.00003	26.81%

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Batch ID: OPTIMA 3
Sequence No.: 16
Sample ID: B395349-MS1
Analyst:
Initial Sample Wt:
Dilution:
Rinse Time (before sample): 220

Autosampler Location: 41
Date Collected: 1/4/2025 1:23:46 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: B395349-MS1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y radial	116867.0	94.7	%	0.61	94.7	%	0.61	0.64%
Y axial	1884106.9	91.9	%	0.69	91.9	%	0.69	0.75%
Ag 328.068†	31700.9	0.5477	mg/L	0.00325	0.5477	mg/L	0.00325	0.59%
Al 396.153†	2032.8	0.5417	mg/L	0.00391	0.5417	mg/L	0.00391	0.72%
As 188.979†	487.0	0.5113	mg/L	0.00622	0.5113	mg/L	0.00622	1.22%
B 208.889†	7680.5	1.169	mg/L	0.0140	1.169	mg/L	0.0140	1.20%
Ba 233.527†	1145.2	0.5940	mg/L	0.00980	0.5940	mg/L	0.00980	1.65%
Be 313.107†	105999.4	0.5339	mg/L	0.00115	0.5339	mg/L	0.00115	0.22%
Ca 317.933†	49940.5	14.18	mg/L	0.067	14.18	mg/L	0.067	0.47%
Cd 228.802†	13507.3	0.5375	mg/L	0.00466	0.5375	mg/L	0.00466	0.87%
Co 228.616†	12853.5	0.5324	mg/L	0.00496	0.5324	mg/L	0.00496	0.93%
Cr 267.716†	21201.2	0.5294	mg/L	0.00517	0.5294	mg/L	0.00517	0.98%
Cu 327.393†	124402.3	1.124	mg/L	0.0072	1.124	mg/L	0.0072	0.64%
Fe 238.204†	7949.2	4.176	mg/L	0.0347	4.176	mg/L	0.0347	0.83%
K 766.490†	33001.2	13.48	mg/L	0.033	13.48	mg/L	0.033	0.25%
Mg 285.213†	74551.2	10.04	mg/L	0.017	10.04	mg/L	0.017	0.17%
Mn 257.610†	8986.9	0.6595	mg/L	0.00684	0.6595	mg/L	0.00684	1.04%

Mo 202.031†	7192.7	0.5307	mg/L	0.00443	0.5307	mg/L	0.00443	0.83%
Na 589.592†	965523.8	79.31	mg/L	0.409	79.31	mg/L	0.409	0.52%
Ni 231.604†	11052.2	0.5301	mg/L	0.00350	0.5301	mg/L	0.00350	0.66%
Pb 220.353†	1221.1	0.5141	mg/L	0.00576	0.5141	mg/L	0.00576	1.12%
Sb 206.836†	946.4	0.5280	mg/L	0.00484	0.5280	mg/L	0.00484	0.92%
Se 196.026†	764.5	0.5138	mg/L	0.00470	0.5138	mg/L	0.00470	0.91%
Sn 189.927†	1451.2	0.4450	mg/L	0.00202	0.4450	mg/L	0.00202	0.45%
Ti 337.279†	7149.3	0.5235	mg/L	0.00437	0.5235	mg/L	0.00437	0.83%
Tl 351.924†	1536.3	0.5200	mg/L	0.00218	0.5200	mg/L	0.00218	0.42%
V 290.880†	27491.8	0.5535	mg/L	0.00394	0.5535	mg/L	0.00394	0.71%
Zn 206.200†	16299.3	1.123	mg/L	0.0115	1.123	mg/L	0.0115	1.02%
Zr 343.823†	2.6	-0.0001	mg/L	0.00005	-0.0001	mg/L	0.00005	34.95%

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Batch ID: OPTIMA 3
Sequence No.: 17 **Autosampler Location: 42**
Sample ID: B395349-MSD1 **Date Collected: 1/4/2025 1:31:41 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample): 220

Mean Data: B395349-MSD1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y radial	115482.4	93.6	%	0.44	93.6	%	0.44	0.47%
Y axial	1919603.4	93.7	%	0.96	93.7	%	0.96	1.02%
Ag 328.068†	31150.1	0.5382	mg/L	0.00812	0.5382	mg/L	0.00812	1.51%
Al 396.153†	2044.4	0.5450	mg/L	0.00451	0.5450	mg/L	0.00451	0.83%
As 188.979†	474.5	0.4982	mg/L	0.00915	0.4982	mg/L	0.00915	1.84%
B 208.889†	7675.0	1.168	mg/L	0.0402	1.168	mg/L	0.0402	3.44%
Ba 233.527†	1118.7	0.5803	mg/L	0.00635	0.5803	mg/L	0.00635	1.09%
Be 313.107†	106346.8	0.5357	mg/L	0.00145	0.5357	mg/L	0.00145	0.27%
Ca 317.933†	50233.5	14.26	mg/L	0.021	14.26	mg/L	0.021	0.15%
Cd 228.802†	13371.4	0.5321	mg/L	0.01582	0.5321	mg/L	0.01582	2.97%
Co 228.616†	12671.7	0.5248	mg/L	0.01590	0.5248	mg/L	0.01590	3.03%
Cr 267.716†	20972.2	0.5237	mg/L	0.01466	0.5237	mg/L	0.01466	2.80%
Cu 327.393†	123098.7	1.112	mg/L	0.0313	1.112	mg/L	0.0313	2.81%
Fe 238.204†	7984.0	4.194	mg/L	0.0302	4.194	mg/L	0.0302	0.72%
K 766.490†	33578.9	13.72	mg/L	0.063	13.72	mg/L	0.063	0.46%
Mg 285.213†	75653.8	10.19	mg/L	0.027	10.19	mg/L	0.027	0.26%
Mn 257.610†	9038.9	0.6633	mg/L	0.00370	0.6633	mg/L	0.00370	0.56%
Mo 202.031†	7156.3	0.5280	mg/L	0.01171	0.5280	mg/L	0.01171	2.22%
Na 589.592†	1007435.5	82.75	mg/L	0.565	82.75	mg/L	0.565	0.68%
Ni 231.604†	10888.5	0.5222	mg/L	0.01536	0.5222	mg/L	0.01536	2.94%
Pb 220.353†	1195.8	0.5035	mg/L	0.00585	0.5035	mg/L	0.00585	1.16%
Sb 206.836†	927.4	0.5174	mg/L	0.00757	0.5174	mg/L	0.00757	1.46%
Se 196.026†	748.9	0.5034	mg/L	0.00683	0.5034	mg/L	0.00683	1.36%
Sn 189.927†	1422.9	0.4371	mg/L	0.00537	0.4371	mg/L	0.00537	1.23%
Ti 337.279†	7165.2	0.5247	mg/L	0.00340	0.5247	mg/L	0.00340	0.65%
Tl 351.924†	1506.2	0.5098	mg/L	0.01078	0.5098	mg/L	0.01078	2.11%
V 290.880†	26932.3	0.5426	mg/L	0.01210	0.5426	mg/L	0.01210	2.23%
Zn 206.200†	16079.4	1.108	mg/L	0.0336	1.108	mg/L	0.0336	3.03%
Zr 343.823†	-9.0	-0.0002	mg/L	0.00008	-0.0002	mg/L	0.00008	34.87%

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Batch ID: OPTIMA 3
Sequence No.: 18 **Autosampler Location: 43**
Sample ID: B395349-PS1 **Date Collected: 1/4/2025 1:39:35 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample): 220

Mean Data: B395349-PS1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y radial	115140.6	93.3	%	0.64	93.3	%	0.64	0.68%

Y axial	1899704.4	92.7	%	1.37	92.7	%	1.37	1.48%
Ag 328.068†	115623.5	1.998	mg/L	0.0256	1.998	mg/L	0.0256	1.28%
Al 396.153†	7819.5	2.087	mg/L	0.0050	2.087	mg/L	0.0050	0.24%
As 188.979†	1829.5	1.922	mg/L	0.0315	1.922	mg/L	0.0315	1.64%
B 208.889†	26516.1	4.028	mg/L	0.1021	4.028	mg/L	0.1021	2.53%
Ba 233.527†	3988.7	2.069	mg/L	0.0203	2.069	mg/L	0.0203	0.98%
Be 313.107†	409722.9	2.064	mg/L	0.0023	2.064	mg/L	0.0023	0.11%
Ca 317.933†	91451.5	25.97	mg/L	0.063	25.97	mg/L	0.063	0.24%
Cd 228.802†	51524.6	2.050	mg/L	0.0046	2.050	mg/L	0.0046	0.22%
Co 228.616†	48312.7	2.001	mg/L	0.0105	2.001	mg/L	0.0105	0.53%
Cr 267.716†	80567.4	2.012	mg/L	0.0104	2.012	mg/L	0.0104	0.52%
Cu 327.393†	461825.7	4.172	mg/L	0.0054	4.172	mg/L	0.0054	0.13%
Fe 238.204†	31158.8	16.37	mg/L	0.036	16.37	mg/L	0.036	0.22%
K 766.490†	62723.2	25.62	mg/L	0.103	25.62	mg/L	0.103	0.40%
Mg 285.213†	161376.5	21.74	mg/L	0.007	21.74	mg/L	0.007	0.03%
Mn 257.610†	29606.0	2.173	mg/L	0.0078	2.173	mg/L	0.0078	0.36%
Mo 202.031†	27429.4	2.024	mg/L	0.0414	2.024	mg/L	0.0414	2.04%
Na 589.592†	1123058.1	92.25	mg/L	0.399	92.25	mg/L	0.399	0.43%
Ni 231.604†	41336.4	1.983	mg/L	0.0091	1.983	mg/L	0.0091	0.46%
Pb 220.353†	4624.6	1.947	mg/L	0.0404	1.947	mg/L	0.0404	2.07%
Sb 206.836†	3604.5	2.013	mg/L	0.0535	2.013	mg/L	0.0535	2.66%
Se 196.026†	2911.0	1.959	mg/L	0.0453	1.959	mg/L	0.0453	2.31%
Sn 189.927†	6219.0	1.854	mg/L	0.0382	1.854	mg/L	0.0382	2.06%
Ti 337.279†	28045.7	2.054	mg/L	0.0049	2.054	mg/L	0.0049	0.24%
Tl 351.924†	6130.8	2.075	mg/L	0.0444	2.075	mg/L	0.0444	2.14%
V 290.880†	104082.3	2.096	mg/L	0.0084	2.096	mg/L	0.0084	0.40%
Zn 206.200†	59743.0	4.117	mg/L	0.0236	4.117	mg/L	0.0236	0.57%
Zr 343.823†	-20.9	-0.0008	mg/L	0.00003	-0.0008	mg/L	0.00003	4.04%

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Batch ID: OPTIMA 3
Sequence No.: 19 **Autosampler Location: 44**
Sample ID: B395349-SRL1 **Date Collected: 1/4/2025 1:46:24 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample): 220

Mean Data: B395349-SRL1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y radial	115884.5	93.9	%	1.74	93.9	%	1.74	1.85%
Y axial	1956124.7	95.5	%	1.70	95.5	%	1.70	1.78%
Ag 328.068†	18.2	0.0003	mg/L	0.00033	0.0003	mg/L	0.00033	105.98%
Al 396.153†	29.0	0.0079	mg/L	0.01033	0.0079	mg/L	0.01033	130.89%
As 188.979†	3.5	0.0036	mg/L	0.00106	0.0036	mg/L	0.00106	29.25%
B 208.889†	451.0	0.0700	mg/L	0.00120	0.0700	mg/L	0.00120	1.71%
Ba 233.527†	33.1	0.0172	mg/L	0.00086	0.0172	mg/L	0.00086	5.02%
Be 313.107†	20.7	0.0001	mg/L	0.00002	0.0001	mg/L	0.00002	23.44%
Ca 317.933†	7176.9	2.038	mg/L	0.0333	2.038	mg/L	0.0333	1.63%
Cd 228.802†	5.1	0.0002	mg/L	0.00005	0.0002	mg/L	0.00005	26.73%
Co 228.616†	15.4	0.0006	mg/L	0.00009	0.0006	mg/L	0.00009	13.63%
Cr 267.716†	28.2	0.0007	mg/L	0.00010	0.0007	mg/L	0.00010	14.81%
Cu 327.393†	896.5	0.0081	mg/L	0.00221	0.0081	mg/L	0.00221	27.31%
Fe 238.204†	-2.1	-0.0011	mg/L	0.00110	-0.0011	mg/L	0.00110	103.54%
K 766.490†	4621.2	1.888	mg/L	0.0267	1.888	mg/L	0.0267	1.42%
Mg 285.213†	9161.6	1.233	mg/L	0.0141	1.233	mg/L	0.0141	1.14%
Mn 257.610†	396.3	0.0291	mg/L	0.00044	0.0291	mg/L	0.00044	1.52%
Mo 202.031†	-1.1	-0.0001	mg/L	0.00034	-0.0001	mg/L	0.00034	439.40%
Na 589.592†	186147.8	15.29	mg/L	0.031	15.29	mg/L	0.031	0.20%
Ni 231.604†	27.4	0.0013	mg/L	0.00005	0.0013	mg/L	0.00005	3.65%
Pb 220.353†	3.8	0.0016	mg/L	0.00125	0.0016	mg/L	0.00125	78.05%
Sb 206.836†	1.4	0.0006	mg/L	0.00157	0.0006	mg/L	0.00157	244.61%
Se 196.026†	1.3	0.0008	mg/L	0.00498	0.0008	mg/L	0.00498	651.32%
Sn 189.927†	-48.4	-0.0109	mg/L	0.00074	-0.0109	mg/L	0.00074	6.81%
Ti 337.279†	0.8	0.0001	mg/L	0.00040	0.0001	mg/L	0.00040	664.09%
Tl 351.924†	-16.6	-0.0056	mg/L	0.00882	-0.0056	mg/L	0.00882	156.28%
V 290.880†	107.6	0.0021	mg/L	0.00057	0.0021	mg/L	0.00057	27.37%
Zn 206.200†	108.2	0.0075	mg/L	0.00025	0.0075	mg/L	0.00025	3.38%

Zr 343.823†	-8.4	-0.0001	mg/L	0.00026	-0.0001	mg/L	0.00026 438.26%

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Batch ID: OPTIMA 3
Sequence No.: 20 **Autosampler Location: 45**
Sample ID: 24L0442-03 **Date Collected: 1/4/2025 1:54:17 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample): 220

Mean Data: 24L0442-03

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	117253.5	95.0	%	0.80	95.0	%	0.80	0.84%
Y axial	1916704.2	93.5	%	1.59	93.5	%	1.59	1.70%
Ag 328.068†	-14.8	-0.0003	mg/L	0.00044	-0.0003	mg/L	0.00044	174.49%
Al 396.153†	69.1	0.0183	mg/L	0.00588	0.0183	mg/L	0.00588	32.15%
As 188.979†	4.4	0.0043	mg/L	0.00394	0.0043	mg/L	0.00394	92.27%
B 208.889†	1221.0	0.1895	mg/L	0.00251	0.1895	mg/L	0.00251	1.32%
Ba 233.527†	154.3	0.0801	mg/L	0.00210	0.0801	mg/L	0.00210	2.62%
Be 313.107†	58.3	0.0003	mg/L	0.00000	0.0003	mg/L	0.00000	1.06%
Ca 317.933†	36299.4	10.31	mg/L	0.010	10.31	mg/L	0.010	0.10%
Cd 228.802†	4.6	0.0002	mg/L	0.00016	0.0002	mg/L	0.00016	95.44%
Co 228.616†	103.5	0.0043	mg/L	0.00027	0.0043	mg/L	0.00027	6.39%
Cr 267.716†	40.4	0.0010	mg/L	0.00026	0.0010	mg/L	0.00026	27.11%
Cu 327.393†	2291.9	0.0207	mg/L	0.00023	0.0207	mg/L	0.00023	1.13%
Fe 238.204†	25.4	0.0134	mg/L	0.00187	0.0134	mg/L	0.00187	13.91%
K 766.490†	23332.5	9.532	mg/L	0.0192	9.532	mg/L	0.0192	0.20%
Mg 285.213†	45907.8	6.179	mg/L	0.0116	6.179	mg/L	0.0116	0.19%
Mn 257.610†	1979.7	0.1452	mg/L	0.00105	0.1452	mg/L	0.00105	0.73%
Mo 202.031†	4.4	0.0003	mg/L	0.00042	0.0003	mg/L	0.00042	129.76%
Na 589.592†	919231.4	75.50	mg/L	0.469	75.50	mg/L	0.469	0.62%
Ni 231.604†	189.6	0.0091	mg/L	0.00054	0.0091	mg/L	0.00054	5.91%
Pb 220.353†	5.7	0.0024	mg/L	0.00249	0.0024	mg/L	0.00249	105.32%
Sb 206.836†	3.7	0.0015	mg/L	0.00283	0.0015	mg/L	0.00283	186.64%
Se 196.026†	-3.1	-0.0027	mg/L	0.00221	-0.0027	mg/L	0.00221	82.67%
Sn 189.927†	-243.5	-0.0551	mg/L	0.00214	-0.0551	mg/L	0.00214	3.89%
Ti 337.279†	-7.7	-0.0006	mg/L	0.00087	-0.0006	mg/L	0.00087	154.62%
Tl 351.924†	-35.6	-0.0121	mg/L	0.00750	-0.0121	mg/L	0.00750	61.98%
V 290.880†	155.3	0.0030	mg/L	0.00035	0.0030	mg/L	0.00035	11.74%
Zn 206.200†	555.8	0.0386	mg/L	0.00067	0.0386	mg/L	0.00067	1.74%
Zr 343.823†	-35.7	-0.0002	mg/L	0.00042	-0.0002	mg/L	0.00042	169.37%

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Batch ID: OPTIMA 3
Sequence No.: 21 **Autosampler Location: 46**
Sample ID: 24L0240-01 **Date Collected: 1/4/2025 2:02:10 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample): 220

Mean Data: 24L0240-01

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	116592.3	94.5	%	1.11	94.5	%	1.11	1.17%
Y axial	1894420.9	92.4	%	1.09	92.4	%	1.09	1.18%
Ag 328.068†	-42.3	-0.0007	mg/L	0.00041	-0.0007	mg/L	0.00041	58.81%
Al 396.153†	333.8	0.0852	mg/L	0.01076	0.0852	mg/L	0.01076	12.63%
As 188.979†	8.3	0.0068	mg/L	0.00090	0.0068	mg/L	0.00090	13.19%
B 208.889†	833.0	0.1291	mg/L	0.00120	0.1291	mg/L	0.00120	0.93%
Ba 233.527†	153.3	0.0795	mg/L	0.00182	0.0795	mg/L	0.00182	2.29%
Be 313.107†	50.0	0.0002	mg/L	0.00002	0.0002	mg/L	0.00002	7.39%
Ca 317.933†	302489.5	85.90	mg/L	0.109	85.90	mg/L	0.109	0.13%
Cd 228.802†	8.2	0.0003	mg/L	0.00013	0.0003	mg/L	0.00013	45.54%
Co 228.616†	31.2	0.0013	mg/L	0.00037	0.0013	mg/L	0.00037	29.04%
Cr 267.716†	28.9	0.0007	mg/L	0.00009	0.0007	mg/L	0.00009	13.35%

Cu 327.393†	1201.3	0.0109	mg/L	0.00031	0.0109	mg/L	0.00031 2.86%
Fe 238.204†	1143.6	0.5990	mg/L	0.00524	0.5990	mg/L	0.00524 0.87%
K 766.490†	8558.5	3.496	mg/L	0.0489	3.496	mg/L	0.0489 1.40%
Mg 285.213†	309526.7	41.66	mg/L	0.021	41.66	mg/L	0.021 0.05%
Mn 257.610†	2492.8	0.1829	mg/L	0.00242	0.1829	mg/L	0.00242 1.32%
Mo 202.031†	60.5	0.0045	mg/L	0.00031	0.0045	mg/L	0.00031 6.97%
Na 589.592†	378154.7	31.06	mg/L	0.203	31.06	mg/L	0.203 0.65%
Ni 231.604†	28.2	0.0013	mg/L	0.00004	0.0013	mg/L	0.00004 2.69%
Pb 220.353†	4.9	0.0020	mg/L	0.00254	0.0020	mg/L	0.00254 127.82%
Sb 206.836†	3.8	-0.0003	mg/L	0.00356	-0.0003	mg/L	0.00356 >999.9%
Se 196.026†	-20.7	-0.0175	mg/L	0.00445	-0.0175	mg/L	0.00445 25.45%
Sn 189.927†	-1133.2	-0.2241	mg/L	0.00187	-0.2241	mg/L	0.00187 0.83%
Ti 337.279†	9.7	0.0007	mg/L	0.00073	0.0007	mg/L	0.00073 102.85%
Tl 351.924†	-31.1	-0.0105	mg/L	0.00114	-0.0105	mg/L	0.00114 10.91%
V 290.880†	223.9	0.0045	mg/L	0.00134	0.0045	mg/L	0.00134 29.87%
Zn 206.200†	248.2	0.0172	mg/L	0.00041	0.0172	mg/L	0.00041 2.38%
Zr 343.823†	-103.4	-0.0007	mg/L	0.00010	-0.0007	mg/L	0.00010 13.94%

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Batch ID: OPTIMA 3
Sequence No.: 22 **Autosampler Location: 47**
Sample ID: 24L0240-02 **Date Collected: 1/4/2025 2:10:03 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample): 220

Mean Data: 24L0240-02

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	116173.4	94.1	%	0.46	94.1	%	0.46	0.49%
Y axial	1848874.2	90.2	%	1.06	90.2	%	1.06	1.17%
Ag 328.068†	-69.1	-0.0012	mg/L	0.00031	-0.0012	mg/L	0.00031	26.19%
Al 396.153†	1066.5	0.2846	mg/L	0.01780	0.2846	mg/L	0.01780	6.25%
As 188.979†	10.4	0.0090	mg/L	0.00288	0.0090	mg/L	0.00288	32.07%
B 208.889†	464.6	0.0720	mg/L	0.00070	0.0720	mg/L	0.00070	0.97%
Ba 233.527†	135.7	0.0704	mg/L	0.00438	0.0704	mg/L	0.00438	6.22%
Be 313.107†	37.9	0.0002	mg/L	0.00005	0.0002	mg/L	0.00005	26.38%
Ca 317.933†	471718.7	134.0	mg/L	0.35	134.0	mg/L	0.35	0.26%
Cd 228.802†	10.8	0.0004	mg/L	0.00023	0.0004	mg/L	0.00023	63.57%
Co 228.616†	46.1	0.0019	mg/L	0.00009	0.0019	mg/L	0.00009	4.99%
Cr 267.716†	68.1	0.0015	mg/L	0.00015	0.0015	mg/L	0.00015	9.86%
Cu 327.393†	1208.0	0.0109	mg/L	0.00064	0.0109	mg/L	0.00064	5.87%
Fe 238.204†	478.6	0.2507	mg/L	0.00104	0.2507	mg/L	0.00104	0.42%
K 766.490†	3650.6	1.491	mg/L	0.0171	1.491	mg/L	0.0171	1.15%
Mg 285.213†	310591.7	41.79	mg/L	0.125	41.79	mg/L	0.125	0.30%
Mn 257.610†	10207.1	0.7489	mg/L	0.00436	0.7489	mg/L	0.00436	0.58%
Mo 202.031†	52.3	0.0039	mg/L	0.00053	0.0039	mg/L	0.00053	13.64%
Na 589.592†	647262.6	53.17	mg/L	0.180	53.17	mg/L	0.180	0.34%
Ni 231.604†	105.2	0.0050	mg/L	0.00023	0.0050	mg/L	0.00023	4.62%
Pb 220.353†	11.3	0.0047	mg/L	0.00111	0.0047	mg/L	0.00111	23.59%
Sb 206.836†	7.1	0.0015	mg/L	0.00155	0.0015	mg/L	0.00155	100.77%
Se 196.026†	-28.6	-0.0259	mg/L	0.00185	-0.0259	mg/L	0.00185	7.16%
Sn 189.927†	-1160.2	-0.2316	mg/L	0.00350	-0.2316	mg/L	0.00350	1.51%
Ti 337.279†	88.7	0.0065	mg/L	0.00043	0.0065	mg/L	0.00043	6.59%
Tl 351.924†	-4.9	-0.0016	mg/L	0.00241	-0.0016	mg/L	0.00241	147.63%
V 290.880†	222.0	0.0044	mg/L	0.00060	0.0044	mg/L	0.00060	13.48%
Zn 206.200†	283.6	0.0196	mg/L	0.00055	0.0196	mg/L	0.00055	2.82%
Zr 343.823†	57.9	0.0004	mg/L	0.00011	0.0004	mg/L	0.00011	27.27%

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Batch ID: OPTIMA 3
Sequence No.: 23 **Autosampler Location: 5**
Sample ID: SEQ-CCV@ 23IJ0975 **Date Collected: 1/4/2025 2:17:57 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample): 220

Mean Data: SEQ-CCV@ 23IJ0975

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y radial	119370.8	96.7	%	2.74	96.7	%	2.74	2.83%
Y axial	1963212.8	95.8	%	1.24	95.8	%	1.24	1.30%
Ag 328.068†	142929.6	2.441	mg/L	0.0822	2.441	mg/L	0.0822	3.37%
QC value within limits for Ag 328.068 Recovery = 97.66%								
Al 396.153†	37107.2	10.04	mg/L	0.042	10.04	mg/L	0.042	0.41%
QC value within limits for Al 396.153 Recovery = 100.41%								
As 188.979†	4729.8	4.968	mg/L	0.0502	4.968	mg/L	0.0502	1.01%
QC value within limits for As 188.979 Recovery = 99.36%								
B 208.889†	32516.3	4.826	mg/L	0.0371	4.826	mg/L	0.0371	0.77%
QC value within limits for B 208.889 Recovery = 96.52%								
Ba 233.527†	9423.8	4.888	mg/L	0.0334	4.888	mg/L	0.0334	0.68%
QC value within limits for Ba 233.527 Recovery = 97.76%								
Be 313.107†	1009457.5	5.087	mg/L	0.0108	5.087	mg/L	0.0108	0.21%
QC value within limits for Be 313.107 Recovery = 101.73%								
Ca 317.933†	34891.5	9.908	mg/L	0.1617	9.908	mg/L	0.1617	1.63%
QC value within limits for Ca 317.933 Recovery = 99.08%								
Cd 228.802†	127955.7	5.091	mg/L	0.0123	5.091	mg/L	0.0123	0.24%
QC value within limits for Cd 228.802 Recovery = 101.82%								
Co 228.616†	122661.6	5.080	mg/L	0.0272	5.080	mg/L	0.0272	0.54%
QC value within limits for Co 228.616 Recovery = 101.61%								
Cr 267.716†	203228.8	5.075	mg/L	0.0118	5.075	mg/L	0.0118	0.23%
QC value within limits for Cr 267.716 Recovery = 101.50%								
Cu 327.393†	560754.9	5.078	mg/L	0.0140	5.078	mg/L	0.0140	0.28%
QC value within limits for Cu 327.393 Recovery = 101.57%								
Fe 238.204†	9271.1	4.974	mg/L	0.0842	4.974	mg/L	0.0842	1.69%
QC value within limits for Fe 238.204 Recovery = 99.48%								
K 766.490†	24594.7	10.05	mg/L	0.159	10.05	mg/L	0.159	1.58%
QC value within limits for K 766.490 Recovery = 100.47%								
Mg 285.213†	74242.2	9.947	mg/L	0.1718	9.947	mg/L	0.1718	1.73%
QC value within limits for Mg 285.213 Recovery = 99.47%								
Mn 257.610†	68022.6	4.991	mg/L	0.0913	4.991	mg/L	0.0913	1.83%
QC value within limits for Mn 257.610 Recovery = 99.83%								
Mo 202.031†	68722.2	5.067	mg/L	0.0073	5.067	mg/L	0.0073	0.14%
QC value within limits for Mo 202.031 Recovery = 101.35%								
Na 589.592†	122920.9	10.10	mg/L	0.021	10.10	mg/L	0.021	0.21%
QC value within limits for Na 589.592 Recovery = 100.97%								
Ni 231.604†	105667.7	5.069	mg/L	0.0289	5.069	mg/L	0.0289	0.57%
QC value within limits for Ni 231.604 Recovery = 101.37%								
Pb 220.353†	11653.9	4.916	mg/L	0.0490	4.916	mg/L	0.0490	1.00%
QC value within limits for Pb 220.353 Recovery = 98.32%								
Sb 206.836†	8865.8	4.956	mg/L	0.0495	4.956	mg/L	0.0495	1.00%
QC value within limits for Sb 206.836 Recovery = 99.11%								
Se 196.026†	7422.7	4.954	mg/L	0.0301	4.954	mg/L	0.0301	0.61%
QC value within limits for Se 196.026 Recovery = 99.09%								
Sn 189.927†	17172.3	4.990	mg/L	0.0490	4.990	mg/L	0.0490	0.98%
QC value within limits for Sn 189.927 Recovery = 99.80%								
Ti 337.279†	68035.8	4.990	mg/L	0.0817	4.990	mg/L	0.0817	1.64%
QC value within limits for Ti 337.279 Recovery = 99.79%								
Tl 351.924†	7438.0	2.647	mg/L	0.0207	2.647	mg/L	0.0207	0.78%
QC value within limits for Tl 351.924 Recovery = 105.86%								
V 290.880†	259841.8	5.236	mg/L	0.0209	5.236	mg/L	0.0209	0.40%
QC value within limits for V 290.880 Recovery = 104.72%								
Zn 206.200†	74040.7	5.123	mg/L	0.0227	5.123	mg/L	0.0227	0.44%
QC value within limits for Zn 206.200 Recovery = 102.46%								
Zr 343.823†	718926.3	5.000	mg/L	0.0209	5.000	mg/L	0.0209	0.42%

All analyte(s) passed QC.

Batch ID: OPTIMA 3
Sequence No.: 24
Sample ID: SEQ-CCB@ 23J0970
Analyst:
Initial Sample Wt:
Dilution:
Rinse Time (before sample): 220

Autosampler Location: 1
Date Collected: 1/4/2025 2:24:49 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: SEQ-CCB@ 23J0970

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y radial	119753.3	97.0	%	1.39	97.0	%	1.39	1.44%
Y axial	1959138.6	95.6	%	0.82	95.6	%	0.82	0.86%
Ag 328.068†	15.5	0.0003	mg/L	0.00041	0.0003	mg/L	0.00041	152.32%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	18.7	0.0052	mg/L	0.00124	0.0052	mg/L	0.00124	23.82%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	2.1	0.0022	mg/L	0.00117	0.0022	mg/L	0.00117	52.54%
QC value within limits for As 188.979 Recovery = Not calculated								
B 208.889†	173.4	0.0269	mg/L	0.00056	0.0269	mg/L	0.00056	2.08%
QC value within limits for B 208.889 Recovery = Not calculated								
Ba 233.527†	-0.0	-0.0000	mg/L	0.00087	-0.0000	mg/L	0.00087	>999.9%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	18.3	0.0001	mg/L	0.00006	0.0001	mg/L	0.00006	69.21%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 317.933†	-2.0	-0.0006	mg/L	0.00140	-0.0006	mg/L	0.00140	251.32%
QC value within limits for Ca 317.933 Recovery = Not calculated								
Cd 228.802†	9.9	0.0004	mg/L	0.00006	0.0004	mg/L	0.00006	15.50%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	-5.4	-0.0002	mg/L	0.00024	-0.0002	mg/L	0.00024	108.17%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	17.0	0.0004	mg/L	0.00022	0.0004	mg/L	0.00022	51.72%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	57.3	0.0005	mg/L	0.00035	0.0005	mg/L	0.00035	68.48%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 238.204†	-9.4	-0.0049	mg/L	0.00098	-0.0049	mg/L	0.00098	19.94%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490†	-72.4	-0.0296	mg/L	0.01666	-0.0296	mg/L	0.01666	56.35%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213†	-5.7	-0.0008	mg/L	0.00154	-0.0008	mg/L	0.00154	199.15%
QC value within limits for Mg 285.213 Recovery = Not calculated								
Mn 257.610†	5.8	0.0004	mg/L	0.00047	0.0004	mg/L	0.00047	109.73%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-4.7	-0.0004	mg/L	0.00028	-0.0004	mg/L	0.00028	80.66%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	248.3	0.0204	mg/L	0.00746	0.0204	mg/L	0.00746	36.57%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	1.1	0.0001	mg/L	0.00040	0.0001	mg/L	0.00040	740.76%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	3.7	0.0016	mg/L	0.00299	0.0016	mg/L	0.00299	189.98%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	0.6	0.0003	mg/L	0.00255	0.0003	mg/L	0.00255	826.72%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	4.1	0.0027	mg/L	0.00547	0.0027	mg/L	0.00547	201.36%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	-3.8	-0.0011	mg/L	0.00101	-0.0011	mg/L	0.00101	91.86%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 337.279†	-2.3	-0.0002	mg/L	0.00078	-0.0002	mg/L	0.00078	466.84%
QC value within limits for Ti 337.279 Recovery = Not calculated								
Tl 351.924†	-30.1	-0.0102	mg/L	0.00929	-0.0102	mg/L	0.00929	90.86%
QC value within limits for Tl 351.924 Recovery = Not calculated								
V 290.880†	92.1	0.0018	mg/L	0.00120	0.0018	mg/L	0.00120	68.13%
QC value within limits for V 290.880 Recovery = Not calculated								
Zn 206.200†	-22.8	-0.0016	mg/L	0.00002	-0.0016	mg/L	0.00002	1.42%
QC value within limits for Zn 206.200 Recovery = Not calculated								
Zr 343.823†	37.7	0.0003	mg/L	0.00010	0.0003	mg/L	0.00010	37.31%

All analyte(s) passed QC.
User canceled analysis.

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Analysis Begun

Start Time: 1/4/2025 2:30:11 PM **Plasma On Time: 1/4/2025 7:01:26 AM**
Originator: Optima8300 **Technique: ICP Continuous**
Spectrometer: Optima 8300 , S/N 078S1703073 **Autosampler: S10**

Sample Information File: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Sample Information\ 0104A25.sifx
Results Data Set: 0104A25
Results Library: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Results\Results.mdb

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Batch ID: OPTIMA 3
Sequence No.: 1 **Autosampler Location: 8**
Sample ID: SEQ-ICV@ 23I0972 **Date Collected: 1/4/2025 2:30:22 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample):
User canceled analysis.

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Analysis Begun

Start Time: 1/4/2025 2:30:47 PM **Plasma On Time: 1/4/2025 7:01:26 AM**
Originator: Optima8300 **Technique: ICP Continuous**
Spectrometer: Optima 8300 , S/N 078S1703073 **Autosampler: S10**

Sample Information File: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Sample Information\ 0104A25.sifx
Results Data Set: 0104A25
Results Library: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Results\Results.mdb

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Batch ID: OPTIMA 3
Sequence No.: 25 **Autosampler Location: 48**
Sample ID: 24L0240-03 **Date Collected: 1/4/2025 2:30:48 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample):

Mean Data: 24L0240-03

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y radial	115681.5	93.7	%	1.84	93.7	%	1.84	1.96%
Y axial	1898227.0	92.6	%	0.99	92.6	%	0.99	1.07%
Ag 328.068†	-60.8	-0.0010	mg/L	0.00123	-0.0010	mg/L	0.00123	117.09%
Al 396.153†	165.4	0.0369	mg/L	0.01295	0.0369	mg/L	0.01295	35.08%
As 188.979†	8.8	0.0073	mg/L	0.00279	0.0073	mg/L	0.00279	38.31%
B 208.889†	476.7	0.0739	mg/L	0.00291	0.0739	mg/L	0.00291	3.93%
Ba 233.527†	175.9	0.0913	mg/L	0.00170	0.0913	mg/L	0.00170	1.87%
Be 313.107†	43.6	0.0002	mg/L	0.00003	0.0002	mg/L	0.00003	16.81%
Ca 317.933†	362669.7	103.0	mg/L	0.32	103.0	mg/L	0.32	0.31%
Cd 228.802†	14.8	0.0005	mg/L	0.00030	0.0005	mg/L	0.00030	56.63%
Co 228.616†	-3.7	-0.0002	mg/L	0.00011	-0.0002	mg/L	0.00011	64.55%
Cr 267.716†	44.2	0.0011	mg/L	0.00023	0.0011	mg/L	0.00023	20.94%
Cu 327.393†	1268.6	0.0115	mg/L	0.00050	0.0115	mg/L	0.00050	4.36%
Fe 238.204†	14.3	0.0075	mg/L	0.00113	0.0075	mg/L	0.00113	15.11%
K 766.490†	3094.9	1.264	mg/L	0.0286	1.264	mg/L	0.0286	2.26%
Mg 285.213†	300020.8	40.37	mg/L	0.084	40.37	mg/L	0.084	0.21%
Mn 257.610†	135.6	0.0099	mg/L	0.00025	0.0099	mg/L	0.00025	2.49%
Mo 202.031†	35.5	0.0026	mg/L	0.00072	0.0026	mg/L	0.00072	27.52%
Na 589.592†	236460.9	19.42	mg/L	0.039	19.42	mg/L	0.039	0.20%
Ni 231.604†	21.7	0.0010	mg/L	0.00027	0.0010	mg/L	0.00027	25.66%
Pb 220.353†	9.2	0.0039	mg/L	0.00191	0.0039	mg/L	0.00191	49.47%
Sb 206.836†	3.2	-0.0005	mg/L	0.00316	-0.0005	mg/L	0.00316	580.18%

Se 196.026†	-16.9	-0.0164	mg/L	0.00297	-0.0164	mg/L	0.00297 18.06%
Sn 189.927†	-1100.9	-0.2180	mg/L	0.00662	-0.2180	mg/L	0.00662 3.04%
Ti 337.279†	-3.2	-0.0002	mg/L	0.00015	-0.0002	mg/L	0.00015 64.52%
Tl 351.924†	-1.4	-0.0005	mg/L	0.00248	-0.0005	mg/L	0.00248 522.74%
V 290.880†	223.6	0.0044	mg/L	0.00058	0.0044	mg/L	0.00058 13.23%
Zn 206.200†	254.8	0.0175	mg/L	0.00052	0.0175	mg/L	0.00052 2.98%
Zr 343.823†	-12.7	-0.0001	mg/L	0.00010	-0.0001	mg/L	0.00010 118.60%

Batch ID: OPTIMA 3
Sequence No.: 26
Sample ID: 24L0240-04
Analyst:
Initial Sample Wt:
Dilution:
Rinse Time (before sample): 220

Autosampler Location: 49
Date Collected: 1/4/2025 2:38:44 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 24L0240-04

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	116439.2	94.3	%	1.74	94.3	%	1.74	1.85%
Y axial	1901490.6	92.8	%	0.50	92.8	%	0.50	0.54%
Ag 328.068†	-27.1	-0.0005	mg/L	0.00043	-0.0005	mg/L	0.00043	93.16%
Al 396.153†	686.5	0.1800	mg/L	0.01112	0.1800	mg/L	0.01112	6.18%
As 188.979†	3.0	0.0016	mg/L	0.00110	0.0016	mg/L	0.00110	70.24%
B 208.889†	299.9	0.0464	mg/L	0.00018	0.0464	mg/L	0.00018	0.40%
Ba 233.527†	148.8	0.0772	mg/L	0.00129	0.0772	mg/L	0.00129	1.68%
Be 313.107†	34.6	0.0002	mg/L	0.00005	0.0002	mg/L	0.00005	33.63%
Ca 317.933†	429042.0	121.8	mg/L	0.22	121.8	mg/L	0.22	0.18%
Cd 228.802†	9.5	0.0004	mg/L	0.00016	0.0004	mg/L	0.00016	44.01%
Co 228.616†	4.9	0.0002	mg/L	0.00005	0.0002	mg/L	0.00005	29.50%
Cr 267.716†	49.8	0.0012	mg/L	0.00053	0.0012	mg/L	0.00053	44.26%
Cu 327.393†	1157.2	0.0105	mg/L	0.00084	0.0105	mg/L	0.00084	7.99%
Fe 238.204†	335.5	0.1757	mg/L	0.00362	0.1757	mg/L	0.00362	2.06%
K 766.490†	4100.6	1.675	mg/L	0.0142	1.675	mg/L	0.0142	0.85%
Mg 285.213†	260976.7	35.11	mg/L	0.031	35.11	mg/L	0.031	0.09%
Mn 257.610†	2857.1	0.2096	mg/L	0.00301	0.2096	mg/L	0.00301	1.43%
Mo 202.031†	61.5	0.0045	mg/L	0.00040	0.0045	mg/L	0.00040	8.90%
Na 589.592†	103428.0	8.495	mg/L	0.0393	8.495	mg/L	0.0393	0.46%
Ni 231.604†	28.0	0.0013	mg/L	0.00040	0.0013	mg/L	0.00040	30.08%
Pb 220.353†	9.3	0.0039	mg/L	0.00236	0.0039	mg/L	0.00236	60.16%
Sb 206.836†	1.6	-0.0012	mg/L	0.00356	-0.0012	mg/L	0.00356	287.18%
Se 196.026†	-18.7	-0.0184	mg/L	0.00605	-0.0184	mg/L	0.00605	32.82%
Sn 189.927†	-1021.0	-0.2080	mg/L	0.00205	-0.2080	mg/L	0.00205	0.98%
Ti 337.279†	72.9	0.0053	mg/L	0.00030	0.0053	mg/L	0.00030	5.54%
Tl 351.924†	-1.6	-0.0005	mg/L	0.00243	-0.0005	mg/L	0.00243	471.99%
V 290.880†	247.9	0.0050	mg/L	0.00162	0.0050	mg/L	0.00162	32.73%
Zn 206.200†	250.0	0.0173	mg/L	0.00001	0.0173	mg/L	0.00001	0.09%
Zr 343.823†	59.1	0.0004	mg/L	0.00012	0.0004	mg/L	0.00012	28.67%

Batch ID: OPTIMA 3
Sequence No.: 27
Sample ID: ~~24L2040-06~~
Analyst:
Initial Sample Wt:
Dilution:
Rinse Time (before sample): 220

TYPO: 24L0240-06
NC 1/6/25

Autosampler Location: 50
Date Collected: 1/4/2025 2:46:33 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ~~24L2040-06~~

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	115892.4	93.9	%	0.57	93.9	%	0.57	0.61%
Y axial	1912335.4	93.3	%	1.08	93.3	%	1.08	1.15%
Ag 328.068†	-44.4	-0.0005	mg/L	0.00047	-0.0005	mg/L	0.00047	91.48%
Al 396.153†	202.5	0.0447	mg/L	0.00390	0.0447	mg/L	0.00390	8.73%
As 188.979†	8.7	0.0082	mg/L	0.00304	0.0082	mg/L	0.00304	37.29%
B 208.889†	404.8	0.0627	mg/L	0.00235	0.0627	mg/L	0.00235	3.74%

Ba 233.527†	232.0	0.1204	mg/L	0.00176	0.1204	mg/L	0.00176 1.47%
Be 313.107†	39.6	0.0002	mg/L	0.00006	0.0002	mg/L	0.00006 30.04%
Ca 317.933†	488673.9	138.8	mg/L	0.93	138.8	mg/L	0.93 0.67%
Cd 228.802†	3.5	0.0001	mg/L	0.00009	0.0001	mg/L	0.00009 104.35%
Co 228.616†	6.2	0.0002	mg/L	0.00009	0.0002	mg/L	0.00009 40.53%
Cr 267.716†	33.6	0.0010	mg/L	0.00029	0.0010	mg/L	0.00029 28.26%
Cu 327.393†	1018.4	0.0095	mg/L	0.00039	0.0095	mg/L	0.00039 4.08%
Fe 238.204†	13257.5	6.944	mg/L	0.1003	6.944	mg/L	0.1003 1.44%
K 766.490†	12601.9	5.148	mg/L	0.0793	5.148	mg/L	0.0793 1.54%
Mg 285.213†	231724.9	31.17	mg/L	0.164	31.17	mg/L	0.164 0.53%
Mn 257.610†	3715.3	0.2727	mg/L	0.00560	0.2727	mg/L	0.00560 2.05%
Mo 202.031†	38.0	0.0034	mg/L	0.00068	0.0034	mg/L	0.00068 20.23%
Na 589.592†	363131.1	29.83	mg/L	0.295	29.83	mg/L	0.295 0.99%
Ni 231.604†	33.4	0.0016	mg/L	0.00028	0.0016	mg/L	0.00028 17.98%
Pb 220.353†	13.3	0.0048	mg/L	0.00200	0.0048	mg/L	0.00200 41.57%
Sb 206.836†	0.9	-0.0014	mg/L	0.00031	-0.0014	mg/L	0.00031 21.88%
Se 196.026†	-32.5	-0.0206	mg/L	0.00662	-0.0206	mg/L	0.00662 32.13%
Sn 189.927†	-924.1	-0.1897	mg/L	0.00519	-0.1897	mg/L	0.00519 2.74%
Ti 337.279†	1.3	0.0001	mg/L	0.00007	0.0001	mg/L	0.00007 72.44%
Tl 351.924†	-6.6	-0.0011	mg/L	0.00273	-0.0011	mg/L	0.00273 250.43%
V 290.880†	205.7	0.0038	mg/L	0.00069	0.0038	mg/L	0.00069 18.26%
Zn 206.200†	251.8	0.0178	mg/L	0.00095	0.0178	mg/L	0.00095 5.31%
Zr 343.823†	14.8	-0.0002	mg/L	0.00017	-0.0002	mg/L	0.00017 109.16%

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Batch ID: OPTIMA 3
Sequence No.: 28 **Autosampler Location: 51**
Sample ID: 24L0442-02 **Date Collected: 1/4/2025 2:54:26 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample): 220

Mean Data: 24L0442-02

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	117928.5	95.6	%	2.08	95.6	%	2.08	2.18%
Y axial	1924559.9	93.9	%	0.40	93.9	%	0.40	0.43%
Ag 328.068†	-22.6	-0.0004	mg/L	0.00065	-0.0004	mg/L	0.00065	168.21%
Al 396.153†	77.1	0.0205	mg/L	0.01016	0.0205	mg/L	0.01016	49.52%
As 188.979†	1.1	0.0009	mg/L	0.00178	0.0009	mg/L	0.00178	201.17%
B 208.889†	1116.4	0.1733	mg/L	0.00053	0.1733	mg/L	0.00053	0.31%
Ba 233.527†	154.8	0.0803	mg/L	0.00059	0.0803	mg/L	0.00059	0.74%
Be 313.107†	79.0	0.0004	mg/L	0.00002	0.0004	mg/L	0.00002	5.78%
Ca 317.933†	36241.1	10.29	mg/L	0.020	10.29	mg/L	0.020	0.19%
Cd 228.802†	12.1	0.0005	mg/L	0.00021	0.0005	mg/L	0.00021	43.50%
Co 228.616†	105.5	0.0044	mg/L	0.00024	0.0044	mg/L	0.00024	5.42%
Cr 267.716†	28.1	0.0007	mg/L	0.00013	0.0007	mg/L	0.00013	19.08%
Cu 327.393†	4834.7	0.0436	mg/L	0.00034	0.0436	mg/L	0.00034	0.79%
Fe 238.204†	80.5	0.0422	mg/L	0.00116	0.0422	mg/L	0.00116	2.74%
K 766.490†	23123.2	9.446	mg/L	0.0435	9.446	mg/L	0.0435	0.46%
Mg 285.213†	45882.9	6.176	mg/L	0.0066	6.176	mg/L	0.0066	0.11%
Mn 257.610†	2022.0	0.1483	mg/L	0.00370	0.1483	mg/L	0.00370	2.50%
Mo 202.031†	4.5	0.0003	mg/L	0.00052	0.0003	mg/L	0.00052	156.46%
Na 589.592†	921179.1	75.66	mg/L	2.163	75.66	mg/L	2.163	2.86%
Ni 231.604†	155.1	0.0074	mg/L	0.00005	0.0074	mg/L	0.00005	0.68%
Pb 220.353†	9.6	0.0040	mg/L	0.00104	0.0040	mg/L	0.00104	25.95%
Sb 206.836†	4.8	0.0022	mg/L	0.00191	0.0022	mg/L	0.00191	86.93%
Se 196.026†	-1.8	-0.0017	mg/L	0.00349	-0.0017	mg/L	0.00349	202.52%
Sn 189.927†	-234.9	-0.0526	mg/L	0.00227	-0.0526	mg/L	0.00227	4.32%
Ti 337.279†	-2.8	-0.0002	mg/L	0.00029	-0.0002	mg/L	0.00029	142.52%
Tl 351.924†	-15.0	-0.0051	mg/L	0.01226	-0.0051	mg/L	0.01226	241.39%
V 290.880†	130.0	0.0025	mg/L	0.00016	0.0025	mg/L	0.00016	6.34%
Zn 206.200†	481.9	0.0335	mg/L	0.00069	0.0335	mg/L	0.00069	2.07%
Zr 343.823†	13.5	0.0001	mg/L	0.00013	0.0001	mg/L	0.00013	136.34%

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Batch ID: OPTIMA 3
Sequence No.: 29 **Autosampler Location: 52**

Sample ID: 24L0442-05 **Date Collected: 1/4/2025 3:02:20 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample): 220

Mean Data: 24L0442-05

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y radial	119116.8	96.5	%	0.34	96.5	%	0.34	0.35%
Y axial	1930008.2	94.2	%	0.77	94.2	%	0.77	0.82%
Ag 328.068†	-8.3	-0.0001	mg/L	0.00077	-0.0001	mg/L	0.00077	557.96%
Al 396.153†	50.0	0.0132	mg/L	0.00566	0.0132	mg/L	0.00566	42.79%
As 188.979†	5.0	0.0049	mg/L	0.00226	0.0049	mg/L	0.00226	45.63%
B 208.889†	1524.2	0.2366	mg/L	0.00344	0.2366	mg/L	0.00344	1.45%
Ba 233.527†	101.3	0.0526	mg/L	0.00075	0.0526	mg/L	0.00075	1.43%
Be 313.107†	42.0	0.0002	mg/L	0.00009	0.0002	mg/L	0.00009	43.89%
Ca 317.933†	27864.6	7.913	mg/L	0.0546	7.913	mg/L	0.0546	0.69%
Cd 228.802†	6.7	0.0002	mg/L	0.00009	0.0002	mg/L	0.00009	35.15%
Co 228.616†	101.0	0.0042	mg/L	0.00012	0.0042	mg/L	0.00012	2.80%
Cr 267.716†	60.7	0.0015	mg/L	0.00012	0.0015	mg/L	0.00012	8.43%
Cu 327.393†	3871.3	0.0349	mg/L	0.00130	0.0349	mg/L	0.00130	3.72%
Fe 238.204†	392.2	0.2055	mg/L	0.00383	0.2055	mg/L	0.00383	1.87%
K 766.490†	32728.2	13.37	mg/L	0.078	13.37	mg/L	0.078	0.59%
Mg 285.213†	42443.3	5.714	mg/L	0.1219	5.714	mg/L	0.1219	2.13%
Mn 257.610†	2669.9	0.1959	mg/L	0.00072	0.1959	mg/L	0.00072	0.37%
Mo 202.031†	5.2	0.0004	mg/L	0.00040	0.0004	mg/L	0.00040	100.57%
Na 589.592†	1059392.4	87.02	mg/L	1.265	87.02	mg/L	1.265	1.45%
Ni 231.604†	121.9	0.0058	mg/L	0.00035	0.0058	mg/L	0.00035	5.93%
Pb 220.353†	21.6	0.0090	mg/L	0.00135	0.0090	mg/L	0.00135	14.96%
Sb 206.836†	1.5	0.0004	mg/L	0.00231	0.0004	mg/L	0.00231	640.44%
Se 196.026†	2.6	0.0015	mg/L	0.00141	0.0015	mg/L	0.00141	96.69%
Sn 189.927†	-222.1	-0.0501	mg/L	0.00302	-0.0501	mg/L	0.00302	6.03%
Ti 337.279†	1.7	0.0001	mg/L	0.00063	0.0001	mg/L	0.00063	495.97%
Tl 351.924†	-38.6	-0.0131	mg/L	0.00482	-0.0131	mg/L	0.00482	36.90%
V 290.880†	187.2	0.0036	mg/L	0.00091	0.0036	mg/L	0.00091	25.08%
Zn 206.200†	353.8	0.0249	mg/L	0.00065	0.0249	mg/L	0.00065	2.61%
Zr 343.823†	48.8	0.0003	mg/L	0.00010	0.0003	mg/L	0.00010	31.54%

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Batch ID: OPTIMA 3
Sequence No.: 30 **Autosampler Location: 53**
Sample ID: 24L0442-07 **Date Collected: 1/4/2025 3:10:14 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample): 220

Mean Data: 24L0442-07

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y radial	117993.9	95.6	%	2.09	95.6	%	2.09	2.18%
Y axial	1929579.0	94.2	%	0.65	94.2	%	0.65	0.69%
Ag 328.068†	-42.4	-0.0007	mg/L	0.00045	-0.0007	mg/L	0.00045	61.63%
Al 396.153†	111.7	0.0301	mg/L	0.00525	0.0301	mg/L	0.00525	17.45%
As 188.979†	3.7	0.0036	mg/L	0.00270	0.0036	mg/L	0.00270	75.98%
B 208.889†	975.6	0.1515	mg/L	0.00119	0.1515	mg/L	0.00119	0.79%
Ba 233.527†	150.9	0.0783	mg/L	0.00186	0.0783	mg/L	0.00186	2.37%
Be 313.107†	61.9	0.0003	mg/L	0.00008	0.0003	mg/L	0.00008	26.79%
Ca 317.933†	37938.5	10.77	mg/L	0.013	10.77	mg/L	0.013	0.12%
Cd 228.802†	6.3	0.0002	mg/L	0.00008	0.0002	mg/L	0.00008	31.61%
Co 228.616†	65.5	0.0027	mg/L	0.00010	0.0027	mg/L	0.00010	3.55%
Cr 267.716†	35.9	0.0009	mg/L	0.00019	0.0009	mg/L	0.00019	21.44%
Cu 327.393†	2014.0	0.0182	mg/L	0.00062	0.0182	mg/L	0.00062	3.40%
Fe 238.204†	105.8	0.0555	mg/L	0.00038	0.0555	mg/L	0.00038	0.68%
K 766.490†	21304.0	8.703	mg/L	0.0317	8.703	mg/L	0.0317	0.36%
Mg 285.213†	47546.0	6.400	mg/L	0.0308	6.400	mg/L	0.0308	0.48%
Mn 257.610†	1127.9	0.0828	mg/L	0.00189	0.0828	mg/L	0.00189	2.28%

Mo 202.031†	3.4	0.0003	mg/L	0.00047	0.0003	mg/L	0.00047 182.91%
Na 589.592†	831014.6	68.26	mg/L	1.697	68.26	mg/L	1.697 2.49%
Ni 231.604†	145.2	0.0070	mg/L	0.00010	0.0070	mg/L	0.00010 1.50%
Pb 220.353†	12.1	0.0051	mg/L	0.00089	0.0051	mg/L	0.00089 17.59%
Sb 206.836†	-0.5	-0.0008	mg/L	0.00215	-0.0008	mg/L	0.00215 262.73%
Se 196.026†	-1.3	-0.0014	mg/L	0.00356	-0.0014	mg/L	0.00356 263.32%
Sn 189.927†	-253.1	-0.0573	mg/L	0.00233	-0.0573	mg/L	0.00233 4.07%
Ti 337.279†	-8.7	-0.0006	mg/L	0.00067	-0.0006	mg/L	0.00067 105.64%
Tl 351.924†	3.5	0.0012	mg/L	0.00679	0.0012	mg/L	0.00679 570.19%
V 290.880†	140.5	0.0027	mg/L	0.00112	0.0027	mg/L	0.00112 40.96%
Zn 206.200†	466.8	0.0324	mg/L	0.00049	0.0324	mg/L	0.00049 1.52%
Zr 343.823†	10.3	0.0001	mg/L	0.00038	0.0001	mg/L	0.00038 554.39%

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Batch ID: OPTIMA 3
Sequence No.: 31 **Autosampler Location: 54**
Sample ID: 24L0442-08 **Date Collected: 1/4/2025 3:18:08 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample): 220

Mean Data: 24L0442-08

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	116523.9	94.4	%	1.11	94.4	%	1.11	1.18%
Y axial	1942555.6	94.8	%	0.57	94.8	%	0.57	0.60%
Ag 328.068†	-34.0	-0.0006	mg/L	0.00050	-0.0006	mg/L	0.00050	85.55%
Al 396.153†	133.6	0.0361	mg/L	0.01575	0.0361	mg/L	0.01575	43.63%
As 188.979†	-0.3	-0.0006	mg/L	0.00381	-0.0006	mg/L	0.00381	604.60%
B 208.889†	857.5	0.1331	mg/L	0.00144	0.1331	mg/L	0.00144	1.08%
Ba 233.527†	203.4	0.1055	mg/L	0.00018	0.1055	mg/L	0.00018	0.17%
Be 313.107†	102.6	0.0005	mg/L	0.00007	0.0005	mg/L	0.00007	13.08%
Ca 317.933†	41476.2	11.78	mg/L	0.030	11.78	mg/L	0.030	0.26%
Cd 228.802†	2.5	0.0001	mg/L	0.00016	0.0001	mg/L	0.00016	123.88%
Co 228.616†	157.2	0.0065	mg/L	0.00027	0.0065	mg/L	0.00027	4.21%
Cr 267.716†	49.1	0.0012	mg/L	0.00020	0.0012	mg/L	0.00020	16.68%
Cu 327.393†	2813.7	0.0254	mg/L	0.00107	0.0254	mg/L	0.00107	4.23%
Fe 238.204†	5.2	0.0029	mg/L	0.00268	0.0029	mg/L	0.00268	93.73%
K 766.490†	15467.9	6.319	mg/L	0.0449	6.319	mg/L	0.0449	0.71%
Mg 285.213†	46099.0	6.205	mg/L	0.0120	6.205	mg/L	0.0120	0.19%
Mn 257.610†	2297.8	0.1686	mg/L	0.00178	0.1686	mg/L	0.00178	1.06%
Mo 202.031†	3.5	0.0003	mg/L	0.00029	0.0003	mg/L	0.00029	113.10%
Na 589.592†	896326.2	73.62	mg/L	0.462	73.62	mg/L	0.462	0.63%
Ni 231.604†	190.0	0.0091	mg/L	0.00018	0.0091	mg/L	0.00018	1.94%
Pb 220.353†	7.5	0.0031	mg/L	0.00200	0.0031	mg/L	0.00200	63.72%
Sb 206.836†	-0.3	-0.0007	mg/L	0.00263	-0.0007	mg/L	0.00263	370.21%
Se 196.026†	-5.1	-0.0041	mg/L	0.00276	-0.0041	mg/L	0.00276	67.68%
Sn 189.927†	-249.4	-0.0567	mg/L	0.00039	-0.0567	mg/L	0.00039	0.68%
Ti 337.279†	-2.9	-0.0002	mg/L	0.00085	-0.0002	mg/L	0.00085	394.69%
Tl 351.924†	14.5	0.0049	mg/L	0.00500	0.0049	mg/L	0.00500	101.60%
V 290.880†	173.8	0.0034	mg/L	0.00067	0.0034	mg/L	0.00067	19.84%
Zn 206.200†	572.8	0.0396	mg/L	0.00069	0.0396	mg/L	0.00069	1.74%
Zr 343.823†	-5.0	-0.0000	mg/L	0.00047	-0.0000	mg/L	0.00047	>999.9%

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Batch ID: OPTIMA 3
Sequence No.: 32 **Autosampler Location: 55**
Sample ID: 24L1377-01 **Date Collected: 1/4/2025 3:26:02 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample): 220

Mean Data: 24L1377-01

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	119326.6	96.7	%	0.77	96.7	%	0.77	0.80%

Y axial	1930041.1	94.2	%	1.20	94.2	%	1.20	1.27%
Ag 328.068†	-27.9	-0.0005	mg/L	0.00049	-0.0005	mg/L	0.00049	102.07%
Al 396.153†	15014.8	4.171	mg/L	0.0648	4.171	mg/L	0.0648	1.55%
As 188.979†	5.8	0.0062	mg/L	0.00217	0.0062	mg/L	0.00217	35.30%
B 208.889†	933.5	0.1449	mg/L	0.00269	0.1449	mg/L	0.00269	1.86%
Ba 233.527†	92.2	0.0479	mg/L	0.00034	0.0479	mg/L	0.00034	0.71%
Be 313.107†	175.4	0.0009	mg/L	0.00001	0.0009	mg/L	0.00001	1.19%
Ca 317.933†	51475.4	14.62	mg/L	0.293	14.62	mg/L	0.293	2.00%
Cd 228.802†	4.3	0.0001	mg/L	0.00013	0.0001	mg/L	0.00013	97.56%
Co 228.616†	-9.5	-0.0004	mg/L	0.00037	-0.0004	mg/L	0.00037	89.16%
Cr 267.716†	666.3	0.0166	mg/L	0.00010	0.0166	mg/L	0.00010	0.60%
Cu 327.393†	1217.1	0.0110	mg/L	0.00010	0.0110	mg/L	0.00010	0.95%
Fe 238.204†	19.2	0.0099	mg/L	0.00258	0.0099	mg/L	0.00258	26.13%
K 766.490†	90087.6	36.80	mg/L	0.118	36.80	mg/L	0.118	0.32%
Mg 285.213†	55062.3	7.411	mg/L	0.1440	7.411	mg/L	0.1440	1.94%
Mn 257.610†	28.0	0.0021	mg/L	0.00031	0.0021	mg/L	0.00031	15.16%
Mo 202.031†	18.0	0.0013	mg/L	0.00046	0.0013	mg/L	0.00046	34.65%
Na 589.592†	229296.2	18.83	mg/L	0.058	18.83	mg/L	0.058	0.31%
Ni 231.604†	359.1	0.0172	mg/L	0.00061	0.0172	mg/L	0.00061	3.53%
Pb 220.353†	12.7	0.0059	mg/L	0.00113	0.0059	mg/L	0.00113	19.06%
Sb 206.836†	1.4	-0.0001	mg/L	0.00033	-0.0001	mg/L	0.00033	336.39%
Se 196.026†	-3.8	-0.0029	mg/L	0.00126	-0.0029	mg/L	0.00126	43.88%
Sn 189.927†	-296.3	-0.0673	mg/L	0.00103	-0.0673	mg/L	0.00103	1.53%
Ti 337.279†	-3.4	-0.0002	mg/L	0.00062	-0.0002	mg/L	0.00062	246.84%
Tl 351.924†	-31.2	-0.0105	mg/L	0.00638	-0.0105	mg/L	0.00638	60.69%
V 290.880†	450.9	0.0088	mg/L	0.00070	0.0088	mg/L	0.00070	7.89%
Zn 206.200†	2176.1	0.1514	mg/L	0.00162	0.1514	mg/L	0.00162	1.07%
Zr 343.823†	-2.6	-0.0000	mg/L	0.00012	-0.0000	mg/L	0.00012	640.31%

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Batch ID: OPTIMA 3
Sequence No.: 33 **Autosampler Location: 56**
Sample ID: 24L1377-02 **Date Collected: 1/4/2025 3:33:56 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample): 220

Mean Data: 24L1377-02

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	119117.9	96.5	%	0.52	96.5	%	0.52	0.54%
Y axial	1959786.7	95.6	%	0.35	95.6	%	0.35	0.37%
Ag 328.068†	-57.9	-0.0010	mg/L	0.00070	-0.0010	mg/L	0.00070	70.23%
Al 396.153†	670.4	0.1850	mg/L	0.00597	0.1850	mg/L	0.00597	3.23%
As 188.979†	3.0	0.0028	mg/L	0.00366	0.0028	mg/L	0.00366	130.56%
B 208.889†	493.4	0.0766	mg/L	0.00071	0.0766	mg/L	0.00071	0.93%
Ba 233.527†	142.5	0.0739	mg/L	0.00089	0.0739	mg/L	0.00089	1.20%
Be 313.107†	42.1	0.0002	mg/L	0.00003	0.0002	mg/L	0.00003	15.71%
Ca 317.933†	54555.5	15.49	mg/L	0.221	15.49	mg/L	0.221	1.42%
Cd 228.802†	0.7	0.0000	mg/L	0.00018	0.0000	mg/L	0.00018	>999.9%
Co 228.616†	-1.5	-0.0001	mg/L	0.00033	-0.0001	mg/L	0.00033	394.18%
Cr 267.716†	336.0	0.0084	mg/L	0.00012	0.0084	mg/L	0.00012	1.44%
Cu 327.393†	1032.4	0.0093	mg/L	0.00028	0.0093	mg/L	0.00028	2.99%
Fe 238.204†	79.4	0.0416	mg/L	0.00412	0.0416	mg/L	0.00412	9.92%
K 766.490†	12794.6	5.227	mg/L	0.0877	5.227	mg/L	0.0877	1.68%
Mg 285.213†	57913.5	7.794	mg/L	0.1552	7.794	mg/L	0.1552	1.99%
Mn 257.610†	93.0	0.0068	mg/L	0.00037	0.0068	mg/L	0.00037	5.47%
Mo 202.031†	7.2	0.0005	mg/L	0.00016	0.0005	mg/L	0.00016	30.32%
Na 589.592†	250542.2	20.58	mg/L	0.076	20.58	mg/L	0.076	0.37%
Ni 231.604†	85.4	0.0041	mg/L	0.00016	0.0041	mg/L	0.00016	3.91%
Pb 220.353†	4.3	0.0018	mg/L	0.00124	0.0018	mg/L	0.00124	68.49%
Sb 206.836†	-1.6	-0.0017	mg/L	0.00369	-0.0017	mg/L	0.00369	222.34%
Se 196.026†	-5.9	-0.0046	mg/L	0.00151	-0.0046	mg/L	0.00151	32.61%
Sn 189.927†	-298.2	-0.0669	mg/L	0.00133	-0.0669	mg/L	0.00133	1.98%
Ti 337.279†	2.9	0.0002	mg/L	0.00074	0.0002	mg/L	0.00074	353.66%
Tl 351.924†	-22.5	-0.0076	mg/L	0.00540	-0.0076	mg/L	0.00540	70.59%
V 290.880†	66.4	0.0013	mg/L	0.00025	0.0013	mg/L	0.00025	18.77%
Zn 206.200†	789.0	0.0544	mg/L	0.00054	0.0544	mg/L	0.00054	0.99%

Zr 343.823†	-41.0	-0.0003	mg/L	0.00010	-0.0003	mg/L	0.00010 34.34%

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Batch ID: OPTIMA 3
Sequence No.: 34 **Autosampler Location: 57**
Sample ID: 24L1377-03 **Date Collected: 1/4/2025 3:41:50 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample): 220

Mean Data: 24L1377-03

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	118223.2	95.8	%	0.37	95.8	%	0.37	0.38%
Y axial	1971780.0	96.2	%	1.43	96.2	%	1.43	1.49%
Ag 328.068†	-35.4	-0.0006	mg/L	0.00047	-0.0006	mg/L	0.00047	76.65%
Al 396.153†	13921.7	3.868	mg/L	0.0372	3.868	mg/L	0.0372	0.96%
As 188.979†	0.5	0.0009	mg/L	0.00501	0.0009	mg/L	0.00501	573.34%
B 208.889†	800.7	0.1243	mg/L	0.00207	0.1243	mg/L	0.00207	1.66%
Ba 233.527†	60.2	0.0312	mg/L	0.00182	0.0312	mg/L	0.00182	5.82%
Be 313.107†	167.4	0.0008	mg/L	0.00004	0.0008	mg/L	0.00004	4.53%
Ca 317.933†	38211.6	10.85	mg/L	0.119	10.85	mg/L	0.119	1.10%
Cd 228.802†	6.3	0.0002	mg/L	0.00024	0.0002	mg/L	0.00024	95.54%
Co 228.616†	-4.1	-0.0002	mg/L	0.00006	-0.0002	mg/L	0.00006	33.36%
Cr 267.716†	1813.5	0.0453	mg/L	0.00064	0.0453	mg/L	0.00064	1.41%
Cu 327.393†	901.3	0.0081	mg/L	0.00011	0.0081	mg/L	0.00011	1.37%
Fe 238.204†	11.9	0.0061	mg/L	0.00146	0.0061	mg/L	0.00146	23.98%
K 766.490†	56486.8	23.08	mg/L	0.119	23.08	mg/L	0.119	0.51%
Mg 285.213†	38068.6	5.123	mg/L	0.0485	5.123	mg/L	0.0485	0.95%
Mn 257.610†	16.8	0.0012	mg/L	0.00057	0.0012	mg/L	0.00057	46.46%
Mo 202.031†	0.6	0.0000	mg/L	0.00027	0.0000	mg/L	0.00027	553.80%
Na 589.592†	224435.9	18.43	mg/L	0.051	18.43	mg/L	0.051	0.27%
Ni 231.604†	222.0	0.0107	mg/L	0.00029	0.0107	mg/L	0.00029	2.77%
Pb 220.353†	6.9	0.0034	mg/L	0.00229	0.0034	mg/L	0.00229	66.67%
Sb 206.836†	4.5	0.0013	mg/L	0.00490	0.0013	mg/L	0.00490	380.22%
Se 196.026†	1.9	0.0011	mg/L	0.00218	0.0011	mg/L	0.00218	198.83%
Sn 189.927†	-200.5	-0.0453	mg/L	0.00065	-0.0453	mg/L	0.00065	1.43%
Ti 337.279†	-0.5	-0.0000	mg/L	0.00054	-0.0000	mg/L	0.00054	>999.9%
Tl 351.924†	-10.7	-0.0035	mg/L	0.00136	-0.0035	mg/L	0.00136	38.77%
V 290.880†	151.0	0.0031	mg/L	0.00075	0.0031	mg/L	0.00075	24.00%
Zn 206.200†	385.6	0.0282	mg/L	0.00017	0.0282	mg/L	0.00017	0.59%
Zr 343.823†	26.7	0.0002	mg/L	0.00015	0.0002	mg/L	0.00015	80.53%

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Batch ID: OPTIMA 3
Sequence No.: 35 **Autosampler Location: 5**
Sample ID: SEQ-CCV@ 23IJ0975 **Date Collected: 1/4/2025 3:49:43 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample): 220

Mean Data: SEQ-CCV@ 23IJ0975

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	113083.7	91.6	%	1.04	91.6	%	1.04	1.13%
Y axial	1963906.0	95.8	%	1.75	95.8	%	1.75	1.83%
Ag 328.068†	149033.5	2.547	mg/L	0.0474	2.547	mg/L	0.0474	1.86%
QC value within limits for Ag 328.068 Recovery = 101.86%								
Al 396.153†	37794.8	10.23	mg/L	0.011	10.23	mg/L	0.011	0.11%
QC value within limits for Al 396.153 Recovery = 102.31%								
As 188.979†	4702.2	4.939	mg/L	0.0794	4.939	mg/L	0.0794	1.61%
QC value within limits for As 188.979 Recovery = 98.78%								
B 208.889†	32599.6	4.839	mg/L	0.0737	4.839	mg/L	0.0737	1.52%
QC value within limits for B 208.889 Recovery = 96.78%								
Ba 233.527†	8701.3	4.513	mg/L	0.1324	4.513	mg/L	0.1324	2.93%
QC value within limits for Ba 233.527 Recovery = 90.26%								

Be 313.107†	989857.2	4.987 mg/L	0.0042	4.987 mg/L	0.0042	0.08%
QC value within limits for Be 313.107 Recovery = 99.75%						
Ca 317.933†	34782.2	9.877 mg/L	0.5239	9.877 mg/L	0.5239	5.30%
QC value within limits for Ca 317.933 Recovery = 98.77%						
Cd 228.802†	127098.6	5.057 mg/L	0.0029	5.057 mg/L	0.0029	0.06%
QC value within limits for Cd 228.802 Recovery = 101.14%						
Co 228.616†	122212.7	5.062 mg/L	0.0029	5.062 mg/L	0.0029	0.06%
QC value within limits for Co 228.616 Recovery = 101.24%						
Cr 267.716†	202664.6	5.061 mg/L	0.0090	5.061 mg/L	0.0090	0.18%
QC value within limits for Cr 267.716 Recovery = 101.22%						
Cu 327.393†	555666.0	5.032 mg/L	0.0200	5.032 mg/L	0.0200	0.40%
QC value within limits for Cu 327.393 Recovery = 100.65%						
Fe 238.204†	9111.7	4.890 mg/L	0.2334	4.890 mg/L	0.2334	4.77%
QC value within limits for Fe 238.204 Recovery = 97.80%						
K 766.490†	25488.4	10.41 mg/L	0.527	10.41 mg/L	0.527	5.06%
QC value within limits for K 766.490 Recovery = 104.13%						
Mg 285.213†	73722.5	9.877 mg/L	0.5081	9.877 mg/L	0.5081	5.14%
QC value within limits for Mg 285.213 Recovery = 98.77%						
Mn 257.610†	66514.6	4.881 mg/L	0.2457	4.881 mg/L	0.2457	5.03%
QC value within limits for Mn 257.610 Recovery = 97.61%						
Mo 202.031†	68624.5	5.060 mg/L	0.0186	5.060 mg/L	0.0186	0.37%
QC value within limits for Mo 202.031 Recovery = 101.20%						
Na 589.592†	128030.4	10.52 mg/L	0.078	10.52 mg/L	0.078	0.74%
QC value within limits for Na 589.592 Recovery = 105.16%						
Ni 231.604†	105792.5	5.075 mg/L	0.0090	5.075 mg/L	0.0090	0.18%
QC value within limits for Ni 231.604 Recovery = 101.49%						
Pb 220.353†	11823.7	4.987 mg/L	0.0704	4.987 mg/L	0.0704	1.41%
QC value within limits for Pb 220.353 Recovery = 99.75%						
Sb 206.836†	8859.3	4.952 mg/L	0.0806	4.952 mg/L	0.0806	1.63%
QC value within limits for Sb 206.836 Recovery = 99.05%						
Se 196.026†	7412.1	4.947 mg/L	0.0750	4.947 mg/L	0.0750	1.52%
QC value within limits for Se 196.026 Recovery = 98.95%						
Sn 189.927†	17231.4	5.007 mg/L	0.0794	5.007 mg/L	0.0794	1.59%
QC value within limits for Sn 189.927 Recovery = 100.14%						
Ti 337.279†	68104.1	4.995 mg/L	0.2609	4.995 mg/L	0.2609	5.22%
QC value within limits for Ti 337.279 Recovery = 99.90%						
Tl 351.924†	7590.5	2.700 mg/L	0.0390	2.700 mg/L	0.0390	1.45%
QC value within limits for Tl 351.924 Recovery = 107.98%						
V 290.880†	260850.6	5.255 mg/L	0.0192	5.255 mg/L	0.0192	0.36%
QC value within limits for V 290.880 Recovery = 105.10%						
Zn 206.200†	73849.1	5.110 mg/L	0.0131	5.110 mg/L	0.0131	0.26%
QC value within limits for Zn 206.200 Recovery = 102.20%						
Zr 343.823†	724876.5	5.041 mg/L	0.0315	5.041 mg/L	0.0315	0.62%

All analyte(s) passed QC.
User canceled analysis.

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Analysis Begun

Start Time: 1/4/2025 3:56:47 PM **Plasma On Time: 1/4/2025 7:01:26 AM**
Originator: Optima8300 **Technique: ICP Continuous**
Spectrometer: Optima 8300 , S/N 078S1703073 **Autosampler: S10**

Sample Information File: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Sample Information\ 0104A25.sifx
Results Data Set: 0104A25
Results Library: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Results\Results.mdb

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Batch ID: OPTIMA 3
Sequence No.: 35 **Autosampler Location: 5**
Sample ID: SEQ-CCV@ 23IJ0975 **Date Collected: 1/4/2025 3:56:58 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample): 220

Mean Data: SEQ-CCV@ 23IJ0975

	Mean Corrected	Calib.	Sample

Analyte	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
Y radial	117441.9	95.2	%	0.58	95.2	%	0.58	0.61%
Y axial	1967205.0	96.0	%	1.37	96.0	%	1.37	1.43%
Ag 328.068†	148388.2	2.536	mg/L	0.0221	2.536	mg/L	0.0221	0.87%
QC value within limits for Ag 328.068 Recovery = 101.43%								
Al 396.153†	37067.2	10.03	mg/L	0.050	10.03	mg/L	0.050	0.50%
QC value within limits for Al 396.153 Recovery = 100.31%								
As 188.979†	4713.2	4.950	mg/L	0.0687	4.950	mg/L	0.0687	1.39%
QC value within limits for As 188.979 Recovery = 99.01%								
B 208.889†	32803.9	4.873	mg/L	0.0684	4.873	mg/L	0.0684	1.40%
QC value within limits for B 208.889 Recovery = 97.45%								
Ba 233.527†	9203.7	4.774	mg/L	0.0643	4.774	mg/L	0.0643	1.35%
QC value within limits for Ba 233.527 Recovery = 95.48%								
Be 313.107†	993193.5	5.004	mg/L	0.0065	5.004	mg/L	0.0065	0.13%
QC value within limits for Be 313.107 Recovery = 100.09%								
Ca 317.933†	35272.8	10.02	mg/L	0.105	10.02	mg/L	0.105	1.05%
QC value within limits for Ca 317.933 Recovery = 100.16%								
Cd 228.802†	125949.6	5.011	mg/L	0.0317	5.011	mg/L	0.0317	0.63%
QC value within limits for Cd 228.802 Recovery = 100.21%								
Co 228.616†	120850.3	5.005	mg/L	0.0209	5.005	mg/L	0.0209	0.42%
QC value within limits for Co 228.616 Recovery = 100.11%								
Cr 267.716†	200505.8	5.007	mg/L	0.0277	5.007	mg/L	0.0277	0.55%
QC value within limits for Cr 267.716 Recovery = 100.14%								
Cu 327.393†	549950.2	4.981	mg/L	0.0549	4.981	mg/L	0.0549	1.10%
QC value within limits for Cu 327.393 Recovery = 99.62%								
Fe 238.204†	9335.1	5.006	mg/L	0.0666	5.006	mg/L	0.0666	1.33%
QC value within limits for Fe 238.204 Recovery = 100.12%								
K 766.490†	25223.1	10.30	mg/L	0.137	10.30	mg/L	0.137	1.33%
QC value within limits for K 766.490 Recovery = 103.04%								
Mg 285.213†	74814.8	10.02	mg/L	0.141	10.02	mg/L	0.141	1.41%
QC value within limits for Mg 285.213 Recovery = 100.24%								
Mn 257.610†	67416.9	4.947	mg/L	0.0578	4.947	mg/L	0.0578	1.17%
QC value within limits for Mn 257.610 Recovery = 98.94%								
Mo 202.031†	68058.0	5.018	mg/L	0.0237	5.018	mg/L	0.0237	0.47%
QC value within limits for Mo 202.031 Recovery = 100.37%								
Na 589.592†	122301.8	10.05	mg/L	0.032	10.05	mg/L	0.032	0.32%
QC value within limits for Na 589.592 Recovery = 100.46%								
Ni 231.604†	104811.1	5.028	mg/L	0.0191	5.028	mg/L	0.0191	0.38%
QC value within limits for Ni 231.604 Recovery = 100.55%								
Pb 220.353†	11847.4	4.997	mg/L	0.0489	4.997	mg/L	0.0489	0.98%
QC value within limits for Pb 220.353 Recovery = 99.94%								
Sb 206.836†	8894.3	4.972	mg/L	0.0614	4.972	mg/L	0.0614	1.24%
QC value within limits for Sb 206.836 Recovery = 99.44%								
Se 196.026†	7439.7	4.966	mg/L	0.0683	4.966	mg/L	0.0683	1.38%
QC value within limits for Se 196.026 Recovery = 99.32%								
Sn 189.927†	17271.3	5.019	mg/L	0.0576	5.019	mg/L	0.0576	1.15%
QC value within limits for Sn 189.927 Recovery = 100.38%								
Ti 337.279†	68581.0	5.030	mg/L	0.0641	5.030	mg/L	0.0641	1.28%
QC value within limits for Ti 337.279 Recovery = 100.59%								
Tl 351.924†	7582.9	2.696	mg/L	0.0226	2.696	mg/L	0.0226	0.84%
QC value within limits for Tl 351.924 Recovery = 107.84%								
V 290.880†	258680.5	5.211	mg/L	0.0177	5.211	mg/L	0.0177	0.34%
QC value within limits for V 290.880 Recovery = 104.22%								
Zn 206.200†	73054.4	5.055	mg/L	0.0176	5.055	mg/L	0.0176	0.35%
QC value within limits for Zn 206.200 Recovery = 101.10%								
Zr 343.823†	719772.1	5.006	mg/L	0.0187	5.006	mg/L	0.0187	0.37%

All analyte(s) passed QC.

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Batch ID: OPTIMA 3
Sequence No.: 36 **Autosampler Location: 1**
Sample ID: SEQ-CCB@ 23J0970 **Date Collected: 1/4/2025 4:03:49 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample): 220

Mean Data: SEQ-CCB@ 23J0970

	Mean Corrected	Calib.	Sample

Analyte	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
Y radial	119265.7	96.6	%	2.47	96.6	%	2.47	2.56%
Y axial	2018442.1	98.5	%	1.36	98.5	%	1.36	1.38%
Ag 328.068†	29.3	0.0005	mg/L	0.00014	0.0005	mg/L	0.00014	27.36%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	0.4	0.0001	mg/L	0.00423	0.0001	mg/L	0.00423	>999.9%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	3.9	0.0041	mg/L	0.00174	0.0041	mg/L	0.00174	42.40%
QC value within limits for As 188.979 Recovery = Not calculated								
B 208.889†	178.1	0.0276	mg/L	0.00086	0.0276	mg/L	0.00086	3.10%
QC value within limits for B 208.889 Recovery = Not calculated								
Ba 233.527†	-0.5	-0.0003	mg/L	0.00034	-0.0003	mg/L	0.00034	130.80%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	37.7	0.0002	mg/L	0.00005	0.0002	mg/L	0.00005	26.77%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 317.933†	11.4	0.0032	mg/L	0.01096	0.0032	mg/L	0.01096	338.86%
QC value within limits for Ca 317.933 Recovery = Not calculated								
Cd 228.802†	14.3	0.0005	mg/L	0.00010	0.0005	mg/L	0.00010	18.70%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	2.5	0.0001	mg/L	0.00008	0.0001	mg/L	0.00008	77.85%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-0.0	-0.0000	mg/L	0.00024	-0.0000	mg/L	0.00024	>999.9%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	-60.4	-0.0005	mg/L	0.00015	-0.0005	mg/L	0.00015	27.08%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 238.204†	-3.5	-0.0018	mg/L	0.00179	-0.0018	mg/L	0.00179	99.16%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490†	34.2	0.0140	mg/L	0.04398	0.0140	mg/L	0.04398	315.08%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213†	12.3	0.0017	mg/L	0.00569	0.0017	mg/L	0.00569	344.57%
QC value within limits for Mg 285.213 Recovery = Not calculated								
Mn 257.610†	0.2	0.0000	mg/L	0.00071	0.0000	mg/L	0.00071	>999.9%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-0.8	-0.0001	mg/L	0.00039	-0.0001	mg/L	0.00039	685.72%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	185.2	0.0152	mg/L	0.00162	0.0152	mg/L	0.00162	10.65%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	2.1	0.0001	mg/L	0.00011	0.0001	mg/L	0.00011	107.68%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	7.5	0.0032	mg/L	0.00135	0.0032	mg/L	0.00135	42.43%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	-0.0	-0.0000	mg/L	0.00169	-0.0000	mg/L	0.00169	>999.9%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	3.9	0.0026	mg/L	0.00405	0.0026	mg/L	0.00405	155.41%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	2.0	0.0006	mg/L	0.00104	0.0006	mg/L	0.00104	179.40%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 337.279†	-12.1	-0.0009	mg/L	0.00061	-0.0009	mg/L	0.00061	68.43%
QC value within limits for Ti 337.279 Recovery = Not calculated								
Tl 351.924†	-10.8	-0.0037	mg/L	0.01028	-0.0037	mg/L	0.01028	278.89%
QC value within limits for Tl 351.924 Recovery = Not calculated								
V 290.880†	47.0	0.0009	mg/L	0.00018	0.0009	mg/L	0.00018	20.08%
QC value within limits for V 290.880 Recovery = Not calculated								
Zn 206.200†	-35.2	-0.0024	mg/L	0.00025	-0.0024	mg/L	0.00025	10.21%
QC value within limits for Zn 206.200 Recovery = Not calculated								
Zr 343.823†	-25.0	-0.0002	mg/L	0.00025	-0.0002	mg/L	0.00025	145.66%

All analyte(s) passed QC.

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Batch ID: OPTIMA 3
Sequence No.: 37 **Autosampler Location: 58**
Sample ID: 24L1377-04 **Date Collected: 1/4/2025 4:09:43 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample): 110

Mean Data: 24L1377-04

	Mean Corrected	Calib.	Sample

Analyte	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
Y radial	118442.8	96.0	%	1.67	96.0	%	1.67	1.74%
Y axial	1945545.9	94.9	%	2.25	94.9	%	2.25	2.37%
Ag 328.068†	34.8	0.0006	mg/L	0.00066	0.0006	mg/L	0.00066	110.65%
Al 396.153†	9320.6	2.589	mg/L	0.0733	2.589	mg/L	0.0733	2.83%
As 188.979†	3.8	0.0040	mg/L	0.00448	0.0040	mg/L	0.00448	112.09%
B 208.889†	1156.6	0.1795	mg/L	0.00541	0.1795	mg/L	0.00541	3.01%
Ba 233.527†	91.4	0.0474	mg/L	0.00196	0.0474	mg/L	0.00196	4.13%
Be 313.107†	124.1	0.0006	mg/L	0.00003	0.0006	mg/L	0.00003	5.24%
Ca 317.933†	49731.3	14.12	mg/L	0.411	14.12	mg/L	0.411	2.91%
Cd 228.802†	16.2	0.0006	mg/L	0.00045	0.0006	mg/L	0.00045	72.16%
Co 228.616†	-2.0	-0.0001	mg/L	0.00052	-0.0001	mg/L	0.00052	520.37%
Cr 267.716†	1062.2	0.0265	mg/L	0.00056	0.0265	mg/L	0.00056	2.11%
Cu 327.393†	1188.8	0.0107	mg/L	0.00109	0.0107	mg/L	0.00109	10.13%
Fe 238.204†	-0.1	-0.0002	mg/L	0.00034	-0.0002	mg/L	0.00034	219.13%
K 766.490†	50129.7	20.48	mg/L	0.060	20.48	mg/L	0.060	0.29%
Mg 285.213†	53063.8	7.142	mg/L	0.1903	7.142	mg/L	0.1903	2.66%
Mn 257.610†	35.2	0.0026	mg/L	0.00069	0.0026	mg/L	0.00069	26.73%
Mo 202.031†	7.4	0.0005	mg/L	0.00034	0.0005	mg/L	0.00034	61.81%
Na 589.592†	233748.6	19.20	mg/L	0.105	19.20	mg/L	0.105	0.55%
Ni 231.604†	123.7	0.0059	mg/L	0.00044	0.0059	mg/L	0.00044	7.43%
Pb 220.353†	10.4	0.0047	mg/L	0.00214	0.0047	mg/L	0.00214	45.58%
Sb 206.836†	-2.1	-0.0022	mg/L	0.00208	-0.0022	mg/L	0.00208	93.88%
Se 196.026†	0.5	-0.0001	mg/L	0.00544	-0.0001	mg/L	0.00544	>999.9%
Sn 189.927†	-277.5	-0.0625	mg/L	0.00116	-0.0625	mg/L	0.00116	1.85%
Ti 337.279†	0.9	0.0001	mg/L	0.00020	0.0001	mg/L	0.00020	321.37%
Tl 351.924†	-38.2	-0.0129	mg/L	0.01792	-0.0129	mg/L	0.01792	138.46%
V 290.880†	792.8	0.0154	mg/L	0.00131	0.0154	mg/L	0.00131	8.50%
Zn 206.200†	360.6	0.0261	mg/L	0.00081	0.0261	mg/L	0.00081	3.08%
Zr 343.823†	49.4	0.0003	mg/L	0.00002	0.0003	mg/L	0.00002	5.65%

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Batch ID: OPTIMA 3
Sequence No.: 38 **Autosampler Location: 59**
Sample ID: 24L1541-02 **Date Collected: 1/4/2025 4:17:36 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample): 220

Mean Data: 24L1541-02

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	114110.1	92.5	%	0.57	92.5	%	0.57	0.62%
Y axial	1939465.8	94.6	%	0.54	94.6	%	0.54	0.57%
Ag 328.068†	-9.2	-0.0002	mg/L	0.00041	-0.0002	mg/L	0.00041	266.53%
Al 396.153†	709.2	0.1948	mg/L	0.01255	0.1948	mg/L	0.01255	6.44%
As 188.979†	7.3	0.0076	mg/L	0.00298	0.0076	mg/L	0.00298	39.46%
B 208.889†	317.3	0.0492	mg/L	0.00129	0.0492	mg/L	0.00129	2.61%
Ba 233.527†	138.3	0.0718	mg/L	0.00248	0.0718	mg/L	0.00248	3.45%
Be 313.107†	42.5	0.0002	mg/L	0.00005	0.0002	mg/L	0.00005	26.24%
Ca 317.933†	90218.8	25.62	mg/L	0.090	25.62	mg/L	0.090	0.35%
Cd 228.802†	11.2	0.0004	mg/L	0.00019	0.0004	mg/L	0.00019	48.33%
Co 228.616†	7.8	0.0003	mg/L	0.00009	0.0003	mg/L	0.00009	28.98%
Cr 267.716†	68.8	0.0011	mg/L	0.00036	0.0011	mg/L	0.00036	32.62%
Cu 327.393†	1250.7	0.0113	mg/L	0.00100	0.0113	mg/L	0.00100	8.85%
Fe 238.204†	433.9	0.2272	mg/L	0.00095	0.2272	mg/L	0.00095	0.42%
K 766.490†	12739.0	5.204	mg/L	0.1268	5.204	mg/L	0.1268	2.44%
Mg 285.213†	20580.0	2.764	mg/L	0.0476	2.764	mg/L	0.0476	1.72%
Mn 257.610†	30131.0	2.211	mg/L	0.0328	2.211	mg/L	0.0328	1.48%
Mo 202.031†	15.0	0.0011	mg/L	0.00049	0.0011	mg/L	0.00049	43.51%
Na 589.592†	556096.5	45.68	mg/L	0.181	45.68	mg/L	0.181	0.40%
Ni 231.604†	28.3	0.0011	mg/L	0.00046	0.0011	mg/L	0.00046	40.66%
Pb 220.353†	15.2	0.0061	mg/L	0.00220	0.0061	mg/L	0.00220	35.98%
Sb 206.836†	2.4	0.0010	mg/L	0.00082	0.0010	mg/L	0.00082	77.95%
Se 196.026†	-3.7	-0.0047	mg/L	0.00264	-0.0047	mg/L	0.00264	56.78%
Sn 189.927†	-118.0	-0.0273	mg/L	0.00054	-0.0273	mg/L	0.00054	1.99%
Ti 337.279†	69.0	0.0051	mg/L	0.00056	0.0051	mg/L	0.00056	11.11%
Tl 351.924†	12.4	0.0042	mg/L	0.00840	0.0042	mg/L	0.00840	197.97%

V 290.880†	165.2	0.0032	mg/L	0.00056	0.0032	mg/L	0.00056 17.20%
Zn 206.200†	433.6	0.0300	mg/L	0.00060	0.0300	mg/L	0.00060 2.01%
Zr 343.823†	98.5	0.0007	mg/L	0.00040	0.0007	mg/L	0.00040 59.43%

Batch ID: OPTIMA 3
Sequence No.: 39 **Autosampler Location: 60**
Sample ID: 24L1541-03 **Date Collected: 1/4/2025 4:25:29 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample): 220

Mean Data: 24L1541-03

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	118107.1	95.7	%	0.76	95.7	%	0.76	0.79%
Y axial	1936684.0	94.5	%	0.44	94.5	%	0.44	0.46%
Ag 328.068†	-36.3	-0.0004	mg/L	0.00045	-0.0004	mg/L	0.00045	125.13%
Al 396.153†	14606.9	4.052	mg/L	0.0224	4.052	mg/L	0.0224	0.55%
As 188.979†	6.8	0.0085	mg/L	0.00634	0.0085	mg/L	0.00634	74.20%
B 208.889†	330.2	0.0512	mg/L	0.00067	0.0512	mg/L	0.00067	1.31%
Ba 233.527†	153.4	0.0796	mg/L	0.00089	0.0796	mg/L	0.00089	1.12%
Be 313.107†	73.3	0.0003	mg/L	0.00004	0.0003	mg/L	0.00004	11.74%
Ca 317.933†	306720.5	87.10	mg/L	2.010	87.10	mg/L	2.010	2.31%
Cd 228.802†	260.7	0.0104	mg/L	0.00007	0.0104	mg/L	0.00007	0.64%
Co 228.616†	48.7	0.0017	mg/L	0.00012	0.0017	mg/L	0.00012	6.72%
Cr 267.716†	3593.8	0.0899	mg/L	0.00030	0.0899	mg/L	0.00030	0.33%
Cu 327.393†	4848.3	0.0443	mg/L	0.00078	0.0443	mg/L	0.00078	1.76%
Fe 238.204†	14416.5	7.551	mg/L	0.0124	7.551	mg/L	0.0124	0.16%
K 766.490†	15136.0	6.183	mg/L	0.0263	6.183	mg/L	0.0263	0.43%
Mg 285.213†	32531.3	4.362	mg/L	0.0147	4.362	mg/L	0.0147	0.34%
Mn 257.610†	1858.1	0.1364	mg/L	0.00125	0.1364	mg/L	0.00125	0.92%
Mo 202.031†	32.5	0.0030	mg/L	0.00043	0.0030	mg/L	0.00043	14.14%
Na 589.592†	754011.1	61.93	mg/L	1.657	61.93	mg/L	1.657	2.68%
Ni 231.604†	146.7	0.0070	mg/L	0.00008	0.0070	mg/L	0.00008	1.15%
Pb 220.353†	38.1	0.0158	mg/L	0.00225	0.0158	mg/L	0.00225	14.25%
Sb 206.836†	1.8	-0.0010	mg/L	0.00359	-0.0010	mg/L	0.00359	352.61%
Se 196.026†	-35.5	-0.0188	mg/L	0.00172	-0.0188	mg/L	0.00172	9.15%
Sn 189.927†	-181.4	-0.0417	mg/L	0.00060	-0.0417	mg/L	0.00060	1.44%
Ti 337.279†	1791.9	0.1312	mg/L	0.00170	0.1312	mg/L	0.00170	1.30%
Tl 351.924†	-9.0	-0.0020	mg/L	0.00097	-0.0020	mg/L	0.00097	48.92%
V 290.880†	572.0	0.0112	mg/L	0.00021	0.0112	mg/L	0.00021	1.85%
Zn 206.200†	6803.6	0.4683	mg/L	0.00112	0.4683	mg/L	0.00112	0.24%
Zr 343.823†	119.6	0.0005	mg/L	0.00004	0.0005	mg/L	0.00004	6.51%

Batch ID: OPTIMA 3
Sequence No.: 40 **Autosampler Location: 61**
Sample ID: 24L1541-04 **Date Collected: 1/4/2025 4:33:24 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample): 220

Mean Data: 24L1541-04

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	118225.0	95.8	%	1.58	95.8	%	1.58	1.65%
Y axial	1960113.9	95.7	%	1.11	95.7	%	1.11	1.16%
Ag 328.068†	-22.8	-0.0004	mg/L	0.00079	-0.0004	mg/L	0.00079	209.43%
Al 396.153†	873.3	0.2409	mg/L	0.00685	0.2409	mg/L	0.00685	2.84%
As 188.979†	2.9	0.0030	mg/L	0.00326	0.0030	mg/L	0.00326	107.80%
B 208.889†	221.1	0.0343	mg/L	0.00058	0.0343	mg/L	0.00058	1.68%
Ba 233.527†	121.7	0.0632	mg/L	0.00290	0.0632	mg/L	0.00290	4.60%
Be 313.107†	35.5	0.0002	mg/L	0.00004	0.0002	mg/L	0.00004	24.93%
Ca 317.933†	74148.1	21.06	mg/L	0.323	21.06	mg/L	0.323	1.53%
Cd 228.802†	4.6	0.0002	mg/L	0.00012	0.0002	mg/L	0.00012	75.30%

Co 228.616†	1.9	0.0000	mg/L	0.00007	0.0000	mg/L	0.00007 150.99%
Cr 267.716†	44.6	0.0011	mg/L	0.00024	0.0011	mg/L	0.00024 21.56%
Cu 327.393†	1062.7	0.0096	mg/L	0.00106	0.0096	mg/L	0.00106 11.03%
Fe 238.204†	800.9	0.4195	mg/L	0.00640	0.4195	mg/L	0.00640 1.53%
K 766.490†	7545.8	3.083	mg/L	0.0483	3.083	mg/L	0.0483 1.57%
Mg 285.213†	17712.5	2.380	mg/L	0.0494	2.380	mg/L	0.0494 2.07%
Mn 257.610†	297.2	0.0218	mg/L	0.00020	0.0218	mg/L	0.00020 0.91%
Mo 202.031†	11.6	0.0009	mg/L	0.00034	0.0009	mg/L	0.00034 38.44%
Na 589.592†	284842.3	23.40	mg/L	0.008	23.40	mg/L	0.008 0.04%
Ni 231.604†	35.6	0.0017	mg/L	0.00026	0.0017	mg/L	0.00026 15.10%
Pb 220.353†	8.6	0.0036	mg/L	0.00070	0.0036	mg/L	0.00070 19.57%
Sb 206.836†	7.9	0.0042	mg/L	0.00221	0.0042	mg/L	0.00221 53.17%
Se 196.026†	-6.7	-0.0050	mg/L	0.00185	-0.0050	mg/L	0.00185 36.98%
Sn 189.927†	-102.7	-0.0238	mg/L	0.00090	-0.0238	mg/L	0.00090 3.79%
Ti 337.279†	109.8	0.0080	mg/L	0.00049	0.0080	mg/L	0.00049 6.03%
Tl 351.924†	-25.9	-0.0088	mg/L	0.01396	-0.0088	mg/L	0.01396 159.43%
V 290.880†	142.4	0.0028	mg/L	0.00041	0.0028	mg/L	0.00041 14.78%
Zn 206.200†	562.1	0.0387	mg/L	0.00035	0.0387	mg/L	0.00035 0.90%
Zr 343.823†	-13.3	-0.0001	mg/L	0.00020	-0.0001	mg/L	0.00020 184.60%

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Batch ID: OPTIMA 3
Sequence No.: 41 **Autosampler Location: 62**
Sample ID: 24L1541-05 **Date Collected: 1/4/2025 4:41:18 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample): 220

Mean Data: 24L1541-05

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	118771.5	96.2	%	2.37	96.2	%	2.37	2.46%
Y axial	1947955.5	95.1	%	1.30	95.1	%	1.30	1.37%
Ag 328.068†	-74.2	-0.0007	mg/L	0.00062	-0.0007	mg/L	0.00062	88.77%
Al 396.153†	39977.5	11.11	mg/L	0.027	11.11	mg/L	0.027	0.24%
As 188.979†	12.0	0.0151	mg/L	0.00122	0.0151	mg/L	0.00122	8.13%
B 208.889†	1040.1	0.1615	mg/L	0.00296	0.1615	mg/L	0.00296	1.83%
Ba 233.527†	176.5	0.0916	mg/L	0.00100	0.0916	mg/L	0.00100	1.09%
Be 313.107†	168.0	0.0007	mg/L	0.00004	0.0007	mg/L	0.00004	5.22%
Ca 317.933†	22077.3	6.269	mg/L	0.1533	6.269	mg/L	0.1533	2.44%
Cd 228.802†	9.6	0.0003	mg/L	0.00012	0.0003	mg/L	0.00012	36.74%
Co 228.616†	73.2	0.0023	mg/L	0.00016	0.0023	mg/L	0.00016	6.98%
Cr 267.716†	1022.2	0.0261	mg/L	0.00020	0.0261	mg/L	0.00020	0.76%
Cu 327.393†	22848.9	0.2073	mg/L	0.00593	0.2073	mg/L	0.00593	2.86%
Fe 238.204†	32073.7	16.80	mg/L	0.355	16.80	mg/L	0.355	2.11%
K 766.490†	5277.4	2.156	mg/L	0.0070	2.156	mg/L	0.0070	0.33%
Mg 285.213†	6583.2	0.8984	mg/L	0.02092	0.8984	mg/L	0.02092	2.33%
Mn 257.610†	932.2	0.0686	mg/L	0.00108	0.0686	mg/L	0.00108	1.57%
Mo 202.031†	-5.7	0.0010	mg/L	0.00009	0.0010	mg/L	0.00009	9.48%
Na 589.592†	168426.1	13.83	mg/L	0.094	13.83	mg/L	0.094	0.68%
Ni 231.604†	6210.5	0.2982	mg/L	0.00874	0.2982	mg/L	0.00874	2.93%
Pb 220.353†	37.3	0.0154	mg/L	0.00212	0.0154	mg/L	0.00212	13.76%
Sb 206.836†	1.8	0.0003	mg/L	0.00228	0.0003	mg/L	0.00228	689.30%
Se 196.026†	-34.0	-0.0021	mg/L	0.00638	-0.0021	mg/L	0.00638	300.69%
Sn 189.927†	-37.2	-0.0088	mg/L	0.00102	-0.0088	mg/L	0.00102	11.60%
Ti 337.279†	3012.9	0.2206	mg/L	0.00624	0.2206	mg/L	0.00624	2.83%
Tl 351.924†	0.5	0.0028	mg/L	0.00619	0.0028	mg/L	0.00619	222.75%
V 290.880†	1419.0	0.0268	mg/L	0.00137	0.0268	mg/L	0.00137	5.11%
Zn 206.200†	3650.3	0.2524	mg/L	0.00833	0.2524	mg/L	0.00833	3.30%
Zr 343.823†	752.0	0.0046	mg/L	0.00049	0.0046	mg/L	0.00049	10.70%

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Batch ID: OPTIMA 3
Sequence No.: 42 **Autosampler Location: 63**
Sample ID: 24L1652-24 **Date Collected: 1/4/2025 4:49:11 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Rinse Time (before sample): 220

Mean Data: 24L1652-24

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y radial	119979.8	97.2	%	2.56	97.2	%	2.56	2.63%
Y axial	1954983.3	95.4	%	1.19	95.4	%	1.19	1.25%
Ag 328.068†	-20.8	-0.0004	mg/L	0.00038	-0.0004	mg/L	0.00038	106.28%
Al 396.153†	-8.0	-0.0022	mg/L	0.01303	-0.0022	mg/L	0.01303	590.11%
As 188.979†	3.8	0.0039	mg/L	0.00296	0.0039	mg/L	0.00296	75.29%
B 208.889†	88.6	0.0138	mg/L	0.00100	0.0138	mg/L	0.00100	7.26%
Ba 233.527†	3.0	0.0016	mg/L	0.00042	0.0016	mg/L	0.00042	26.65%
Be 313.107†	1.6	0.0000	mg/L	0.00009	0.0000	mg/L	0.00009	>999.9%
Ca 317.933†	84.9	0.0241	mg/L	0.00402	0.0241	mg/L	0.00402	16.69%
Cd 228.802†	-2.3	-0.0001	mg/L	0.00011	-0.0001	mg/L	0.00011	97.04%
Co 228.616†	-2.7	-0.0001	mg/L	0.00002	-0.0001	mg/L	0.00002	21.67%
Cr 267.716†	22.1	0.0006	mg/L	0.00018	0.0006	mg/L	0.00018	31.90%
Cu 327.393†	689.8	0.0062	mg/L	0.00084	0.0062	mg/L	0.00084	13.56%
Fe 238.204†	5.6	0.0029	mg/L	0.00095	0.0029	mg/L	0.00095	32.23%
K 766.490†	20.8	0.0085	mg/L	0.04385	0.0085	mg/L	0.04385	515.68%
Mg 285.213†	12.1	0.0016	mg/L	0.00038	0.0016	mg/L	0.00038	23.45%
Mn 257.610†	4.2	0.0003	mg/L	0.00037	0.0003	mg/L	0.00037	117.80%
Mo 202.031†	-2.0	-0.0001	mg/L	0.00025	-0.0001	mg/L	0.00025	167.58%
Na 589.592†	718.1	0.0590	mg/L	0.00493	0.0590	mg/L	0.00493	8.36%
Ni 231.604†	-5.3	-0.0003	mg/L	0.00043	-0.0003	mg/L	0.00043	170.77%
Pb 220.353†	3.1	0.0013	mg/L	0.00096	0.0013	mg/L	0.00096	74.46%
Sb 206.836†	3.3	0.0018	mg/L	0.00184	0.0018	mg/L	0.00184	99.96%
Se 196.026†	5.2	0.0035	mg/L	0.00077	0.0035	mg/L	0.00077	22.10%
Sn 189.927†	0.1	0.0000	mg/L	0.00188	0.0000	mg/L	0.00188	>999.9%
Ti 337.279†	3.1	0.0002	mg/L	0.00063	0.0002	mg/L	0.00063	278.16%
Tl 351.924†	-28.6	-0.0097	mg/L	0.00447	-0.0097	mg/L	0.00447	46.02%
V 290.880†	41.8	0.0008	mg/L	0.00116	0.0008	mg/L	0.00116	144.73%
Zn 206.200†	185.1	0.0127	mg/L	0.00012	0.0127	mg/L	0.00012	0.95%
Zr 343.823†	-1.5	-0.0000	mg/L	0.00019	-0.0000	mg/L	0.00019	>999.9%

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Batch ID: OPTIMA 3
Sequence No.: 43 **Autosampler Location: 64**
Sample ID: B396072-MS1 **Date Collected: 1/4/2025 4:56:58 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample): 220

Mean Data: B396072-MS1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y radial	118474.1	96.0	%	0.40	96.0	%	0.40	0.42%
Y axial	1908009.6	93.1	%	0.16	93.1	%	0.16	0.17%
Ag 328.068†	117239.1	2.026	mg/L	0.0315	2.026	mg/L	0.0315	1.55%
Al 396.153†	7652.7	2.037	mg/L	0.0126	2.037	mg/L	0.0126	0.62%
As 188.979†	1926.7	2.024	mg/L	0.0198	2.024	mg/L	0.0198	0.98%
B 208.889†	26799.4	4.070	mg/L	0.0406	4.070	mg/L	0.0406	1.00%
Ba 233.527†	3819.1	1.981	mg/L	0.0204	1.981	mg/L	0.0204	1.03%
Be 313.107†	413620.1	2.083	mg/L	0.0063	2.083	mg/L	0.0063	0.30%
Ca 317.933†	160624.5	45.61	mg/L	0.116	45.61	mg/L	0.116	0.26%
Cd 228.802†	53023.2	2.109	mg/L	0.0036	2.109	mg/L	0.0036	0.17%
Co 228.616†	48533.0	2.010	mg/L	0.0056	2.010	mg/L	0.0056	0.28%
Cr 267.716†	81122.4	2.026	mg/L	0.0030	2.026	mg/L	0.0030	0.15%
Cu 327.393†	458043.7	4.138	mg/L	0.0159	4.138	mg/L	0.0159	0.39%
Fe 238.204†	30833.9	16.20	mg/L	0.078	16.20	mg/L	0.078	0.48%
K 766.490†	46865.7	19.15	mg/L	0.013	19.15	mg/L	0.013	0.07%
Mg 285.213†	153083.0	20.62	mg/L	0.038	20.62	mg/L	0.038	0.19%
Mn 257.610†	35508.4	2.606	mg/L	0.0139	2.606	mg/L	0.0139	0.53%
Mo 202.031†	27896.9	2.058	mg/L	0.0146	2.058	mg/L	0.0146	0.71%
Na 589.592†	1690612.1	138.9	mg/L	0.45	138.9	mg/L	0.45	0.33%
Ni 231.604†	41548.4	1.993	mg/L	0.0019	1.993	mg/L	0.0019	0.10%
Pb 220.353†	4715.0	1.985	mg/L	0.0201	1.985	mg/L	0.0201	1.01%

Sb 206.836†	3733.0	2.085	mg/L	0.0127	2.085	mg/L	0.0127 0.61%
Se 196.026†	3275.2	2.200	mg/L	0.0187	2.200	mg/L	0.0187 0.85%
Sn 189.927†	6502.5	1.933	mg/L	0.0143	1.933	mg/L	0.0143 0.74%
Ti 337.279†	26991.2	1.976	mg/L	0.0097	1.976	mg/L	0.0097 0.49%
Tl 351.924†	6330.5	2.143	mg/L	0.0149	2.143	mg/L	0.0149 0.70%
V 290.880†	105138.9	2.118	mg/L	0.0033	2.118	mg/L	0.0033 0.16%
Zn 206.200†	61629.2	4.246	mg/L	0.0138	4.246	mg/L	0.0138 0.33%
Zr 343.823†	1.7	-0.0006	mg/L	0.00008	-0.0006	mg/L	0.00008 12.66%

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Batch ID: OPTIMA 3
Sequence No.: 44 **Autosampler Location: 65**
Sample ID: B396072-DUP1 **Date Collected: 1/4/2025 5:03:47 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample): 220

Mean Data: B396072-DUP1

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	120104.4	97.3	%	0.95	97.3	%	0.95	0.98%
Y axial	1945392.6	94.9	%	0.77	94.9	%	0.77	0.81%
Ag 328.068†	7.5	0.0001	mg/L	0.00085	0.0001	mg/L	0.00085	571.21%
Al 396.153†	143.0	0.0371	mg/L	0.01136	0.0371	mg/L	0.01136	30.62%
As 188.979†	7.8	0.0080	mg/L	0.00242	0.0080	mg/L	0.00242	30.37%
B 208.889†	372.1	0.0577	mg/L	0.00090	0.0577	mg/L	0.00090	1.56%
Ba 233.527†	35.7	0.0185	mg/L	0.00144	0.0185	mg/L	0.00144	7.80%
Be 313.107†	45.2	0.0002	mg/L	0.00021	0.0002	mg/L	0.00021	97.66%
Ca 317.933†	107055.7	30.40	mg/L	0.053	30.40	mg/L	0.053	0.17%
Cd 228.802†	7.6	0.0003	mg/L	0.00014	0.0003	mg/L	0.00014	54.63%
Co 228.616†	28.3	0.0012	mg/L	0.00009	0.0012	mg/L	0.00009	7.30%
Cr 267.716†	12.6	0.0001	mg/L	0.00024	0.0001	mg/L	0.00024	172.55%
Cu 327.393†	31.0	0.0003	mg/L	0.00004	0.0003	mg/L	0.00004	11.99%
Fe 238.204†	1001.1	0.5244	mg/L	0.00668	0.5244	mg/L	0.00668	1.27%
K 766.490†	6756.5	2.760	mg/L	0.0230	2.760	mg/L	0.0230	0.83%
Mg 285.213†	36582.3	4.918	mg/L	0.0193	4.918	mg/L	0.0193	0.39%
Mn 257.610†	9429.8	0.6918	mg/L	0.00424	0.6918	mg/L	0.00424	0.61%
Mo 202.031†	18.1	0.0014	mg/L	0.00031	0.0014	mg/L	0.00031	22.17%
Na 589.592†	1478410.6	121.4	mg/L	3.00	121.4	mg/L	3.00	2.47%
Ni 231.604†	73.3	0.0034	mg/L	0.00039	0.0034	mg/L	0.00039	11.40%
Pb 220.353†	11.6	0.0047	mg/L	0.00221	0.0047	mg/L	0.00221	46.67%
Sb 206.836†	2.3	0.0009	mg/L	0.00047	0.0009	mg/L	0.00047	51.13%
Se 196.026†	-3.9	-0.0039	mg/L	0.00354	-0.0039	mg/L	0.00354	91.30%
Sn 189.927†	-188.8	-0.0424	mg/L	0.00161	-0.0424	mg/L	0.00161	3.80%
Ti 337.279†	9.3	0.0007	mg/L	0.00087	0.0007	mg/L	0.00087	126.98%
Tl 351.924†	-10.2	-0.0034	mg/L	0.00222	-0.0034	mg/L	0.00222	65.62%
V 290.880†	159.8	0.0031	mg/L	0.00026	0.0031	mg/L	0.00026	8.41%
Zn 206.200†	159.5	0.0111	mg/L	0.00025	0.0111	mg/L	0.00025	2.24%
Zr 343.823†	2.1	-0.0000	mg/L	0.00013	-0.0000	mg/L	0.00013	>999.9%

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Batch ID: OPTIMA 3
Sequence No.: 45 **Autosampler Location: 66**
Sample ID: 25A0037-01 **Date Collected: 1/4/2025 5:09:51 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample): 110

Mean Data: 25A0037-01

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	120020.3	97.2	%	0.99	97.2	%	0.99	1.02%
Y axial	1929310.4	94.1	%	1.38	94.1	%	1.38	1.47%
Ag 328.068†	-18.8	-0.0003	mg/L	0.00023	-0.0003	mg/L	0.00023	76.52%
Al 396.153†	115.4	0.0294	mg/L	0.00695	0.0294	mg/L	0.00695	23.64%
As 188.979†	3.7	0.0037	mg/L	0.00087	0.0037	mg/L	0.00087	23.41%

B 208.889†	331.8	0.0515	mg/L	0.00145	0.0515	mg/L	0.00145 2.82%
Ba 233.527†	35.3	0.0183	mg/L	0.00102	0.0183	mg/L	0.00102 5.58%
Be 313.107†	17.0	0.0001	mg/L	0.00002	0.0001	mg/L	0.00002 26.51%
Ca 317.933†	107318.1	30.48	mg/L	0.155	30.48	mg/L	0.155 0.51%
Cd 228.802†	1.8	0.0000	mg/L	0.00010	0.0000	mg/L	0.00010 205.57%
Co 228.616†	28.8	0.0012	mg/L	0.00012	0.0012	mg/L	0.00012 10.28%
Cr 267.716†	0.0	-0.0002	mg/L	0.00010	-0.0002	mg/L	0.00010 56.67%
Cu 327.393†	-15.3	-0.0001	mg/L	0.00037	-0.0001	mg/L	0.00037 322.81%
Fe 238.204†	992.7	0.5200	mg/L	0.00527	0.5200	mg/L	0.00527 1.01%
K 766.490†	6814.7	2.784	mg/L	0.0324	2.784	mg/L	0.0324 1.16%
Mg 285.213†	36662.7	4.929	mg/L	0.0073	4.929	mg/L	0.0073 0.15%
Mn 257.610†	9446.3	0.6931	mg/L	0.00134	0.6931	mg/L	0.00134 0.19%
Mo 202.031†	17.9	0.0014	mg/L	0.00002	0.0014	mg/L	0.00002 1.46%
Na 589.592†	1471017.7	120.8	mg/L	1.84	120.8	mg/L	1.84 1.52%
Ni 231.604†	67.9	0.0032	mg/L	0.00089	0.0032	mg/L	0.00089 27.97%
Pb 220.353†	8.3	0.0033	mg/L	0.00222	0.0033	mg/L	0.00222 66.57%
Sb 206.836†	-2.3	-0.0017	mg/L	0.00360	-0.0017	mg/L	0.00360 215.02%
Se 196.026†	-10.2	-0.0081	mg/L	0.00359	-0.0081	mg/L	0.00359 44.31%
Sn 189.927†	-198.3	-0.0451	mg/L	0.00249	-0.0451	mg/L	0.00249 5.52%
Ti 337.279†	7.4	0.0005	mg/L	0.00093	0.0005	mg/L	0.00093 172.43%
Tl 351.924†	16.1	0.0055	mg/L	0.00673	0.0055	mg/L	0.00673 121.69%
V 290.880†	180.1	0.0035	mg/L	0.00129	0.0035	mg/L	0.00129 36.76%
Zn 206.200†	158.4	0.0110	mg/L	0.00032	0.0110	mg/L	0.00032 2.88%
Zr 343.823†	-2.3	-0.0000	mg/L	0.00023	-0.0000	mg/L	0.00023 658.68%

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Batch ID: OPTIMA 3
Sequence No.: 46 **Autosampler Location: 67**
Sample ID: 25A0037-02 **Date Collected: 1/4/2025 5:15:55 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample): 110

Mean Data: 25A0037-02

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y radial	118228.3	95.8	%	1.33	95.8	%	1.33	1.39%
Y axial	1937225.2	94.5	%	1.35	94.5	%	1.35	1.43%
Ag 328.068†	-4.4	0.0001	mg/L	0.00032	0.0001	mg/L	0.00032	343.12%
Al 396.153†	97.2	0.0256	mg/L	0.00590	0.0256	mg/L	0.00590	23.02%
As 188.979†	44.0	0.0462	mg/L	0.00781	0.0462	mg/L	0.00781	16.90%
B 208.889†	218.8	0.0339	mg/L	0.00081	0.0339	mg/L	0.00081	2.38%
Ba 233.527†	29.1	0.0151	mg/L	0.00143	0.0151	mg/L	0.00143	9.48%
Be 313.107†	15.3	0.0001	mg/L	0.00008	0.0001	mg/L	0.00008	137.55%
Ca 317.933†	69788.2	19.82	mg/L	0.034	19.82	mg/L	0.034	0.17%
Cd 228.802†	4.6	-0.0001	mg/L	0.00010	-0.0001	mg/L	0.00010	107.01%
Co 228.616†	91.0	0.0038	mg/L	0.00004	0.0038	mg/L	0.00004	1.07%
Cr 267.716†	-5.4	-0.0001	mg/L	0.00032	-0.0001	mg/L	0.00032	252.31%
Cu 327.393†	-1124.7	-0.0099	mg/L	0.00013	-0.0099	mg/L	0.00013	1.26%
Fe 238.204†	8845.7	4.633	mg/L	0.0258	4.633	mg/L	0.0258	0.56%
K 766.490†	7557.0	3.087	mg/L	0.0192	3.087	mg/L	0.0192	0.62%
Mg 285.213†	31119.1	4.189	mg/L	0.0056	4.189	mg/L	0.0056	0.13%
Mn 257.610†	7563.7	0.5550	mg/L	0.00051	0.5550	mg/L	0.00051	0.09%
Mo 202.031†	16.0	0.0016	mg/L	0.00053	0.0016	mg/L	0.00053	33.75%
Na 589.592†	1558595.4	128.0	mg/L	3.30	128.0	mg/L	3.30	2.57%
Ni 231.604†	24.4	0.0011	mg/L	0.00013	0.0011	mg/L	0.00013	12.11%
Pb 220.353†	6.4	0.0021	mg/L	0.00262	0.0021	mg/L	0.00262	123.61%
Sb 206.836†	-0.3	-0.0005	mg/L	0.00069	-0.0005	mg/L	0.00069	139.06%
Se 196.026†	-6.7	-0.0003	mg/L	0.00230	-0.0003	mg/L	0.00230	771.34%
Sn 189.927†	-164.2	-0.0371	mg/L	0.00221	-0.0371	mg/L	0.00221	5.95%
Ti 337.279†	9.9	0.0007	mg/L	0.00057	0.0007	mg/L	0.00057	78.47%
Tl 351.924†	-12.5	-0.0035	mg/L	0.00793	-0.0035	mg/L	0.00793	226.66%
V 290.880†	198.9	0.0037	mg/L	0.00051	0.0037	mg/L	0.00051	13.83%
Zn 206.200†	-55.6	-0.0035	mg/L	0.00003	-0.0035	mg/L	0.00003	0.84%
Zr 343.823†	-6.0	-0.0002	mg/L	0.00030	-0.0002	mg/L	0.00030	139.07%

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Sequence No.: 47 **Autosampler Location: 5**
Sample ID: SEQ-CCV@ 23IJ0975 **Date Collected: 1/4/2025 5:21:57 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample): 110

Mean Data: SEQ-CCV@ 23IJ0975

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y radial	119090.3	96.5	%	0.63	96.5	%	0.63	0.66%
Y axial	1923648.8	93.9	%	1.88	93.9	%	1.88	2.00%
Ag 328.068†	141860.7	2.423	mg/L	0.1092	2.423	mg/L	0.1092	4.51%
QC value within limits for Ag 328.068 Recovery = 96.92%								
Al 396.153†	37291.5	10.09	mg/L	0.022	10.09	mg/L	0.022	0.22%
QC value within limits for Al 396.153 Recovery = 100.94%								
As 188.979†	4814.3	5.056	mg/L	0.1005	5.056	mg/L	0.1005	1.99%
QC value within limits for As 188.979 Recovery = 101.13%								
B 208.889†	32982.6	4.900	mg/L	0.0944	4.900	mg/L	0.0944	1.93%
QC value within limits for B 208.889 Recovery = 98.00%								
Ba 233.527†	9655.5	5.008	mg/L	0.1297	5.008	mg/L	0.1297	2.59%
QC value within limits for Ba 233.527 Recovery = 100.17%								
Be 313.107†	989472.8	4.986	mg/L	0.0632	4.986	mg/L	0.0632	1.27%
QC value within limits for Be 313.107 Recovery = 99.71%								
Ca 317.933†	35277.6	10.02	mg/L	0.023	10.02	mg/L	0.023	0.23%
QC value within limits for Ca 317.933 Recovery = 100.18%								
Cd 228.802†	126936.5	5.049	mg/L	0.0027	5.049	mg/L	0.0027	0.05%
QC value within limits for Cd 228.802 Recovery = 100.99%								
Co 228.616†	121416.9	5.029	mg/L	0.0159	5.029	mg/L	0.0159	0.32%
QC value within limits for Co 228.616 Recovery = 100.57%								
Cr 267.716†	201722.3	5.037	mg/L	0.0215	5.037	mg/L	0.0215	0.43%
QC value within limits for Cr 267.716 Recovery = 100.74%								
Cu 327.393†	554296.1	5.020	mg/L	0.0138	5.020	mg/L	0.0138	0.28%
QC value within limits for Cu 327.393 Recovery = 100.40%								
Fe 238.204†	9399.8	5.040	mg/L	0.0191	5.040	mg/L	0.0191	0.38%
QC value within limits for Fe 238.204 Recovery = 100.81%								
K 766.490†	25001.0	10.21	mg/L	0.035	10.21	mg/L	0.035	0.34%
QC value within limits for K 766.490 Recovery = 102.13%								
Mg 285.213†	75363.8	10.10	mg/L	0.014	10.10	mg/L	0.014	0.14%
QC value within limits for Mg 285.213 Recovery = 100.99%								
Mn 257.610†	68477.1	5.025	mg/L	0.0096	5.025	mg/L	0.0096	0.19%
QC value within limits for Mn 257.610 Recovery = 100.49%								
Mo 202.031†	68248.2	5.032	mg/L	0.0054	5.032	mg/L	0.0054	0.11%
QC value within limits for Mo 202.031 Recovery = 100.65%								
Na 589.592†	121819.5	10.01	mg/L	0.113	10.01	mg/L	0.113	1.13%
QC value within limits for Na 589.592 Recovery = 100.06%								
Ni 231.604†	104745.5	5.024	mg/L	0.0092	5.024	mg/L	0.0092	0.18%
QC value within limits for Ni 231.604 Recovery = 100.49%								
Pb 220.353†	11897.3	5.018	mg/L	0.1074	5.018	mg/L	0.1074	2.14%
QC value within limits for Pb 220.353 Recovery = 100.36%								
Sb 206.836†	9038.1	5.052	mg/L	0.1016	5.052	mg/L	0.1016	2.01%
QC value within limits for Sb 206.836 Recovery = 101.05%								
Se 196.026†	7562.2	5.048	mg/L	0.1084	5.048	mg/L	0.1084	2.15%
QC value within limits for Se 196.026 Recovery = 100.95%								
Sn 189.927†	17573.0	5.106	mg/L	0.1031	5.106	mg/L	0.1031	2.02%
QC value within limits for Sn 189.927 Recovery = 102.13%								
Ti 337.279†	68814.6	5.047	mg/L	0.0134	5.047	mg/L	0.0134	0.26%
QC value within limits for Ti 337.279 Recovery = 100.93%								
Tl 351.924†	7616.5	2.706	mg/L	0.0481	2.706	mg/L	0.0481	1.78%
QC value within limits for Tl 351.924 Recovery = 108.25%								
V 290.880†	257900.9	5.197	mg/L	0.0184	5.197	mg/L	0.0184	0.35%
QC value within limits for V 290.880 Recovery = 103.94%								
Zn 206.200†	73549.2	5.089	mg/L	0.0278	5.089	mg/L	0.0278	0.55%
QC value within limits for Zn 206.200 Recovery = 101.78%								
Zr 343.823†	714372.5	4.968	mg/L	0.0225	4.968	mg/L	0.0225	0.45%

All analyte(s) passed QC.

Batch ID: OPTIMA 3

Sequence No.: 48 **Autosampler Location: 1**
Sample ID: SEQ-CCB@ 23J0970 **Date Collected: 1/4/2025 5:28:49 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample): 220

Mean Data: SEQ-CCB@ 23J0970

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y radial	119125.2	96.5	%	0.61	96.5	%	0.61	0.63%
Y axial	1993982.5	97.3	%	1.18	97.3	%	1.18	1.21%
Ag 328.068†	109.7	0.0019	mg/L	0.00030	0.0019	mg/L	0.00030	16.08%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	20.6	0.0058	mg/L	0.01521	0.0058	mg/L	0.01521	264.31%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	4.7	0.0049	mg/L	0.00071	0.0049	mg/L	0.00071	14.41%
QC value within limits for As 188.979 Recovery = Not calculated								
B 208.889†	179.1	0.0278	mg/L	0.00037	0.0278	mg/L	0.00037	1.33%
QC value within limits for B 208.889 Recovery = Not calculated								
Ba 233.527†	4.6	0.0024	mg/L	0.00024	0.0024	mg/L	0.00024	9.97%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	26.4	0.0001	mg/L	0.00005	0.0001	mg/L	0.00005	35.40%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 317.933†	-5.5	-0.0016	mg/L	0.00438	-0.0016	mg/L	0.00438	280.39%
QC value within limits for Ca 317.933 Recovery = Not calculated								
Cd 228.802†	4.9	0.0002	mg/L	0.00022	0.0002	mg/L	0.00022	133.66%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	-7.6	-0.0003	mg/L	0.00027	-0.0003	mg/L	0.00027	85.09%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	6.9	0.0002	mg/L	0.00025	0.0002	mg/L	0.00025	143.39%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	-173.8	-0.0016	mg/L	0.00024	-0.0016	mg/L	0.00024	15.27%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 238.204†	-9.0	-0.0047	mg/L	0.00064	-0.0047	mg/L	0.00064	13.57%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490†	17.4	0.0071	mg/L	0.02877	0.0071	mg/L	0.02877	403.68%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213†	-8.6	-0.0012	mg/L	0.00034	-0.0012	mg/L	0.00034	29.72%
QC value within limits for Mg 285.213 Recovery = Not calculated								
Mn 257.610†	3.0	0.0002	mg/L	0.00029	0.0002	mg/L	0.00029	129.90%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-5.6	-0.0004	mg/L	0.00052	-0.0004	mg/L	0.00052	127.60%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	643.8	0.0529	mg/L	0.01011	0.0529	mg/L	0.01011	19.12%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	-3.5	-0.0002	mg/L	0.00021	-0.0002	mg/L	0.00021	124.55%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	1.6	0.0007	mg/L	0.00214	0.0007	mg/L	0.00214	320.05%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	-0.1	-0.0000	mg/L	0.00128	-0.0000	mg/L	0.00128	>999.9%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	2.3	0.0016	mg/L	0.00294	0.0016	mg/L	0.00294	188.85%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	3.8	0.0011	mg/L	0.00040	0.0011	mg/L	0.00040	37.19%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 337.279†	-0.2	-0.0000	mg/L	0.00031	-0.0000	mg/L	0.00031	>999.9%
QC value within limits for Ti 337.279 Recovery = Not calculated								
Tl 351.924†	-5.7	-0.0019	mg/L	0.00544	-0.0019	mg/L	0.00544	279.64%
QC value within limits for Tl 351.924 Recovery = Not calculated								
V 290.880†	53.6	0.0010	mg/L	0.00101	0.0010	mg/L	0.00101	99.06%
QC value within limits for V 290.880 Recovery = Not calculated								
Zn 206.200†	-51.8	-0.0035	mg/L	0.00014	-0.0035	mg/L	0.00014	3.93%
QC value within limits for Zn 206.200 Recovery = Not calculated								
Zr 343.823†	-27.1	-0.0002	mg/L	0.00013	-0.0002	mg/L	0.00013	71.11%

All analyte(s) passed QC.

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Batch ID: OPTIMA 3

Sequence No.: 49 **Autosampler Location: 68**
Sample ID: B395932-BLK1 **Date Collected: 1/4/2025 5:34:44 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample): 110

Mean Data: B395932-BLK1

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y radial	120967.7	98.0	%	0.89	98.0	%	0.89	0.90%
Y axial	1990031.7	97.1	%	1.49	97.1	%	1.49	1.54%
Ag 328.068†	-7.1	-0.0001	mg/L	0.00037	-0.0001	mg/L	0.00037	299.49%
Al 396.153†	22.7	0.0063	mg/L	0.00401	0.0063	mg/L	0.00401	63.49%
As 188.979†	6.5	0.0068	mg/L	0.00447	0.0068	mg/L	0.00447	66.07%
B 208.889†	111.7	0.0174	mg/L	0.00050	0.0174	mg/L	0.00050	2.85%
Ba 233.527†	0.6	0.0003	mg/L	0.00141	0.0003	mg/L	0.00141	460.20%
Be 313.107†	22.5	0.0001	mg/L	0.00013	0.0001	mg/L	0.00013	120.96%
Ca 317.933†	12.5	0.0035	mg/L	0.02006	0.0035	mg/L	0.02006	566.30%
Cd 228.802†	-4.0	-0.0002	mg/L	0.00019	-0.0002	mg/L	0.00019	93.85%
Co 228.616†	-5.5	-0.0002	mg/L	0.00020	-0.0002	mg/L	0.00020	88.66%
Cr 267.716†	-10.9	-0.0003	mg/L	0.00030	-0.0003	mg/L	0.00030	110.71%
Cu 327.393†	-1362.9	-0.0123	mg/L	0.00039	-0.0123	mg/L	0.00039	3.18%
Fe 238.204†	-4.7	-0.0025	mg/L	0.00708	-0.0025	mg/L	0.00708	284.71%
K 766.490†	43.4	0.0177	mg/L	0.02404	0.0177	mg/L	0.02404	135.62%
Mg 285.213†	21.2	0.0029	mg/L	0.00525	0.0029	mg/L	0.00525	183.85%
Mn 257.610†	7.2	0.0005	mg/L	0.00052	0.0005	mg/L	0.00052	99.17%
Mo 202.031†	-5.6	-0.0004	mg/L	0.00045	-0.0004	mg/L	0.00045	109.09%
Na 589.592†	281.3	0.0231	mg/L	0.00213	0.0231	mg/L	0.00213	9.22%
Ni 231.604†	6.9	0.0003	mg/L	0.00024	0.0003	mg/L	0.00024	73.06%
Pb 220.353†	-4.8	-0.0020	mg/L	0.00132	-0.0020	mg/L	0.00132	64.95%
Sb 206.836†	-2.1	-0.0012	mg/L	0.00206	-0.0012	mg/L	0.00206	174.47%
Se 196.026†	0.8	0.0005	mg/L	0.00720	0.0005	mg/L	0.00720	>999.9%
Sn 189.927†	-0.1	-0.0000	mg/L	0.00085	-0.0000	mg/L	0.00085	>999.9%
Ti 337.279†	-2.9	-0.0002	mg/L	0.00017	-0.0002	mg/L	0.00017	79.44%
Tl 351.924†	11.5	0.0039	mg/L	0.01244	0.0039	mg/L	0.01244	318.22%
V 290.880†	80.8	0.0015	mg/L	0.00069	0.0015	mg/L	0.00069	44.88%
Zn 206.200†	-138.9	-0.0095	mg/L	0.00058	-0.0095	mg/L	0.00058	6.06%
Zr 343.823†	2.2	0.0000	mg/L	0.00017	0.0000	mg/L	0.00017	>999.9%

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Batch ID: OPTIMA 3
Sequence No.: 50 **Autosampler Location: 69**
Sample ID: B395932-MS1 **Date Collected: 1/4/2025 5:40:40 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample): 110

Mean Data: B395932-MS1

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y radial	121575.7	98.5	%	0.85	98.5	%	0.85	0.87%
Y axial	1960478.9	95.7	%	0.94	95.7	%	0.94	0.98%
Ag 328.068†	110749.6	1.914	mg/L	0.0340	1.914	mg/L	0.0340	1.78%
Al 396.153†	7533.5	2.006	mg/L	0.0136	2.006	mg/L	0.0136	0.68%
As 188.979†	1879.0	1.974	mg/L	0.0300	1.974	mg/L	0.0300	1.52%
B 208.889†	26138.6	3.968	mg/L	0.0723	3.968	mg/L	0.0723	1.82%
Ba 233.527†	3901.5	2.024	mg/L	0.0468	2.024	mg/L	0.0468	2.31%
Be 313.107†	413159.6	2.081	mg/L	0.0083	2.081	mg/L	0.0083	0.40%
Ca 317.933†	86919.0	24.68	mg/L	0.074	24.68	mg/L	0.074	0.30%
Cd 228.802†	52802.8	2.101	mg/L	0.0016	2.101	mg/L	0.0016	0.08%
Co 228.616†	49302.4	2.042	mg/L	0.0037	2.042	mg/L	0.0037	0.18%
Cr 267.716†	81839.1	2.044	mg/L	0.0044	2.044	mg/L	0.0044	0.22%
Cu 327.393†	445144.4	4.022	mg/L	0.0211	4.022	mg/L	0.0211	0.53%
Fe 238.204†	31264.8	16.42	mg/L	0.078	16.42	mg/L	0.078	0.47%
K 766.490†	41741.7	17.05	mg/L	0.054	17.05	mg/L	0.054	0.32%
Mg 285.213†	122341.3	16.48	mg/L	0.046	16.48	mg/L	0.046	0.28%

Mn 257.610†	27565.2	2.023	mg/L	0.0244	2.023	mg/L	0.0244	1.21%
Mo 202.031†	27935.9	2.061	mg/L	0.0281	2.061	mg/L	0.0281	1.36%
Na 589.592†	323203.9	26.55	mg/L	0.063	26.55	mg/L	0.063	0.24%
Ni 231.604†	42623.8	2.044	mg/L	0.0089	2.044	mg/L	0.0089	0.43%
Pb 220.353†	4836.1	2.036	mg/L	0.0311	2.036	mg/L	0.0311	1.53%
Sb 206.836†	3733.8	2.085	mg/L	0.0315	2.085	mg/L	0.0315	1.51%
Se 196.026†	3137.0	2.110	mg/L	0.0313	2.110	mg/L	0.0313	1.48%
Sn 189.927†	6741.6	1.992	mg/L	0.0268	1.992	mg/L	0.0268	1.35%
Ti 337.279†	27441.5	2.009	mg/L	0.0080	2.009	mg/L	0.0080	0.40%
Tl 351.924†	6302.5	2.134	mg/L	0.0360	2.134	mg/L	0.0360	1.69%
V 290.880†	105643.8	2.128	mg/L	0.0051	2.128	mg/L	0.0051	0.24%
Zn 206.200†	61454.4	4.234	mg/L	0.0144	4.234	mg/L	0.0144	0.34%
Zr 343.823†	-8.9	-0.0007	mg/L	0.00001	-0.0007	mg/L	0.00001	2.08%

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Batch ID: OPTIMA 3
Sequence No.: 51 **Autosampler Location: 70**
Sample ID: B395932-DUP1 **Date Collected: 1/4/2025 5:47:29 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample): 220

Mean Data: B395932-DUP1

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	121132.2	98.1	%	0.30	98.1	%	0.30	0.30%
Y axial	1992768.6	97.2	%	1.52	97.2	%	1.52	1.56%
Ag 328.068†	-2.0	-0.0000	mg/L	0.00059	-0.0000	mg/L	0.00059	>999.9%
Al 396.153†	63.0	0.0168	mg/L	0.00599	0.0168	mg/L	0.00599	35.76%
As 188.979†	2.7	0.0028	mg/L	0.00174	0.0028	mg/L	0.00174	61.36%
B 208.889†	283.3	0.0440	mg/L	0.00114	0.0440	mg/L	0.00114	2.58%
Ba 233.527†	12.4	0.0064	mg/L	0.00199	0.0064	mg/L	0.00199	30.96%
Be 313.107†	41.9	0.0002	mg/L	0.00002	0.0002	mg/L	0.00002	11.50%
Ca 317.933†	30230.9	8.585	mg/L	0.0133	8.585	mg/L	0.0133	0.15%
Cd 228.802†	-1.8	-0.0001	mg/L	0.00012	-0.0001	mg/L	0.00012	135.55%
Co 228.616†	32.8	0.0014	mg/L	0.00028	0.0014	mg/L	0.00028	20.59%
Cr 267.716†	-6.1	-0.0002	mg/L	0.00019	-0.0002	mg/L	0.00019	128.50%
Cu 327.393†	-1430.9	-0.0129	mg/L	0.00022	-0.0129	mg/L	0.00022	1.70%
Fe 238.204†	293.8	0.1539	mg/L	0.00566	0.1539	mg/L	0.00566	3.68%
K 766.490†	2256.9	0.9220	mg/L	0.02988	0.9220	mg/L	0.02988	3.24%
Mg 285.213†	4179.1	0.5604	mg/L	0.00297	0.5604	mg/L	0.00297	0.53%
Mn 257.610†	217.5	0.0160	mg/L	0.00019	0.0160	mg/L	0.00019	1.20%
Mo 202.031†	4.9	0.0004	mg/L	0.00040	0.0004	mg/L	0.00040	107.18%
Na 589.592†	128973.9	10.59	mg/L	0.021	10.59	mg/L	0.021	0.20%
Ni 231.604†	45.1	0.0022	mg/L	0.00036	0.0022	mg/L	0.00036	16.71%
Pb 220.353†	-0.1	-0.0001	mg/L	0.00153	-0.0001	mg/L	0.00153	>999.9%
Sb 206.836†	-0.9	-0.0005	mg/L	0.00188	-0.0005	mg/L	0.00188	351.22%
Se 196.026†	-8.2	-0.0057	mg/L	0.00396	-0.0057	mg/L	0.00396	69.21%
Sn 189.927†	-27.5	-0.0066	mg/L	0.00071	-0.0066	mg/L	0.00071	10.88%
Ti 337.279†	-11.2	-0.0008	mg/L	0.00049	-0.0008	mg/L	0.00049	59.38%
Tl 351.924†	6.4	0.0022	mg/L	0.01428	0.0022	mg/L	0.01428	654.53%
V 290.880†	52.0	0.0010	mg/L	0.00063	0.0010	mg/L	0.00063	62.06%
Zn 206.200†	-144.0	-0.0098	mg/L	0.00013	-0.0098	mg/L	0.00013	1.30%
Zr 343.823†	-10.2	-0.0001	mg/L	0.00023	-0.0001	mg/L	0.00023	300.12%

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Batch ID: OPTIMA 3
Sequence No.: 52 **Autosampler Location: 71**
Sample ID: 24L2003-01 **Date Collected: 1/4/2025 5:53:26 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample): 110

Mean Data: 24L2003-01

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD

Y radial	120844.1	97.9	%	0.65	97.9	%	0.65	0.66%
Y axial	1971841.7	96.2	%	1.08	96.2	%	1.08	1.12%
Ag 328.068†	-28.6	-0.0005	mg/L	0.00026	-0.0005	mg/L	0.00026	54.35%
Al 396.153†	83.3	0.0224	mg/L	0.00724	0.0224	mg/L	0.00724	32.33%
As 188.979†	0.1	0.0001	mg/L	0.00205	0.0001	mg/L	0.00205	>999.9%
B 208.889†	215.9	0.0335	mg/L	0.00120	0.0335	mg/L	0.00120	3.57%
Ba 233.527†	11.2	0.0058	mg/L	0.00100	0.0058	mg/L	0.00100	17.28%
Be 313.107†	40.2	0.0002	mg/L	0.00008	0.0002	mg/L	0.00008	39.14%
Ca 317.933†	30383.7	8.628	mg/L	0.0473	8.628	mg/L	0.0473	0.55%
Cd 228.802†	1.4	0.0001	mg/L	0.00017	0.0001	mg/L	0.00017	290.74%
Co 228.616†	30.7	0.0013	mg/L	0.00015	0.0013	mg/L	0.00015	11.79%
Cr 267.716†	-11.6	-0.0003	mg/L	0.00022	-0.0003	mg/L	0.00022	75.52%
Cu 327.393†	-1491.0	-0.0134	mg/L	0.00070	-0.0134	mg/L	0.00070	5.24%
Fe 238.204†	285.5	0.1495	mg/L	0.00023	0.1495	mg/L	0.00023	0.16%
K 766.490†	2299.8	0.9395	mg/L	0.03971	0.9395	mg/L	0.03971	4.23%
Mg 285.213†	4182.4	0.5609	mg/L	0.00136	0.5609	mg/L	0.00136	0.24%
Mn 257.610†	217.8	0.0160	mg/L	0.00009	0.0160	mg/L	0.00009	0.58%
Mo 202.031†	5.0	0.0004	mg/L	0.00056	0.0004	mg/L	0.00056	149.43%
Na 589.592†	129859.2	10.67	mg/L	0.031	10.67	mg/L	0.031	0.29%
Ni 231.604†	45.8	0.0022	mg/L	0.00022	0.0022	mg/L	0.00022	10.15%
Pb 220.353†	4.6	0.0019	mg/L	0.00097	0.0019	mg/L	0.00097	50.40%
Sb 206.836†	1.2	0.0007	mg/L	0.00276	0.0007	mg/L	0.00276	423.85%
Se 196.026†	0.8	0.0002	mg/L	0.00421	0.0002	mg/L	0.00421	>999.9%
Sn 189.927†	-22.4	-0.0051	mg/L	0.00067	-0.0051	mg/L	0.00067	13.20%
Ti 337.279†	1.1	0.0001	mg/L	0.00025	0.0001	mg/L	0.00025	326.09%
Tl 351.924†	-2.9	-0.0010	mg/L	0.00192	-0.0010	mg/L	0.00192	201.63%
V 290.880†	87.1	0.0017	mg/L	0.00064	0.0017	mg/L	0.00064	37.99%
Zn 206.200†	-144.4	-0.0098	mg/L	0.00024	-0.0098	mg/L	0.00024	2.45%
Zr 343.823†	-17.2	-0.0001	mg/L	0.00011	-0.0001	mg/L	0.00011	85.47%

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Batch ID: OPTIMA 3
Sequence No.: 53 **Autosampler Location: 72**
Sample ID: 24L2003-02 **Date Collected: 1/4/2025 5:59:24 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample): 110

Mean Data: 24L2003-02

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	121760.1	98.7	%	2.03	98.7	%	2.03	2.06%
Y axial	2019839.3	98.6	%	1.67	98.6	%	1.67	1.69%
Ag 328.068†	-10.5	-0.0002	mg/L	0.00055	-0.0002	mg/L	0.00055	308.58%
Al 396.153†	121.1	0.0335	mg/L	0.01192	0.0335	mg/L	0.01192	35.61%
As 188.979†	7.5	0.0079	mg/L	0.00258	0.0079	mg/L	0.00258	32.72%
B 208.889†	175.7	0.0273	mg/L	0.00157	0.0273	mg/L	0.00157	5.76%
Ba 233.527†	12.3	0.0064	mg/L	0.00055	0.0064	mg/L	0.00055	8.61%
Be 313.107†	26.2	0.0001	mg/L	0.00002	0.0001	mg/L	0.00002	19.11%
Ca 317.933†	8478.4	2.408	mg/L	0.0081	2.408	mg/L	0.0081	0.34%
Cd 228.802†	-0.1	-0.0001	mg/L	0.00016	-0.0001	mg/L	0.00016	292.10%
Co 228.616†	0.5	0.0000	mg/L	0.00023	0.0000	mg/L	0.00023	>999.9%
Cr 267.716†	-18.5	-0.0005	mg/L	0.00017	-0.0005	mg/L	0.00017	37.14%
Cu 327.393†	-1512.0	-0.0136	mg/L	0.00042	-0.0136	mg/L	0.00042	3.07%
Fe 238.204†	111.3	0.0583	mg/L	0.00238	0.0583	mg/L	0.00238	4.09%
K 766.490†	2188.9	0.8942	mg/L	0.01907	0.8942	mg/L	0.01907	2.13%
Mg 285.213†	3854.5	0.5184	mg/L	0.00067	0.5184	mg/L	0.00067	0.13%
Mn 257.610†	50.7	0.0037	mg/L	0.00035	0.0037	mg/L	0.00035	9.42%
Mo 202.031†	-6.0	-0.0004	mg/L	0.00022	-0.0004	mg/L	0.00022	50.38%
Na 589.592†	128494.0	10.55	mg/L	0.044	10.55	mg/L	0.044	0.41%
Ni 231.604†	14.9	0.0007	mg/L	0.00004	0.0007	mg/L	0.00004	4.94%
Pb 220.353†	1.2	0.0005	mg/L	0.00461	0.0005	mg/L	0.00461	893.99%
Sb 206.836†	-2.1	-0.0012	mg/L	0.00148	-0.0012	mg/L	0.00148	122.90%
Se 196.026†	5.9	0.0039	mg/L	0.00271	0.0039	mg/L	0.00271	70.35%
Sn 189.927†	-20.6	-0.0047	mg/L	0.00087	-0.0047	mg/L	0.00087	18.67%
Ti 337.279†	-5.1	-0.0004	mg/L	0.00014	-0.0004	mg/L	0.00014	37.47%
Tl 351.924†	-2.5	-0.0008	mg/L	0.00272	-0.0008	mg/L	0.00272	324.61%
V 290.880†	91.8	0.0017	mg/L	0.00060	0.0017	mg/L	0.00060	34.48%

Zn 206.200†	-81.0	-0.0055	mg/L	0.00040	-0.0055	mg/L	0.00040 7.33%
Zr 343.823†	6.8	0.0000	mg/L	0.00003	0.0000	mg/L	0.00003 77.91%

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Batch ID: OPTIMA 3
Sequence No.: 54 **Autosampler Location: 73**
Sample ID: 24L2003-03 **Date Collected: 1/4/2025 6:05:23 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample): 110

Mean Data: 24L2003-03

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	121323.9	98.3	%	0.36	98.3	%	0.36	0.37%
Y axial	2018688.8	98.5	%	1.58	98.5	%	1.58	1.60%
Ag 328.068†	-20.6	-0.0003	mg/L	0.00040	-0.0003	mg/L	0.00040	114.68%
Al 396.153†	63.7	0.0170	mg/L	0.00795	0.0170	mg/L	0.00795	46.71%
As 188.979†	2.6	0.0027	mg/L	0.00210	0.0027	mg/L	0.00210	77.73%
B 208.889†	155.8	0.0242	mg/L	0.00179	0.0242	mg/L	0.00179	7.40%
Ba 233.527†	9.8	0.0051	mg/L	0.00012	0.0051	mg/L	0.00012	2.28%
Be 313.107†	24.5	0.0001	mg/L	0.00005	0.0001	mg/L	0.00005	43.13%
Ca 317.933†	29552.4	8.392	mg/L	0.0564	8.392	mg/L	0.0564	0.67%
Cd 228.802†	-4.3	-0.0002	mg/L	0.00031	-0.0002	mg/L	0.00031	166.36%
Co 228.616†	29.3	0.0012	mg/L	0.00020	0.0012	mg/L	0.00020	16.52%
Cr 267.716†	-23.3	-0.0006	mg/L	0.00022	-0.0006	mg/L	0.00022	38.40%
Cu 327.393†	-1542.4	-0.0139	mg/L	0.00010	-0.0139	mg/L	0.00010	0.75%
Fe 238.204†	471.4	0.2469	mg/L	0.00069	0.2469	mg/L	0.00069	0.28%
K 766.490†	2202.9	0.8999	mg/L	0.03263	0.8999	mg/L	0.03263	3.63%
Mg 285.213†	4188.5	0.5618	mg/L	0.00075	0.5618	mg/L	0.00075	0.13%
Mn 257.610†	118.2	0.0087	mg/L	0.00007	0.0087	mg/L	0.00007	0.78%
Mo 202.031†	-6.1	-0.0004	mg/L	0.00052	-0.0004	mg/L	0.00052	121.25%
Na 589.592†	127846.9	10.50	mg/L	0.063	10.50	mg/L	0.063	0.60%
Ni 231.604†	48.5	0.0023	mg/L	0.00009	0.0023	mg/L	0.00009	3.96%
Pb 220.353†	-1.7	-0.0007	mg/L	0.00293	-0.0007	mg/L	0.00293	394.67%
Sb 206.836†	0.4	0.0002	mg/L	0.00129	0.0002	mg/L	0.00129	682.03%
Se 196.026†	2.7	0.0017	mg/L	0.00256	0.0017	mg/L	0.00256	152.98%
Sn 189.927†	-22.1	-0.0050	mg/L	0.00081	-0.0050	mg/L	0.00081	16.13%
Ti 337.279†	-0.8	-0.0001	mg/L	0.00025	-0.0001	mg/L	0.00025	418.79%
Tl 351.924†	-19.8	-0.0067	mg/L	0.00862	-0.0067	mg/L	0.00862	129.18%
V 290.880†	63.2	0.0012	mg/L	0.00090	0.0012	mg/L	0.00090	75.38%
Zn 206.200†	-155.8	-0.0106	mg/L	0.00012	-0.0106	mg/L	0.00012	1.17%
Zr 343.823†	4.2	0.0000	mg/L	0.00029	0.0000	mg/L	0.00029	>999.9%

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Batch ID: OPTIMA 3
Sequence No.: 55 **Autosampler Location: 74**
Sample ID: B396075-MS1 **Date Collected: 1/4/2025 6:11:22 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample): 110

Mean Data: B396075-MS1

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	121575.0	98.5	%	0.62	98.5	%	0.62	0.63%
Y axial	1944058.2	94.9	%	0.56	94.9	%	0.56	0.59%
Ag 328.068†	116206.1	2.008	mg/L	0.0481	2.008	mg/L	0.0481	2.40%
Al 396.153†	7959.7	2.115	mg/L	0.0050	2.115	mg/L	0.0050	0.24%
As 188.979†	2080.5	2.184	mg/L	0.0086	2.184	mg/L	0.0086	0.39%
B 208.889†	27002.9	4.101	mg/L	0.0234	4.101	mg/L	0.0234	0.57%
Ba 233.527†	4101.0	2.127	mg/L	0.0441	2.127	mg/L	0.0441	2.07%
Be 313.107†	423808.6	2.135	mg/L	0.0055	2.135	mg/L	0.0055	0.26%
Ca 317.933†	419716.1	119.2	mg/L	0.51	119.2	mg/L	0.51	0.43%
Cd 228.802†	53127.2	2.113	mg/L	0.0036	2.113	mg/L	0.0036	0.17%
Co 228.616†	49483.9	2.049	mg/L	0.0053	2.049	mg/L	0.0053	0.26%

Cr 267.716†	81989.8	2.047 mg/L	0.0083	2.047 mg/L	0.0083	0.40%
Cu 327.393†	492927.0	4.453 mg/L	0.0103	4.453 mg/L	0.0103	0.23%
Fe 238.204†	32497.3	17.07 mg/L	0.099	17.07 mg/L	0.099	0.58%
K 766.490†	61941.6	25.30 mg/L	0.100	25.30 mg/L	0.100	0.40%
Mg 285.213†	261631.1	35.21 mg/L	0.030	35.21 mg/L	0.030	0.08%
Mn 257.610†	35324.5	2.592 mg/L	0.0199	2.592 mg/L	0.0199	0.77%
Mo 202.031†	28350.6	2.092 mg/L	0.0138	2.092 mg/L	0.0138	0.66%
Na 589.592†	1114060.0	91.51 mg/L	0.191	91.51 mg/L	0.191	0.21%
Ni 231.604†	42834.4	2.054 mg/L	0.0107	2.054 mg/L	0.0107	0.52%
Pb 220.353†	4824.5	2.031 mg/L	0.0150	2.031 mg/L	0.0150	0.74%
Sb 206.836†	3732.8	2.084 mg/L	0.0130	2.084 mg/L	0.0130	0.62%
Se 196.026†	3328.6	2.233 mg/L	0.0143	2.233 mg/L	0.0143	0.64%
Sn 189.927†	6229.2	1.891 mg/L	0.0106	1.891 mg/L	0.0106	0.56%
Ti 337.279†	28439.5	2.082 mg/L	0.0201	2.082 mg/L	0.0201	0.96%
Tl 351.924†	6537.0	2.213 mg/L	0.0087	2.213 mg/L	0.0087	0.39%
V 290.880†	108406.3	2.182 mg/L	0.0015	2.182 mg/L	0.0015	0.07%
Zn 206.200†	61703.1	4.251 mg/L	0.0238	4.251 mg/L	0.0238	0.56%
Zr 343.823†	93.6	0.0000 mg/L	0.00004	0.0000 mg/L	0.00004	361.39%

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Batch ID: OPTIMA 3
Sequence No.: 56 **Autosampler Location: 75**
Sample ID: B396075-DUP1 **Date Collected: 1/4/2025 6:18:12 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample): 220

Mean Data: B396075-DUP1

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	122403.5	99.2	%	0.97	99.2	%	0.97	0.98%
Y axial	1955985.3	95.5	%	0.48	95.5	%	0.48	0.51%
Ag 328.068†	-33.0	-0.0006	mg/L	0.00048	-0.0006	mg/L	0.00048	85.56%
Al 396.153†	199.1	0.0454	mg/L	0.00506	0.0454	mg/L	0.00506	11.15%
As 188.979†	143.0	0.1488	mg/L	0.00805	0.1488	mg/L	0.00805	5.41%
B 208.889†	464.2	0.0712	mg/L	0.00082	0.0712	mg/L	0.00082	1.15%
Ba 233.527†	93.8	0.0487	mg/L	0.00236	0.0487	mg/L	0.00236	4.86%
Be 313.107†	40.5	0.0002	mg/L	0.00006	0.0002	mg/L	0.00006	31.08%
Ca 317.933†	367983.2	104.5	mg/L	1.22	104.5	mg/L	1.22	1.17%
Cd 228.802†	31.9	0.0003	mg/L	0.00013	0.0003	mg/L	0.00013	39.45%
Co 228.616†	33.7	0.0014	mg/L	0.00022	0.0014	mg/L	0.00022	15.43%
Cr 267.716†	149.7	0.0036	mg/L	0.00008	0.0036	mg/L	0.00008	2.14%
Cu 327.393†	-1005.4	-0.0090	mg/L	0.00032	-0.0090	mg/L	0.00032	3.53%
Fe 238.204†	654.3	0.3427	mg/L	0.00424	0.3427	mg/L	0.00424	1.24%
K 766.490†	21830.1	8.918	mg/L	0.0782	8.918	mg/L	0.0782	0.88%
Mg 285.213†	144243.4	19.39	mg/L	0.057	19.39	mg/L	0.057	0.29%
Mn 257.610†	7399.4	0.5429	mg/L	0.00555	0.5429	mg/L	0.00555	1.02%
Mo 202.031†	276.7	0.0204	mg/L	0.00052	0.0204	mg/L	0.00052	2.55%
Na 589.592†	920477.4	75.61	mg/L	0.569	75.61	mg/L	0.569	0.75%
Ni 231.604†	408.3	0.0195	mg/L	0.00019	0.0195	mg/L	0.00019	0.97%
Pb 220.353†	5.4	0.0022	mg/L	0.00272	0.0022	mg/L	0.00272	122.30%
Sb 206.836†	-4.4	-0.0036	mg/L	0.00267	-0.0036	mg/L	0.00267	74.18%
Se 196.026†	6.8	-0.0006	mg/L	0.00490	-0.0006	mg/L	0.00490	880.37%
Sn 189.927†	-633.4	-0.1350	mg/L	0.00147	-0.1350	mg/L	0.00147	1.09%
Ti 337.279†	13.3	0.0010	mg/L	0.00036	0.0010	mg/L	0.00036	37.17%
Tl 351.924†	-5.4	-0.0018	mg/L	0.00151	-0.0018	mg/L	0.00151	85.41%
V 290.880†	287.7	0.0063	mg/L	0.00096	0.0063	mg/L	0.00096	15.19%
Zn 206.200†	-127.4	-0.0083	mg/L	0.00008	-0.0083	mg/L	0.00008	0.92%
Zr 343.823†	98.5	0.0007	mg/L	0.00004	0.0007	mg/L	0.00004	6.24%

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Batch ID: OPTIMA 3
Sequence No.: 57 **Autosampler Location: 76**
Sample ID: 24L2010-01 **Date Collected: 1/4/2025 6:24:16 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample): 110

Mean Data: 24L2010-01

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y radial	120040.8	97.3	%	1.18	97.3	%	1.18	1.21%
Y axial	1939001.9	94.6	%	0.98	94.6	%	0.98	1.04%
Ag 328.068†	-81.7	-0.0014	mg/L	0.00087	-0.0014	mg/L	0.00087	62.30%
Al 396.153†	154.1	0.0330	mg/L	0.00154	0.0330	mg/L	0.00154	4.67%
As 188.979†	147.1	0.1532	mg/L	0.00485	0.1532	mg/L	0.00485	3.17%
B 208.889†	420.1	0.0643	mg/L	0.00238	0.0643	mg/L	0.00238	3.71%
Ba 233.527†	95.2	0.0494	mg/L	0.00112	0.0494	mg/L	0.00112	2.26%
Be 313.107†	29.2	0.0001	mg/L	0.00005	0.0001	mg/L	0.00005	38.06%
Ca 317.933†	364787.3	103.6	mg/L	0.39	103.6	mg/L	0.39	0.38%
Cd 228.802†	26.5	0.0001	mg/L	0.00012	0.0001	mg/L	0.00012	153.98%
Co 228.616†	36.2	0.0015	mg/L	0.00022	0.0015	mg/L	0.00022	14.29%
Cr 267.716†	142.3	0.0034	mg/L	0.00025	0.0034	mg/L	0.00025	7.20%
Cu 327.393†	-1023.8	-0.0092	mg/L	0.00035	-0.0092	mg/L	0.00035	3.82%
Fe 238.204†	655.9	0.3436	mg/L	0.00352	0.3436	mg/L	0.00352	1.02%
K 766.490†	21804.2	8.907	mg/L	0.0212	8.907	mg/L	0.0212	0.24%
Mg 285.213†	143658.6	19.32	mg/L	0.012	19.32	mg/L	0.012	0.06%
Mn 257.610†	7385.8	0.5419	mg/L	0.00183	0.5419	mg/L	0.00183	0.34%
Mo 202.031†	269.7	0.0199	mg/L	0.00035	0.0199	mg/L	0.00035	1.76%
Na 589.592†	917228.0	75.34	mg/L	0.809	75.34	mg/L	0.809	1.07%
Ni 231.604†	392.2	0.0188	mg/L	0.00086	0.0188	mg/L	0.00086	4.58%
Pb 220.353†	2.8	0.0011	mg/L	0.00289	0.0011	mg/L	0.00289	260.63%
Sb 206.836†	0.1	-0.0011	mg/L	0.00242	-0.0011	mg/L	0.00242	225.75%
Se 196.026†	-4.7	-0.0082	mg/L	0.00361	-0.0082	mg/L	0.00361	44.04%
Sn 189.927†	-633.8	-0.1353	mg/L	0.00295	-0.1353	mg/L	0.00295	2.18%
Ti 337.279†	1.3	0.0001	mg/L	0.00086	0.0001	mg/L	0.00086	880.32%
Tl 351.924†	-8.6	-0.0029	mg/L	0.00241	-0.0029	mg/L	0.00241	83.88%
V 290.880†	276.4	0.0061	mg/L	0.00150	0.0061	mg/L	0.00150	24.62%
Zn 206.200†	-130.5	-0.0085	mg/L	0.00006	-0.0085	mg/L	0.00006	0.74%
Zr 343.823†	82.2	0.0006	mg/L	0.00006	0.0006	mg/L	0.00006	11.58%

Batch ID: OPTIMA 3
Sequence No.: 58 **Autosampler Location: 77**
Sample ID: 24L2010-02 **Date Collected: 1/4/2025 6:30:19 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample): 110

Mean Data: 24L2010-02

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y radial	119619.4	96.9	%	2.01	96.9	%	2.01	2.07%
Y axial	1942132.7	94.8	%	0.42	94.8	%	0.42	0.44%
Ag 328.068†	-59.3	-0.0010	mg/L	0.00117	-0.0010	mg/L	0.00117	121.54%
Al 396.153†	169.0	0.0315	mg/L	0.00412	0.0315	mg/L	0.00412	13.08%
As 188.979†	22.2	0.0219	mg/L	0.00440	0.0219	mg/L	0.00440	20.06%
B 208.889†	463.2	0.0715	mg/L	0.00062	0.0715	mg/L	0.00062	0.87%
Ba 233.527†	305.0	0.1582	mg/L	0.00117	0.1582	mg/L	0.00117	0.74%
Be 313.107†	26.2	0.0001	mg/L	0.00004	0.0001	mg/L	0.00004	34.95%
Ca 317.933†	620035.5	176.1	mg/L	4.58	176.1	mg/L	4.58	2.60%
Cd 228.802†	2.2	-0.0001	mg/L	0.00006	-0.0001	mg/L	0.00006	99.03%
Co 228.616†	28.5	0.0012	mg/L	0.00032	0.0012	mg/L	0.00032	27.42%
Cr 267.716†	7.0	0.0000	mg/L	0.00009	0.0000	mg/L	0.00009	277.96%
Cu 327.393†	-1380.5	-0.0124	mg/L	0.00017	-0.0124	mg/L	0.00017	1.40%
Fe 238.204†	3495.7	1.831	mg/L	0.0414	1.831	mg/L	0.0414	2.26%
K 766.490†	15089.4	6.164	mg/L	0.0052	6.164	mg/L	0.0052	0.08%
Mg 285.213†	230111.1	30.94	mg/L	0.823	30.94	mg/L	0.823	2.66%
Mn 257.610†	10176.0	0.7466	mg/L	0.00223	0.7466	mg/L	0.00223	0.30%
Mo 202.031†	115.6	0.0087	mg/L	0.00024	0.0087	mg/L	0.00024	2.74%
Na 589.592†	655488.6	53.84	mg/L	1.431	53.84	mg/L	1.431	2.66%
Ni 231.604†	90.6	0.0043	mg/L	0.00026	0.0043	mg/L	0.00026	6.15%
Pb 220.353†	0.8	0.0001	mg/L	0.00055	0.0001	mg/L	0.00055	785.65%
Sb 206.836†	5.7	0.0014	mg/L	0.00284	0.0014	mg/L	0.00284	203.71%

Se 196.026†	-18.2	-0.0192	mg/L	0.00415	-0.0192	mg/L	0.00415 21.57%
Sn 189.927†	-890.6	-0.1806	mg/L	0.00601	-0.1806	mg/L	0.00601 3.33%
Ti 337.279†	2.8	0.0002	mg/L	0.00062	0.0002	mg/L	0.00062 303.72%
Tl 351.924†	5.4	0.0022	mg/L	0.00173	0.0022	mg/L	0.00173 80.34%
V 290.880†	238.3	0.0049	mg/L	0.00067	0.0049	mg/L	0.00067 13.79%
Zn 206.200†	1520.7	0.1047	mg/L	0.00073	0.1047	mg/L	0.00073 0.69%
Zr 343.823†	173.3	0.0011	mg/L	0.00004	0.0011	mg/L	0.00004 3.54%

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Batch ID: OPTIMA 3
Sequence No.: 59 **Autosampler Location: 5**
Sample ID: SEQ-CCV@ 23IJ0975 **Date Collected: 1/4/2025 6:36:25 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample): 110

Mean Data: SEQ-CCV@ 23IJ0975

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y radial	118795.4	96.3	%	0.97	96.3	%	0.97	1.01%
Y axial	1942283.2	94.8	%	0.15	94.8	%	0.15	0.16%
Ag 328.068†	138484.7	2.365	mg/L	0.0503	2.365	mg/L	0.0503	2.13%
QC value within limits for Ag 328.068 Recovery = 94.59%								
Al 396.153†	37159.4	10.06	mg/L	0.024	10.06	mg/L	0.024	0.24%
QC value within limits for Al 396.153 Recovery = 100.56%								
As 188.979†	4755.6	4.995	mg/L	0.0343	4.995	mg/L	0.0343	0.69%
QC value within limits for As 188.979 Recovery = 99.90%								
B 208.889†	32523.5	4.828	mg/L	0.0232	4.828	mg/L	0.0232	0.48%
QC value within limits for B 208.889 Recovery = 96.55%								
Ba 233.527†	9569.1	4.963	mg/L	0.0363	4.963	mg/L	0.0363	0.73%
QC value within limits for Ba 233.527 Recovery = 99.27%								
Be 313.107†	1009439.8	5.086	mg/L	0.0140	5.086	mg/L	0.0140	0.28%
QC value within limits for Be 313.107 Recovery = 101.73%								
Ca 317.933†	35546.7	10.09	mg/L	0.037	10.09	mg/L	0.037	0.37%
QC value within limits for Ca 317.933 Recovery = 100.94%								
Cd 228.802†	127311.3	5.065	mg/L	0.0123	5.065	mg/L	0.0123	0.24%
QC value within limits for Cd 228.802 Recovery = 101.30%								
Co 228.616†	121860.0	5.047	mg/L	0.0160	5.047	mg/L	0.0160	0.32%
QC value within limits for Co 228.616 Recovery = 100.94%								
Cr 267.716†	202501.2	5.057	mg/L	0.0140	5.057	mg/L	0.0140	0.28%
QC value within limits for Cr 267.716 Recovery = 101.13%								
Cu 327.393†	556751.3	5.042	mg/L	0.0082	5.042	mg/L	0.0082	0.16%
QC value within limits for Cu 327.393 Recovery = 100.84%								
Fe 238.204†	9477.8	5.082	mg/L	0.0279	5.082	mg/L	0.0279	0.55%
QC value within limits for Fe 238.204 Recovery = 101.63%								
K 766.490†	24891.6	10.17	mg/L	0.061	10.17	mg/L	0.061	0.60%
QC value within limits for K 766.490 Recovery = 101.69%								
Mg 285.213†	75699.2	10.14	mg/L	0.040	10.14	mg/L	0.040	0.40%
QC value within limits for Mg 285.213 Recovery = 101.44%								
Mn 257.610†	68887.6	5.055	mg/L	0.0176	5.055	mg/L	0.0176	0.35%
QC value within limits for Mn 257.610 Recovery = 101.10%								
Mo 202.031†	68569.2	5.056	mg/L	0.0079	5.056	mg/L	0.0079	0.16%
QC value within limits for Mo 202.031 Recovery = 101.12%								
Na 589.592†	122555.4	10.07	mg/L	0.022	10.07	mg/L	0.022	0.22%
QC value within limits for Na 589.592 Recovery = 100.67%								
Ni 231.604†	105069.6	5.040	mg/L	0.0140	5.040	mg/L	0.0140	0.28%
QC value within limits for Ni 231.604 Recovery = 100.80%								
Pb 220.353†	11793.4	4.974	mg/L	0.0331	4.974	mg/L	0.0331	0.67%
QC value within limits for Pb 220.353 Recovery = 99.49%								
Sb 206.836†	8932.1	4.993	mg/L	0.0302	4.993	mg/L	0.0302	0.60%
QC value within limits for Sb 206.836 Recovery = 99.86%								
Se 196.026†	7490.1	5.000	mg/L	0.0291	5.000	mg/L	0.0291	0.58%
QC value within limits for Se 196.026 Recovery = 99.99%								
Sn 189.927†	17383.3	5.051	mg/L	0.0275	5.051	mg/L	0.0275	0.55%
QC value within limits for Sn 189.927 Recovery = 101.03%								
Ti 337.279†	69006.3	5.061	mg/L	0.0161	5.061	mg/L	0.0161	0.32%
QC value within limits for Ti 337.279 Recovery = 101.22%								
Tl 351.924†	7581.7	2.695	mg/L	0.0164	2.695	mg/L	0.0164	0.61%

QC value within limits for Tl 351.924 Recovery = 107.79%
V 290.880† 259188.7 5.223 mg/L 0.0163 5.223 mg/L 0.0163 0.31%
QC value within limits for V 290.880 Recovery = 104.45%
Zn 206.200† 73638.6 5.096 mg/L 0.0247 5.096 mg/L 0.0247 0.48%
QC value within limits for Zn 206.200 Recovery = 101.91%
Zr 343.823† 716644.7 4.984 mg/L 0.0152 4.984 mg/L 0.0152 0.31%
All analyte(s) passed QC.

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Batch ID: OPTIMA 3
Sequence No.: 60 **Autosampler Location: 1**
Sample ID: SEQ-CCB@ 23J0970 **Date Collected: 1/4/2025 6:43:16 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample): 220

Mean Data: SEQ-CCB@ 23J0970

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y radial	120269.3	97.4	%	0.74	97.4	%	0.74	0.76%
Y axial	1982930.7	96.8	%	1.39	96.8	%	1.39	1.43%
Ag 328.068†	214.4	0.0037	mg/L	0.00078	0.0037	mg/L	0.00078	20.98%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	-2.0	-0.0005	mg/L	0.01222	-0.0005	mg/L	0.01222	>999.9%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	4.6	0.0048	mg/L	0.00373	0.0048	mg/L	0.00373	77.23%
QC value within limits for As 188.979 Recovery = Not calculated								
B 208.889†	219.2	0.0340	mg/L	0.00121	0.0340	mg/L	0.00121	3.55%
QC value within limits for B 208.889 Recovery = Not calculated								
Ba 233.527†	1.8	0.0010	mg/L	0.00233	0.0010	mg/L	0.00233	243.31%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	21.4	0.0001	mg/L	0.00006	0.0001	mg/L	0.00006	61.42%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 317.933†	-8.0	-0.0023	mg/L	0.00161	-0.0023	mg/L	0.00161	71.23%
QC value within limits for Ca 317.933 Recovery = Not calculated								
Cd 228.802†	12.6	0.0005	mg/L	0.00022	0.0005	mg/L	0.00022	47.78%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	-3.2	-0.0001	mg/L	0.00007	-0.0001	mg/L	0.00007	55.50%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	16.0	0.0004	mg/L	0.00023	0.0004	mg/L	0.00023	56.91%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	-166.5	-0.0015	mg/L	0.00058	-0.0015	mg/L	0.00058	38.51%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 238.204†	-9.7	-0.0051	mg/L	0.00217	-0.0051	mg/L	0.00217	42.80%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490†	-36.5	-0.0149	mg/L	0.01887	-0.0149	mg/L	0.01887	126.39%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213†	-7.1	-0.0010	mg/L	0.00015	-0.0010	mg/L	0.00015	16.09%
QC value within limits for Mg 285.213 Recovery = Not calculated								
Mn 257.610†	3.5	0.0003	mg/L	0.00035	0.0003	mg/L	0.00035	135.64%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-4.3	-0.0003	mg/L	0.00023	-0.0003	mg/L	0.00023	72.35%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	375.0	0.0308	mg/L	0.00529	0.0308	mg/L	0.00529	17.18%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	4.0	0.0002	mg/L	0.00039	0.0002	mg/L	0.00039	203.15%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	4.2	0.0018	mg/L	0.00178	0.0018	mg/L	0.00178	100.52%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	-1.9	-0.0010	mg/L	0.00176	-0.0010	mg/L	0.00176	168.42%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	2.5	0.0017	mg/L	0.00285	0.0017	mg/L	0.00285	169.10%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	-0.9	-0.0003	mg/L	0.00037	-0.0003	mg/L	0.00037	143.10%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 337.279†	1.0	0.0001	mg/L	0.00010	0.0001	mg/L	0.00010	140.10%
QC value within limits for Ti 337.279 Recovery = Not calculated								
Tl 351.924†	-0.7	-0.0003	mg/L	0.01272	-0.0003	mg/L	0.01272	>999.9%

QC value within limits for Tl 351.924 Recovery = Not calculated

V 290.880†	67.4	0.0013	mg/L	0.00080	0.0013	mg/L	0.00080 61.97%

QC value within limits for V 290.880 Recovery = Not calculated

Zn 206.200†	-38.3	-0.0026	mg/L	0.00072	-0.0026	mg/L	0.00072 27.47%

QC value within limits for Zn 206.200 Recovery = Not calculated

Zr 343.823†	-22.9	-0.0002	mg/L	0.00029	-0.0002	mg/L	0.00029 183.21%

All analyte(s) passed QC.

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Batch ID: OPTIMA 3
Sequence No.: 61 **Autosampler Location: 78**
Sample ID: 24L2010-03 **Date Collected: 1/4/2025 6:49:12 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample): 110

Mean Data: 24L2010-03

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	123062.5	99.7	%	0.90	99.7	%	0.90	0.90%
Y axial	2002640.7	97.7	%	1.66	97.7	%	1.66	1.70%
Ag 328.068†	-51.7	-0.0008	mg/L	0.00030	-0.0008	mg/L	0.00030	39.33%
Al 396.153†	61.6	0.0123	mg/L	0.00267	0.0123	mg/L	0.00267	21.62%
As 188.979†	274.7	0.2874	mg/L	0.00997	0.2874	mg/L	0.00997	3.47%
B 208.889†	365.3	0.0554	mg/L	0.00215	0.0554	mg/L	0.00215	3.88%
Ba 233.527†	68.7	0.0357	mg/L	0.00211	0.0357	mg/L	0.00211	5.91%
Be 313.107†	13.1	0.0001	mg/L	0.00009	0.0001	mg/L	0.00009	177.55%
Ca 317.933†	153468.3	43.58	mg/L	0.169	43.58	mg/L	0.169	0.39%
Cd 228.802†	28.4	-0.0007	mg/L	0.00007	-0.0007	mg/L	0.00007	9.80%
Co 228.616†	45.5	0.0019	mg/L	0.00028	0.0019	mg/L	0.00028	14.63%
Cr 267.716†	155.6	0.0039	mg/L	0.00018	0.0039	mg/L	0.00018	4.59%
Cu 327.393†	-866.8	-0.0077	mg/L	0.00048	-0.0077	mg/L	0.00048	6.29%
Fe 238.204†	6615.8	3.465	mg/L	0.0195	3.465	mg/L	0.0195	0.56%
K 766.490†	10276.5	4.198	mg/L	0.0219	4.198	mg/L	0.0219	0.52%
Mg 285.213†	83331.6	11.21	mg/L	0.022	11.21	mg/L	0.022	0.19%
Mn 257.610†	3547.8	0.2603	mg/L	0.00096	0.2603	mg/L	0.00096	0.37%
Mo 202.031†	398.6	0.0297	mg/L	0.00076	0.0297	mg/L	0.00076	2.55%
Na 589.592†	626155.0	51.43	mg/L	0.128	51.43	mg/L	0.128	0.25%
Ni 231.604†	295.9	0.0142	mg/L	0.00015	0.0142	mg/L	0.00015	1.09%
Pb 220.353†	4.8	0.0017	mg/L	0.00369	0.0017	mg/L	0.00369	220.94%
Sb 206.836†	-3.9	-0.0027	mg/L	0.00271	-0.0027	mg/L	0.00271	101.51%
Se 196.026†	-7.5	-0.0032	mg/L	0.00501	-0.0032	mg/L	0.00501	154.98%
Sn 189.927†	-404.8	-0.0892	mg/L	0.00471	-0.0892	mg/L	0.00471	5.28%
Ti 337.279†	-2.5	-0.0002	mg/L	0.00055	-0.0002	mg/L	0.00055	307.51%
Tl 351.924†	-4.7	-0.0010	mg/L	0.00255	-0.0010	mg/L	0.00255	254.69%
V 290.880†	131.7	0.0035	mg/L	0.00043	0.0035	mg/L	0.00043	12.12%
Zn 206.200†	-173.3	-0.0115	mg/L	0.00042	-0.0115	mg/L	0.00042	3.69%
Zr 343.823†	198.6	0.0013	mg/L	0.00006	0.0013	mg/L	0.00006	4.54%

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Batch ID: OPTIMA 3
Sequence No.: 62 **Autosampler Location: 79**
Sample ID: 24L2010-10 **Date Collected: 1/4/2025 6:55:16 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample): 110

Mean Data: 24L2010-10

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	120041.6	97.3	%	0.64	97.3	%	0.64	0.66%
Y axial	1925948.4	94.0	%	0.87	94.0	%	0.87	0.92%
Ag 328.068†	-70.6	-0.0012	mg/L	0.00032	-0.0012	mg/L	0.00032	26.38%
Al 396.153†	132.5	0.0237	mg/L	0.01440	0.0237	mg/L	0.01440	60.84%
As 188.979†	7.4	0.0073	mg/L	0.00301	0.0073	mg/L	0.00301	41.52%
B 208.889†	153.9	0.0238	mg/L	0.00088	0.0238	mg/L	0.00088	3.72%

Ba 233.527†	49.9	0.0259	mg/L	0.00026	0.0259	mg/L	0.00026 1.01%
Be 313.107†	35.5	0.0002	mg/L	0.00004	0.0002	mg/L	0.00004 25.66%
Ca 317.933†	529717.5	150.4	mg/L	0.19	150.4	mg/L	0.19 0.13%
Cd 228.802†	2.7	0.0001	mg/L	0.00010	0.0001	mg/L	0.00010 167.29%
Co 228.616†	13.0	0.0005	mg/L	0.00017	0.0005	mg/L	0.00017 32.31%
Cr 267.716†	7.3	0.0001	mg/L	0.00026	0.0001	mg/L	0.00026 263.53%
Cu 327.393†	-1161.0	-0.0105	mg/L	0.00006	-0.0105	mg/L	0.00006 0.61%
Fe 238.204†	1.2	0.0007	mg/L	0.00195	0.0007	mg/L	0.00195 299.09%
K 766.490†	542.3	0.2215	mg/L	0.03641	0.2215	mg/L	0.03641 16.44%
Mg 285.213†	75803.5	10.16	mg/L	0.107	10.16	mg/L	0.107 1.05%
Mn 257.610†	4019.7	0.2949	mg/L	0.00386	0.2949	mg/L	0.00386 1.31%
Mo 202.031†	34.8	0.0026	mg/L	0.00043	0.0026	mg/L	0.00043 16.56%
Na 589.592†	208610.2	17.13	mg/L	0.056	17.13	mg/L	0.056 0.33%
Ni 231.604†	34.0	0.0016	mg/L	0.00011	0.0016	mg/L	0.00011 6.71%
Pb 220.353†	0.3	0.0001	mg/L	0.00128	0.0001	mg/L	0.00128 >999.9%
Sb 206.836†	-3.9	-0.0029	mg/L	0.00363	-0.0029	mg/L	0.00363 125.89%
Se 196.026†	-18.3	-0.0199	mg/L	0.00441	-0.0199	mg/L	0.00441 22.14%
Sn 189.927†	-366.6	-0.0807	mg/L	0.00225	-0.0807	mg/L	0.00225 2.79%
Ti 337.279†	-4.5	-0.0003	mg/L	0.00056	-0.0003	mg/L	0.00056 169.52%
Tl 351.924†	-1.9	-0.0007	mg/L	0.00442	-0.0007	mg/L	0.00442 677.40%
V 290.880†	137.6	0.0028	mg/L	0.00063	0.0028	mg/L	0.00063 22.75%
Zn 206.200†	-150.3	-0.0103	mg/L	0.00009	-0.0103	mg/L	0.00009 0.90%
Zr 343.823†	27.6	0.0002	mg/L	0.00003	0.0002	mg/L	0.00003 16.34%

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Batch ID: OPTIMA 3
Sequence No.: 63 **Autosampler Location: 80**
Sample ID: B395847-MS1 **Date Collected: 1/4/2025 7:01:19 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample): 110

Mean Data: B395847-MS1

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	121151.6	98.2	%	0.06	98.2	%	0.06	0.06%
Y axial	1886411.8	92.1	%	1.42	92.1	%	1.42	1.54%
Ag 328.068†	114801.5	1.984	mg/L	0.0295	1.984	mg/L	0.0295	1.49%
Al 396.153†	7771.4	2.069	mg/L	0.0579	2.069	mg/L	0.0579	2.80%
As 188.979†	1948.1	2.046	mg/L	0.0270	2.046	mg/L	0.0270	1.32%
B 208.889†	27778.1	4.221	mg/L	0.0593	4.221	mg/L	0.0593	1.41%
Ba 233.527†	4060.6	2.106	mg/L	0.0695	2.106	mg/L	0.0695	3.30%
Be 313.107†	412860.5	2.079	mg/L	0.0006	2.079	mg/L	0.0006	0.03%
Ca 317.933†	181187.8	51.45	mg/L	0.018	51.45	mg/L	0.018	0.03%
Cd 228.802†	54025.7	2.149	mg/L	0.0042	2.149	mg/L	0.0042	0.19%
Co 228.616†	49425.5	2.047	mg/L	0.0024	2.047	mg/L	0.0024	0.12%
Cr 267.716†	81658.6	2.037	mg/L	0.0041	2.037	mg/L	0.0041	0.20%
Cu 327.393†	452150.2	4.085	mg/L	0.0166	4.085	mg/L	0.0166	0.41%
Fe 238.204†	34848.7	18.30	mg/L	0.562	18.30	mg/L	0.562	3.07%
K 766.490†	44678.8	18.25	mg/L	0.076	18.25	mg/L	0.076	0.42%
Mg 285.213†	144224.0	19.42	mg/L	0.027	19.42	mg/L	0.027	0.14%
Mn 257.610†	121375.7	8.906	mg/L	0.0081	8.906	mg/L	0.0081	0.09%
Mo 202.031†	28368.4	2.093	mg/L	0.0264	2.093	mg/L	0.0264	1.26%
Na 589.592†	1698959.6	139.6	mg/L	0.80	139.6	mg/L	0.80	0.57%
Ni 231.604†	42517.7	2.039	mg/L	0.0065	2.039	mg/L	0.0065	0.32%
Pb 220.353†	4929.9	2.075	mg/L	0.0291	2.075	mg/L	0.0291	1.40%
Sb 206.836†	3824.6	2.136	mg/L	0.0237	2.136	mg/L	0.0237	1.11%
Se 196.026†	3362.2	2.257	mg/L	0.0291	2.257	mg/L	0.0291	1.29%
Sn 189.927†	6681.5	1.982	mg/L	0.0210	1.982	mg/L	0.0210	1.06%
Ti 337.279†	27497.1	2.013	mg/L	0.0633	2.013	mg/L	0.0633	3.15%
Tl 351.924†	6607.1	2.238	mg/L	0.0250	2.238	mg/L	0.0250	1.12%
V 290.880†	106987.2	2.155	mg/L	0.0123	2.155	mg/L	0.0123	0.57%
Zn 206.200†	62461.8	4.303	mg/L	0.0220	4.303	mg/L	0.0220	0.51%
Zr 343.823†	5.9	-0.0006	mg/L	0.00022	-0.0006	mg/L	0.00022	34.12%

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Batch ID: OPTIMA 3
Sequence No.: 64 **Autosampler Location: 81**

Sample ID: B395847-DUP1
Analyst:
Initial Sample Wt:
Dilution:
Rinse Time (before sample): 220

Date Collected: 1/4/2025 7:08:07 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: B395847-DUP1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y radial	122391.8	99.2	%	2.05	99.2	%	2.05	2.07%
Y axial	1970946.9	96.2	%	0.28	96.2	%	0.28	0.29%
Ag 328.068†	-11.6	-0.0001	mg/L	0.00023	-0.0001	mg/L	0.00023	187.94%
Al 396.153†	198.0	0.0520	mg/L	0.00302	0.0520	mg/L	0.00302	5.81%
As 188.979†	5.0	0.0052	mg/L	0.00529	0.0052	mg/L	0.00529	100.90%
B 208.889†	571.2	0.0886	mg/L	0.00080	0.0886	mg/L	0.00080	0.90%
Ba 233.527†	32.3	0.0168	mg/L	0.00076	0.0168	mg/L	0.00076	4.50%
Be 313.107†	44.1	0.0002	mg/L	0.00003	0.0002	mg/L	0.00003	16.87%
Ca 317.933†	127538.0	36.22	mg/L	0.115	36.22	mg/L	0.115	0.32%
Cd 228.802†	11.0	0.0004	mg/L	0.00014	0.0004	mg/L	0.00014	32.33%
Co 228.616†	97.2	0.0040	mg/L	0.00041	0.0040	mg/L	0.00041	10.30%
Cr 267.716†	63.5	-0.0003	mg/L	0.00027	-0.0003	mg/L	0.00027	84.39%
Cu 327.393†	-904.4	-0.0081	mg/L	0.00037	-0.0081	mg/L	0.00037	4.57%
Fe 238.204†	4006.9	2.099	mg/L	0.0245	2.099	mg/L	0.0245	1.17%
K 766.490†	5089.2	2.079	mg/L	0.0141	2.079	mg/L	0.0141	0.68%
Mg 285.213†	26252.3	3.527	mg/L	0.0126	3.527	mg/L	0.0126	0.36%
Mn 257.610†	97174.2	7.129	mg/L	0.0138	7.129	mg/L	0.0138	0.19%
Mo 202.031†	19.4	0.0016	mg/L	0.00064	0.0016	mg/L	0.00064	39.70%
Na 589.592†	1560679.7	128.2	mg/L	4.81	128.2	mg/L	4.81	3.75%
Ni 231.604†	123.5	0.0052	mg/L	0.00026	0.0052	mg/L	0.00026	4.95%
Pb 220.353†	9.4	0.0028	mg/L	0.00189	0.0028	mg/L	0.00189	67.34%
Sb 206.836†	-3.6	-0.0023	mg/L	0.00331	-0.0023	mg/L	0.00331	144.66%
Se 196.026†	3.6	-0.0008	mg/L	0.00541	-0.0008	mg/L	0.00541	682.77%
Sn 189.927†	-139.9	-0.0317	mg/L	0.00122	-0.0317	mg/L	0.00122	3.83%
Ti 337.279†	25.4	0.0019	mg/L	0.00047	0.0019	mg/L	0.00047	25.39%
Tl 351.924†	2.1	0.0011	mg/L	0.00405	0.0011	mg/L	0.00405	383.22%
V 290.880†	221.2	0.0042	mg/L	0.00099	0.0042	mg/L	0.00099	23.32%
Zn 206.200†	-93.2	-0.0062	mg/L	0.00034	-0.0062	mg/L	0.00034	5.50%
Zr 343.823†	-5.4	-0.0001	mg/L	0.00006	-0.0001	mg/L	0.00006	49.67%

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Batch ID: OPTIMA 3
Sequence No.: 65
Sample ID: 24L1962-01
Analyst:
Initial Sample Wt:
Dilution:
Rinse Time (before sample): 110

Autosampler Location: 82
Date Collected: 1/4/2025 7:14:14 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 24L1962-01

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y radial	121448.3	98.4	%	0.53	98.4	%	0.53	0.54%
Y axial	1980027.3	96.6	%	1.26	96.6	%	1.26	1.31%
Ag 328.068†	-46.3	-0.0007	mg/L	0.00102	-0.0007	mg/L	0.00102	141.43%
Al 396.153†	153.0	0.0395	mg/L	0.00250	0.0395	mg/L	0.00250	6.33%
As 188.979†	8.4	0.0088	mg/L	0.00376	0.0088	mg/L	0.00376	42.52%
B 208.889†	519.6	0.0806	mg/L	0.00384	0.0806	mg/L	0.00384	4.76%
Ba 233.527†	34.2	0.0178	mg/L	0.00074	0.0178	mg/L	0.00074	4.19%
Be 313.107†	33.0	0.0001	mg/L	0.00002	0.0001	mg/L	0.00002	16.60%
Ca 317.933†	128443.7	36.47	mg/L	0.127	36.47	mg/L	0.127	0.35%
Cd 228.802†	7.7	0.0003	mg/L	0.00012	0.0003	mg/L	0.00012	43.63%
Co 228.616†	95.7	0.0040	mg/L	0.00029	0.0040	mg/L	0.00029	7.36%
Cr 267.716†	62.1	-0.0004	mg/L	0.00003	-0.0004	mg/L	0.00003	8.42%
Cu 327.393†	-992.4	-0.0089	mg/L	0.00024	-0.0089	mg/L	0.00024	2.76%
Fe 238.204†	4094.7	2.145	mg/L	0.0136	2.145	mg/L	0.0136	0.63%
K 766.490†	5085.1	2.077	mg/L	0.0168	2.077	mg/L	0.0168	0.81%
Mg 285.213†	26370.3	3.542	mg/L	0.0128	3.542	mg/L	0.0128	0.36%
Mn 257.610†	97545.1	7.157	mg/L	0.0235	7.157	mg/L	0.0235	0.33%

Mo 202.031†	17.9	0.0015	mg/L	0.00017	0.0015	mg/L	0.00017 11.30%
Na 589.592†	1561248.7	128.2	mg/L	2.68	128.2	mg/L	2.68 2.09%
Ni 231.604†	128.5	0.0054	mg/L	0.00026	0.0054	mg/L	0.00026 4.84%
Pb 220.353†	9.5	0.0028	mg/L	0.00138	0.0028	mg/L	0.00138 49.09%
Sb 206.836†	0.9	0.0002	mg/L	0.00282	0.0002	mg/L	0.00282 >999.9%
Se 196.026†	10.8	0.0040	mg/L	0.00419	0.0040	mg/L	0.00419 104.22%
Sn 189.927†	-136.7	-0.0307	mg/L	0.00139	-0.0307	mg/L	0.00139 4.54%
Ti 337.279†	20.6	0.0015	mg/L	0.00068	0.0015	mg/L	0.00068 45.00%
Tl 351.924†	-6.3	-0.0018	mg/L	0.00147	-0.0018	mg/L	0.00147 81.62%
V 290.880†	222.4	0.0043	mg/L	0.00065	0.0043	mg/L	0.00065 15.30%
Zn 206.200†	-99.9	-0.0066	mg/L	0.00025	-0.0066	mg/L	0.00025 3.74%
Zr 343.823†	2.7	-0.0001	mg/L	0.00014	-0.0001	mg/L	0.00014 226.21%

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Batch ID: OPTIMA 3
Sequence No.: 66 **Autosampler Location: 83**
Sample ID: 24L1962-02 **Date Collected: 1/4/2025 7:20:19 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample): 110

Mean Data: 24L1962-02

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	124757.3	101	%	1.93	101	%	1.93	1.91%
Y axial	1984316.8	96.8	%	1.92	96.8	%	1.92	1.98%
Ag 328.068†	-38.4	-0.0007	mg/L	0.00065	-0.0007	mg/L	0.00065	97.82%
Al 396.153†	30.0	0.0071	mg/L	0.00966	0.0071	mg/L	0.00966	135.69%
As 188.979†	5.5	0.0057	mg/L	0.00113	0.0057	mg/L	0.00113	19.79%
B 208.889†	328.2	0.0509	mg/L	0.00158	0.0509	mg/L	0.00158	3.10%
Ba 233.527†	86.4	0.0448	mg/L	0.00140	0.0448	mg/L	0.00140	3.12%
Be 313.107†	49.9	0.0002	mg/L	0.00015	0.0002	mg/L	0.00015	63.60%
Ca 317.933†	47238.2	13.41	mg/L	0.068	13.41	mg/L	0.068	0.50%
Cd 228.802†	2.9	0.0001	mg/L	0.00025	0.0001	mg/L	0.00025	317.96%
Co 228.616†	5.5	0.0002	mg/L	0.00031	0.0002	mg/L	0.00031	141.79%
Cr 267.716†	8.1	0.0002	mg/L	0.00012	0.0002	mg/L	0.00012	57.09%
Cu 327.393†	-1284.3	-0.0116	mg/L	0.00040	-0.0116	mg/L	0.00040	3.45%
Fe 238.204†	-3.2	-0.0017	mg/L	0.00474	-0.0017	mg/L	0.00474	286.86%
K 766.490†	3390.6	1.385	mg/L	0.0142	1.385	mg/L	0.0142	1.02%
Mg 285.213†	9327.6	1.252	mg/L	0.0000	1.252	mg/L	0.0000	0.00%
Mn 257.610†	25.3	0.0019	mg/L	0.00060	0.0019	mg/L	0.00060	32.25%
Mo 202.031†	14.0	0.0010	mg/L	0.00014	0.0010	mg/L	0.00014	13.36%
Na 589.592†	907969.2	74.58	mg/L	0.547	74.58	mg/L	0.547	0.73%
Ni 231.604†	16.0	0.0008	mg/L	0.00015	0.0008	mg/L	0.00015	20.08%
Pb 220.353†	1.6	0.0007	mg/L	0.00127	0.0007	mg/L	0.00127	187.02%
Sb 206.836†	-2.1	-0.0013	mg/L	0.00245	-0.0013	mg/L	0.00245	190.64%
Se 196.026†	0.1	-0.0006	mg/L	0.00090	-0.0006	mg/L	0.00090	149.45%
Sn 189.927†	-49.9	-0.0113	mg/L	0.00027	-0.0113	mg/L	0.00027	2.35%
Ti 337.279†	-3.5	-0.0003	mg/L	0.00058	-0.0003	mg/L	0.00058	223.34%
Tl 351.924†	-0.4	-0.0001	mg/L	0.00389	-0.0001	mg/L	0.00389	>999.9%
V 290.880†	124.2	0.0024	mg/L	0.00113	0.0024	mg/L	0.00113	46.45%
Zn 206.200†	-143.1	-0.0097	mg/L	0.00065	-0.0097	mg/L	0.00065	6.67%
Zr 343.823†	6.8	0.0000	mg/L	0.00033	0.0000	mg/L	0.00033	702.28%

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Batch ID: OPTIMA 3
Sequence No.: 67 **Autosampler Location: 84**
Sample ID: 24L1962-03 **Date Collected: 1/4/2025 7:26:24 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample): 110

Mean Data: 24L1962-03

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	123240.9	99.9	%	0.78	99.9	%	0.78	0.78%

Y axial	2002620.3	97.7	%	0.91	97.7	%	0.91	0.93%
Ag 328.068†	-45.5	-0.0008	mg/L	0.00034	-0.0008	mg/L	0.00034	43.53%
Al 396.153†	127.0	0.0291	mg/L	0.00458	0.0291	mg/L	0.00458	15.74%
As 188.979†	5.8	0.0058	mg/L	0.00300	0.0058	mg/L	0.00300	51.60%
B 208.889†	1877.1	0.2913	mg/L	0.00190	0.2913	mg/L	0.00190	0.65%
Ba 233.527†	107.4	0.0557	mg/L	0.00245	0.0557	mg/L	0.00245	4.40%
Be 313.107†	44.2	0.0002	mg/L	0.00000	0.0002	mg/L	0.00000	0.87%
Ca 317.933†	247458.0	70.27	mg/L	0.080	70.27	mg/L	0.080	0.11%
Cd 228.802†	6.4	0.0002	mg/L	0.00028	0.0002	mg/L	0.00028	130.70%
Co 228.616†	5.8	0.0002	mg/L	0.00006	0.0002	mg/L	0.00006	27.68%
Cr 267.716†	-12.3	-0.0003	mg/L	0.00033	-0.0003	mg/L	0.00033	106.48%
Cu 327.393†	-810.5	-0.0073	mg/L	0.00033	-0.0073	mg/L	0.00033	4.49%
Fe 238.204†	9.9	0.0052	mg/L	0.00119	0.0052	mg/L	0.00119	22.86%
K 766.490†	3156.1	1.289	mg/L	0.0162	1.289	mg/L	0.0162	1.26%
Mg 285.213†	48128.4	6.461	mg/L	0.1013	6.461	mg/L	0.1013	1.57%
Mn 257.610†	69.6	0.0051	mg/L	0.00030	0.0051	mg/L	0.00030	5.90%
Mo 202.031†	31.2	0.0023	mg/L	0.00098	0.0023	mg/L	0.00098	42.61%
Na 589.592†	193143.1	15.86	mg/L	0.025	15.86	mg/L	0.025	0.16%
Ni 231.604†	24.8	0.0012	mg/L	0.00033	0.0012	mg/L	0.00033	27.91%
Pb 220.353†	1.0	0.0004	mg/L	0.00063	0.0004	mg/L	0.00063	144.17%
Sb 206.836†	-4.4	-0.0029	mg/L	0.00187	-0.0029	mg/L	0.00187	64.33%
Se 196.026†	-8.5	-0.0092	mg/L	0.00478	-0.0092	mg/L	0.00478	52.10%
Sn 189.927†	-244.7	-0.0547	mg/L	0.00223	-0.0547	mg/L	0.00223	4.08%
Ti 337.279†	-0.1	-0.0000	mg/L	0.00014	-0.0000	mg/L	0.00014	>999.9%
Tl 351.924†	-4.6	-0.0016	mg/L	0.00313	-0.0016	mg/L	0.00313	199.83%
V 290.880†	177.7	0.0035	mg/L	0.00047	0.0035	mg/L	0.00047	13.42%
Zn 206.200†	193.1	0.0133	mg/L	0.00077	0.0133	mg/L	0.00077	5.79%
Zr 343.823†	-12.2	-0.0001	mg/L	0.00008	-0.0001	mg/L	0.00008	90.58%

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Batch ID: OPTIMA 3
Sequence No.: 68 **Autosampler Location: 85**
Sample ID: 24L1962-04 **Date Collected: 1/4/2025 7:32:29 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample): 110

Mean Data: 24L1962-04

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	121684.5	98.6	%	0.95	98.6	%	0.95	0.97%
Y axial	2013668.8	98.3	%	1.78	98.3	%	1.78	1.81%
Ag 328.068†	-60.6	-0.0010	mg/L	0.00025	-0.0010	mg/L	0.00025	24.07%
Al 396.153†	43.9	0.0118	mg/L	0.00715	0.0118	mg/L	0.00715	60.50%
As 188.979†	4.0	0.0041	mg/L	0.00197	0.0041	mg/L	0.00197	47.73%
B 208.889†	242.2	0.0376	mg/L	0.00087	0.0376	mg/L	0.00087	2.32%
Ba 233.527†	26.8	0.0139	mg/L	0.00051	0.0139	mg/L	0.00051	3.64%
Be 313.107†	23.4	0.0001	mg/L	0.00005	0.0001	mg/L	0.00005	45.43%
Ca 317.933†	16489.2	4.682	mg/L	0.1586	4.682	mg/L	0.1586	3.39%
Cd 228.802†	-3.8	-0.0002	mg/L	0.00033	-0.0002	mg/L	0.00033	181.74%
Co 228.616†	5.1	0.0002	mg/L	0.00030	0.0002	mg/L	0.00030	142.04%
Cr 267.716†	-8.4	-0.0002	mg/L	0.00020	-0.0002	mg/L	0.00020	93.82%
Cu 327.393†	-1188.0	-0.0107	mg/L	0.00026	-0.0107	mg/L	0.00026	2.46%
Fe 238.204†	14.8	0.0078	mg/L	0.00176	0.0078	mg/L	0.00176	22.66%
K 766.490†	6021.8	2.460	mg/L	0.0438	2.460	mg/L	0.0438	1.78%
Mg 285.213†	6409.5	0.8618	mg/L	0.02735	0.8618	mg/L	0.02735	3.17%
Mn 257.610†	103.9	0.0076	mg/L	0.00038	0.0076	mg/L	0.00038	4.98%
Mo 202.031†	-5.3	-0.0004	mg/L	0.00065	-0.0004	mg/L	0.00065	166.37%
Na 589.592†	531520.2	43.66	mg/L	0.180	43.66	mg/L	0.180	0.41%
Ni 231.604†	21.8	0.0010	mg/L	0.00045	0.0010	mg/L	0.00045	42.69%
Pb 220.353†	0.7	0.0003	mg/L	0.00138	0.0003	mg/L	0.00138	461.45%
Sb 206.836†	4.7	0.0025	mg/L	0.00345	0.0025	mg/L	0.00345	136.11%
Se 196.026†	-2.0	-0.0016	mg/L	0.00328	-0.0016	mg/L	0.00328	210.20%
Sn 189.927†	-34.5	-0.0079	mg/L	0.00110	-0.0079	mg/L	0.00110	14.01%
Ti 337.279†	-1.9	-0.0001	mg/L	0.00037	-0.0001	mg/L	0.00037	266.93%
Tl 351.924†	-1.6	-0.0005	mg/L	0.00200	-0.0005	mg/L	0.00200	366.38%
V 290.880†	67.7	0.0013	mg/L	0.00044	0.0013	mg/L	0.00044	33.82%
Zn 206.200†	219.4	0.0152	mg/L	0.00034	0.0152	mg/L	0.00034	2.24%

Zr 343.823†	-3.0	-0.0000	mg/L	0.00007	-0.0000	mg/L	0.00007 351.33%

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Batch ID: OPTIMA 3
Sequence No.: 69 **Autosampler Location: 86**
Sample ID: 24L1962-05 **Date Collected: 1/4/2025 7:38:35 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample): 110

Mean Data: 24L1962-05

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y radial	121917.6	98.8	%	0.45	98.8	%	0.45	0.46%
Y axial	1953709.6	95.3	%	0.34	95.3	%	0.34	0.36%
Ag 328.068†	-35.3	-0.0006	mg/L	0.00013	-0.0006	mg/L	0.00013	20.89%
Al 396.153†	103.6	0.0284	mg/L	0.00184	0.0284	mg/L	0.00184	6.51%
As 188.979†	2.9	0.0030	mg/L	0.00338	0.0030	mg/L	0.00338	111.22%
B 208.889†	286.2	0.0444	mg/L	0.00027	0.0444	mg/L	0.00027	0.61%
Ba 233.527†	13.3	0.0069	mg/L	0.00055	0.0069	mg/L	0.00055	7.99%
Be 313.107†	31.2	0.0001	mg/L	0.00004	0.0001	mg/L	0.00004	24.30%
Ca 317.933†	18245.1	5.181	mg/L	0.0143	5.181	mg/L	0.0143	0.28%
Cd 228.802†	-3.6	-0.0002	mg/L	0.00019	-0.0002	mg/L	0.00019	116.96%
Co 228.616†	5.0	0.0002	mg/L	0.00013	0.0002	mg/L	0.00013	65.85%
Cr 267.716†	5.4	0.0001	mg/L	0.00023	0.0001	mg/L	0.00023	165.72%
Cu 327.393†	-1335.1	-0.0120	mg/L	0.00018	-0.0120	mg/L	0.00018	1.48%
Fe 238.204†	172.0	0.0901	mg/L	0.00152	0.0901	mg/L	0.00152	1.68%
K 766.490†	2649.0	1.082	mg/L	0.0514	1.082	mg/L	0.0514	4.75%
Mg 285.213†	8047.0	1.082	mg/L	0.0029	1.082	mg/L	0.0029	0.27%
Mn 257.610†	109.3	0.0080	mg/L	0.00014	0.0080	mg/L	0.00014	1.72%
Mo 202.031†	-0.1	-0.0000	mg/L	0.00030	-0.0000	mg/L	0.00030	>999.9%
Na 589.592†	994581.4	81.69	mg/L	0.964	81.69	mg/L	0.964	1.18%
Ni 231.604†	27.3	0.0013	mg/L	0.00024	0.0013	mg/L	0.00024	18.10%
Pb 220.353†	0.7	0.0003	mg/L	0.00097	0.0003	mg/L	0.00097	341.46%
Sb 206.836†	2.5	0.0013	mg/L	0.00154	0.0013	mg/L	0.00154	116.47%
Se 196.026†	4.8	0.0031	mg/L	0.00286	0.0031	mg/L	0.00286	93.16%
Sn 189.927†	-41.4	-0.0093	mg/L	0.00151	-0.0093	mg/L	0.00151	16.24%
Ti 337.279†	10.2	0.0007	mg/L	0.00090	0.0007	mg/L	0.00090	120.15%
Tl 351.924†	-7.0	-0.0024	mg/L	0.01171	-0.0024	mg/L	0.01171	490.17%
V 290.880†	116.6	0.0022	mg/L	0.00073	0.0022	mg/L	0.00073	32.41%
Zn 206.200†	-123.3	-0.0084	mg/L	0.00006	-0.0084	mg/L	0.00006	0.67%
Zr 343.823†	-12.0	-0.0001	mg/L	0.00014	-0.0001	mg/L	0.00014	160.07%

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Batch ID: OPTIMA 3
Sequence No.: 70 **Autosampler Location: 87**
Sample ID: 24L1962-06 **Date Collected: 1/4/2025 7:44:39 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample): 110

Mean Data: 24L1962-06

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y radial	122243.9	99.0	%	1.59	99.0	%	1.59	1.61%
Y axial	2005142.8	97.8	%	1.72	97.8	%	1.72	1.76%
Ag 328.068†	-22.2	-0.0004	mg/L	0.00066	-0.0004	mg/L	0.00066	172.33%
Al 396.153†	33.3	0.0087	mg/L	0.00741	0.0087	mg/L	0.00741	85.12%
As 188.979†	2.7	0.0028	mg/L	0.00281	0.0028	mg/L	0.00281	99.52%
B 208.889†	156.1	0.0243	mg/L	0.00140	0.0243	mg/L	0.00140	5.77%
Ba 233.527†	12.1	0.0063	mg/L	0.00079	0.0063	mg/L	0.00079	12.61%
Be 313.107†	9.7	0.0000	mg/L	0.00003	0.0000	mg/L	0.00003	62.75%
Ca 317.933†	23325.6	6.624	mg/L	0.0151	6.624	mg/L	0.0151	0.23%
Cd 228.802†	-7.2	-0.0003	mg/L	0.00016	-0.0003	mg/L	0.00016	52.11%
Co 228.616†	0.3	0.0000	mg/L	0.00041	0.0000	mg/L	0.00041	>999.9%
Cr 267.716†	2.8	0.0001	mg/L	0.00007	0.0001	mg/L	0.00007	102.00%

Cu 327.393†	-1403.9	-0.0127 mg/L	0.00067	-0.0127 mg/L	0.00067	5.27%
Fe 238.204†	11.4	0.0060 mg/L	0.00560	0.0060 mg/L	0.00560	93.87%
K 766.490†	2285.1	0.9335 mg/L	0.03511	0.9335 mg/L	0.03511	3.76%
Mg 285.213†	6356.8	0.8541 mg/L	0.00413	0.8541 mg/L	0.00413	0.48%
Mn 257.610†	116.5	0.0085 mg/L	0.00075	0.0085 mg/L	0.00075	8.72%
Mo 202.031†	-12.2	-0.0009 mg/L	0.00033	-0.0009 mg/L	0.00033	37.07%
Na 589.592†	54246.9	4.456 mg/L	0.0426	4.456 mg/L	0.0426	0.96%
Ni 231.604†	21.6	0.0010 mg/L	0.00033	0.0010 mg/L	0.00033	31.75%
Pb 220.353†	-3.2	-0.0013 mg/L	0.00153	-0.0013 mg/L	0.00153	115.68%
Sb 206.836†	-4.5	-0.0026 mg/L	0.00014	-0.0026 mg/L	0.00014	5.49%
Se 196.026†	-4.4	-0.0033 mg/L	0.00247	-0.0033 mg/L	0.00247	74.94%
Sn 189.927†	-32.5	-0.0073 mg/L	0.00108	-0.0073 mg/L	0.00108	14.89%
Ti 337.279†	-4.7	-0.0003 mg/L	0.00079	-0.0003 mg/L	0.00079	228.41%
Tl 351.924†	-23.4	-0.0080 mg/L	0.00900	-0.0080 mg/L	0.00900	113.03%
V 290.880†	79.7	0.0015 mg/L	0.00046	0.0015 mg/L	0.00046	30.85%
Zn 206.200†	-87.4	-0.0060 mg/L	0.00021	-0.0060 mg/L	0.00021	3.49%
Zr 343.823†	-7.4	-0.0001 mg/L	0.00026	-0.0001 mg/L	0.00026	497.77%

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Batch ID: OPTIMA 3
Sequence No.: 71 **Autosampler Location: 5**
Sample ID: SEQ-CCV@ 23IJ0975 **Date Collected: 1/4/2025 7:50:38 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample): 110

Mean Data: SEQ-CCV@ 23IJ0975

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	117743.9	95.4	%	1.23	95.4	%	1.23	1.29%
Y axial	1921865.5	93.8	%	0.53	93.8	%	0.53	0.56%
Ag 328.068†	125879.7	2.147	mg/L	0.0440	2.147	mg/L	0.0440	2.05%
QC value less than the lower limit for Ag 328.068 Recovery = 85.88%								
Al 396.153†	37243.9	10.08	mg/L	0.010	10.08	mg/L	0.010	0.10%
QC value within limits for Al 396.153 Recovery = 100.79%								
As 188.979†	4845.2	5.089	mg/L	0.0138	5.089	mg/L	0.0138	0.27%
QC value within limits for As 188.979 Recovery = 101.78%								
B 208.889†	32880.9	4.883	mg/L	0.0156	4.883	mg/L	0.0156	0.32%
QC value within limits for B 208.889 Recovery = 97.66%								
Ba 233.527†	9631.0	4.996	mg/L	0.0553	4.996	mg/L	0.0553	1.11%
QC value within limits for Ba 233.527 Recovery = 99.91%								
Be 313.107†	1023801.0	5.159	mg/L	0.1140	5.159	mg/L	0.1140	2.21%
QC value within limits for Be 313.107 Recovery = 103.18%								
Ca 317.933†	35485.9	10.08	mg/L	0.007	10.08	mg/L	0.007	0.07%
QC value within limits for Ca 317.933 Recovery = 100.77%								
Cd 228.802†	127314.0	5.064	mg/L	0.0192	5.064	mg/L	0.0192	0.38%
QC value within limits for Cd 228.802 Recovery = 101.29%								
Co 228.616†	121933.4	5.050	mg/L	0.0104	5.050	mg/L	0.0104	0.21%
QC value within limits for Co 228.616 Recovery = 101.00%								
Cr 267.716†	202721.3	5.062	mg/L	0.0089	5.062	mg/L	0.0089	0.18%
QC value within limits for Cr 267.716 Recovery = 101.24%								
Cu 327.393†	555513.9	5.031	mg/L	0.0152	5.031	mg/L	0.0152	0.30%
QC value within limits for Cu 327.393 Recovery = 100.62%								
Fe 238.204†	9448.1	5.066	mg/L	0.0102	5.066	mg/L	0.0102	0.20%
QC value within limits for Fe 238.204 Recovery = 101.32%								
K 766.490†	24917.3	10.18	mg/L	0.026	10.18	mg/L	0.026	0.25%
QC value within limits for K 766.490 Recovery = 101.79%								
Mg 285.213†	75876.0	10.17	mg/L	0.015	10.17	mg/L	0.015	0.15%
QC value within limits for Mg 285.213 Recovery = 101.67%								
Mn 257.610†	68849.4	5.052	mg/L	0.0024	5.052	mg/L	0.0024	0.05%
QC value within limits for Mn 257.610 Recovery = 101.04%								
Mo 202.031†	68527.5	5.053	mg/L	0.0082	5.053	mg/L	0.0082	0.16%
QC value within limits for Mo 202.031 Recovery = 101.06%								
Na 589.592†	123769.2	10.17	mg/L	0.209	10.17	mg/L	0.209	2.05%
QC value within limits for Na 589.592 Recovery = 101.66%								
Ni 231.604†	105185.4	5.045	mg/L	0.0032	5.045	mg/L	0.0032	0.06%
QC value within limits for Ni 231.604 Recovery = 100.91%								
Pb 220.353†	11987.4	5.056	mg/L	0.0260	5.056	mg/L	0.0260	0.51%

QC value within limits for Pb 220.353 Recovery = 101.12%

Sb 206.836†	9104.2	5.089 mg/L	0.0243	5.089 mg/L	0.0243	0.48%
QC value within limits for Sb 206.836 Recovery = 101.78%						
Se 196.026†	7628.7	5.092 mg/L	0.0251	5.092 mg/L	0.0251	0.49%
QC value within limits for Se 196.026 Recovery = 101.84%						
Sn 189.927†	17707.0	5.145 mg/L	0.0260	5.145 mg/L	0.0260	0.51%
QC value within limits for Sn 189.927 Recovery = 102.91%						
Ti 337.279†	68974.9	5.058 mg/L	0.0064	5.058 mg/L	0.0064	0.13%
QC value within limits for Ti 337.279 Recovery = 101.17%						
Tl 351.924†	7682.1	2.730 mg/L	0.0151	2.730 mg/L	0.0151	0.55%
QC value within limits for Tl 351.924 Recovery = 109.18%						
V 290.880†	259462.7	5.228 mg/L	0.0032	5.228 mg/L	0.0032	0.06%
QC value within limits for V 290.880 Recovery = 104.56%						
Zn 206.200†	73670.5	5.098 mg/L	0.0132	5.098 mg/L	0.0132	0.26%
QC value within limits for Zn 206.200 Recovery = 101.96%						
Zr 343.823†	719395.4	5.003 mg/L	0.0135	5.003 mg/L	0.0135	0.27%

QC Failed. Continue with analysis.

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Batch ID: OPTIMA 3
Sequence No.: 72 **Autosampler Location: 1**
Sample ID: SEQ-CCB@ 23J0970 **Date Collected: 1/4/2025 7:57:28 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample): 220

Mean Data: SEQ-CCB@ 23J0970

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y radial	118511.8	96.0	%	2.55	96.0	%	2.55	2.65%
Y axial	1983060.3	96.8	%	0.25	96.8	%	0.25	0.26%
Ag 328.068†	351.3	0.0061	mg/L	0.00053	0.0061	mg/L	0.00053	8.70%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	19.0	0.0053	mg/L	0.00325	0.0053	mg/L	0.00325	61.57%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	1.0	0.0010	mg/L	0.00120	0.0010	mg/L	0.00120	118.87%
QC value within limits for As 188.979 Recovery = Not calculated								
B 208.889†	210.4	0.0327	mg/L	0.00073	0.0327	mg/L	0.00073	2.22%
QC value within limits for B 208.889 Recovery = Not calculated								
Ba 233.527†	1.2	0.0006	mg/L	0.00109	0.0006	mg/L	0.00109	174.41%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	45.2	0.0002	mg/L	0.00028	0.0002	mg/L	0.00028	124.66%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 317.933†	44.6	0.0127	mg/L	0.02616	0.0127	mg/L	0.02616	206.53%
QC value within limits for Ca 317.933 Recovery = Not calculated								
Cd 228.802†	20.0	0.0008	mg/L	0.00006	0.0008	mg/L	0.00006	7.55%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	-1.2	-0.0001	mg/L	0.00051	-0.0001	mg/L	0.00051	975.71%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	24.1	0.0006	mg/L	0.00006	0.0006	mg/L	0.00006	9.44%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	-111.8	-0.0010	mg/L	0.00058	-0.0010	mg/L	0.00058	57.64%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 238.204†	2.0	0.0011	mg/L	0.00560	0.0011	mg/L	0.00560	529.52%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490†	1.1	0.0005	mg/L	0.01542	0.0005	mg/L	0.01542	>999.9%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213†	29.3	0.0039	mg/L	0.00881	0.0039	mg/L	0.00881	223.41%
QC value within limits for Mg 285.213 Recovery = Not calculated								
Mn 257.610†	15.9	0.0012	mg/L	0.00122	0.0012	mg/L	0.00122	105.06%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-2.4	-0.0002	mg/L	0.00029	-0.0002	mg/L	0.00029	165.62%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	528.8	0.0434	mg/L	0.00665	0.0434	mg/L	0.00665	15.31%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	3.1	0.0001	mg/L	0.00031	0.0001	mg/L	0.00031	211.29%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	10.7	0.0045	mg/L	0.00057	0.0045	mg/L	0.00057	12.55%

QC value within limits for Pb 220.353 Recovery = Not calculated
Sb 206.836† 2.9 0.0016 mg/L 0.00199 0.0016 mg/L 0.00199 122.97%
QC value within limits for Sb 206.836 Recovery = Not calculated
Se 196.026† 9.9 0.0066 mg/L 0.00067 0.0066 mg/L 0.00067 10.24%
QC value within limits for Se 196.026 Recovery = Not calculated
Sn 189.927† 1.3 0.0004 mg/L 0.00068 0.0004 mg/L 0.00068 177.75%
QC value within limits for Sn 189.927 Recovery = Not calculated
Ti 337.279† 3.4 0.0003 mg/L 0.00004 0.0003 mg/L 0.00004 15.07%
QC value within limits for Ti 337.279 Recovery = Not calculated
Tl 351.924† -12.1 -0.0041 mg/L 0.01123 -0.0041 mg/L 0.01123 272.44%
QC value within limits for Tl 351.924 Recovery = Not calculated
V 290.880† 62.3 0.0012 mg/L 0.00040 0.0012 mg/L 0.00040 33.20%
QC value within limits for V 290.880 Recovery = Not calculated
Zn 206.200† -45.1 -0.0031 mg/L 0.00028 -0.0031 mg/L 0.00028 9.15%
QC value within limits for Zn 206.200 Recovery = Not calculated
Zr 343.823† -3.2 -0.0000 mg/L 0.00027 -0.0000 mg/L 0.00027 >999.9%
All analyte(s) passed QC.

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Batch ID: OPTIMA 3
Sequence No.: 73 **Autosampler Location: 88**
Sample ID: 24L1962-07 **Date Collected: 1/4/2025 8:03:24 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample): 110

Mean Data: 24L1962-07

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	124932.1	101	%	2.41	101	%	2.41	2.38%
Y axial	2023260.5	98.7	%	1.14	98.7	%	1.14	1.16%
Ag 328.068†	-62.8	-0.0011	mg/L	0.00136	-0.0011	mg/L	0.00136	126.23%
Al 396.153†	92.3	0.0217	mg/L	0.00932	0.0217	mg/L	0.00932	42.88%
As 188.979†	1.3	0.0012	mg/L	0.00416	0.0012	mg/L	0.00416	347.79%
B 208.889†	722.3	0.1121	mg/L	0.00048	0.1121	mg/L	0.00048	0.43%
Ba 233.527†	82.0	0.0425	mg/L	0.00076	0.0425	mg/L	0.00076	1.78%
Be 313.107†	7.6	0.0000	mg/L	0.00002	0.0000	mg/L	0.00002	66.74%
Ca 317.933†	157195.6	44.64	mg/L	0.150	44.64	mg/L	0.150	0.34%
Cd 228.802†	0.9	0.0000	mg/L	0.00009	0.0000	mg/L	0.00009	267.18%
Co 228.616†	28.7	0.0012	mg/L	0.00007	0.0012	mg/L	0.00007	5.90%
Cr 267.716†	10.8	-0.0000	mg/L	0.00017	-0.0000	mg/L	0.00017	>999.9%
Cu 327.393†	-813.3	-0.0073	mg/L	0.00048	-0.0073	mg/L	0.00048	6.58%
Fe 238.204†	387.3	0.2029	mg/L	0.00188	0.2029	mg/L	0.00188	0.93%
K 766.490†	7066.2	2.887	mg/L	0.0950	2.887	mg/L	0.0950	3.29%
Mg 285.213†	35190.1	4.726	mg/L	0.1403	4.726	mg/L	0.1403	2.97%
Mn 257.610†	13684.3	1.004	mg/L	0.0278	1.004	mg/L	0.0278	2.77%
Mo 202.031†	19.2	0.0014	mg/L	0.00021	0.0014	mg/L	0.00021	14.68%
Na 589.592†	472444.6	38.81	mg/L	0.179	38.81	mg/L	0.179	0.46%
Ni 231.604†	165.6	0.0078	mg/L	0.00033	0.0078	mg/L	0.00033	4.18%
Pb 220.353†	-1.5	-0.0008	mg/L	0.00250	-0.0008	mg/L	0.00250	330.95%
Sb 206.836†	-2.2	-0.0016	mg/L	0.00147	-0.0016	mg/L	0.00147	92.99%
Se 196.026†	-9.1	-0.0086	mg/L	0.00558	-0.0086	mg/L	0.00558	64.98%
Sn 189.927†	-187.3	-0.0424	mg/L	0.00145	-0.0424	mg/L	0.00145	3.43%
Ti 337.279†	3.7	0.0003	mg/L	0.00026	0.0003	mg/L	0.00026	95.73%
Tl 351.924†	-14.4	-0.0049	mg/L	0.00263	-0.0049	mg/L	0.00263	54.07%
V 290.880†	123.5	0.0024	mg/L	0.00033	0.0024	mg/L	0.00033	13.68%
Zn 206.200†	437.0	0.0301	mg/L	0.00011	0.0301	mg/L	0.00011	0.36%
Zr 343.823†	-17.4	-0.0001	mg/L	0.00005	-0.0001	mg/L	0.00005	41.35%

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Batch ID: OPTIMA 3
Sequence No.: 74 **Autosampler Location: 89**
Sample ID: 24L1962-08 **Date Collected: 1/4/2025 8:09:28 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample): 110

Mean Data: 24L1962-08

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y radial	122621.2	99.4	%	0.74	99.4	%	0.74	0.75%
Y axial	1970700.1	96.2	%	0.84	96.2	%	0.84	0.87%
Ag 328.068†	-25.1	-0.0004	mg/L	0.00105	-0.0004	mg/L	0.00105	242.50%
Al 396.153†	38.2	0.0095	mg/L	0.00700	0.0095	mg/L	0.00700	73.40%
As 188.979†	5.9	0.0061	mg/L	0.00053	0.0061	mg/L	0.00053	8.65%
B 208.889†	323.1	0.0501	mg/L	0.00110	0.0501	mg/L	0.00110	2.20%
Ba 233.527†	78.2	0.0406	mg/L	0.00156	0.0406	mg/L	0.00156	3.84%
Be 313.107†	11.1	0.0000	mg/L	0.00008	0.0000	mg/L	0.00008	180.17%
Ca 317.933†	42708.9	12.13	mg/L	0.009	12.13	mg/L	0.009	0.07%
Cd 228.802†	-0.6	-0.0001	mg/L	0.00010	-0.0001	mg/L	0.00010	154.68%
Co 228.616†	-3.7	-0.0002	mg/L	0.00026	-0.0002	mg/L	0.00026	159.23%
Cr 267.716†	10.8	0.0003	mg/L	0.00039	0.0003	mg/L	0.00039	146.05%
Cu 327.393†	-1397.3	-0.0126	mg/L	0.00039	-0.0126	mg/L	0.00039	3.11%
Fe 238.204†	-2.2	-0.0012	mg/L	0.00504	-0.0012	mg/L	0.00504	426.78%
K 766.490†	3111.0	1.271	mg/L	0.0133	1.271	mg/L	0.0133	1.05%
Mg 285.213†	8420.0	1.130	mg/L	0.0041	1.130	mg/L	0.0041	0.37%
Mn 257.610†	13.0	0.0010	mg/L	0.00043	0.0010	mg/L	0.00043	45.09%
Mo 202.031†	11.7	0.0009	mg/L	0.00054	0.0009	mg/L	0.00054	62.89%
Na 589.592†	878529.6	72.16	mg/L	1.589	72.16	mg/L	1.589	2.20%
Ni 231.604†	20.8	0.0010	mg/L	0.00038	0.0010	mg/L	0.00038	37.87%
Pb 220.353†	2.5	0.0011	mg/L	0.00066	0.0011	mg/L	0.00066	62.04%
Sb 206.836†	1.2	0.0006	mg/L	0.00081	0.0006	mg/L	0.00081	131.40%
Se 196.026†	-3.5	-0.0029	mg/L	0.00237	-0.0029	mg/L	0.00237	80.32%
Sn 189.927†	-43.1	-0.0096	mg/L	0.00041	-0.0096	mg/L	0.00041	4.26%
Ti 337.279†	-5.5	-0.0004	mg/L	0.00080	-0.0004	mg/L	0.00080	200.73%
Tl 351.924†	8.3	0.0028	mg/L	0.00685	0.0028	mg/L	0.00685	242.73%
V 290.880†	129.0	0.0025	mg/L	0.00010	0.0025	mg/L	0.00010	4.08%
Zn 206.200†	-159.5	-0.0109	mg/L	0.00016	-0.0109	mg/L	0.00016	1.44%
Zr 343.823†	1.4	0.0000	mg/L	0.00021	0.0000	mg/L	0.00021	>999.9%

Batch ID: OPTIMA 3
Sequence No.: 75 **Autosampler Location: 90**
Sample ID: 24L1962-09 **Date Collected: 1/4/2025 8:15:33 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample): 110

Mean Data: 24L1962-09

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y radial	121716.7	98.6	%	0.62	98.6	%	0.62	0.63%
Y axial	1962378.1	95.8	%	1.85	95.8	%	1.85	1.93%
Ag 328.068†	9.8	0.0002	mg/L	0.00047	0.0002	mg/L	0.00047	275.97%
Al 396.153†	49.3	0.0117	mg/L	0.00507	0.0117	mg/L	0.00507	43.44%
As 188.979†	0.9	0.0008	mg/L	0.00403	0.0008	mg/L	0.00403	503.36%
B 208.889†	227.7	0.0353	mg/L	0.00040	0.0353	mg/L	0.00040	1.14%
Ba 233.527†	133.2	0.0691	mg/L	0.00149	0.0691	mg/L	0.00149	2.15%
Be 313.107†	7.5	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	43.38%
Ca 317.933†	82385.8	23.40	mg/L	0.059	23.40	mg/L	0.059	0.25%
Cd 228.802†	-3.4	-0.0001	mg/L	0.00023	-0.0001	mg/L	0.00023	167.91%
Co 228.616†	12.4	0.0005	mg/L	0.00019	0.0005	mg/L	0.00019	38.63%
Cr 267.716†	8.9	0.0002	mg/L	0.00025	0.0002	mg/L	0.00025	110.50%
Cu 327.393†	-1473.5	-0.0133	mg/L	0.00008	-0.0133	mg/L	0.00008	0.60%
Fe 238.204†	131.3	0.0688	mg/L	0.00101	0.0688	mg/L	0.00101	1.46%
K 766.490†	3299.7	1.348	mg/L	0.0069	1.348	mg/L	0.0069	0.52%
Mg 285.213†	17830.3	2.394	mg/L	0.0066	2.394	mg/L	0.0066	0.28%
Mn 257.610†	179.0	0.0131	mg/L	0.00039	0.0131	mg/L	0.00039	2.94%
Mo 202.031†	5.8	0.0004	mg/L	0.00045	0.0004	mg/L	0.00045	104.41%
Na 589.592†	694141.0	57.02	mg/L	1.052	57.02	mg/L	1.052	1.85%
Ni 231.604†	23.9	0.0011	mg/L	0.00032	0.0011	mg/L	0.00032	27.89%
Pb 220.353†	3.6	0.0015	mg/L	0.00132	0.0015	mg/L	0.00132	87.70%
Sb 206.836†	4.7	0.0024	mg/L	0.00376	0.0024	mg/L	0.00376	154.71%
Se 196.026†	-10.7	-0.0083	mg/L	0.00449	-0.0083	mg/L	0.00449	54.31%

Sn 189.927†	-99.5	-0.0228	mg/L	0.00209	-0.0228	mg/L	0.00209 9.18%
Ti 337.279†	2.7	0.0002	mg/L	0.00081	0.0002	mg/L	0.00081 406.15%
Tl 351.924†	-25.6	-0.0087	mg/L	0.00755	-0.0087	mg/L	0.00755 86.66%
V 290.880†	176.4	0.0034	mg/L	0.00046	0.0034	mg/L	0.00046 13.33%
Zn 206.200†	-151.0	-0.0103	mg/L	0.00013	-0.0103	mg/L	0.00013 1.29%
Zr 343.823†	13.2	0.0001	mg/L	0.00003	0.0001	mg/L	0.00003 35.55%

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Batch ID: OPTIMA 3
Sequence No.: 76 **Autosampler Location: 91**
Sample ID: 24L1962-10 **Date Collected: 1/4/2025 8:21:39 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample): 110

Mean Data: 24L1962-10

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	123889.0	100	%	2.24	100	%	2.24	2.24%
Y axial	1947165.5	95.0	%	0.81	95.0	%	0.81	0.85%
Ag 328.068†	-143.9	-0.0012	mg/L	0.00051	-0.0012	mg/L	0.00051	42.80%
Al 396.153†	17794.2	4.937	mg/L	0.0114	4.937	mg/L	0.0114	0.23%
As 188.979†	3.2	0.0062	mg/L	0.00658	0.0062	mg/L	0.00658	106.64%
B 208.889†	818.9	0.1272	mg/L	0.00159	0.1272	mg/L	0.00159	1.25%
Ba 233.527†	24.4	0.0127	mg/L	0.00119	0.0127	mg/L	0.00119	9.39%
Be 313.107†	169.0	0.0008	mg/L	0.00005	0.0008	mg/L	0.00005	6.48%
Ca 317.933†	433337.2	123.1	mg/L	2.12	123.1	mg/L	2.12	1.72%
Cd 228.802†	4.5	0.0006	mg/L	0.00010	0.0006	mg/L	0.00010	16.96%
Co 228.616†	2564.4	0.1063	mg/L	0.00133	0.1063	mg/L	0.00133	1.25%
Cr 267.716†	220.9	0.0004	mg/L	0.00006	0.0004	mg/L	0.00006	14.74%
Cu 327.393†	2583.0	0.0248	mg/L	0.00059	0.0248	mg/L	0.00059	2.37%
Fe 238.204†	68095.8	35.67	mg/L	0.045	35.67	mg/L	0.045	0.13%
K 766.490†	9375.2	3.830	mg/L	0.0289	3.830	mg/L	0.0289	0.75%
Mg 285.213†	64863.3	8.728	mg/L	0.0107	8.728	mg/L	0.0107	0.12%
Mn 257.610†	312501.9	22.93	mg/L	0.418	22.93	mg/L	0.418	1.82%
Mo 202.031†	-4.5	0.0026	mg/L	0.00031	0.0026	mg/L	0.00031	11.98%
Na 589.592†	3703101.4	304.2	mg/L	5.31	304.2	mg/L	5.31	1.75%
Ni 231.604†	1978.5	0.0925	mg/L	0.00133	0.0925	mg/L	0.00133	1.44%
Pb 220.353†	25.2	0.0044	mg/L	0.00046	0.0044	mg/L	0.00046	10.46%
Sb 206.836†	1.4	0.0000	mg/L	0.00328	0.0000	mg/L	0.00328	>999.9%
Se 196.026†	-50.9	-0.0100	mg/L	0.00261	-0.0100	mg/L	0.00261	26.02%
Sn 189.927†	-339.9	-0.0766	mg/L	0.00095	-0.0766	mg/L	0.00095	1.24%
Ti 337.279†	82.3	0.0060	mg/L	0.00073	0.0060	mg/L	0.00073	12.05%
Tl 351.924†	17.3	0.0119	mg/L	0.00353	0.0119	mg/L	0.00353	29.63%
V 290.880†	561.5	0.0093	mg/L	0.00030	0.0093	mg/L	0.00030	3.21%
Zn 206.200†	751.8	0.0539	mg/L	0.00093	0.0539	mg/L	0.00093	1.74%
Zr 343.823†	149.2	-0.0003	mg/L	0.00012	-0.0003	mg/L	0.00012	40.03%

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Batch ID: OPTIMA 3
Sequence No.: 77 **Autosampler Location: 92**
Sample ID: 24L1962-11 **Date Collected: 1/4/2025 8:29:32 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample): 220

Mean Data: 24L1962-11

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	121435.5	98.4	%	0.24	98.4	%	0.24	0.24%
Y axial	1977151.0	96.5	%	1.94	96.5	%	1.94	2.02%
Ag 328.068†	-56.2	-0.0010	mg/L	0.00111	-0.0010	mg/L	0.00111	115.08%
Al 396.153†	71.0	0.0177	mg/L	0.00831	0.0177	mg/L	0.00831	46.92%
As 188.979†	8.3	0.0086	mg/L	0.00665	0.0086	mg/L	0.00665	77.31%
B 208.889†	203.6	0.0316	mg/L	0.00113	0.0316	mg/L	0.00113	3.58%
Ba 233.527†	130.7	0.0678	mg/L	0.00088	0.0678	mg/L	0.00088	1.29%

Be 313.107†	13.1	0.0001	mg/L	0.00003	0.0001	mg/L	0.00003 54.52%
Ca 317.933†	80787.8	22.94	mg/L	0.362	22.94	mg/L	0.362 1.58%
Cd 228.802†	-2.6	-0.0002	mg/L	0.00012	-0.0002	mg/L	0.00012 73.26%
Co 228.616†	-1.9	-0.0001	mg/L	0.00031	-0.0001	mg/L	0.00031 319.91%
Cr 267.716†	2.4	0.0001	mg/L	0.00009	0.0001	mg/L	0.00009 154.02%
Cu 327.393†	-1450.0	-0.0131	mg/L	0.00027	-0.0131	mg/L	0.00027 2.07%
Fe 238.204†	139.9	0.0733	mg/L	0.00097	0.0733	mg/L	0.00097 1.32%
K 766.490†	3330.9	1.361	mg/L	0.0828	1.361	mg/L	0.0828 6.09%
Mg 285.213†	17611.7	2.365	mg/L	0.0411	2.365	mg/L	0.0411 1.74%
Mn 257.610†	189.9	0.0139	mg/L	0.00059	0.0139	mg/L	0.00059 4.24%
Mo 202.031†	6.5	0.0005	mg/L	0.00042	0.0005	mg/L	0.00042 85.79%
Na 589.592†	693780.4	56.99	mg/L	0.387	56.99	mg/L	0.387 0.68%
Ni 231.604†	23.3	0.0011	mg/L	0.00045	0.0011	mg/L	0.00045 40.03%
Pb 220.353†	2.1	0.0009	mg/L	0.00019	0.0009	mg/L	0.00019 21.02%
Sb 206.836†	-3.2	-0.0020	mg/L	0.00460	-0.0020	mg/L	0.00460 232.69%
Se 196.026†	-0.4	-0.0013	mg/L	0.00612	-0.0013	mg/L	0.00612 454.92%
Sn 189.927†	-105.1	-0.0245	mg/L	0.00156	-0.0245	mg/L	0.00156 6.38%
Ti 337.279†	-3.8	-0.0003	mg/L	0.00031	-0.0003	mg/L	0.00031 110.72%
Tl 351.924†	-26.5	-0.0090	mg/L	0.00782	-0.0090	mg/L	0.00782 87.02%
V 290.880†	145.1	0.0028	mg/L	0.00084	0.0028	mg/L	0.00084 29.71%
Zn 206.200†	-152.3	-0.0104	mg/L	0.00081	-0.0104	mg/L	0.00081 7.80%
Zr 343.823†	-8.1	-0.0001	mg/L	0.00015	-0.0001	mg/L	0.00015 259.40%

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Batch ID: OPTIMA 3
Sequence No.: 78 **Autosampler Location: 5**
Sample ID: SEQ-CCV@ 23IJ0975 **Date Collected: 1/4/2025 8:35:36 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample): 110

RR NC 1/96/24

Mean Data: SEQ-CCV@ 23IJ0975

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	118629.2	96.1	%	1.55	96.1	%	1.55	1.61%
Y axial	1972482.5	96.3	%	0.76	96.3	%	0.76	0.79%
Ag 328.068†	124324.0	2.120	mg/L	0.0077	2.120	mg/L	0.0077	0.36%
QC value less than the lower limit for Ag 328.068 Recovery = 84.80%								
Al 396.153†	37327.3	10.10	mg/L	0.034	10.10	mg/L	0.034	0.34%
QC value within limits for Al 396.153 Recovery = 101.02%								
As 188.979†	4673.0	4.908	mg/L	0.0494	4.908	mg/L	0.0494	1.01%
QC value within limits for As 188.979 Recovery = 98.17%								
B 208.889†	31812.7	4.717	mg/L	0.0459	4.717	mg/L	0.0459	0.97%
QC value within limits for B 208.889 Recovery = 94.34%								
Ba 233.527†	9498.7	4.927	mg/L	0.0323	4.927	mg/L	0.0323	0.66%
QC value within limits for Ba 233.527 Recovery = 98.54%								
Be 313.107†	1040038.0	5.241	mg/L	0.0686	5.241	mg/L	0.0686	1.31%
QC value within limits for Be 313.107 Recovery = 104.82%								
Ca 317.933†	35863.5	10.18	mg/L	0.061	10.18	mg/L	0.061	0.60%
QC value within limits for Ca 317.933 Recovery = 101.84%								
Cd 228.802†	126913.9	5.050	mg/L	0.0202	5.050	mg/L	0.0202	0.40%
QC value within limits for Cd 228.802 Recovery = 100.99%								
Co 228.616†	121923.9	5.050	mg/L	0.0223	5.050	mg/L	0.0223	0.44%
QC value within limits for Co 228.616 Recovery = 100.99%								
Cr 267.716†	202760.9	5.063	mg/L	0.0150	5.063	mg/L	0.0150	0.30%
QC value within limits for Cr 267.716 Recovery = 101.26%								
Cu 327.393†	554451.6	5.022	mg/L	0.0220	5.022	mg/L	0.0220	0.44%
QC value within limits for Cu 327.393 Recovery = 100.43%								
Fe 238.204†	9538.8	5.114	mg/L	0.0313	5.114	mg/L	0.0313	0.61%
QC value within limits for Fe 238.204 Recovery = 102.27%								
K 766.490†	24824.0	10.14	mg/L	0.046	10.14	mg/L	0.046	0.46%
QC value within limits for K 766.490 Recovery = 101.41%								
Mg 285.213†	76246.3	10.22	mg/L	0.043	10.22	mg/L	0.043	0.42%
QC value within limits for Mg 285.213 Recovery = 102.17%								
Mn 257.610†	69499.4	5.100	mg/L	0.0324	5.100	mg/L	0.0324	0.64%
QC value within limits for Mn 257.610 Recovery = 101.99%								
Mo 202.031†	68573.3	5.056	mg/L	0.0248	5.056	mg/L	0.0248	0.49%
QC value within limits for Mo 202.031 Recovery = 101.13%								

Na 589.592†	125499.1	10.31 mg/L	0.107	10.31 mg/L	0.107	1.04%
QC value within limits for Na 589.592 Recovery = 103.08%						
Ni 231.604†	105064.4	5.040 mg/L	0.0092	5.040 mg/L	0.0092	0.18%
QC value within limits for Ni 231.604 Recovery = 100.79%						
Pb 220.353†	11700.9	4.936 mg/L	0.0787	4.936 mg/L	0.0787	1.59%
QC value within limits for Pb 220.353 Recovery = 98.71%						
Sb 206.836†	8826.6	4.934 mg/L	0.0546	4.934 mg/L	0.0546	1.11%
QC value within limits for Sb 206.836 Recovery = 98.68%						
Se 196.026†	7369.3	4.919 mg/L	0.0548	4.919 mg/L	0.0548	1.11%
QC value within limits for Se 196.026 Recovery = 98.38%						
Sn 189.927†	17221.1	5.005 mg/L	0.0495	5.005 mg/L	0.0495	0.99%
QC value within limits for Sn 189.927 Recovery = 100.09%						
Ti 337.279†	69386.6	5.089 mg/L	0.0089	5.089 mg/L	0.0089	0.17%
QC value within limits for Ti 337.279 Recovery = 101.77%						
Tl 351.924†	7524.0	2.676 mg/L	0.0428	2.676 mg/L	0.0428	1.60%
QC value within limits for Tl 351.924 Recovery = 107.04%						
V 290.880†	260115.1	5.241 mg/L	0.0177	5.241 mg/L	0.0177	0.34%
QC value within limits for V 290.880 Recovery = 104.81%						
Zn 206.200†	73794.1	5.106 mg/L	0.0239	5.106 mg/L	0.0239	0.47%
QC value within limits for Zn 206.200 Recovery = 102.12%						
Zr 343.823†	721389.5	5.017 mg/L	0.0073	5.017 mg/L	0.0073	0.15%

QC Failed. Retry.

RR NC 1/96/24

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Batch ID: OPTIMA 3
Sequence No.: 79 **Autosampler Location: 5**
Sample ID: SEQ-CCV@ 23IJ0975 **Date Collected: 1/4/2025 8:38:35 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample): 110

Mean Data: SEQ-CCV@ 23IJ0975

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	119481.6	96.8	%	1.19	96.8	%	1.19	1.23%
Y axial	1959452.7	95.6	%	1.58	95.6	%	1.58	1.65%
Ag 328.068†	118725.0	2.023	mg/L	0.0134	2.023	mg/L	0.0134	0.66%
QC value less than the lower limit for Ag 328.068 Recovery = 80.94%								
Al 396.153†	37179.0	10.06	mg/L	0.006	10.06	mg/L	0.006	0.06%
QC value within limits for Al 396.153 Recovery = 100.61%								
As 188.979†	4738.1	4.977	mg/L	0.1157	4.977	mg/L	0.1157	2.32%
QC value within limits for As 188.979 Recovery = 99.53%								
B 208.889†	32588.3	4.837	mg/L	0.1154	4.837	mg/L	0.1154	2.39%
QC value within limits for B 208.889 Recovery = 96.74%								
Ba 233.527†	9584.1	4.971	mg/L	0.0627	4.971	mg/L	0.0627	1.26%
QC value within limits for Ba 233.527 Recovery = 99.42%								
Be 313.107†	1021889.7	5.149	mg/L	0.0830	5.149	mg/L	0.0830	1.61%
QC value within limits for Be 313.107 Recovery = 102.99%								
Ca 317.933†	35729.0	10.15	mg/L	0.041	10.15	mg/L	0.041	0.40%
QC value within limits for Ca 317.933 Recovery = 101.46%								
Cd 228.802†	127258.3	5.063	mg/L	0.0169	5.063	mg/L	0.0169	0.33%
QC value within limits for Cd 228.802 Recovery = 101.26%								
Co 228.616†	121867.9	5.047	mg/L	0.0078	5.047	mg/L	0.0078	0.15%
QC value within limits for Co 228.616 Recovery = 100.95%								
Cr 267.716†	203576.5	5.084	mg/L	0.0106	5.084	mg/L	0.0106	0.21%
QC value within limits for Cr 267.716 Recovery = 101.67%								
Cu 327.393†	556701.9	5.042	mg/L	0.0176	5.042	mg/L	0.0176	0.35%
QC value within limits for Cu 327.393 Recovery = 100.84%								
Fe 238.204†	9518.8	5.103	mg/L	0.0201	5.103	mg/L	0.0201	0.39%
QC value within limits for Fe 238.204 Recovery = 102.06%								
K 766.490†	24877.6	10.16	mg/L	0.031	10.16	mg/L	0.031	0.31%
QC value within limits for K 766.490 Recovery = 101.63%								
Mg 285.213†	75938.7	10.18	mg/L	0.023	10.18	mg/L	0.023	0.23%
QC value within limits for Mg 285.213 Recovery = 101.76%								
Mn 257.610†	69333.2	5.087	mg/L	0.0137	5.087	mg/L	0.0137	0.27%
QC value within limits for Mn 257.610 Recovery = 101.75%								
Mo 202.031†	68662.3	5.063	mg/L	0.0117	5.063	mg/L	0.0117	0.23%
QC value within limits for Mo 202.031 Recovery = 101.26%								

Na 589.592†	122452.6	10.06 mg/L	0.213	10.06 mg/L	0.213	2.12%
QC value within limits for Na 589.592 Recovery = 100.58%						
Ni 231.604†	105432.8	5.057 mg/L	0.0063	5.057 mg/L	0.0063	0.12%
QC value within limits for Ni 231.604 Recovery = 101.15%						
Pb 220.353†	11863.1	5.004 mg/L	0.1038	5.004 mg/L	0.1038	2.08%
QC value within limits for Pb 220.353 Recovery = 100.08%						
Sb 206.836†	8928.1	4.990 mg/L	0.1127	4.990 mg/L	0.1127	2.26%
QC value within limits for Sb 206.836 Recovery = 99.81%						
Se 196.026†	7476.7	4.991 mg/L	0.1088	4.991 mg/L	0.1088	2.18%
QC value within limits for Se 196.026 Recovery = 99.81%						
Sn 189.927†	17436.8	5.067 mg/L	0.1142	5.067 mg/L	0.1142	2.25%
QC value within limits for Sn 189.927 Recovery = 101.34%						
Ti 337.279†	69161.9	5.072 mg/L	0.0161	5.072 mg/L	0.0161	0.32%
QC value within limits for Ti 337.279 Recovery = 101.44%						
Tl 351.924†	7582.5	2.695 mg/L	0.0514	2.695 mg/L	0.0514	1.91%
QC value within limits for Tl 351.924 Recovery = 107.81%						
V 290.880†	258772.1	5.215 mg/L	0.0120	5.215 mg/L	0.0120	0.23%
QC value within limits for V 290.880 Recovery = 104.30%						
Zn 206.200†	74036.7	5.123 mg/L	0.0057	5.123 mg/L	0.0057	0.11%
QC value within limits for Zn 206.200 Recovery = 102.46%						
Zr 343.823†	716742.0	4.985 mg/L	0.0208	4.985 mg/L	0.0208	0.42%

QC Failed. Continue with analysis.

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Batch ID: OPTIMA 3
Sequence No.: 80 **Autosampler Location: 1**
Sample ID: SEQ-CCB@ 23J0970 **Date Collected: 1/4/2025 8:45:17 PM**
Analyst: RR NC 1/96/24 **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample): 220

Mean Data: SEQ-CCB@ 23J0970

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	121541.5	98.5	%	0.75	98.5	%	0.75	0.76%
Y axial	2011275.5	98.1	%	2.50	98.1	%	2.50	2.55%
Ag 328.068†	736.5	0.0127	mg/L	0.00019	0.0127	mg/L	0.00019	1.49%
QC value greater than the upper limit for Ag 328.068 Recovery = Not calculated								
Al 396.153†	-5.0	-0.0014	mg/L	0.00631	-0.0014	mg/L	0.00631	457.10%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	6.1	0.0063	mg/L	0.00288	0.0063	mg/L	0.00288	45.40%
QC value within limits for As 188.979 Recovery = Not calculated								
B 208.889†	307.6	0.0478	mg/L	0.00206	0.0478	mg/L	0.00206	4.31%
QC value within limits for B 208.889 Recovery = Not calculated								
Ba 233.527†	-0.3	-0.0002	mg/L	0.00130	-0.0002	mg/L	0.00130	798.72%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	27.4	0.0001	mg/L	0.00003	0.0001	mg/L	0.00003	20.32%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 317.933†	-3.0	-0.0009	mg/L	0.00313	-0.0009	mg/L	0.00313	367.81%
QC value within limits for Ca 317.933 Recovery = Not calculated								
Cd 228.802†	26.9	0.0010	mg/L	0.00012	0.0010	mg/L	0.00012	12.02%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	2.0	0.0001	mg/L	0.00025	0.0001	mg/L	0.00025	294.33%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	4.3	0.0001	mg/L	0.00005	0.0001	mg/L	0.00005	43.64%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	120.6	0.0011	mg/L	0.00038	0.0011	mg/L	0.00038	35.17%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 238.204†	-10.4	-0.0055	mg/L	0.00111	-0.0055	mg/L	0.00111	20.44%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490†	-44.2	-0.0181	mg/L	0.02358	-0.0181	mg/L	0.02358	130.64%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213†	-8.7	-0.0012	mg/L	0.00031	-0.0012	mg/L	0.00031	26.42%
QC value within limits for Mg 285.213 Recovery = Not calculated								
Mn 257.610†	4.5	0.0003	mg/L	0.00034	0.0003	mg/L	0.00034	102.82%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-3.2	-0.0002	mg/L	0.00017	-0.0002	mg/L	0.00017	72.35%
QC value within limits for Mo 202.031 Recovery = Not calculated								

Na 589.592†	508.1	0.0417 mg/L	0.00237	0.0417 mg/L	0.00237	5.69%
QC value within limits for Na 589.592 Recovery = Not calculated						
Ni 231.604†	5.3	0.0003 mg/L	0.00025	0.0003 mg/L	0.00025	97.93%
QC value within limits for Ni 231.604 Recovery = Not calculated						
Pb 220.353†	11.5	0.0048 mg/L	0.00298	0.0048 mg/L	0.00298	61.84%
QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb 206.836†	0.7	0.0004 mg/L	0.00196	0.0004 mg/L	0.00196	527.66%
QC value within limits for Sb 206.836 Recovery = Not calculated						
Se 196.026†	0.4	0.0003 mg/L	0.00204	0.0003 mg/L	0.00204	774.13%
QC value within limits for Se 196.026 Recovery = Not calculated						
Sn 189.927†	2.5	0.0007 mg/L	0.00039	0.0007 mg/L	0.00039	53.98%
QC value within limits for Sn 189.927 Recovery = Not calculated						
Ti 337.279†	-3.8	-0.0003 mg/L	0.00012	-0.0003 mg/L	0.00012	42.35%
QC value within limits for Ti 337.279 Recovery = Not calculated						
Tl 351.924†	-25.5	-0.0087 mg/L	0.01508	-0.0087 mg/L	0.01508	173.87%
QC value within limits for Tl 351.924 Recovery = Not calculated						
V 290.880†	45.1	0.0009 mg/L	0.00091	0.0009 mg/L	0.00091	105.58%
QC value within limits for V 290.880 Recovery = Not calculated						
Zn 206.200†	-32.6	-0.0022 mg/L	0.00034	-0.0022 mg/L	0.00034	15.34%
QC value within limits for Zn 206.200 Recovery = Not calculated						
Zr 343.823†	9.8	0.0001 mg/L	0.00034	0.0001 mg/L	0.00034	502.68%

QC Failed. Retry.

RR NC 1/96/24

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Batch ID: OPTIMA 3
Sequence No.: 81 **Autosampler Location: 1**
Sample ID: SEQ-CCB@ 23J0970 **Date Collected: 1/4/2025 8:49:14 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample): 220

Mean Data: SEQ-CCB@ 23J0970

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y radial	120577.8	97.7	%	1.11	97.7	%	1.11	1.13%
Y axial	2013886.3	98.3	%	0.83	98.3	%	0.83	0.84%
Ag 328.068†	322.6	0.0056	mg/L	0.00053	0.0056	mg/L	0.00053	9.54%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	11.9	0.0033	mg/L	0.01076	0.0033	mg/L	0.01076	327.35%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	1.5	0.0015	mg/L	0.00174	0.0015	mg/L	0.00174	113.14%
QC value within limits for As 188.979 Recovery = Not calculated								
B 208.889†	237.8	0.0369	mg/L	0.00083	0.0369	mg/L	0.00083	2.25%
QC value within limits for B 208.889 Recovery = Not calculated								
Ba 233.527†	-0.9	-0.0005	mg/L	0.00081	-0.0005	mg/L	0.00081	164.58%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	30.4	0.0001	mg/L	0.00002	0.0001	mg/L	0.00002	12.67%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 317.933†	2.7	0.0008	mg/L	0.00543	0.0008	mg/L	0.00543	710.91%
QC value within limits for Ca 317.933 Recovery = Not calculated								
Cd 228.802†	22.0	0.0009	mg/L	0.00022	0.0009	mg/L	0.00022	25.23%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	3.2	0.0001	mg/L	0.00011	0.0001	mg/L	0.00011	81.35%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	7.6	0.0002	mg/L	0.00023	0.0002	mg/L	0.00023	122.14%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	2.4	0.0000	mg/L	0.00013	0.0000	mg/L	0.00013	601.20%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 238.204†	-11.8	-0.0062	mg/L	0.00104	-0.0062	mg/L	0.00104	16.93%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490†	-79.9	-0.0326	mg/L	0.01505	-0.0326	mg/L	0.01505	46.14%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213†	-12.3	-0.0017	mg/L	0.00033	-0.0017	mg/L	0.00033	19.74%
QC value within limits for Mg 285.213 Recovery = Not calculated								
Mn 257.610†	1.9	0.0001	mg/L	0.00056	0.0001	mg/L	0.00056	404.25%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	2.0	0.0001	mg/L	0.00026	0.0001	mg/L	0.00026	179.75%
QC value within limits for Mo 202.031 Recovery = Not calculated								

Na 589.592†	554.4	0.0455 mg/L	0.00436	0.0455 mg/L	0.00436	9.58%
QC value within limits for Na 589.592 Recovery = Not calculated						
Ni 231.604†	7.7	0.0004 mg/L	0.00066	0.0004 mg/L	0.00066	177.43%
QC value within limits for Ni 231.604 Recovery = Not calculated						
Pb 220.353†	6.0	0.0025 mg/L	0.00102	0.0025 mg/L	0.00102	40.13%
QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb 206.836†	3.5	0.0019 mg/L	0.00035	0.0019 mg/L	0.00035	18.25%
QC value within limits for Sb 206.836 Recovery = Not calculated						
Se 196.026†	6.8	0.0045 mg/L	0.00295	0.0045 mg/L	0.00295	65.16%
QC value within limits for Se 196.026 Recovery = Not calculated						
Sn 189.927†	3.0	0.0009 mg/L	0.00101	0.0009 mg/L	0.00101	117.25%
QC value within limits for Sn 189.927 Recovery = Not calculated						
Ti 337.279†	0.7	0.0000 mg/L	0.00023	0.0000 mg/L	0.00023	476.58%
QC value within limits for Ti 337.279 Recovery = Not calculated						
Tl 351.924†	-19.6	-0.0067 mg/L	0.00829	-0.0067 mg/L	0.00829	124.58%
QC value within limits for Tl 351.924 Recovery = Not calculated						
V 290.880†	66.5	0.0013 mg/L	0.00112	0.0013 mg/L	0.00112	86.89%
QC value within limits for V 290.880 Recovery = Not calculated						
Zn 206.200†	-43.9	-0.0030 mg/L	0.00038	-0.0030 mg/L	0.00038	12.59%
QC value within limits for Zn 206.200 Recovery = Not calculated						
Zr 343.823†	6.1	0.0000 mg/L	0.00010	0.0000 mg/L	0.00010	243.01%

All analyte(s) passed QC.

Se 196.026†	-28.3	-0.0148	mg/L	0.00361	-0.0148	mg/L	0.00361 24.31%
Sn 189.927†	-201.8	-0.0567	mg/L	0.00156	-0.0567	mg/L	0.00156 2.75%
Ti 337.279†	46666.8	3.483	mg/L	0.0045	3.483	mg/L	0.0045 0.13%
Tl 351.924†	58.5	0.0414	mg/L	0.00149	0.0414	mg/L	0.00149 3.59%
V 290.880†	893.7	0.0176	mg/L	0.00063	0.0176	mg/L	0.00063 3.58%
Zn 206.200†	1192169.0	83.74	mg/L	0.466	83.74	mg/L	0.466 0.56%
Zr 343.823†	135677.2	0.9190	mg/L	0.00434	0.9190	mg/L	0.00434 0.47%

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Batch ID: OPTIMA 3
Sequence No.: 30 **Autosampler Location: 52**
Sample ID: 24L1429-02 **Date Collected: 1/6/2025 3:26:06 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample): 220

Mean Data: 24L1429-02

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	118032.6	97.0	%	1.37	97.0	%	1.37	1.41%
Y axial	1968761.8	96.1	%	0.96	96.1	%	0.96	1.00%
Ag 328.068†	201.0	0.0004	mg/L	0.00083	0.0004	mg/L	0.00083	184.74%
Al 396.153†	20389.1	5.677	mg/L	0.0163	5.677	mg/L	0.0163	0.29%
As 188.979†	-6.8	-0.0027	mg/L	0.00328	-0.0027	mg/L	0.00328	123.19%
B 208.889†	287.8	0.0473	mg/L	0.00196	0.0473	mg/L	0.00196	4.14%
Ba 233.527†	1061.5	0.5880	mg/L	0.00445	0.5880	mg/L	0.00445	0.76%
Be 313.107†	58.1	0.0005	mg/L	0.00015	0.0005	mg/L	0.00015	33.85%
Ca 317.933†	370532.8	107.5	mg/L	0.10	107.5	mg/L	0.10	0.10%
Cd 228.802†	1256.3	0.0535	mg/L	0.00065	0.0535	mg/L	0.00065	1.22%
Co 228.616†	11226.2	0.4638	mg/L	0.00093	0.4638	mg/L	0.00093	0.20%
Cr 267.716†	3830.5	0.0966	mg/L	0.00081	0.0966	mg/L	0.00081	0.84%
Cu 327.393†	15406.0	0.1481	mg/L	0.00170	0.1481	mg/L	0.00170	1.15%
Fe 238.204†	21157.9	11.39	mg/L	0.045	11.39	mg/L	0.045	0.40%
K 766.490†	1982.7	0.8144	mg/L	0.04092	0.8144	mg/L	0.04092	5.02%
Mg 285.213†	56871.7	7.802	mg/L	0.0236	7.802	mg/L	0.0236	0.30%
Mn 257.610†	2144.5	0.1633	mg/L	0.00132	0.1633	mg/L	0.00132	0.81%
Mo 202.031†	-29.2	-0.0012	mg/L	0.00055	-0.0012	mg/L	0.00055	45.26%
Na 589.592†	22898.6	1.895	mg/L	0.0200	1.895	mg/L	0.0200	1.06%
Ni 231.604†	4112.0	0.1983	mg/L	0.00201	0.1983	mg/L	0.00201	1.02%
Pb 220.353†	12294.0	5.291	mg/L	0.0132	5.291	mg/L	0.0132	0.25%
Sb 206.836†	3.4	-0.0045	mg/L	0.00179	-0.0045	mg/L	0.00179	39.85%
Se 196.026†	-34.8	-0.0157	mg/L	0.00145	-0.0157	mg/L	0.00145	9.25%
Sn 189.927†	-325.0	-0.0825	mg/L	0.00045	-0.0825	mg/L	0.00045	0.54%
Ti 337.279†	49515.0	3.695	mg/L	0.0022	3.695	mg/L	0.0022	0.06%
Tl 351.924†	54.7	0.0325	mg/L	0.00083	0.0325	mg/L	0.00083	2.56%
V 290.880†	1370.9	0.0266	mg/L	0.00074	0.0266	mg/L	0.00074	2.79%
Zn 206.200†	866506.4	60.87	mg/L	0.343	60.87	mg/L	0.343	0.56%
Zr 343.823†	97304.8	0.6589	mg/L	0.00196	0.6589	mg/L	0.00196	0.30%

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Batch ID: OPTIMA 3
Sequence No.: 31 **Autosampler Location: 53**
Sample ID: 24L1429-03 **Date Collected: 1/6/2025 3:33:53 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample): 220

Mean Data: 24L1429-03

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	118747.8	97.6	%	0.76	97.6	%	0.76	0.78%
Y axial	1960554.6	95.7	%	0.48	95.7	%	0.48	0.50%
Ag 328.068†	131.9	0.0004	mg/L	0.00058	0.0004	mg/L	0.00058	142.28%
Al 396.153†	14158.1	3.936	mg/L	0.0192	3.936	mg/L	0.0192	0.49%
As 188.979†	2.3	0.0057	mg/L	0.00182	0.0057	mg/L	0.00182	32.10%
B 208.889†	215.3	0.0354	mg/L	0.00032	0.0354	mg/L	0.00032	0.89%

Ba 233.527†	416.4	0.2307	mg/L	0.00089	0.2307	mg/L	0.00089	0.39%
Be 313.107†	45.4	0.0003	mg/L	0.00002	0.0003	mg/L	0.00002	6.72%
Ca 317.933†	510287.9	148.0	mg/L	0.31	148.0	mg/L	0.31	0.21%
Cd 228.802†	356.5	0.0159	mg/L	0.00012	0.0159	mg/L	0.00012	0.77%
Co 228.616†	7755.8	0.3202	mg/L	0.00110	0.3202	mg/L	0.00110	0.34%
Cr 267.716†	571.3	0.0145	mg/L	0.00003	0.0145	mg/L	0.00003	0.22%
Cu 327.393†	6515.7	0.0647	mg/L	0.00120	0.0647	mg/L	0.00120	1.85%
Fe 238.204†	5507.2	2.969	mg/L	0.0409	2.969	mg/L	0.0409	1.38%
K 766.490†	3195.4	1.313	mg/L	0.0238	1.313	mg/L	0.0238	1.81%
Mg 285.213†	2416.3	0.2883	mg/L	0.00473	0.2883	mg/L	0.00473	1.64%
Mn 257.610†	1785.1	0.1358	mg/L	0.00170	0.1358	mg/L	0.00170	1.26%
Mo 202.031†	-27.1	-0.0018	mg/L	0.00065	-0.0018	mg/L	0.00065	36.86%
Na 589.592†	13042.5	1.079	mg/L	0.0033	1.079	mg/L	0.0033	0.31%
Ni 231.604†	620.5	0.0296	mg/L	0.00021	0.0296	mg/L	0.00021	0.70%
Pb 220.353†	5745.7	2.473	mg/L	0.0434	2.473	mg/L	0.0434	1.75%
Sb 206.836†	35.3	0.0172	mg/L	0.00050	0.0172	mg/L	0.00050	2.93%
Se 196.026†	-16.8	-0.0153	mg/L	0.00336	-0.0153	mg/L	0.00336	21.96%
Sn 189.927†	-57.7	-0.0195	mg/L	0.00174	-0.0195	mg/L	0.00174	8.90%
Ti 337.279†	36694.6	2.738	mg/L	0.0066	2.738	mg/L	0.0066	0.24%
Tl 351.924†	67.6	0.0303	mg/L	0.00142	0.0303	mg/L	0.00142	4.69%
V 290.880†	822.6	0.0160	mg/L	0.00038	0.0160	mg/L	0.00038	2.39%
Zn 206.200†	551322.5	38.73	mg/L	0.167	38.73	mg/L	0.167	0.43%
Zr 343.823†	56408.8	0.3821	mg/L	0.00197	0.3821	mg/L	0.00197	0.52%

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Batch ID: OPTIMA 3
Sequence No.: 32 **Autosampler Location: 54**
Sample ID: 24L1429-04 **Date Collected: 1/6/2025 3:41:40 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample): 220

Mean Data: 24L1429-04

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	115237.1	94.7	%	1.61	94.7	%	1.61	1.70%
Y axial	1904850.0	93.0	%	0.20	93.0	%	0.20	0.22%
Ag 328.068†	24.6	0.0030	mg/L	0.00099	0.0030	mg/L	0.00099	32.82%
Al 396.153†	13658.4	3.807	mg/L	0.0726	3.807	mg/L	0.0726	1.91%
As 188.979†	3.4	0.0142	mg/L	0.00329	0.0142	mg/L	0.00329	23.13%
B 208.889†	290.9	0.0482	mg/L	0.00080	0.0482	mg/L	0.00080	1.66%
Ba 233.527†	24433.3	13.53	mg/L	0.031	13.53	mg/L	0.031	0.23%
Be 313.107†	106.1	0.0006	mg/L	0.00003	0.0006	mg/L	0.00003	4.57%
Ca 317.933†	528957.7	153.4	mg/L	0.70	153.4	mg/L	0.70	0.45%
Cd 228.802†	635.9	0.0274	mg/L	0.00039	0.0274	mg/L	0.00039	1.44%
Co 228.616†	8264.3	0.3393	mg/L	0.00535	0.3393	mg/L	0.00535	1.58%
Cr 267.716†	1727.4	0.0475	mg/L	0.00016	0.0475	mg/L	0.00016	0.35%
Cu 327.393†	22719.1	0.2165	mg/L	0.00385	0.2165	mg/L	0.00385	1.78%
Fe 238.204†	224935.7	121.0	mg/L	0.17	121.0	mg/L	0.17	0.14%
K 766.490†	1189.9	0.4888	mg/L	0.01541	0.4888	mg/L	0.01541	3.15%
Mg 285.213†	8352.1	1.201	mg/L	0.0220	1.201	mg/L	0.0220	1.83%
Mn 257.610†	10422.0	0.7944	mg/L	0.01397	0.7944	mg/L	0.01397	1.76%
Mo 202.031†	-132.1	0.0002	mg/L	0.00082	0.0002	mg/L	0.00082	373.60%
Na 589.592†	8550.2	0.7075	mg/L	0.00709	0.7075	mg/L	0.00709	1.00%
Ni 231.604†	1091.0	0.0523	mg/L	0.00039	0.0523	mg/L	0.00039	0.75%
Pb 220.353†	140309.6	60.36	mg/L	0.441	60.36	mg/L	0.441	0.73%
Sb 206.836†	141.9	0.0801	mg/L	0.00098	0.0801	mg/L	0.00098	1.22%
Se 196.026†	-219.5	-0.0178	mg/L	0.00440	-0.0178	mg/L	0.00440	24.72%
Sn 189.927†	53.5	0.0165	mg/L	0.00107	0.0165	mg/L	0.00107	6.50%
Ti 337.279†	30067.7	2.244	mg/L	0.0399	2.244	mg/L	0.0399	1.78%
Tl 351.924†	-28.7	0.0132	mg/L	0.00293	0.0132	mg/L	0.00293	22.09%
V 290.880†	843.4	0.0108	mg/L	0.00023	0.0108	mg/L	0.00023	2.11%
Zn 206.200†	784926.9	55.14	mg/L	0.310	55.14	mg/L	0.310	0.56%
Zr 343.823†	48760.0	0.3258	mg/L	0.00680	0.3258	mg/L	0.00680	2.09%

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Batch ID: OPTIMA 3
Sequence No.: 33 **Autosampler Location: 55**

Sample ID: 24L1429-05 **Date Collected: 1/6/2025 3:49:27 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample): 220

Mean Data: 24L1429-05

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y radial	112912.2	92.8	%	1.17	92.8	%	1.17	1.26%
Y axial	1915093.0	93.5	%	0.46	93.5	%	0.46	0.49%
Ag 328.068†	-3039.5	-0.0272	mg/L	0.00199	-0.0272	mg/L	0.00199	7.31%
Al 396.153†	4205.2	1.237	mg/L	0.0077	1.237	mg/L	0.0077	0.62%
As 188.979†	197.8	0.2841	mg/L	0.00388	0.2841	mg/L	0.00388	1.37%
B 208.889†	208.1	0.0345	mg/L	0.00056	0.0345	mg/L	0.00056	1.63%
Ba 233.527†	568.9	0.3151	mg/L	0.00187	0.3151	mg/L	0.00187	0.59%
Be 313.107†	323.3	0.0014	mg/L	0.00005	0.0014	mg/L	0.00005	3.30%
Ca 317.933†	6030.8	1.749	mg/L	0.0285	1.749	mg/L	0.0285	1.63%
Cd 228.802†	562.4	0.0221	mg/L	0.00044	0.0221	mg/L	0.00044	1.99%
Co 228.616†	2633.5	0.1101	mg/L	0.00122	0.1101	mg/L	0.00122	1.11%
Cr 267.716†	7898.2	0.2244	mg/L	0.00144	0.2244	mg/L	0.00144	0.64%
Cu 327.393†	29224.0	0.3001	mg/L	0.00223	0.3001	mg/L	0.00223	0.74%
Fe 238.204†	1455100.1	782.4	mg/L	0.81	782.4	mg/L	0.81	0.10%
K 766.490†	1270.4	0.5218	mg/L	0.03999	0.5218	mg/L	0.03999	7.66%
Mg 285.213†	16780.4	2.946	mg/L	0.0112	2.946	mg/L	0.0112	0.38%
Mn 257.610†	67180.8	5.121	mg/L	0.0150	5.121	mg/L	0.0150	0.29%
Mo 202.031†	-102.7	0.0571	mg/L	0.00124	0.0571	mg/L	0.00124	2.17%
Na 589.592†	2615.5	0.2164	mg/L	0.00128	0.2164	mg/L	0.00128	0.59%
Ni 231.604†	8581.7	0.4144	mg/L	0.00401	0.4144	mg/L	0.00401	0.97%
Pb 220.353†	547923.7	235.7	mg/L	1.60	235.7	mg/L	1.60	0.68%
Sb 206.836†	192.6	0.1124	mg/L	0.00109	0.1124	mg/L	0.00109	0.97%
Se 196.026†	-1376.2	-0.0376	mg/L	0.00586	-0.0376	mg/L	0.00586	15.59%
Sn 189.927†	586.3	0.1823	mg/L	0.00206	0.1823	mg/L	0.00206	1.13%
Ti 337.279†	1228.6	0.0917	mg/L	0.00096	0.0917	mg/L	0.00096	1.04%
Tl 351.924†	-605.1	-0.0990	mg/L	0.00132	-0.0990	mg/L	0.00132	1.33%
V 290.880†	3136.9	0.0255	mg/L	0.00080	0.0255	mg/L	0.00080	3.13%
Zn 206.200†	746629.8	52.48	mg/L	0.163	52.48	mg/L	0.163	0.31%
Zr 343.823†	853.4	-0.0237	mg/L	0.00015	-0.0237	mg/L	0.00015	0.62%

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Batch ID: OPTIMA 3
Sequence No.: 34 **Autosampler Location: 56**
Sample ID: 24L1429-06 **Date Collected: 1/6/2025 3:57:15 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample): 220

Mean Data: 24L1429-06

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y radial	115929.9	95.3	%	1.53	95.3	%	1.53	1.61%
Y axial	1942559.5	94.9	%	1.19	94.9	%	1.19	1.25%
Ag 328.068†	32.4	-0.0014	mg/L	0.00091	-0.0014	mg/L	0.00091	64.63%
Al 396.153†	18703.7	5.211	mg/L	0.0134	5.211	mg/L	0.0134	0.26%
As 188.979†	2.1	0.0113	mg/L	0.00781	0.0113	mg/L	0.00781	69.20%
B 208.889†	226.1	0.0373	mg/L	0.00149	0.0373	mg/L	0.00149	4.01%
Ba 233.527†	6689.3	3.706	mg/L	0.0378	3.706	mg/L	0.0378	1.02%
Be 313.107†	61.5	0.0005	mg/L	0.00005	0.0005	mg/L	0.00005	9.99%
Ca 317.933†	328443.0	95.25	mg/L	0.217	95.25	mg/L	0.217	0.23%
Cd 228.802†	294.2	0.0136	mg/L	0.00021	0.0136	mg/L	0.00021	1.55%
Co 228.616†	9294.7	0.3837	mg/L	0.01035	0.3837	mg/L	0.01035	2.70%
Cr 267.716†	11917.2	0.3010	mg/L	0.00775	0.3010	mg/L	0.00775	2.57%
Cu 327.393†	20263.4	0.1929	mg/L	0.00431	0.1929	mg/L	0.00431	2.24%
Fe 238.204†	100996.7	54.31	mg/L	0.150	54.31	mg/L	0.150	0.28%
K 766.490†	1182.8	0.4859	mg/L	0.01679	0.4859	mg/L	0.01679	3.46%
Mg 285.213†	8787.4	1.219	mg/L	0.0214	1.219	mg/L	0.0214	1.75%
Mn 257.610†	5303.1	0.4041	mg/L	0.00653	0.4041	mg/L	0.00653	1.62%

Mo 202.031†	-40.5	0.0015	mg/L	0.00099	0.0015	mg/L	0.00099 66.23%
Na 589.592†	10354.3	0.8568	mg/L	0.00626	0.8568	mg/L	0.00626 0.73%
Ni 231.604†	1729.0	0.0831	mg/L	0.00094	0.0831	mg/L	0.00094 1.13%
Pb 220.353†	132405.0	56.97	mg/L	0.196	56.97	mg/L	0.196 0.34%
Sb 206.836†	38.3	0.0140	mg/L	0.00398	0.0140	mg/L	0.00398 28.53%
Se 196.026†	-100.7	-0.0105	mg/L	0.00385	-0.0105	mg/L	0.00385 36.74%
Sn 189.927†	-81.2	-0.0249	mg/L	0.00301	-0.0249	mg/L	0.00301 12.13%
Ti 337.279†	38049.9	2.840	mg/L	0.0461	2.840	mg/L	0.0461 1.62%
Tl 351.924†	16.2	0.0291	mg/L	0.00399	0.0291	mg/L	0.00399 13.75%
V 290.880†	813.2	0.0148	mg/L	0.00081	0.0148	mg/L	0.00081 5.51%
Zn 206.200†	556592.5	39.10	mg/L	0.120	39.10	mg/L	0.120 0.31%
Zr 343.823†	106305.6	0.7183	mg/L	0.01634	0.7183	mg/L	0.01634 2.27%

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Batch ID: OPTIMA 3
Sequence No.: 35 **Autosampler Location: 57**
Sample ID: 24L1430-02 **Date Collected: 1/6/2025 4:05:03 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample): 220

Mean Data: 24L1430-02

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	116190.1	95.5	%	0.94	95.5	%	0.94	0.99%
Y axial	1943775.5	94.9	%	0.84	94.9	%	0.84	0.88%
Ag 328.068†	32.0	0.0006	mg/L	0.00075	0.0006	mg/L	0.00075	117.13%
Al 396.153†	42000.2	11.72	mg/L	0.056	11.72	mg/L	0.056	0.48%
As 188.979†	-3.0	-0.0010	mg/L	0.00351	-0.0010	mg/L	0.00351	354.94%
B 208.889†	153.6	0.0249	mg/L	0.00167	0.0249	mg/L	0.00167	6.71%
Ba 233.527†	141.6	0.0785	mg/L	0.00515	0.0785	mg/L	0.00515	6.56%
Be 313.107†	39.7	0.0002	mg/L	0.00005	0.0002	mg/L	0.00005	31.44%
Ca 317.933†	238938.4	69.29	mg/L	0.347	69.29	mg/L	0.347	0.50%
Cd 228.802†	126.6	0.0054	mg/L	0.00034	0.0054	mg/L	0.00034	6.37%
Co 228.616†	848.9	0.0341	mg/L	0.00074	0.0341	mg/L	0.00074	2.17%
Cr 267.716†	2846.4	0.0716	mg/L	0.00114	0.0716	mg/L	0.00114	1.59%
Cu 327.393†	35664.1	0.3265	mg/L	0.00393	0.3265	mg/L	0.00393	1.20%
Fe 238.204†	8861.7	4.765	mg/L	0.0337	4.765	mg/L	0.0337	0.71%
K 766.490†	4044.7	1.661	mg/L	0.0547	1.661	mg/L	0.0547	3.29%
Mg 285.213†	11070.8	1.508	mg/L	0.0094	1.508	mg/L	0.0094	0.62%
Mn 257.610†	544.3	0.0415	mg/L	0.00064	0.0415	mg/L	0.00064	1.54%
Mo 202.031†	85.9	0.0068	mg/L	0.00096	0.0068	mg/L	0.00096	14.13%
Na 589.592†	54022.9	4.470	mg/L	0.0475	4.470	mg/L	0.0475	1.06%
Ni 231.604†	1592.3	0.0769	mg/L	0.00105	0.0769	mg/L	0.00105	1.37%
Pb 220.353†	875.9	0.3780	mg/L	0.00873	0.3780	mg/L	0.00873	2.31%
Sb 206.836†	6.2	0.0015	mg/L	0.00157	0.0015	mg/L	0.00157	104.18%
Se 196.026†	-16.2	-0.0080	mg/L	0.00443	-0.0080	mg/L	0.00443	55.38%
Sn 189.927†	-54.9	-0.0134	mg/L	0.00084	-0.0134	mg/L	0.00084	6.28%
Ti 337.279†	9679.5	0.7221	mg/L	0.00561	0.7221	mg/L	0.00561	0.78%
Tl 351.924†	43.7	0.0165	mg/L	0.00218	0.0165	mg/L	0.00218	13.22%
V 290.880†	472.5	0.0095	mg/L	0.00065	0.0095	mg/L	0.00065	6.91%
Zn 206.200†	10453.4	0.7362	mg/L	0.00451	0.7362	mg/L	0.00451	0.61%
Zr 343.823†	3225.8	0.0217	mg/L	0.00057	0.0217	mg/L	0.00057	2.64%

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Batch ID: OPTIMA 3
Sequence No.: 36 **Autosampler Location: 5**
Sample ID: SEQ-CCV@ 23IJ0975 **Date Collected: 1/6/2025 4:12:51 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample): 220

Mean Data: SEQ-CCV@ 23IJ0975

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	115828.1	95.2	%	1.27	95.2	%	1.27	1.34%

Y axial	1951795.0	95.3 %	1.34	95.3 %	1.34	1.40%
Ag 328.068†	138775.4	2.513 mg/L	0.0683	2.513 mg/L	0.0683	2.72%
QC value within limits for Ag 328.068 Recovery = 100.52%						
Al 396.153†	37165.8	10.12 mg/L	0.030	10.12 mg/L	0.030	0.30%
QC value within limits for Al 396.153 Recovery = 101.16%						
As 188.979†	4491.2	5.025 mg/L	0.0681	5.025 mg/L	0.0681	1.36%
QC value within limits for As 188.979 Recovery = 100.50%						
B 208.889†	31467.9	4.951 mg/L	0.0654	4.951 mg/L	0.0654	1.32%
QC value within limits for B 208.889 Recovery = 99.01%						
Ba 233.527†	9045.1	5.009 mg/L	0.1432	5.009 mg/L	0.1432	2.86%
QC value within limits for Ba 233.527 Recovery = 100.18%						
Be 313.107†	967380.3	4.839 mg/L	0.0815	4.839 mg/L	0.0815	1.68%
QC value within limits for Be 313.107 Recovery = 96.77%						
Ca 317.933†	33705.7	9.775 mg/L	0.0693	9.775 mg/L	0.0693	0.71%
QC value within limits for Ca 317.933 Recovery = 97.75%						
Cd 228.802†	121082.3	4.963 mg/L	0.0208	4.963 mg/L	0.0208	0.42%
QC value within limits for Cd 228.802 Recovery = 99.25%						
Co 228.616†	116811.9	4.902 mg/L	0.0192	4.902 mg/L	0.0192	0.39%
QC value within limits for Co 228.616 Recovery = 98.05%						
Cr 267.716†	197043.9	4.946 mg/L	0.0116	4.946 mg/L	0.0116	0.24%
QC value within limits for Cr 267.716 Recovery = 98.92%						
Cu 327.393†	558725.5	5.109 mg/L	0.0240	5.109 mg/L	0.0240	0.47%
QC value within limits for Cu 327.393 Recovery = 102.18%						
Fe 238.204†	9038.5	4.974 mg/L	0.0196	4.974 mg/L	0.0196	0.39%
QC value within limits for Fe 238.204 Recovery = 99.48%						
K 766.490†	24812.0	10.19 mg/L	0.033	10.19 mg/L	0.033	0.32%
QC value within limits for K 766.490 Recovery = 101.92%						
Mg 285.213†	73731.0	10.11 mg/L	0.030	10.11 mg/L	0.030	0.29%
QC value within limits for Mg 285.213 Recovery = 101.05%						
Mn 257.610†	67026.1	5.099 mg/L	0.0208	5.099 mg/L	0.0208	0.41%
QC value within limits for Mn 257.610 Recovery = 101.99%						
Mo 202.031†	66077.0	4.897 mg/L	0.0128	4.897 mg/L	0.0128	0.26%
QC value within limits for Mo 202.031 Recovery = 97.93%						
Na 589.592†	123602.8	10.23 mg/L	0.225	10.23 mg/L	0.225	2.20%
QC value within limits for Na 589.592 Recovery = 102.28%						
Ni 231.604†	100077.5	4.834 mg/L	0.0181	4.834 mg/L	0.0181	0.37%
QC value within limits for Ni 231.604 Recovery = 96.68%						
Pb 220.353†	11042.4	4.763 mg/L	0.0538	4.763 mg/L	0.0538	1.13%
QC value within limits for Pb 220.353 Recovery = 95.25%						
Sb 206.836†	8423.8	4.947 mg/L	0.0603	4.947 mg/L	0.0603	1.22%
QC value within limits for Sb 206.836 Recovery = 98.94%						
Se 196.026†	7124.6	4.961 mg/L	0.0640	4.961 mg/L	0.0640	1.29%
QC value within limits for Se 196.026 Recovery = 99.21%						
Sn 189.927†	16475.7	4.980 mg/L	0.0704	4.980 mg/L	0.0704	1.41%
QC value within limits for Sn 189.927 Recovery = 99.59%						
Ti 337.279†	67272.7	5.026 mg/L	0.0212	5.026 mg/L	0.0212	0.42%
QC value within limits for Ti 337.279 Recovery = 100.52%						
Tl 351.924†	7317.9	2.882 mg/L	0.0447	2.882 mg/L	0.0447	1.55%
QC value greater than the upper limit for Tl 351.924 Recovery = 115.29%						
V 290.880†	250017.0	4.985 mg/L	0.0300	4.985 mg/L	0.0300	0.60%
QC value within limits for V 290.880 Recovery = 99.69%						
Zn 206.200†	70294.1	4.982 mg/L	0.0094	4.982 mg/L	0.0094	0.19%
QC value within limits for Zn 206.200 Recovery = 99.65%						
Zr 343.823†	692344.0	4.691 mg/L	0.0325	4.691 mg/L	0.0325	0.69%

QC Failed. Continue with analysis.

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Batch ID: OPTIMA 3
Sequence No.: 37 **Autosampler Location: 1**
Sample ID: SEQ-CCB@ 23J0970 **Date Collected: 1/6/2025 4:19:41 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Rinse Time (before sample): 220

Mean Data: SEQ-CCB@ 23J0970

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	115882.6	95.3	%	1.07	95.3	%	1.07	1.12%

```
Y axial        1963338.9        95.9 %               1.75        95.9 %               1.75   1.83%
Ag 328.068†        -18.1     -0.0003 mg/L          0.00081     -0.0003 mg/L          0.00081 243.32%
   QC value within limits for Ag 328.068  Recovery = Not calculated
Al 396.153†         12.5      0.0035 mg/L          0.00976      0.0035 mg/L          0.00976 281.06%
   QC value within limits for Al 396.153  Recovery = Not calculated
As 188.979†         -0.9     -0.0010 mg/L          0.00590     -0.0010 mg/L          0.00590 606.30%
   QC value within limits for As 188.979  Recovery = Not calculated
B 208.889†         124.3      0.0204 mg/L          0.00128      0.0204 mg/L          0.00128   6.28%
   QC value within limits for B 208.889  Recovery = Not calculated
Ba 233.527†         -0.5     -0.0003 mg/L          0.00115     -0.0003 mg/L          0.00115 398.94%
   QC value within limits for Ba 233.527  Recovery = Not calculated
Be 313.107†         37.3      0.0002 mg/L          0.00006      0.0002 mg/L          0.00006  32.75%
   QC value within limits for Be 313.107  Recovery = Not calculated
Ca 317.933†        -22.5     -0.0065 mg/L          0.00224     -0.0065 mg/L          0.00224  34.24%
   QC value within limits for Ca 317.933  Recovery = Not calculated
Cd 228.802†          3.8      0.0002 mg/L          0.00028      0.0002 mg/L          0.00028 171.78%
   QC value within limits for Cd 228.802  Recovery = Not calculated
Co 228.616†          1.4      0.0001 mg/L          0.00063      0.0001 mg/L          0.00063 >999.9%
   QC value within limits for Co 228.616  Recovery = Not calculated
Cr 267.716†         38.6      0.0010 mg/L          0.00072      0.0010 mg/L          0.00072  74.33%
   QC value within limits for Cr 267.716  Recovery = Not calculated
Cu 327.393†        698.4      0.0064 mg/L          0.00098      0.0064 mg/L          0.00098  15.38%
   QC value within limits for Cu 327.393  Recovery = Not calculated
Fe 238.204†          5.1      0.0028 mg/L          0.00238      0.0028 mg/L          0.00238  86.09%
   QC value within limits for Fe 238.204  Recovery = Not calculated
K 766.490†          30.6      0.0126 mg/L          0.04092      0.0126 mg/L          0.04092 325.55%
   QC value within limits for K 766.490  Recovery = Not calculated
Mg 285.213†         -2.9     -0.0004 mg/L          0.00128     -0.0004 mg/L          0.00128 318.77%
   QC value within limits for Mg 285.213  Recovery = Not calculated
Mn 257.610†         -1.7     -0.0001 mg/L          0.00045     -0.0001 mg/L          0.00045 353.16%
   QC value within limits for Mn 257.610  Recovery = Not calculated
Mo 202.031†          3.5      0.0003 mg/L          0.00055      0.0003 mg/L          0.00055 213.39%
   QC value within limits for Mo 202.031  Recovery = Not calculated
Na 589.592†       -112.9     -0.0093 mg/L          0.00908     -0.0093 mg/L          0.00908  97.20%
   QC value within limits for Na 589.592  Recovery = Not calculated
Ni 231.604†          3.3      0.0002 mg/L          0.00072      0.0002 mg/L          0.00072 458.98%
   QC value within limits for Ni 231.604  Recovery = Not calculated
Pb 220.353†         67.8      0.0292 mg/L          0.00281      0.0292 mg/L          0.00281   9.64%
   QC value greater than the upper limit for Pb 220.353  Recovery = Not calculated
Sb 206.836†          3.2      0.0019 mg/L          0.00303      0.0019 mg/L          0.00303 163.20%
   QC value within limits for Sb 206.836  Recovery = Not calculated
Se 196.026†         -5.0     -0.0035 mg/L          0.00169     -0.0035 mg/L          0.00169  48.82%
   QC value within limits for Se 196.026  Recovery = Not calculated
Sn 189.927†         -0.3     -0.0001 mg/L          0.00027     -0.0001 mg/L          0.00027 279.92%
   QC value within limits for Sn 189.927  Recovery = Not calculated
Ti 337.279†         11.1      0.0008 mg/L          0.00052      0.0008 mg/L          0.00052  62.58%
   QC value within limits for Ti 337.279  Recovery = Not calculated
Tl 351.924†         29.6      0.0112 mg/L          0.01537      0.0112 mg/L          0.01537 137.05%
   QC value within limits for Tl 351.924  Recovery = Not calculated
V 290.880†          71.9      0.0014 mg/L          0.00123      0.0014 mg/L          0.00123  88.54%
   QC value within limits for V 290.880  Recovery = Not calculated
Zn 206.200†        301.2      0.0212 mg/L          0.00326      0.0212 mg/L          0.00326  15.41%
   QC value greater than the upper limit for Zn 206.200  Recovery = Not calculated
Zr 343.823†         12.4      0.0001 mg/L          0.00005      0.0001 mg/L          0.00005  54.81%
QC Failed.  Continue with analysis.
User canceled analysis.

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Analysis Begun

Start Time: 1/6/2025 4:24:29 PM                  Plasma On Time: 1/6/2025 5:01:25 AM
Originator: Optima8300                           Technique: ICP Continuous
Spectrometer: Optima 8300 , S/N 078S1703073      Autosampler: S10

Sample Information File: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Sample Information\
                         0106A25.sifx
Results Data Set: 0106A25
Results Library: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Results\Results.mdb

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