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PRE-DESIGN INVESTIGATION REPORT

350-352 Liberty Street Site – NYSDEC Site # B00189

350-352 Liberty Street
Newburgh, New York 12550

Prepared For:

Allison Spinelli
Assistant City Engineer
City of Newburgh
83 Broadway
Newburgh, New York 12550

Prepared By:

HRP Associates, Inc.
1 Fairchild Square, Suite 110
Clifton Park, NY 12065

HRP #: NEW6313.RA

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Project/Site Information:

350-352 LIBERTY STREET SITE
(NYSDEC Site # B00189)
350-352 LIBERTY STREET, NEWBURGH,
NEW YORK 12550
(HRP #NEW6313.RA)

Consultant Information:

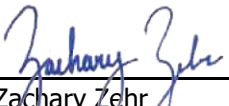
HRP Associates, Inc.
1 Fairchild Square, Suite 110
Clifton Park, NY 12065
Phone: 518-877-7101
Fax: 518-877-8561
E-mail: Patrick.Montuori@hrpassociates.com

Client Information:

Allison Spinelli
Assistant City Engineer
City of Newburgh
83 Broadway
Newburgh, New York 12550

Report Date: March 19, 2025

Report Author:


Zachary Zehr
Associate Consultant

Project Manager:


Patrick Montuori, P.G.
Project Manager

QEP Certification:

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


Patrick Montuori, P.G. - Project Manager

1.0 INTRODUCTION

This report describes the Pre-Design Investigation (PDI) performed by HRP Associates, Inc. (HRP) at the 350-352 Liberty Street Site located at 350-352 Liberty Street in Newburgh, New York (herein referred to as the Site) on behalf of the City of Newburgh. The Site is part of the New York Department of Environmental Conservation's (NYSDEC) Environmental Restoration Program (ERP) and is identified as NYSDEC Site #B00189. The Site location is depicted on **Figure 1**.

The PDI was completed to determine if Site groundwater was impacted by the emerging contaminants per- and polyfluoroalkyl substances (PFAS) and 1,4-dioxane and to determine if potential soil vapor intrusion (SVI) impacts are present in an adjacent off-site building.

Interpretations presented within this report are based primarily on the investigations described herein. Site history and background information were compiled by HRP based on review of the Remedial Investigation (RI) Report prepared by C. T. Male Associates Engineering, Surveying, Architecture & Landscape Architecture P.C. (C.T. Male, 2013), previous environmental reports and other records obtained from the NYSDEC, New York State Department of Health (NYSDOH), and other agencies. Applicable data from available documents and environmental investigations have been included in sections of this report.

The remainder of this report includes a description of the Site and relevant background information, field activities, findings, conclusions and recommendations.

1.1 Site Description and Background Information

The Site is located at 350-352 Liberty Street in Newburgh, New York (**Figure 1**). The 0.12-acre Site consists of a vacant lot owned by the City of Newburgh and used by the City for parking. A former gas station and automotive repair shop operated on-site from the 1950s until the 1980s and was demolished as part of an interim remedial measure (IRM) that was completed in 2011.

The Site consists of undeveloped land with an unpaved surface. The Site is mostly unvegetated except for some small trees on its eastern side. A chain link fence wraps around the western and southern boundaries, separating the Site from Liberty Street and the neighboring residential property at 348 Liberty Street. The fence also encompasses 360 Liberty Street, which is also owned by the City. 360 Liberty Street consists of a vacant former commercial building and an unpaved lot. A Site plan is included as **Figure 2**.

1.2 Site Geology and Hydrogeology

Site topography is generally flat. The Hudson River is located approximately 1,400 ft east of the Site and is the nearest surface water body.

Based on three PDI soil borings (PDI-SB-1 through -3) installed to a depths ranging from 17 to 25 ft bg, Site soils consist of fill materials, which included construction and demolition (C&D) debris, coal, ash, and cinders in a sand and silt matrix (0- 5 feet below grade [ft bg]), followed by sand and silt with varying amounts of gravel (5-20 ft bg), and silt, with varying amounts of sand, clay, and

gravel (20-25 ft bg). PDI observations generally agree with observations made during soil boring installation, test pit excavation, and remedial excavations completed during the RI. PDI soil boring logs are included in **Appendix A**. The United States Department of Agriculture (USDA) Soil Conservation Service (SCS) identifies Site soils as the Mardin gravelly silt loam, 3 to 8 percent slopes, a class D gravelly silt loam characterized with very slow infiltration rates and coarse to fine textures. Site surficial geology is mapped as till (Caldwell et. al., 1986).

Bedrock beneath the Site is mapped as an unknown unit (Fischer et. al. 1970). Bedrock has not been encountered in on-site investigations. Refusal was encountered from 4-17 ft bg in four attempts to install PDI-SB-3, while PDI-SB-1 and -2 did not meet refusal to 25 ft bg. RI soil borings met refusal at depths ranging from 18-22 ft bg. Based on test pit and IRM remedial excavation, soil boring refusal was attributed to boulders.

During the PDI, depth to groundwater was measured at 17.68 – 22.33 ft below top of casing (approximately 17-20 ft bg). PDI monitoring well construction details and depth to water measurements are presented on **Table 1**. Based on groundwater contour maps produced for the RI, groundwater was determined to flow towards the east, as depicted on **Figure 2**.

1.3 Previous Investigations and Site History

The following Site history and environmental investigation history have been compiled based on summaries in the RI and the April 2013 Record of Decision (ROD) issued by the NYSDEC.

The Site historically operated as a gas station and automotive repair shop from the 1950s until the 1980s. The Site contained several underground storage tanks (USTs), one aboveground storage tank (AST), drainage structures, and hydraulic lifts which were removed from the Site as part of an IRM in 2011. Locations of removed Site features associated with the former gas station and automotive repair shop, and IRM remedial excavation areas, are depicted on **Figure 2**.

The RI, which was conducted between 2010 and 2012, included the installation of on-site soil borings, test pits, and monitoring wells, and on-site and off-site soil vapor points and ambient air samples. Because IRM excavation activities were performed during the RI, several monitoring wells were decommissioned, as depicted on **Figure 2**.

The RI determined VOCs, SVOCs, and metals were present in Site soils at concentrations exceeding standards, criteria, and guidance (SCGs). Gross petroleum impacts were observed in subsurface soils straddling the water table throughout the Site. In groundwater, VOCs were observed at concentrations exceeding SCGs. Petroleum and solvent-related VOCs were observed in on-site soil vapor; however since no structures are present on-site, the presence of SVI could not be evaluated. Sub-slab soil vapor and indoor air sampling was performed at the neighboring off-site property to the south, located at 348 Liberty Street. No VOCs were detected exceeding SCGs in the off-site property.

Based on the findings of the RI, the ROD identified the following compounds as contaminants of concern.

- The VOCs acetone, benzene, methylene chloride, tetrachloroethene, 1,2,4-trimethylbenzene, and 1,3,5-trimethylbenzene.
- The SVOCs benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene.
- The metals arsenic, barium, cadmium, copper, lead, mercury, and selenium.

1.4 Summary of Proposed Remedy

Based on the RI and Alternative Analysis (AA) reports, a remedy was selected and documented in the ROD. The selected remedy includes the following components:

- A remedial design program will be implemented to provide the details necessary for the construction, operation, maintenance, and monitoring of the remedy. Green remediation principles and techniques will be implemented to the extent feasible in the design, implementation, and site management of the remedy as per DER-31.
- A site cover system will be required to allow for restricted-residential use of the Site in areas where the upper two feet of exposed surface soil will exceed applicable SCOs.
- An environmental easement will be required as an institutional control.
- A Site Management Plan (SMP) will be required, including an institutional and engineering control plan and a monitoring plan to assess the performance and effectiveness of the remedy.

1.5 Data Gaps

The purpose of this PDI is to address the data gaps in the conceptual site model (CSM) which may impact the design and implementation of components of the Site remedy. Based on HRP and NYSDEC's review of the RI, the following data gaps were identified:

- Prior to the PDI, groundwater samples were not analyzed for the emerging contaminants, PFAS and 1,4-dioxane.
- SVI sampling was completed at the neighboring off-site property at 348 Liberty Street; however, the data was not validated.

During this initial phase of PDI work completed in March and April of 2024, due to several monitoring wells being previously decommissioned, compromised, or lost, groundwater sampling was limited to one location, MW-104, located on the southwestern portion of the Site. PFAS was detected in the groundwater sample collected from MW-104 at concentrations exceeding SCGs, including perfluorooctanesulfonic acid (PFOS) and perfluorooctanoic acid (PFOA). However, the extent of PFAS impacts to groundwater across the Site could not be defined due to the limitations of the monitoring well network.

Based on the results of the initial PDI activities, the following additional data gap was identified and investigated during subsequent PDI field work:

- Site groundwater has not been investigated for the presence of contaminants of concern since groundwater sampling completed for the RI (2012).

2.0 FIELD ACTIVITIES

The following field activities were completed as part of this PDI to fill the data gaps identified in **Section 1.5**. Field activities were completed in general accordance with the PDI Work Plan dated February 16, 2024, and the PDI Work Plan Addendum dated June 14, 2024 (collectively the PDI Work Plans).

- Completion of a Site survey on March 11, 2024.
- Inventory and sampling of existing Site monitoring wells on April 18, 2024. Samples were collected from MW-104 only and were analyzed for PFAS and 1,4-dioxane.
- Completion of an SVI investigation at the off-site residential apartment building 348 Liberty Street (neighbors the Site to the south).
- Completion of a private utility mark out on October 24, 2024
- Installation of three soil borings and two overburden monitoring wells on November 1, 2024.
- Collection of groundwater samples from the two newly installed monitoring wells and the existing monitoring well MW-104 for VOC, SVOC, metals, PFAS, and 1,4-dioxane laboratory analysis on November 15, 2024.

Each of the field activities are described in detail below. Deviations from the PDI Work Plans are summarized in **Section 2.5**.

2.1 Site Survey

HRP retained the services of Creighton Manning Engineering, LLP (Creighton Manning) to complete a survey of existing monitoring well locations. Survey field work was completed on March 11, 2024. Soil borings and monitoring wells installed in October 2024 have not yet been surveyed. The soil boring locations were recorded by measuring distances from landmarks in the field (swing-tie measurements). The monitoring well locations and elevations will be surveyed by a NYS licensed surveyor as part of the Site survey completed following installation of the Site cover system. The survey prepared in March 2024, prior to the installation of the new monitoring wells, is included as **Appendix B**.

2.2 Utility Markout

Prior to conducting drilling activities, HRP called in underground utility clearance through the NYS Code Rule 753/Dig Safe System to mark out public utilities coming into the Site from the street.

On October 24, 2024, on-site underground utility clearance and a Site GPR survey were conducted by Greenstar Environmental Solutions, LLC (Greenstar). GPR surveying is a nonintrusive, subsurface geophysical investigation technique that detects subsurface structures by transmitting electromagnetic waves from an antenna into the ground. The antenna then monitors the strength and time delay of the return signal. The return signal is then evaluated for any anomalies, which by their size, shape and orientation can be interpreted as voids, underground storage tanks, utility pipelines, soil-bedrock interface or areas of different sediment compaction.

The GPR survey was conducted at all accessible areas within the Site boundary. No utilities were identified entering the Site. Three anomalies were located in the south-central portion of the Site, in a former UST excavation area. One anomaly was determined to be approximately six feet long and four feet wide, the other two were determined to be approximately 4-feet long and three feet wide. Both anomalies were determined to be approximately 2.5-3 ft bg. The locations of the anomalies are depicted on the GPR survey report included in **Appendix C**.

2.3 Groundwater Investigation

2.3.1 April 2024 Monitoring Well Sampling

On April 18, 2024, HRP mobilized to the Site to locate and sample existing monitoring wells installed during the RI, for the purpose of identifying the presence of emerging contaminants in accordance with the PDI Work Plan. Only two monitoring wells (MW-104 and MW-105) were located and determined to be in adequate condition for sample collection. Due to the proximity of the wells, samples were collected from MW-104 only during the April 2024 sampling event. Two other wells, MW-102 and MW-5, were found but could not be sampled as the well heads were filled with soil. Groundwater samples were collected from MW-104 in accordance with the PDI Work Plans and the *NYSDEC Sampling, Analysis, and Assessment of PFAS Under NYSDEC Part 375 Remedial Programs, April 2023* guidance document (NYSDEC PFAS Guidance Document). Samples were not collected from MW-105 due to its proximity to MW-104. One Site groundwater sample (MW-104) was analyzed for PFAS by EPA Method 1633 and 1,4-dioxane EPA Method 8270 SIM. In addition, 5 QA/QC groundwater samples (1 MS, 1 MSD, 1 field duplicate, and 1 equipment blank) were collected. The monitoring well locations are depicted on **Figure 2**. The groundwater sampling log is included in **Appendix D**.

HRP conducted a Site walk-through to find the remaining monitoring wells using a Schonstedt GA-92 XTD Magnetic Locator and excavation hand tools. No other monitoring wells were found. According to the RI, monitoring wells MW-1, -2, -6, and -7 were decommissioned during IRM activities. The monitoring well locations are depicted on **Figure 2**.

2.3.2 Decommissioning of Wells

On November 1, 2024, HRP oversaw Core Down Drilling, LLC. (Core Down) during the decommissioning of monitoring wells MW-102 and MW-5. Monitoring wells were decommissioned in accordance with NYSDEC *CP-43: Groundwater Monitoring Well Decommissioning Policy*. The manhole was removed, and the upper two feet of well casing was cut and removed. Upon removing the surface casing, it was determined that both of the wells were already filled with grout. Following removal of surface casing, the ground surface was repaired with gravel. The monitoring well locations are depicted on **Figure 2**.

2.3.3 Well Installation

On November 1, 2024, HRP oversaw Core Down during the installation of two monitoring wells, MW-201 and -202 in accordance with the PDI Work Plan Addendum. The monitoring wells were installed to supplement existing monitoring wells MW-104 and -105 by providing downgradient sampling

locations. Due to shallow refusal, a third monitoring well proposed for the upgradient northwest corner of the Site could not be installed.

Monitoring wells were installed using a Geoprobe 6712 DT drill rig equipped with a hollow stem auger. Each monitoring well was constructed of 2-inch schedule 40 PVC with 10 feet of 10-slot screen positioned to intercept the groundwater interface (as observed in soil borings). Drill cuttings generated by the well installs were containerized in labeled 55-gallon drums and staged on-site for future disposal. Prior to installing each well, a soil boring was advanced to a depth of 25 ft bg or refusal to determine depth to groundwater and to log and screen site soils. Three soil borings were attempted using the hollow stem auger method within 10 ft of the PDI-SB-3 location in the northwest corner of the Site; however, on each attempt refusal was met at depths ranging from 4 to 17 ft bg.

Soil boring logs are included in **Appendix A**. Well construction details are summarized in **Table 1** and well construction logs are included in **Appendix E**. Monitoring well and soil boring locations are depicted on **Figure 2**.

2.3.4 Well Development

On November 1, 2024, HRP oversaw Core Down during the development of each of the newly installed monitoring wells. The wells were developed by pumping and surging until 6-10 well volumes of groundwater were removed and groundwater observed to be visually clear. Groundwater generated during development was containerized in labeled 55-gallon drums and staged on-site for future disposal.

2.3.5 Sampling of Wells

On November 15, 2024, HRP mobilized to the Site to gauge and sample existing monitoring wells MW-104 and -105 and the newly installed monitoring wells MW-201, and 202. Groundwater samples were collected to determine the nature and extent of emerging contaminants in Site groundwater and to collect pre-remediation baseline groundwater data for contaminants of concern.

A synoptic round of depth to water measurements were recorded before sampling and are presented on **Table 1**. Groundwater samples were collected using low-flow groundwater sampling procedures in accordance with the PDI Work Plans and the NYSDEC PFAS Guidance Document. The samples were collected using a peristaltic pump and dedicated high density polyethylene tubing and were transferred to appropriately labeled laboratory-supplied containers, stored on ice, and submitted under chain of custody to York Analytical Laboratories (York), an Environmental Laboratory Approval Program (ELAP) certified laboratory. The groundwater sampling logs can be found in **Appendix D**. Monitoring well locations are depicted on **Figure 2**.

A total of four Site groundwater samples were collected for the following analyses performed by York:

- PFAS by EPA Method 1633
- 1,4- dioxane by EPA Method 8270 SIM
- Target Compound List (TCL) VOCs by EPA Method 8260
- TCL SVOCs by EPA Method 8270

- Resource Conservation and Recovery Act (RCRA) Metals by EPA Methods 6010D & 7470A

In addition, QA/QC groundwater samples (including one duplicate, one MS, one MSD, and one field blank) were collected for each of the analyses above. One trip blank was analyzed for VOCs by EPA Method 8260.

2.4 Soil Vapor Intrusion Structure Sampling

At the request of the NYSDEC and NYSDOH, SVI structure sampling was performed at the adjacent off-site apartment building immediately south of the Site at 348 Liberty Street. The sampling was performed to confirm unvalidated data from an RI SVI sampling event completed at the property in 2012. The SVI investigation was completed on March 28-29, 2025, and consisted of the collection of two sub-slab soil vapor samples, two indoor air samples, one duplicate indoor air sample, and an outdoor air sample. Sample locations are depicted on **Figure 2**.

SVI samples were collected in accordance with the New York State Department of Health's (NYSDOH's) *Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006 (updated May 2017)*. In accordance with the NYSDOH guidance document, a building questionnaire and chemical inventory was completed and are included as **Appendix F**. SVI samples were collected using 6-liter summa canisters equipped with 24-hour regulators and were submitted to York under chain of custody for analysis of VOCs by EPA Method TO-15.

2.5 Deviations

- The PDI Work Plan indicated groundwater samples would be collected from up to five existing monitoring wells for PFAS and 1,4-dioxane analysis during the April 2024 sampling event; however, only two wells (MW-104 and -105) were found to be in adequate condition for sampling. Other remaining wells were decommissioned, additional wells were installed to supplement the monitoring well network and were sampled as described above.
- Due to shallow refusal in three attempts to install PDI-SB-3 (4 -17 ft bg) no monitoring well could be installed in the northwest portion of the Site as was proposed in the PDI Work Plan Addendum.
- Monitoring wells installed during the PDI have not yet been surveyed by a NYS licensed surveyor as was specified in the PDI Work Plan Addendum. The soil boring locations were recorded by measuring distances from landmarks in the field (swing-tie measurements). The monitoring well locations and elevations will be surveyed by a NYS licensed surveyor as part of the Site survey completed following installation of the Site cover system. Soil boring and monitoring well locations are depicted on **Figure 2**. The survey prepared in March 2024, prior to the installation of the new monitoring wells, is included as **Appendix B**.

3.0 FINDINGS

The following sections present the findings from the PDI related to contamination of subsurface soil and groundwater beneath the study area. All laboratory analytical data are provided in **Appendix G**.

3.1 Standards, Criteria, and Guidance

Compounds detected in the groundwater samples collected during this PDI were compared to NYSDEC Division of Water TOGS 1.1.1; Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations dated October 1993; Revised June 1998; ERRATA Sheet dated January 1999; Addendum dated April 2000; and Addendum dated June 2023. Specifically, groundwater sample results were compared to Class GA standards and guidance values, applicable to groundwater and referred to herein as Class GA criteria.

Sub-slab soil vapor and indoor air analytical results were compared to the May 2017 and February 2024 NYSDOH Soil Vapor/Indoor Air Decision Matrices A, B, C, D, E, and F (Decision Matrices). The Decision Matrices provide recommended actions based on the concentration of eight chlorinated volatile organic compounds (CVOCs) and thirteen petroleum-related VOCs in the indoor air in conjunction with the concentrations found in the sub-slab soil vapor samples. The eight CVOCs included in the Decision Matrices are tetrachloroethene (PCE), trichloroethene (TCE), cis-1,2-dichloroethene (cis-1,2-DCE), 1,1,1-trichloroethane (1,1,1-TCA), 1,1-dichloroethene (1,1-DCE), carbon tetrachloride, methylene chloride, and vinyl chloride. The thirteen petroleum-related VOCs included in the Decision Matrices are benzene, ethylbenzene, naphthalene, cyclohexane, isooctane, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, m-,p-, and o-xylene, heptane, hexane, and toluene. Recommended actions include "No Further Action," "Identify Source(s) and Resample or Mitigate," "Monitor," and "Mitigate."

Additionally, indoor air sampling results were compared to Air Guidance Values (AGVs) and Immediate Action Levels identified in NYSDOH's *Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006*, and subsequent updates. NYSDOH provides AGVs for the CVOCs PCE, TCE, and methylene chloride and provides immediate action levels for PCE and TCE.

3.2 Groundwater Investigation

3.2.1 Observations

No non-aqueous phase liquid (NAPL) or sheen was observed in any monitoring wells. During the groundwater sampling at MW-104 in November 2024, an odor was observed. No other indications of petroleum impacts were observed in any monitoring wells. Groundwater sampling observations are included in the low-flow sampling logs provided in **Appendix D**.

3.2.2 Analytical Results

Contaminants of Concern:

No VOCs, SVOCs, or metals were detected at concentrations exceeding Class GA Criteria in any of the four monitoring wells sampled.

VOCs, were detected at concentrations exceeding laboratory reporting limits in each of the four monitoring wells. VOCs detected included 1,2,3-trichlorobenzene, acrolein, carbon disulfide, chloroform, cyclohexane, hexachloro-1,3-butadiene, n-butylbenzene, n-propylbenzene, sec-butylbenzene, and PCE.

SVOCs were detected at concentrations exceeding laboratory reporting limits in one of four monitoring wells sampled (MW-104).

Metals were detected at concentrations exceeding laboratory reporting limits in each of the four monitoring wells sampled. Barium was detected in each of the four monitoring wells. Chromium was detected in MW-104 and MW-105. Lead was detected in MW-104. Selenium was detected in MW-105.

VOC, SVOC, and metal groundwater analytical results from the PDI are summarized in **Table 3**. Monitoring well locations are depicted on **Figure 2**. Laboratory analytical reports are included in **Appendix G**.

Emerging Contaminants:

PFAS were detected in each of the five groundwater samples collected, including both samples from MW-104 (April 2024 and November 2024). The two PFAS compounds with Class GA Criteria, PFOS and PFOA, were detected at concentrations exceeding their Class GA Criteria in each of the five samples collected. PFOS was detected at concentrations ranging from 15.7 nanograms per liter (ng/L) to 30.7 ng/L and PFOA was detected at concentrations ranging from 10.5 ng/L to 24.8 ng/L. Additional PFAS were detected at concentrations exceeding laboratory reporting limits, but do not have promulgated Class GA Criteria.

1,4-dioxane was not detected at concentrations exceeding Class GA Criteria in any groundwater samples.

PFAS and 1,4 dioxane groundwater analytical results are summarized in **Table 4**. PFAS analytical results exceeding Class GA Criteria during the two PDI sampling events are summarized on **Figure 3**. Laboratory analytical reports are included in **Appendix G**.

3.2.3 Findings

No contaminants of concern (VOCs, SVOCs, or metals) were detected at concentrations exceeding Class GA Criteria in any PDI groundwater samples. During post-IRM groundwater sampling conducted at MW-101 through -105 for the RI in 2012, the VOCs benzene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, PCE, and aniline were detected at concentrations exceeding Class GA

Criteria in MW-104 and MW-105, located in the former UST excavation area in the southwest portion of the Site. VOCs detected during the RI exceeded Class GA Criteria by less than one order of magnitude. During the PDI, the highest concentrations of VOCs were detected at MW-104, located in the former UST excavation area. Based on a comparison of the results, VOC concentrations have decreased since the RI, indicating natural attenuation of petroleum contamination is occurring. SVOCs and metals were not detected at concentrations exceeding Class GA Criteria in RI or PDI groundwater samples and therefore are not contaminants of concern in Site groundwater.

The PFAS compounds PFOS and PFOA are present in groundwater at concentrations exceeding Class GA Criteria across the Site. The concentrations of PFAS present are not indicative of a major on-site release. The presence of PFAS in the furthest upgradient Site monitoring wells, MW-104 and MW-105, suggests that upgradient off-site sources may be contributing to on-site PFAS groundwater impacts.

1,4-dioxane was not detected in any Site groundwater samples collected during either of the PDI groundwater sampling events and is therefore not a contaminant of concern for the Site.

3.3 Soil Vapor Intrusion Investigation

3.3.1 Observations

SVI structure sampling was conducted at a four-unit, three-story residential building located at 348 Liberty Street. The lowest level of the building consisted of a finished tenant living space. The condition of the concrete slab in the basement could not be determined as the floor was finished with tile and carpeting.

SVI sample locations were selected to establish adequate coverage of the building. Sample set one was biased to the southern half of the building, while sample set two was biased towards the northern side of the building. Indoor air samples were installed in areas typically occupied by the tenants (B-IA-1 was located in the kitchen and B-IA-2 was located in the living room). At the request of the building tenant, sub-slab soil vapor samples were installed in a storage room and in a hallway where the bare concrete slab was present. These locations were selected for sub-slab soil vapor sampling to avoid damaging floor coverings in the indoor air sampling areas (tile and carpeting in the living room and kitchen) and to be in lower traffic areas where samples would not be inadvertently tampered with (for example, kicked over). Sample locations are depicted on **Figure 2** and on a floor plan sketch included in the NYSDOH building questionnaire in **Appendix F**.

The chemical inventory of the building found an engine degreaser, pest control substances, and paints stored on the ground in a closed storage room. The chemical products were in various conditions and included opened and unopened containers. NYSDOH indoor air questionnaires and chemical inventories are provided in **Appendix F**.

3.3.2 Analytical Results

VOCs were detected in the sub-slab soil vapor, indoor air, and outdoor air samples collected at 348 Liberty Street, but at concentrations which the Decision Matrices recommend no further action. No VOCs were detected above AGVs or Immediate Action Levels in any of the indoor air samples collected at the property.

The analytical results for the SVI samples are summarized in **Table 5**. The laboratory analytical reports are included in **Appendix G**.

3.3.3 Findings

Based on the SVI structure sampling results, SVI is not occurring at 348 Liberty Street, the residential building located south of the Site.

3.4 Data Validation

Analytical data obtained during the PDI were validated to evaluate the usability of the data. Data Usability Summary Reports (DUSRs) are provided in **Appendix H**. The DUSRs indicate which data are subject to limitations and identify certain data that are flagged as rejected and should not be used.

The data was determined to be mostly acceptable with some issues identified in the DUSRs. Some non-detect groundwater results from the April 2024 and November 2024 groundwater sampling events were qualified as rejected, unusable (R). Positive chloroform results for the November 2024 groundwater samples were also rejected. No soil vapor or air sampling results were rejected.

All data that are not qualified rejected are considered usable, with estimated (J, J-, or UJ) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the DUSRs included as **Appendix H**.

4.0 **CONCLUSIONS**

Based on the data collected to date, HRP offers the following conclusions:

- VOCs, SVOCs, and metals were not detected at concentrations exceeding Class GA Criteria in any groundwater samples collected during the PDI. VOC concentrations have decreased since the 2012 post-IRM sampling conducted during the RI, indicating natural attenuation of petroleum contamination is occurring. SVOCs and metals were not detected in Site groundwater at concentrations exceeding Class GA Criteria during the RI or PDI and therefore are not contaminants of concern in groundwater.
- PFAS is present in groundwater throughout the Site. The PFAS compounds PFOS and PFOA are present in each of the Site monitoring wells at concentrations exceeding Class GA Criteria. Concentrations of PFAS detected in Site groundwater are not indicative of a major on-site release. The presence of PFAS in the furthest upgradient Site monitoring wells, MW-104 and MW-105, suggests that upgradient off-site sources may be contributing to on-site PFAS groundwater impacts.
- 1,4-dioxane was not detected in any Site groundwater samples collected during either of the PDI groundwater sampling events and therefore is not a contaminant of concern for the Site.
- Based on the SVI structure sampling results, SVI is not occurring at 348 Liberty Street, the residential building located south of the Site.

5.0 RECOMMENDATIONS

Based on the findings of the PDI, HRP offers the following recommendations:

- As no evidence of a major PFAS release or PFAS source area was found during the PDI, no remedial excavation should be performed as part of the Site remedy, other than what is necessary for the construction of the Site cover system and for Site redevelopment.
- The collection of groundwater samples for PFAS and VOC analysis should be included as part of the SMP.

6.0 REFERENCES

Published Sources

- Caldwell, et. al., 1986, New York State Surficial Geology Map.
- Division of Water Technical and Operational Guidance Series (TOGS 1.1.1.) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. Date reissued: June 1998.
- Fischer, et. al., 1975, New York State Bedrock Geology Map.
- New York State Department of Environmental Conservation, Division of Environmental Remediation, DER-10 Technical Guidance for Site Investigation and Remediation, May 2010.
- New York State Department of Health, Center for Environmental Health, Bureau of Environmental Exposure Investigation, Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006, updated May 2017 and February 2024.
- 6 NYCRR Part 375, Environmental Remediation Programs, Subparts 375-1 to 375-4 & 375-6, Effective December 14, 2006. Division of Environmental Remediation, New York State Department of Environmental Conservation.
- Record of Decision, 350-352 Liberty Street, Environmental Restoration Project, Newburgh (c), Orange County, Site No. B00189, issued April 2013. Division of Environmental Remediation, New York State Department of Environmental Conservation.
- Remedial Investigation Report, Environmental Restoration Project Clean Water/Clean Air Bond Act of 1996, ERP Site # B00189, 350-352 Liberty Street Site, City of Newburgh, Orange County, New York. C. T. Male Associates Engineering, Surveying, Architecture & Landscape Architecture P.C., April 2013.
- Soil Survey Staff, Natural Resources Conservation Service, United States Department of Agriculture. Web Soil Survey. <http://websoilsurvey.sc.egov.usda.gov/>. Accessed [4/6/2022].

FIGURES

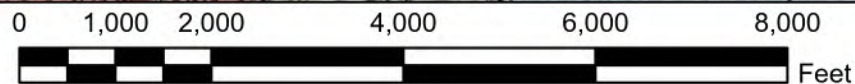
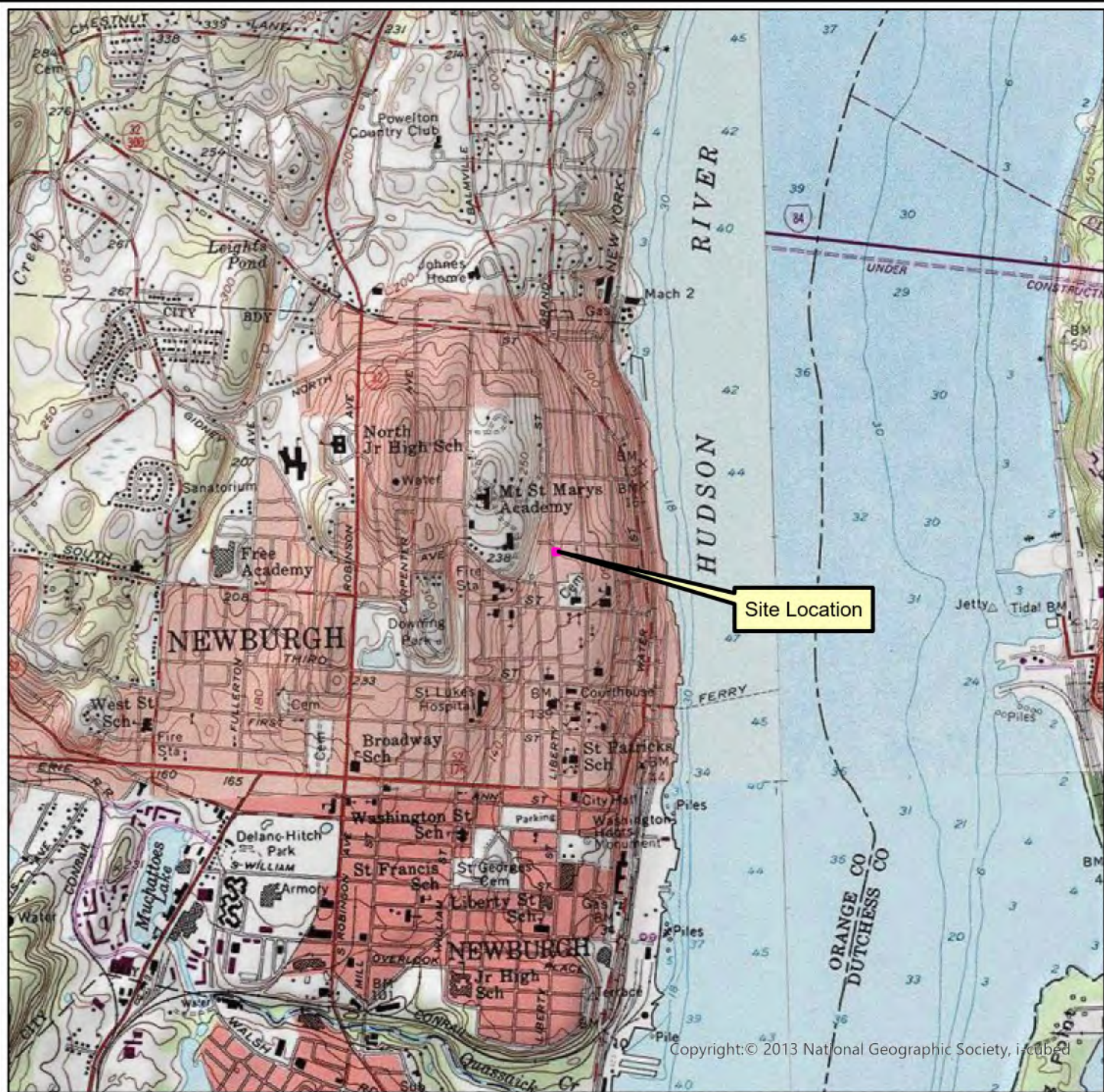


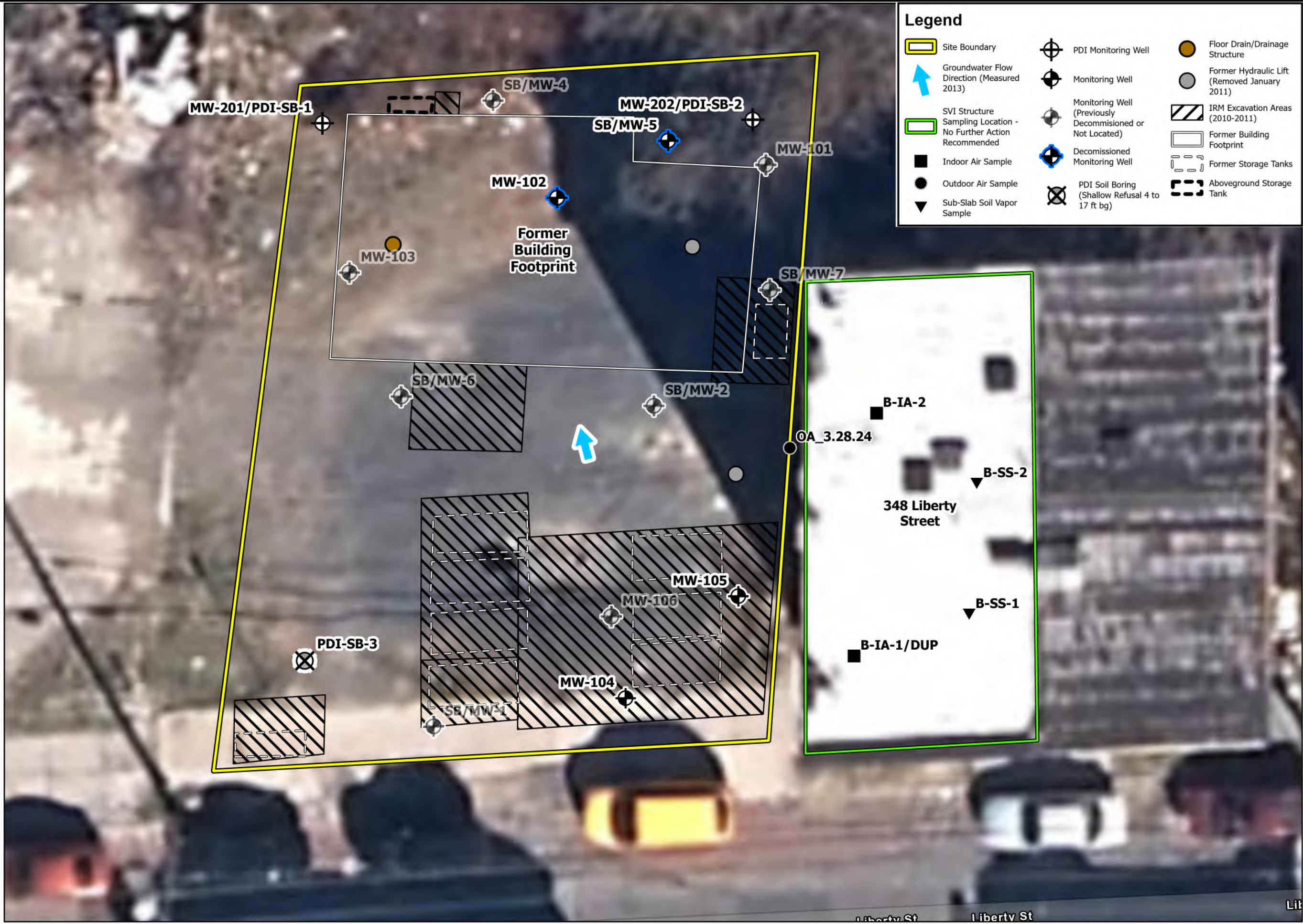
Figure 1
Site Location Map
350-352 Liberty Street
Newburgh, New York
HRP # NEW6313.RA
Scale 1" = 2,000'

USGS Quadrangle Information
 Quad ID: 41074-E1
 Name: Newburgh, New York



ONE FAIRCHILD SQUARE
 SUITE 110
 CLIFTON PARK, NY 12065
 (518) 877-7101
 HRPASSOCIATES.COM

Path: S:\Data\NEWBC - CITY OF NEWBURGH\350-352 LIBERTY ST., NEWBURGH, NY\NEW6313RA - ERP Cap. 350-352 Liberty\GIS\Figures\Figures.aprx



Revisions	No.	Date
Designed By:	CMS	
Drawn By:	ZKZ	
Reviewed By:	PWM	
Issue Date:	1/10/2025	
Project No:	NEW6313.RA	
Sheet Size:	11x17	

Site Plan and Investigation Locations
350-352 Liberty Street
ERP Site # B00189
Newburgh, New York

Issue Date: 1/16/2025	Designed By: CMS	Revisions	
		No.	Date
Project No: NEW6313.RA	Drawn By: ZKZ		
Sheet Size: 11x17	Reviewed By: PWM		

**PFAS Groundwater
Exceedances**

Figure No.
3

TABLES

Table 1
Well Construction and Gauging Data
Site #B00189
350-352 Liberty Street, Newburgh, NY

Monitoring Well ID	Well Diameter (Inches)	Screen Setting (ft bg)	PDI (11/15/24)
			Depth to Water (ft btoc)
MW-104	2	12.3-22.3	18.21
MW-105	2	12-22	17.68
MW-201	2	13-23	22.33
MW-202	2	15-25	21.12

Notes:

ft bg = feet below ground

ft btoc = feet below top of casing

MW-104, -105 installed in flush mount road boxes. MW-201, -202 installed in steel stick-ups, approximately 2.5 ft above grade.

Table 2
Groundwater Sampling Summary
Site #B00189
350-352 Liberty Street, Newburgh, NY

Groundwater Sample ID	Location	Screen Interval	Justification	Analyses
MW-104	Southwest (upgradient) portion of Site, within former UST excavation area.	12.3-22.3 ft bg	Investigate potential impacts to the southwest (upgradient) portion of Site, within former UST excavation area.	VOCs Method 8260 SVOCs Method 8270 1,4-Dioxane Method 8270SIM PFAS Method 1633
MW-105	Southwest (upgradient) portion of Site, within former UST excavation area.	12-22 ft bg	Investigate potential impacts to the southwest (upgradient) portion of Site, within former UST excavation area.	VOCs Method 8260 SVOCs Method 8270 1,4-Dioxane Method 8270SIM PFAS Method 1633
MW-201	Northeast (downgradient) corner of Site, just outside of former building footprint.	13-23 ft bg	Investigate extent of potential impacts to the northeast (downgradient) portion of Site, downgradient of former USTs, hydraulic lifts, and building footprint.	VOCs Method 8260 SVOCs Method 8270 1,4-Dioxane Method 8270SIM PFAS Method 1633
MW-202	Southeast (downgradient) portion of Site, just outside of building footprint.	15-25 ft bg	Investigate extent of potential impacts to the northeast (downgradient) portion of Site, downgradient of former USTs, hydraulic lifts, and building footprint.	VOCs Method 8260 SVOCs Method 8270 1,4-Dioxane Method 8270SIM PFAS Method 1633

Notes:

ft bg = feet below grade

PFAS = per- and polyfluoroalkyl substances

SVOCs = semi-volatile organic compound

UST = underground storage tank

VOCs = volatile organic compound

Table 3
Groundwater Laboratory Analytical Results (Detections Only)
Volatile Organic Compounds, Semi-Volatile Organic Compounds, Metals
Site #B00189
350-352 Liberty Street, Newburgh, NY

Sample ID:	NYSDEC	MW-104	MW-105	MW-201	MW-202
Date Collected:	Class GA	11/15/2024	11/15/2024	11/15/2024	11/15/2024
Lab Report Number:	Criteria	24K1290	24K1290	24K1290	24K1290
Volatile Organic Compounds (VOCs) (ug/L)					
1,2,3-Trichlorobenzene	5	< 0.500	< 0.500	< 0.500	0.320 JB
Acrolein	NP	1.56 B	1.05 B	1.08 B	0.920 B
Carbon disulfide	60	< 0.500	0.9	< 0.500	< 0.500
Chloroform	7	1.4	0.83	0.8	1.16
Cyclohexane	NP	0.66	< 0.500	< 0.500	< 0.500
Hexachloro-1,3-butadiene	0.5	< 0.500	< 0.500	< 0.500	0.250 J
n-Butylbenzene	5	0.62	< 0.500	< 0.500	< 0.500
n-Propylbenzene	5	0.73	< 0.500	< 0.500	< 0.500
sec-Butylbenzene	5	0.8	< 0.500	< 0.500	< 0.500
Tetrachloroethene	5	0.55	0.240 J	< 0.500	< 0.500
Semi-Volatile Organic Compounds (SVOCs) (ug/L)					
Naphthalene	10	0.05	< 0.0500	< 0.0500	< 0.0500
Metals (ug/L)					
Barium	1000	148	141	123	147
Chromium	50	1.62	1.13	< 1.11	< 1.11
Lead	25	2.88	< 1.11	< 1.11	< 1.11
Selenium	10	< 1.11	1.56	< 1.11	< 1.11

Legend	
<1	Parameter not detected above the laboratory reporting limit
1	Parameter reported at a concentrations greater than NYSDEC Class GA Criteria
1	Parameter reported above the laboratory reporting limit but below the applicable

Notes:

ug/L = micrograms per liter
NP = not promulgated/ no applicable cleanup criteria
J = Compound detected below the Reporting Limit, therefore, the result is an estimated concentration
B = Analyte is found in the associated analysis batch blank.

Table 4
Groundwater Laboratory Analytical Results (Detections Only)
Per- and Polyfluoroalkyl Substances and 1,4-Dioxane
Site #B00189
350-352 Liberty Street, Newburgh, NY

Sample ID:	NYSDEC Class GA Criteria	MW-104		MW-105	MW-201	MW-202
Date Collected:		04/18/2024	11/15/2024	11/15/2024	11/15/2024	11/15/2024
Lab Report Number:		24D1533	24K1290	24K1290	24K1290	24K1290
Per- and Polyfluoroalkyl Substances (ng/L)						
Perfluorobutanesulfonic acid (PFBS)	NP	29.4	5.45	7.8	6.75	6.88
Perfluorobutanoic acid (PFBA)	NP	10.8	< 7.38	7.08 J	< 7.46	7.74
Perfluoroheptanoic acid (PFHpA)	NP	6.85	4.2	7.04	5.21	5.23
Perfluorohexanesulfonic acid (PFHxS)	NP	6.05	3.81	6.03	5.43	6.06
Perfluorohexanoic acid (PFHxA)	NP	19	5.91	13	7.58	7.39
Perfluorononanoic acid (PFNA)	NP	2.83	1.36 J	2.67	2.13	2.41
Perfluorooctanesulfonic acid (PFOS)	2.7	30.7	15.7	29.2	23.5	19.4
Perfluorooctanoic acid (PFOA)	6.7	24.8	10.5	20.9	13.6	14.6
Perfluoropentane sulfonate (PFPeS)	NP	0.963 J	< 1.74	1.01 J	1.13 J	0.867 J
Perfluoropentanoic acid (PFPeA)	NP	16.1	6.38	13.5	8.52	8.55
Total PFAS Compounds	NP	147	52	100	73	78
Semi-Volatile Organic Compounds (SVOCs) (ug/L)						
1,4 Dioxane	NP	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3

Legend	
<1	Parameter not detected above the laboratory reporting limit
1	Parameter reported above the laboratory reporting limit but below the applicable regulatory standard/criterion
1	Parameter reported at a concentrations greater than NYSDEC Class GA Criteria

Notes:
ng/l = nanograms per liter
ug/l = micrograms per liter
NP = not promulgated/ no applicable cleanup criteria
J = Compound detected below the Reporting Limit, therefore, the result is an estimated concentration

Table 5
Off-Site Soil Vapor Intrusion Investigations
Soil Vapor/Air Laboratory Analytical Results (Detections Only)
Site #B00189
350-352 Liberty Street, Newburgh, NY

348 Liberty Street									
Lab ID:	24D0037	24D0037	24D0037	24D0037	24D0037	NYSDOH Air Guidance Values	NYSDOH Immediate Action Levels	NYSDOH May 2017 / February 2024 Matrix Recommendations	Final Action Recommended
Sample ID:	B-SS-1	B-IA-1-DUP	B-SS-2	B-IA-2	OA_3.28.24				
Date Collected:	03/29/2024	03/29/2024	03/29/2024	03/29/2024	03/29/2024				
Sample Location	Sub-Slab Soil Vapor Concentrations (West)	Basement Indoor Air Concentrations (West)	Sub-Slab Soil Vapor Concentrations (East)	Basement Indoor Air Concentrations (East)	Outdoor Air Concentration				
Volatile Organic Compounds (µg/m³)									
1,2,4-Trichlorobenzene	< 1.3	< 0.64	1.2	< 0.65	< 0.67	---	---	---	No Further Action
1,2,4-Trimethylbenzene	< 0.83	1.4	1.3	< 0.43	< 0.44	---	---	No Further Action	
1,2-Dichloroethane	< 0.69	0.35	< 0.66	< 0.35	< 0.36	---	---	---	
2-Butanone	3.2	22	4.8	2.2	0.79	---	---	---	
2-Hexanone	< 1.4	0.74	1.5	< 0.72	< 0.73	---	---	---	
4-Methyl-2-pentanone	< 0.70	0.39	< 0.67	< 0.36	< 0.37	---	---	---	
Acetone	23	81	49	14	71	---	---	---	
Acrylonitrile	< 0.37	< 0.19	< 0.36	< 0.19	23	---	---	---	
Benzene	0.76	0.88	0.99	1.7	0.34	---	---	No Further Action	
Carbon tetrachloride	0.32	0.38	0.31	0.44	0.34	---	---	No Further Action	
Chloroform	0.91	3.1	5.0	0.47	< 0.44	---	---	---	
Chloromethane	< 0.35	1.5	< 0.34	1.7	1.6	---	---	---	
cis-1,2-Dichloroethylene	< 0.17	< 0.085	< 0.16	0.17	< 0.089	---	---	No Further Action	
Cyclohexane	0.64	< 0.30	< 0.56	< 0.30	< 0.31	---	---	No Further Action	
Dichlorodifluoromethane	2.1	2.3	2.5	2.6	2.4	---	---	---	
Ethyl acetate	< 1.2	2.6	< 1.2	< 0.63	< 0.65	---	---	---	
Ethyl Benzene	0.81	0.97	0.93	< 0.38	< 0.39	---	---	No Further Action	
Isopropanol	320 E	190 E	320 E	70	12	---	---	---	
Methyl Methacrylate	1.2	< 0.35	< 0.67	< 0.36	< 0.37	---	---	---	
Naphthalene	< 1.8	< 0.90	1.8	< 0.92	< 0.94	---	---	No Further Action	
n-Heptane	2.2	0.53	1.0	< 0.36	< 0.37	---	---	No Further Action	
n-Hexane	2.2	< 0.30	< 0.58	< 0.31	0.41	---	---	No Further Action	
o-Xylene	1.1	1.4	1.3	< 0.38	< 0.39	---	---	No Further Action	
p- & m- Xylenes	3.2	4.1	3.5	< 0.76	< 0.78	---	---	No Further Action	
p-Ethyltoluene	< 0.83	0.89	< 0.81	< 0.43	< 0.44	---	---	No Further Action	
Propylene	< 0.29	< 0.15	3.6	< 0.15	< 0.15	---	---	---	
Styrene	< 0.72	0.84	< 0.70	< 0.37	< 0.38	---	---	---	
Tetrachloroethylene	< 1.2	0.99	1.4	< 0.59	< 0.61	30	300	No Further Action	
Tetrahydrofuran	2.9	17	2.4	1.3	< 0.53	---	---	---	
Toluene	16	3.2	9.1	0.49	0.54	---	---	No Further Action	
Trichloroethylene	< 0.23	0.19	0.70	0.14	< 0.12	2	20	No Further Action	
Trichlorofluoromethane (Freon 11)	1.0	1.3	1.3	1.3	1.3	---	---	---	

Legend:	
50	Decision Matrices recommend a specific action based on parameter concentrations
25	Parameter was detected at concentrations exceeding the NYSDOH Immediate Action Levels
5.0	Parameter was detected at concentrations exceeding the NYSDOH Air Guidance Values
1.0	Parameter was detected at concentrations exceeding the laboratory reporting limit
< 1.0	Parameter was not detected at concentrations exceeding the laboratory reporting limit

Notes:
All concentrations in micrograms per cubic meter (µg/m³)
Recommendations based on NYSDOH Soil Vapor/Indoor Air Matrices (May 2017 & February 2024)
E = Reported result is estimated; value reported over verified calibration range
--- = Standard not promulgated
B-IA-1-DUP was collected as a duplicate sample of B-IA-1. B-IA-1 was collected at zero vacuum; therefore, only results from B-IA-1-DUP are presented in Table 1.

APPENDIX A

Soil Boring Logs


Project: 350-352 Liberty Street Site PDI

Boring I.D.: PDI-SB-1

Address: 350-352 Liberty Street, Newburgh, New York 12550

Job Number: NEW6313.RA

Date: 11/01/24

Drilling Company: Core Down Drilling, LLC.

Time: 7:30

Location: Northeast corner of the site

Sample Interval (ft bg)		Recovery (ft)	Moisture	Description (grain size, color, compaction, staining, odor)	PID (PPM)
Top	Bottom				
0	5	2.5	Dry	(0-1.5) SAND (fine) AND SILT, trace organics, trace C+D debris, trace coal, few gravel (small – large, subrounded – subangular), brown	0.0
			Dry	(1.5-4.0) SAND (fine) AND SILT, trace organics, trace C+D debris, trace coal, few gravel (small – large, subrounded – subangular), grey brown	0.0
			Dry	(4.0-5.0) SILT, few gravel (small – medium), compacted, brown	0.0
5	10	3.0	Dry	(5.0 – 8.0) SAND (fine-medium) AND SILT, few gravel (small – large, subangular – subrounded), grey-brown	0.0
			Dry	(8.0 – 10.0) SAND (fine-medium) AND SILT, few gravel (small – large, subangular – subrounded), Brown	0.0
10	15	2.5	Dry	(10.0 – 11.0) SAND (fine-medium) AND SILT, few gravel (small – large, subangular – subrounded), Brown	0.0
			Dry	(11.0-15.0) SAND (fine-medium) AND SILT, few gravel (small – large, subangular – subrounded), grey - brown	0.0
15	20	1.0	Dry	(15.0 – 17.0) SAND (fine-medium) AND SILT, few gravel (small – large, subangular – subrounded), grey-brown	0.0
			Moist	(17.0 – 19.0) SAND (fine) AND SILT, brown	0.0
			Moist	(19.0 – 20.0) SAND (fine) AND SILT, some gravel (small – larg, sub-angular – sub-rounded), brown	0.0

**Project:** 350-352 Liberty Street Site PDI**Boring I.D.:** PDI-SB-1**Address:** 350-352 Liberty Street, Newburgh, New York 12550**Job Number:** NEW6313.RA**Date:** 11/01/24**Drilling Company:** Core Down Drilling, LLC.**Time:** 7:30**Location:** Northeast corner of the site

Sample Interval (ft bg)		Recovery (ft)	Moisture	Description (grain size, color, compaction, staining, odor)	PID (PPM)
20	25	2.0	Dry	(20.0 – 20.5) SILT, gravel (small – large, sub-angular – sub-rounded), highly compacted, grey	0.0
			Dry	(20.5 – 22.0) SILT, gravel (small – large, sub-angular – sub-rounded), highly compacted, grey	0.0
			Wet	(22.0 – 24.0) SILT, some sand (fine), few gravel (small – large) trace shale fragments, brown	0.0
			Moist	(24.0 – 25.0) SILT, some sand (fine), few gravel (small – large) trace shale fragments, brown	0.0

End of Exploration at 25 ft bg**Soil Samples Collected:****Time:**

None

N/A



Project: 350-352 Liberty Street Site PDI **Boring I.D.:** PDI-SB-2

Address: 350-352 Liberty Street, Newburgh, New York 12550

Job Number: NEW6313.RA

Date: 11/01/24

Drilling Company: Core Down Drilling, LLC.

Time: 9:15

Location: Southeast corner of the site

Sample Interval (ft bg)		Recovery (ft)	Moisture	Description (grain size, color, compaction, staining, odor)	PID (PPM)
Top	Bottom				
0	5	2.5	Dry	(0-1.5) SAND (fine-medium) AND SILT, trace C+D debris, trace gravel (small – large), trace cobble, trace coal/coal ash, brown	0.0
			Dry	(1.5-3.0) SAND (fine-medium) AND SILT, trace C+D debris, trace gravel (small – large), trace cobble, trace coal/coal ash, grey-brown	0.0
			Dry	(3.0 – 4.5) SAND (fine-medium) AND SILT, trace C+D debris, trace gravel (small – large), trace cobble, trace coal/coal ash, brown	0.0
			Dry	(4.5 – 5.0) COAL, little ash, little brick, little cinder, grey/black	0.0
5	10	2.5	Dry	(5.0 – 8.0) SILT, few organics, few gravel (small, subangular), brown	0.0
			Dry	(8.0 – 10.0) SAND (fine-medium) AND SILT, few gravel (small – large, Angular – subangular), little cobbles, Light grey-brown	0.0
10	15	2.5	Dry	(10.0 – 15.0) SAND (fine-medium) AND SILT, few gravel (small – large, Angular – subangular), little cobbles, Light grey-brown	0.0
15	20	2.5	Dry	(15.0 – 17.0) SAND (fine-medium) AND SILT, few gravel (small – large, Angular – subangular), little cobbles, Light grey-brown	0.0
			Moist	(17.0 – 19.0) SILT, few gravel (small), no odor, grey-brown	0.0
			Wet	(19.0 – 20) SILT, some sand (fine), few gravel (small – large, andular – subrounded), ODOR, Grey stained black	630.6
20	25	2.5	Wet	(20.0 – 20.5) SILT, some sand (fine), few gravel (small – large, andular – subrounded), ODOR, Grey stained black	146.3



MOVE YOUR ENVIRONMENT FORWARD

Pg 2 of 2

Project: 350-352 Liberty Street Site PDI**Boring I.D.:** PDI-SB-2**Address:** 350-352 Liberty Street, Newburgh, New York 12550**Job Number:** NEW6313.RA**Date:** 11/01/24**Drilling Company:** Core Down Drilling, LLC.**Time:** 9:15**Location:** Southeast corner of the site

Sample Interval (ft bg)		Recovery (ft)	Moisture	Description (grain size, color, compaction, staining, odor)	PID (PPM)
Top	Bottom				
			Moist	(20.5 – 23.0) CLAY AND SILT, gravel (small-medium subangular – subrounded), highly compacted, brown	0.0
			Wet	(23.5 – 25.0) SAND (fine) AND SILT, shale fragments, gravel (small-large, Angular – subrounded), Brown	0.0

End of Exploration at 25 ft bg**Soil Samples Collected:****Time:**

None

N/A



Project: 350-352 Liberty Street Site PDI				Boring I.D.: PDI-SB-3	
Address: 350-352 Liberty Street, Newburgh, New York 12550					
Job Number: NEW6313.RA				Date: 11/01/24	
Drilling Company: Core Down Drilling, LLC.				Time: 11:00	
Location: Southeast corner of the site					
Sample Interval (ft bg)		Recovery (ft)	Moisture	Description (grain size, color, compaction, staining, odor)	PID (PPM)
Top	Bottom				
0	5	2.5	Dry	(0-1.0) SAND (fine – medium) AND SILT, gravel (small – large, subangular – subrounded), light brown	0.0
			Dry	(1.0 – 5.0) SILT, few gravel (medium, subrounded – subangular), brown	0.0
5	10	3.0	Dry	(5.0 – 10.0) SAND (fine – medium) AND SILT, cobbles, gravel (small – large), light brown	0.0
10	15	3.0	Dry	(10.0 – 13.0) SAND (fine – medium) AND SILT, cobbles, gravel (small – large), light brown	0.0
			Dry	(13.0 – 15.0) CLAY AND SILT, gravel (small – large subangular – subrounded), highly compacted, Grey-brown mottled	0.0
15	17	1.0	Dry	(15.0 – 15.5) CLAY AND SILT, gravel (small – large subangular – subrounded), highly compacted, Grey-brown mottled	0.0
			Dry	(15.5 – 17.0) CRUSHED STONE, grey	0.0
Refusal at 17 ft bg					
Soil Samples Collected:			Time:		
None			N/A		

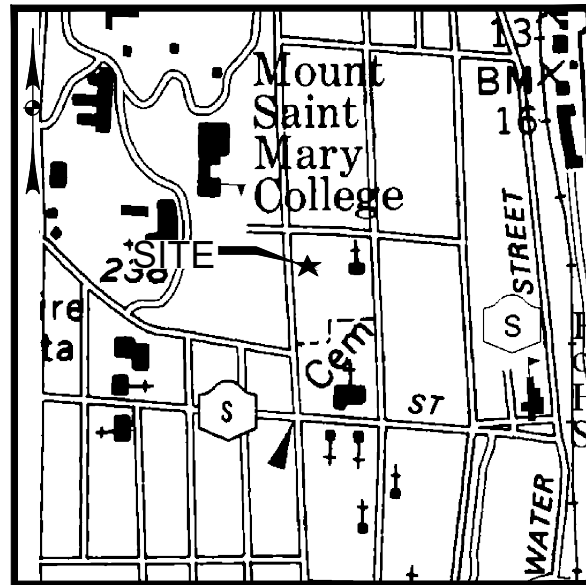
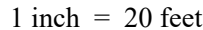
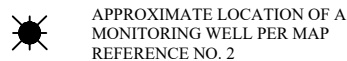
APPENDIX B

Site Survey

1. SURVEY SHOWN WAS PREPARED FROM A MARCH 2024 FIELD SURVEY.
2. SURVEY SHOWN WAS PREPARED WITHOUT THE BENEFIT OF AN UP TO DATE ABSTRACT OF TITLE OR TITLE REPORT AND IS SUBJECT TO ANY STATEMENTS OF FACT THAT SUCH AN ABSTRACT OF TITLE OR TITLE REPORT MAY REVEAL.
3. SURVEY SHOWN IS SUBJECT TO ANY SUBSURFACE CONDITIONS THAT MAY EXIST, IF ANY.
4. UNAUTHORIZED ALTERATIONS OR ADDITIONS TO A SURVEY MAP BEARING A LICENSED LAND SURVEYOR'S SEAL IS A VIOLATION OF SECTION 7209, SUBDIVISION 2, OF THE NEW YORK STATE EDUCATION LAW.
5. ONLY COPIES FROM THE ORIGINAL OF THIS SURVEY MARKED WITH AN ORIGINAL OF THE LAND SURVEYOR'S EMBOSSED SEAL, AND SIGNATURE IN RED, SHALL BE CONSIDERED TO BE TRUE AND VALID COPIES.
6. THIS SURVEY WAS PREPARED IN ACCORDANCE WITH THE EXISTING CODE OF PRACTICE FOR LAND SURVEYS ADOPTED BY THE NEW YORK STATE ASSOCIATION OF PROFESSIONAL LAND SURVEYORS.
7. DECLARATION IS MADE TO ORIGINAL PURCHASER OF THE SURVEY. IT IS NOT TRANSFERABLE TO ADDITIONAL INSTITUTIONS OR SUBSEQUENT OWNERS.
8. THIS PLAT REPRESENTS A BOUNDARY SURVEY OF THE PARCEL DESCRIBED ORANGE COUNTY DEED RECORDS AT BOOK 4464, PAGE 163.
9. BASIS OF BEARING IS MAP REFERENCE NO. 1.
10. ELEVATIONS SHOWN HEREON ARE BASED ON AN NAVD88 DATUM (GPS DERIVED).

1. MAP ENTITLED "SURVEY OF PROPERTY PREPARED FOR ACTIVE VENTILATION PRODUCTS, INC., CITY OF NEWBURGH", PREPARED BY DONALD R. STEDGE, P.L.S., ON APRIL 24, 2003.
2. MAP ENTITLED "FIGURE 3 GROUNDWATER CONTOUR MAP (5/19/10) 350-352 LIBERTY STREET ERP SITE", PREPARED BY C.T. MALE ASSOCIATES, P.C., ON SEPT. 17, 2012.

1. THE LOCATIONS OF UNDERGROUND UTILITIES AS SHOWN HEREON ARE BASED ON ABOVE GROUND STRUCTURES AND RECORD DRAWINGS PROVIDED TO THE SURVEYOR. LOCATIONS OF UNDERGROUND UTILITIES/STRUCTURES MAY VARY FROM LOCATIONS SHOWN HEREON. ADDITIONAL BURIED UTILITIES/STRUCTURES MAY BE ENCOUNTERED. NO EXPLORATORY EXCAVATIONS WERE MADE AND NO USE OF SUBSURFACE UTILITY ENGINEERING COMPANIES WERE USED DURING THE PROGRESS OF THIS SURVEY TO LOCATE BURIED UTILITIES/STRUCTURES. INTERESTED PARTIES SHOULD INVESTIGATE THE EXISTENCE OF UTILITIES, IF ANY, AND VERIFY. NO LIABILITY IS ASSUMED BY THE UNDERSIGNED FOR ANY LOSS THAT MAY BE ASSOCIATED WITH THE EXISTENCE OF BURIED UTILITIES OR BURIED PIPELINES ON THE PREMISES.



BOUNDARY & TOPOGRAPHIC
SURVEY MAP
LANDS OF
THE CITY OF
NEWBURGH
(350 LIBERTY STREET,
CITY OF NEWBURGH
COUNTY OF ORANGE
STATE OF NEW YORK

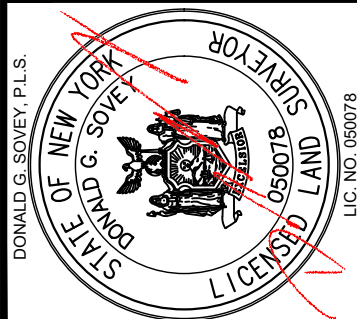


PREPARED FOR:
HRP ASSOCIATES, INC.
197 SCOTT SWAMP ROAD
FARMINGTON, CT 06032

[illegible]

DRAWN:	J.D.L.
CHECKED:	D.G.S.
PROJ. NO.:	124-081
SCALE:	1"=20'
DATE:	MARCH 11, 2024
FILE:	liberty site.dwg

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CREIGHTON MANNING
ENGINEERING, LLP
ENGINEERS, PLANNERS &
SURVEYORS



LIC. NO. 050078

APPENDIX C

GPR Report

October 25, 2024

Patrick Montuori, P.G.
Project Manager
HRP Associates, Inc.
1 Fairchild Square, Suite 110,
Clifton Park, NY 12065

RE: Geophysical Survey, 350-352 Liberty St., Newburgh, New York

Dear Mr. Montuori:

Greenstar Environmental Solutions, LLC (Greenstar) is pleased to present this letter report summarizing the ground penetrating radar (GPR) and Electromagnetic (EM) survey at 350-352 Liberty St., Newburgh, New York.

SITE AND PROJECT DESCRIPTION

Greenstar Environmental Solutions LLC (Greenstar) was contracted by HRP to conduct a geophysical survey at 350-352 Liberty St., Newburgh, NY (subject property). The survey was completed on October 24 by Greenstar staff overseen by HRP staff. The objective of the survey was to locate existing utilities and anomalies within the work area.

The GPR survey was completed using a GSSI 350 mHz antenna and receiver. GPR surveying is a nonintrusive, subsurface geophysical investigation technique that detects subsurface structures by transmitting electromagnetic waves from an antenna into the ground. The antenna then monitors the strength and time delay of the return signal. The return signal is then evaluated for any anomalies, which by their size, shape and orientation can be interpreted as voids, underground storage tanks, utility pipelines, soil-bedrock interface or areas of different sediment compaction. A radio frequency (RF) line locator was also used to identify subsurface utility lines based on the presence of 120 hertz signal (electric) and transmitted signals from the RF transmitter.

RESULTS

Vacant Lot Work Area – Three anomalies were located within the work area. One anomaly is approximately 6 feet long and 4 feet wide, the other 2 anomalies are approximately 4 feet long and 3 feet wide. The 3 anomalies are approximately 2.5 to 3 feet below ground surface. Anomalies were marked in paint and reviewed with HRP staff. Approximate anomaly locations are shown in Figure 1. No utilities were located within the work area.

Thank you for allowing Greenstar to assist HRP with this project. If you have any questions, please do not hesitate to contact me at (917) 655-5123 or via email at pnimmer@greenstarsolutions.com.

Sincerely,

GREENSTAR ENVIRONMENTAL SOLUTIONS, LLC

Pete Nimmer

Pete Nimmer, PG, LSRP
Senior Geologist

Legend:

- Site Boundary
- Groundwater Flow Direction (Measured 2013)
- SVI Sampling Complete - No Further Action Recommended
- Electric
- Sewer/Drain
- Water
- Gas
- Communications

Anomaly Locations

UST #1, UST #2, UST #3, UST #4, UST #5

AST #10, SB/MW-4, SB/MW-5, MW-101, MW-102, MW-103, Former Building Footprint, SB/MW-6, SB/MW-2, UST #9, 348 Liberty Street, MW-105, MW-106, UST #7, UST #8, UST #6, SB/MW-1, MW-104

APPENDIX D

Low Flow Sampling Logs

SAMPLE DATE: 4/14/24

LOW-FLOW SAMPLING LOG

TOTAL # WELLS: 1

Client Name: City of Newburgh Sample Pump: Peristaltic C

Project Location: 350-352 Liberty Street, Newburgh NY Tubing Type: HDPE

Sampler(s): Monitoring Equipment: 45L P/O DSS

Well I.D.: 1.75" Screen Setting (ft btoc): to

Well Diameter (inches): 2 Tubing Intake (ft btoc):

Total Depth (ft btoc): 20.90 Comments:

Depth to Water (ft btoc): 13.40

Height of Water Column (ft): 7.50 One Well Volume† (gal): Purge Volume (gal):

Well Condition: good

Time (hours)	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Water Quality Monitoring Parameters					
			Temperature (°C)	pH	ORP (mv)	Conductivity (ms/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)
1345			11.1	6.79	131.6	1.629	365.7	6.40
1348			11.3	6.82	140.0	1.662	191.5	5.60
1351			11.4	6.84	142.2	1.668	121.4	5.48
1354			11.5	6.85	143.9	1.668	70.2	5.28
1357			11.5	6.85	144.8	1.666	48.1	5.26
1400			11.4	6.85	144.6	1.666	20.5	5.25
1403			11.5	6.86	144.6	1.667	<10	5.26

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Time		Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Temperature (°C)	pH	ORP (mv)	Conductivity (ms/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)
FROM	TO								
Recommended Stabilization		+/- 0.3	100-500	+/- 3%	+/- 0.1	+/- 10	+/- 3%	+/- 10%	+/- 10%
Stabilization: (Yes/No)									

Sample Time: 1405

Reviewed by:

ft btoc feet below top of casing NTU Nephelometric Turbidity Units °C degrees Celsius
 ml/min milliliters per minute mg/l milligrams per liter mv millivolts
 us/cm microseimens per centimeter

†Height of Water Column * d² * 0.0408 = 1 Well Volume in Gallons

SAMPLE DATE: 11/15/24TOTAL # WELLS: 4

Low-Flow Sampling Log

Client Name: Norburgh NEW 6313-RA

Sample Pump: _____

Project Location: 350-352 Liberty St.

Tubing Type: _____

Sampler(s): N. Willmott

Monitoring Equipment: _____

Well I.D. MW-105

Screen Setting (ft btoc): _____ to _____

Well Diameter (inches): 2Tubing Intake (ft btoc): 20.00Total Depth (ft btoc): 21.00

Comments: _____

Depth to Water (ft btoc): 17.68

Well Condition: _____

Time (hours)	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Water Quality Monitoring Parameters					
			Temperature (oF)	pH	ORP (mv)	Conductivity (ms/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)
225	18.05	~~200~~ 200	15.3	6.60	163.9	1.992	541.2	4.30
230	18.02	200	15.7	6.60	157.6	2.064	531.8	2.07
235	18.02	200	15.6	6.68	139.9	2.059	271.0	1.30
240	18.02	200	15.6	6.69	135.5	2.054	118.0	1.40
245	18.02	200	15.5	6.69	131.0	2.048	53.0	1.42
250	18.02	200	15.6	6.69	129.5	2.048	50.2	1.44
255	18.02	200	15.6	6.69	129.1	2.048	47.1	1.47
~~260~~ 300	18.02	200	15.6	6.69	128.4	2.048	44.2	1.48
305	Sample Taken							

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Time		Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Temperature (oC)	pH	ORP (mv)	Conductivity (ms/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)
FROM	TO								
Recommended Stabilization		+/- 0.3	100-500	+/- 3%	+/- 0.1	+/- 10	+/- 3%	+/- 10%	+/- 10%
Stabilization: (Yes/No)									

Sample Time: 1505

Reviewed by: _____

ft btoc feet below top of casing
ml/min milliliters per minute
µs/cm microseimens per centimeter

NTU
mg/l

Nephelometric Turbidity Units
milligrams per liter

°C
mv

degrees Celsius
millivolts

MS/MSD



SAMPLE DATE: 11/15/2024

Low-Flow Sampling Log

TOTAL # WELLS: _____

Client Name: City of Newburgh
 Project Location: 350-352 Liberty St, Newburgh, NY
 Sampler(s): Shannon O'Malley

Sample Pump: GEO Pump
 Tubing Type: LDPE
 Monitoring Equipment: YSI ProDSS 4M

Well I.D. MW-201
 Well Diameter (inches): 2.0
 Total Depth (ft btoc): 26.76
 Depth to Water (ft btoc): 22.33

Screen Setting (ft btoc): 16.76 to 26.76
 Tubing Intake (ft btoc): 18.0
 Comments: _____

Well Condition: _____

Time (hours)	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Water Quality Monitoring Parameters					
			Temperature (°F)	pH	ORP (mv)	Conductivity (ms/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)
<u>11/16/2024 10:31</u>	<u>22.77</u>	<u>200</u>	<u>14.3°C</u>	<u>6.77</u>	<u>104.2</u>	<u>1.458</u>	<u>788.91</u>	<u>5.15</u>
<u>11/16/2024 10:30</u>	<u>22.77</u>	<u>200</u>	<u>14.5°C</u>	<u>6.71</u>	<u>118.7</u>	<u>1.457</u>	<u>398.92</u>	<u>4.28</u>
<u>11/16/2024 10:41</u>	<u>22.83</u>	<u>200</u>	<u>14.4°C</u>	<u>6.77</u>	<u>119.2</u>	<u>1.457</u>	<u>183.06</u>	<u>4.08</u>
<u>11/16/2024 10:46</u>	<u>22.82</u>	<u>200</u>	<u>14.4°C</u>	<u>6.79</u>	<u>120.4</u>	<u>1.462</u>	<u>91.60</u>	<u>4.17</u>
<u>10:51</u>	<u>22.83</u>	<u>200</u>	<u>14.4°C</u>	<u>6.78</u>	<u>121.9</u>	<u>1.465</u>	<u>96.82</u>	<u>4.52</u>
<u>10:56</u>	<u>22.83</u>	<u>200</u>	<u>14.4°C</u>	<u>6.78</u>	<u>122.8</u>	<u>1.467</u>	<u>93.41</u>	<u>4.73</u>

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Time		Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Temperature (°C)	pH	ORP (mv)	Conductivity (ms/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)
FROM	TO								
Recommended Stabilization		<u>+/- 0.3</u>	<u>100-500</u>	<u>+/- 3%</u>	<u>+/- 0.1</u>	<u>+/- 10</u>	<u>+/- 3%</u>	<u>+/- 10%</u>	<u>+/- 10%</u>
Stabilization: (Yes/No)		<u>Yes</u>	<u>Yes</u>	<u>Yes</u>	<u>Yes</u>	<u>Yes</u>	<u>Yes</u>	<u>Yes</u>	<u>Yes</u>

Sample Time: 10:56

Reviewed by: _____

ft btoc feet below top of casing
 ml/min milliliters per minute
 µs/cm microseimens per centimeter

NTU
mg/l

Nephelometric Turbidity Units
milligrams per liter

°C
mv

degrees Celsius
millivolts



SAMPLE DATE: 11/15/2024

Low-Flow Sampling Log

TOTAL # WELLS: _____

MW-6313

Client Name: City of Newburgh
 Project Location: 350-352 Liberty St, Newburgh, NY
 Sampler(s): Shannon O'Malley

Sample Pump: Geo Pump
 Tubing Type: LDPE
 Monitoring Equipment: YSI ProDSS 4M

Well I.D. MW-104
 Well Diameter (inches): 2.0
 Total Depth (ft btoc): 22.0
 Depth to Water (ft btoc): 18.21

Screen Setting (ft btoc): 11 to 21
 Tubing Intake (ft btoc): 19.0
 Comments: odor: slight odor

Well Condition: _____

Time (hours)	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Water Quality Monitoring Parameters					
			Temperature (oF)	pH	ORP (mv)	Conductivity (ms/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)
1457	17.45	200	15.7°C	6.76	103.8	1.824	642.36	5.13
1502	17.45	200	15.9°C	6.74	106.5	1.820	326.55	5.03
1507	17.42	200	16.0°C	6.74	108.0	1.818	72.13	5.09
1512	17.40	200	16.0°C	6.73	110.0	1.826	10.20	5.15
1517	17.39	200	15.9°C	6.73	111.2	1.820	6.19	5.15
1522	17.39	200	15.9°C	6.73	112.6	1.819	3.93	5.09
1527	17.38	200	15.8°C	6.73	113.5	1.820	3.03	5.44
1538		200						
1537		200						
10.		10.						

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Time		Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Temperature (oC)	pH	ORP (mv)	Conductivity (ms/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)
FROM	TO								
Recommended Stabilization		+/- 0.3	100-500	+/- 3%	+/- 0.1	+/- 10	+/- 3%	+/- 10%	+/- 10%
Stabilization: (Yes/No)		yes	yes	yes	yes	yes	yes	yes	yes

Sample Time: 1530

Reviewed by: _____

ft btoc feet below top of casing
 ml/min milliliters per minute
 µs/cm microsemons per centimeter

NTU
mg/l

Nephelometric Turbidity Units
milligrams per liter

°C
mv

degrees Celsius
millivolts



Low-Flow Sampling Log

Client Name: Newburgh NEW 6313-RASample Pump: 600 pump per:Project Location: 350-352 LibertyTubing Type: LDPESampler(s): A willmerMonitoring Equipment: YSI Pro DSSWell I.D. MW-20Screen Setting (ft btoc): 15 to 25Well Diameter (inches): 2

Tubing Intake (ft btoc): _____

Total Depth (ft btoc): 25.48

Comments: _____

Depth to Water (ft btoc): 21.72

Well Condition: _____

Time (hours)	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Water Quality Monitoring Parameters					
			Temperature (oF)	pH	ORP (mv)	Conductivity (ms/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)
1600	21.15	200	14.7	6.74	137.1	2.021	943.8	2.66
1605	21.15	200	14.7	6.72	136.2	2.014	623.4	2.63
1610	21.15	200	14.7	6.70	135.7	2.009	415.1	2.68
1615	21.15	200	14.7	6.70	135.8	2.006	343.0	2.69
1620	21.15	200	14.6	6.70	135.9	2.005	205.8	2.65
1625	21.15	200	14.6	6.70	136.0	2.006	220.4	2.65
1630								
1635								
1640								
1645								

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Time		Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Temperature (oC)	pH	ORP (mv)	Conductivity (ms/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)
FROM	TO								
Recommended Stabilization		+/- 0.3	100-500	+/- 3%	+/- 0.1	+/- 10	+/- 3%	+/- 10%	+/- 10%
Stabilization: (Yes/No)									

Sample Time: _____

Reviewed by: _____

ft btoc feet below top of casing
 ml/min milliliters per minute
 µs/cm microsemons per centimeter

NTU Nephelometric Turbidity Units
 mg/l milligrams per liter

°C degrees Celsius
 mv millivolts

APPENDIX E

Monitoring Well Construction Logs



HRP Associates, Inc.
Monitoring Well Installation Log

WELL NO: MW-201

PAGE 1 OF 1

PROJECT: 350-352 Liberty St. Newburgh supplemental PDI

SCREEN SIZE & TYPE: 2 inch Schedule 40 PVC

JOB NUMBER: NEW6313.RA

SLOT NO.: 10 **SETTING:** 13 ft bg – 23 ft bg

DATE COMPLETED: 11/1/24

SAND PACK SIZE & TYPE: No. 1 Quartz sand

DRILLING COMPANY: Core Down Drilling LLC.

SETTING: 0 ft bg – 13 ft bg

RIG TYPE: Geoprobe 6712 DT

CASING SIZE & TYPE: 2 inch Schedule 40 PVC

DRILLING METHOD: Hollow Stem Augers

SETTING: ~3.5 ft above grade – 13 ft bg

HAMMER WEIGHT/DROP: N/A

SEAL TYPE: Bentonite Chips

SAMPLING METHOD: Macro core direct push

SETTING: 9 ft bg – 11 ft bg

OBSERVER: Nick Willmart

BACKFILL TYPE: Clean cuttings, No. 1 Quartz sand

HEADSPACE PID READING: 0.0

STATIC WATER LEVEL: ~ 18 ft bg

STICK-UP: ~3.5 ft above grade

SURFACE COMPLETION: Riser

REMARKS:

ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelby tube REC = recovery PPM = parts per million



HRP Associates, Inc.
Monitoring Well Installation Log

WELL NO: MW-202

PAGE 1 OF 1

PROJECT: 350-352 Liberty St. Newburgh supplemental PDI

JOB NUMBER: NEW6313.RA

DATE COMPLETED: 11/1/24

DRILLING COMPANY: Core Down Drilling LLC.

RIG TYPE: Geoprobe 6712 DT

DRILLING METHOD: Hollow Stem Augers

HAMMER WEIGHT/DROP: N/A

SAMPLING METHOD: Macro core direct push

OBSERVER: Nick Willmart

HEADSPACE PID READING: 0.0

STICK-UP: ~3.5 ft above grade

SURFACE COMPLETION: Riser

SCREEN SIZE & TYPE: 2 inch Schedule 40 PVC

SLOT NO.: 10 **SETTING:** 15 ft bg – 25 ft bg

SAND PACK SIZE & TYPE: No. 1 Quartz sand

SETTING: 0 ft bg – 13 ft bg

CASING SIZE & TYPE: 2 inch Schedule 40 PVC

SETTING: ~3.5 ft above grade – 15 ft bg

SEAL TYPE: Bentonite Chips

SETTING: 11 ft bg – 13 ft bg

BACKFILL TYPE: Clean cuttings, No. 1 Quartz sand

STATIC WATER LEVEL: ~ 18 ft bg

REMARKS: Based on depth to bottom of well, this monitoring well seems to have have risen slightly during the setting process.

ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelby tube REC = recovery PPM = parts per million

APPENDIX F

NYSDOH Questionnaire and SVI Sampling Forms

Soil Vapor Intrusion - Structure Sampling Building Questionnaire

Structure ID: P1

Site No.: B00189

Site Name: 350-352 Liberty Street

Date: 3/28-3/29/24

Time: 1000-1200

Structure Address: 348 Liberty St, Newburgh NY

Preparer's Name & Affiliation: E. Jackson, HRP Associates Inc.

Residential? ☒ Yes ☐ No Owner Occupied? ☐ Yes ☒ No Owner Interviewed? ☐ Yes ☒ No

Commercial? ☐ Yes ☒ No Industrial? ☐ Yes ☒ No Mixed Uses? ☐ Yes ☒ No

Identify all non-residential use(s): N/A

Owner Name: Fidelity

Owner Phone: () -

Secondary Owner Phone: () -

Owner Address (if different):

Occupant Name: Fei

Occupant Phone: (914) 775-7418

Secondary Occupant Phone: () -

Number & Age of All Persons Residing at this Location: 3, adolescent to adult (middle aged) in basement,

Additional Owner/Occupant Information:

Describe Structure (style, number floors, size): walk-up multi-family building w/ living spaces on all floors

Approximate Year Built: ~1900s

Is the building Insulated? ☒ Yes ☐ No

Lowest level: ☐ Slab-on-grade ☒ Basement ☐ Crawlspace

Describe Lowest Level (finishing, use, time spent in space): Finished basement w/ apartment (3br, 1ba)

Floor Type: ☒ Concrete Slab ☐ Dirt ☐ Mixed: (finished w/ tile, carpet, vinyl/laminate)

Floor Condition: ☒ Good (few or no cracks) ☐ Average (some cracks) ☐ Poor (broken concrete or dirt)

Sumps/Drains? ☐ Yes ☒ No

Describe:

Identify other floor penetrations & details:

Wall Construction: ☐ Concrete Block ☐ Poured Concrete ☒ Laid-Up Stone → presumed, finished walls

Identify any wall penetrations: N/A

Identify water, moisture, or seepage: location & severity (sump, cracks, stains, etc): N/A

Heating Fuel: ☐ Oil ☒ Gas ☐ Wood ☐ Electric ☐ Other:

Heating System: ☒ Forced Air ☐ Hot Water ☐ Other:

Hot Water System: ☒ Combustion ☐ Electric ☐ Boilermate ☐ Other:

Clothes Dryer: ☐ Electric ☐ Gas Where is dryer vented to? N/A

If combustion occurs, describe where air is drawn from (cold air return, basement, external air, etc.):

Fans & Vents (identify where fans/vents pull air from and where they vent/exhaust to):

Describe factors that may affect indoor air quality (chemical use/storage, unvented heaters, smoking, workshop):

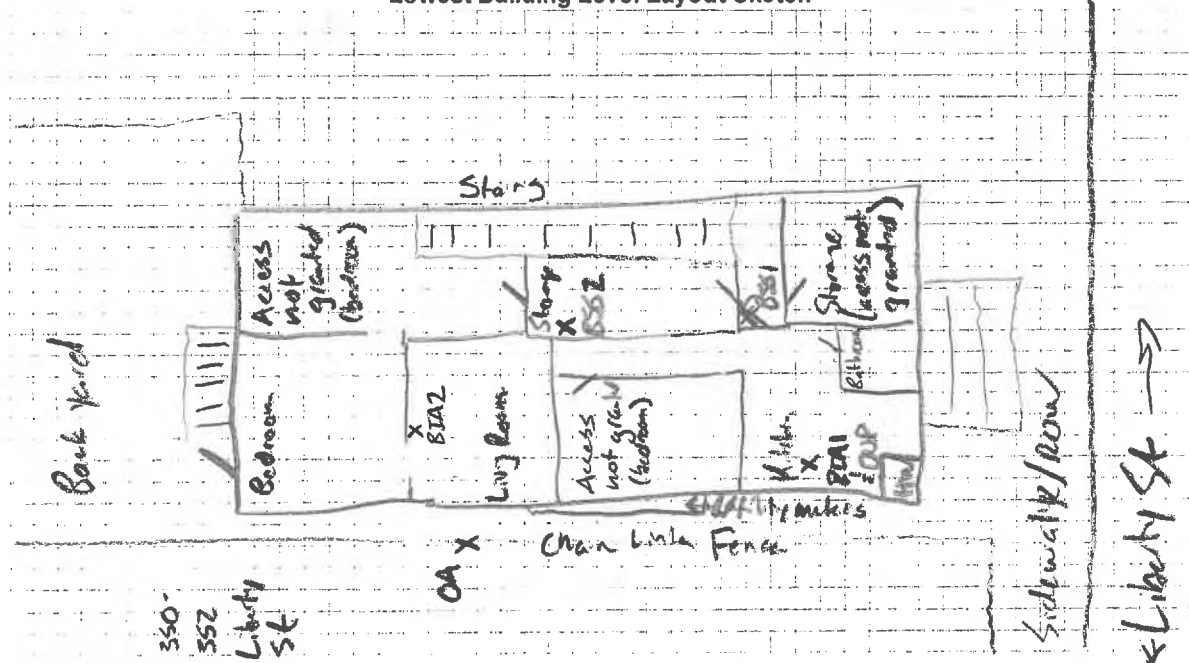
Odd smell in kitchen area, paint storage in BSS2 area
(wine/foes)Attached garage ? ☐ Yes ☒ No Air fresheners ? ☐ Yes ☒ NoNew carpet or furniture ? ☐ Yes ☒ No What/Where ? _____Recent painting or staining ? ☒ Yes ☐ NoWhere ? : ~ 5 days, back roomAny solvent or chemical-like odors ? ☐ Yes ☒ No

Describe : _____

Last time Dry Cleaned fabrics brought in ? _____ What / Where ? _____

Do any building occupants use solvents at work ? ☐ Yes ☒ No Describe : _____Any testing for Radon ? ☐ Yes ☒ No Results : _____Radon System/Soil Vapor Intrusion Mitigation System present ? ☐ Yes ☐ No If yes, describe below _____

Lowest Building Level Layout Sketch



■ Identify and label the locations of all sub-slab, indoor air, and outdoor air samples on the layout sketch.

■ Measure the distance of all sample locations from identifiable features, and include on the layout sketch.

■ Identify room use (bedroom, living room, den, kitchen, etc.) on the layout sketch.

■ Identify the locations of the following features on the layout sketch, using the appropriate symbols:

B or F Boiler or Furnace
 HW Hot Water Heater
 FP Fireplaces
 WS Wood Stoves
 W/D Washer / Dryer
 S Sumps
 @ Floor Drains

o Other floor or wall penetrations (label appropriately)
 xxxxxxx Perimeter Drains (draw inside or outside outer walls as appropriate)
 ##### Areas of broken-up concrete
 • SS-1 Location & label of sub-slab vapor samples
 • IA-1 Location & label of indoor air samples
 • OA-1 Location & label of outdoor air samples
 • PFET-1 Location and label of any pressure field test holes.

Page ____ of ____

Date: 3/28-3/29/24

Structure ID: P1

Phone Number:

Date of PID Calibration: 3/28

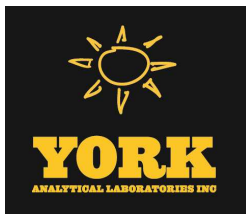
Identify any Changes from Original Building Questionnaire :

[illegible]

HRP Associates 1 Fairchild Square, Suite 110 Clifton Park, NY 12065 (518) 877-7101		SOIL VAPOR INTRUSION FIELD SAMPLING FORM			
Project:	350-352 Liberty Street	Building I.D.:	BPI		
HRP Job #	NEW6313.RA	Vapor Point ID:			
Date:	3/28/2024	Sampler:	EJ		
Helium Meter:	MGD-2002	PID Meter:	MiniRac 3000, 11.7 eV MiniRAC Lite		
Soil Vapor SUMMA Canister Record:					
SOIL VAPOR POINT			DUPLICATE SAMPLE (IF COLLECTED) Vapor Point		
Canister Serial No.:	23200	Canister Serial No.:	42999	Outdoor A	
Flow Regulator No.:	19380	Flow Regulator No.:	7077	48275	
Start Date/Time:	3/28 1145	Start Date/Time:	3/28 1145	20124	
Start Pressure: (inches Hg)	-30	Start Pressure: (inches Hg)	-30	3/28 1150	
Stop Date/Time:	3/29 1000	Stop Date/Time:	3/29 1000	-30	
Stop Pressure: (inches Hg)	-6	Stop Pressure: (inches Hg)	-6	3/29 0700	
Sample ID:	BSS-1	Sample ID:	B-SS2	-6	
Indoor Air SUMMA Canister Record:					
BASEMENT OR GROUND FLOOR Outdoor			Basement FIRST FLOOR LIVING SPACE		
Canister Serial No.:	49995 / 28318	Canister Serial No.:	42994		
Flow Regulator No.:	19343 / 6873	Flow Regulator No.:	19431		
Start Date/Time:	3/28/24 1145/1145	Start Date/Time:	3/28 1145		
Start Pressure: (inches Hg)	-29/-30	Start Pressure: (inches Hg)	-30		
Stop Date/Time:	3/29/24 1000/1000	Stop Date/Time:	3/29 1000		
Stop Pressure: (inches Hg)	-0/-0	Stop Pressure: (inches Hg)	-6		
Sample ID:	B-TA-1/B-TA-10UP	Sample ID:	B-TA2		
Other Sampling Information:					
Helium Concentration in Enclosure:	15%, 10%	Depth to Sample Point	6" (4" slab)		
Helium Concentration in Vapor Point:	0 0	Approx. Depth to Groundwater:	Unknown		
Vapor Point He/Enclosure He (%)	✓ ✓	Noticeable Odor?	No		
Purge Method and Purge Volume:	0.0, 0.1ppm 2250ccs	Soil Vapor Point Screen Type:	Open Tubing		
Note: Mini Rac 3000 pump rate= 450 cc/min		Tubing Type:	Vinyl		
PID Reading (post-purge)	0.0, 0.1ppm	Backfill Type, Depth:	Sand, 6-1"		
Indoor Ambient Temperature & Humidity:	70°F	Seal Type, Depth:	Clay, 0-1"		
Outdoor Ambient Temperature & Humidity:	44°F				
Wind Direction:	N-NE				
Comments: Urine/feces odor in kitchen area (B-TA1/0UP)					

APPENDIX G

Laboratory Analytical Reports



Technical Report

prepared for:

HRP Associates, Inc.
1 Fairchild Square, Suite 110
Clifton Park NY, 12065
Attention: Jesse Zahn

Report Date: 04/12/2024
Client Project ID: NEW6313. RA 350-352 Liberty Street, Newburgh, NY
York Project (SDG) No.: 24D0037

Revision No. 1.0



CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037

New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

Report Date: 04/12/2024
Client Project ID: NEW6313. RA 350-352 Liberty Street, Newburgh, NY
York Project (SDG) No.: 24D0037

HRP Associates, Inc.
1 Fairchild Square, Suite 110
Clifton Park NY, 12065
Attention: Jesse Zahn

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on April 01, 2024 and listed below. The project was identified as your project: **NEW6313. RA 350-352 Liberty Street, Newburgh, NY.**

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
24D0037-01	B-SS-1	Soil Vapor	03/29/2024	04/01/2024
24D0037-02	B-SS-2	Soil Vapor	03/29/2024	04/01/2024
24D0037-03	B-IA-1	Indoor Ambient Air	03/29/2024	04/01/2024
24D0037-04	B-IA-1-DUP	Indoor Ambient Air	03/29/2024	04/01/2024
24D0037-05	B-IA-2	Indoor Ambient Air	03/29/2024	04/01/2024
24D0037-06	OA_3.28.24	Outdoor Ambient Ai	03/29/2024	04/01/2024

General Notes for York Project (SDG) No.: 24D0037

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By:



Cassie L. Mosher
Laboratory Manager

Date: 04/12/2024





Sample Information

Client Sample ID: B-SS-1

York Sample ID: 24D0037-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D0037

NEW6313. RA 350-352 Liberty Street, Newburgh, NY

Soil Vapor

March 29, 2024 10:00 am

04/01/2024

VOA, TO15 Isooctane (2,2,4-TMP) Add On

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
540-84-1	* 2,2,4-Trimethylpentane	ND		ug/m ³	1.59	1.698	EPA TO-15	04/10/2024 12:00	04/10/2024 19:24	YR
Certifications:										

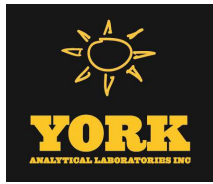
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	1.2	1.698	EPA TO-15	04/10/2024 12:00	04/10/2024 19:24	YR
Certifications:										
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.93	1.698	EPA TO-15	04/10/2024 12:00	04/10/2024 19:24	YR
Certifications: NELAC-NY12058,NJDEP-NY037										
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.2	1.698	EPA TO-15	04/10/2024 12:00	04/10/2024 19:24	YR
Certifications: NELAC-NY12058,NJDEP-NY037										
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.3	1.698	EPA TO-15	04/10/2024 12:00	04/10/2024 19:24	YR
Certifications: NELAC-NY12058,NJDEP-NY037										
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.93	1.698	EPA TO-15	04/10/2024 12:00	04/10/2024 19:24	YR
Certifications: NELAC-NY12058,NJDEP-NY037										
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.69	1.698	EPA TO-15	04/10/2024 12:00	04/10/2024 19:24	YR
Certifications: NELAC-NY12058,NJDEP-NY037										
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.17	1.698	EPA TO-15	04/10/2024 12:00	04/10/2024 19:24	YR
Certifications: NELAC-NY12058,NJDEP-NY037										
120-82-1	1,2,4-Trichlorobenzene	ND	TO-LCS -L, ICVE	ug/m ³	1.3	1.698	EPA TO-15	04/10/2024 12:00	04/10/2024 19:24	YR
Certifications: NELAC-NY12058,NJDEP-NY037										
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	0.83	1.698	EPA TO-15	04/10/2024 12:00	04/10/2024 19:24	YR
Certifications: NELAC-NY12058,NJDEP-NY037										
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.3	1.698	EPA TO-15	04/10/2024 12:00	04/10/2024 19:24	YR
Certifications: NELAC-NY12058,NJDEP-NY037										
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	1.0	1.698	EPA TO-15	04/10/2024 12:00	04/10/2024 19:24	YR
Certifications: NELAC-NY12058,NJDEP-NY037										
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.69	1.698	EPA TO-15	04/10/2024 12:00	04/10/2024 19:24	YR
Certifications: NELAC-NY12058,NJDEP-NY037										
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.78	1.698	EPA TO-15	04/10/2024 12:00	04/10/2024 19:24	YR
Certifications: NELAC-NY12058,NJDEP-NY037										
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.2	1.698	EPA TO-15	04/10/2024 12:00	04/10/2024 19:24	YR
Certifications: NELAC-NY12058,NJDEP-NY037										
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.83	1.698	EPA TO-15	04/10/2024 12:00	04/10/2024 19:24	YR
Certifications: NELAC-NY12058,NJDEP-NY037										
106-99-0	1,3-Butadiene	ND		ug/m ³	1.1	1.698	EPA TO-15	04/10/2024 12:00	04/10/2024 19:24	YR
Certifications: NELAC-NY12058,NJDEP-NY037										
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	1.0	1.698	EPA TO-15	04/10/2024 12:00	04/10/2024 19:24	YR
Certifications: NELAC-NY12058,NJDEP-NY037										



Sample Information

Client Sample ID: B-SS-1

York Sample ID: 24D0037-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D0037

NEW6313. RA 350-352 Liberty Street, Newburgh, NY

Soil Vapor

March 29, 2024 10:00 am

04/01/2024

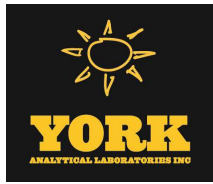
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.78	1.698	EPA TO-15 Certifications:	04/10/2024 12:00	04/10/2024 19:24	YR
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	1.0	1.698	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 19:24	YR
123-91-1	1,4-Dioxane	ND		ug/m ³	1.2	1.698	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 19:24	YR
78-93-3	2-Butanone	3.2		ug/m ³	2.5	1.698	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 19:24	YR
591-78-6	* 2-Hexanone	ND		ug/m ³	1.4	1.698	EPA TO-15 Certifications:	04/10/2024 12:00	04/10/2024 19:24	YR
107-05-1	3-Chloropropene	ND		ug/m ³	2.7	1.698	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 19:24	YR
108-10-1	4-Methyl-2-pentanone	ND	TO-LCS -L	ug/m ³	0.70	1.698	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 19:24	YR
67-64-1	Acetone	23	TO-LCS -L	ug/m ³	2.0	1.698	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 19:24	YR
107-13-1	Acrylonitrile	ND		ug/m ³	0.37	1.698	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 19:24	YR
71-43-2	Benzene	0.76		ug/m ³	0.54	1.698	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 19:24	YR
100-44-7	Benzyl chloride	ND		ug/m ³	0.88	1.698	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 19:24	YR
75-27-4	Bromodichloromethane	ND		ug/m ³	1.1	1.698	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 19:24	YR
75-25-2	Bromoform	ND		ug/m ³	1.8	1.698	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 19:24	YR
74-83-9	Bromomethane	ND		ug/m ³	0.66	1.698	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 19:24	YR
75-15-0	Carbon disulfide	ND		ug/m ³	0.53	1.698	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 19:24	YR
56-23-5	Carbon tetrachloride	0.32		ug/m ³	0.27	1.698	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 19:24	YR
108-90-7	Chlorobenzene	ND		ug/m ³	0.78	1.698	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 19:24	YR
75-00-3	Chloroethane	ND		ug/m ³	0.45	1.698	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 19:24	YR
67-66-3	Chloroform	0.91		ug/m ³	0.83	1.698	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 19:24	YR
74-87-3	Chloromethane	ND		ug/m ³	0.35	1.698	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 19:24	YR
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.17	1.698	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 19:24	YR
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.77	1.698	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 19:24	YR



Sample Information

Client Sample ID: B-SS-1

York Sample ID: 24D0037-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D0037

NEW6313. RA 350-352 Liberty Street, Newburgh, NY

Soil Vapor

March 29, 2024 10:00 am

04/01/2024

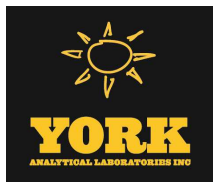
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
110-82-7	Cyclohexane	0.64		ug/m ³	0.58	1.698	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 19:24	YR
124-48-1	Dibromochloromethane	ND		ug/m ³	1.4	1.698	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 19:24	YR
75-71-8	Dichlorodifluoromethane	2.1		ug/m ³	0.84	1.698	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 19:24	YR
141-78-6	* Ethyl acetate	ND		ug/m ³	1.2	1.698	EPA TO-15 Certifications:	04/10/2024 12:00	04/10/2024 19:24	YR
100-41-4	Ethyl Benzene	0.81		ug/m ³	0.74	1.698	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 19:24	YR
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.8	1.698	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 19:24	YR
67-63-0	Isopropanol	320	TO-IPA, E	ug/m ³	2.1	1.698	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 19:24	YR
80-62-6	Methyl Methacrylate	1.2		ug/m ³	0.70	1.698	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 19:24	YR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.61	1.698	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 19:24	YR
75-09-2	Methylene chloride	ND		ug/m ³	1.2	1.698	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 19:24	YR
91-20-3	* Naphthalene	ND	TO-LCS -L, ICVE	ug/m ³	1.8	1.698	EPA TO-15 Certifications: NJDEP-NY037	04/10/2024 12:00	04/10/2024 19:24	YR
142-82-5	n-Heptane	2.2		ug/m ³	0.70	1.698	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 19:24	YR
110-54-3	n-Hexane	2.2		ug/m ³	0.60	1.698	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 19:24	YR
95-47-6	o-Xylene	1.1		ug/m ³	0.74	1.698	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 19:24	YR
179601-23-1	p- & m- Xylenes	3.2		ug/m ³	1.5	1.698	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 19:24	YR
622-96-8	* p-Ethyltoluene	ND		ug/m ³	0.83	1.698	EPA TO-15 Certifications:	04/10/2024 12:00	04/10/2024 19:24	YR
115-07-1	* Propylene	ND		ug/m ³	0.29	1.698	EPA TO-15 Certifications:	04/10/2024 12:00	04/10/2024 19:24	YR
100-42-5	Styrene	ND		ug/m ³	0.72	1.698	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 19:24	YR
127-18-4	Tetrachloroethylene	ND		ug/m ³	1.2	1.698	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 19:24	YR
109-99-9	* Tetrahydrofuran	2.9		ug/m ³	1.0	1.698	EPA TO-15 Certifications:	04/10/2024 12:00	04/10/2024 19:24	YR
108-88-3	Toluene	16		ug/m ³	0.64	1.698	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 19:24	YR



Sample Information

Client Sample ID: B-SS-1

York Sample ID: 24D0037-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D0037

NEW6313. RA 350-352 Liberty Street, Newburgh, NY

Soil Vapor

March 29, 2024 10:00 am

04/01/2024

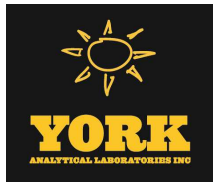
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.67	1.698	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 19:24	YR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.77	1.698	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 19:24	YR
79-01-6	Trichloroethylene	ND		ug/m ³	0.23	1.698	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 19:24	YR
75-69-4	Trichlorofluoromethane (Freon 11)	1.0		ug/m ³	0.95	1.698	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 19:24	YR
108-05-4	Vinyl acetate	ND		ug/m ³	0.60	1.698	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 19:24	YR
593-60-2	Vinyl bromide	ND		ug/m ³	0.74	1.698	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 19:24	YR
75-01-4	Vinyl Chloride	ND		ug/m ³	0.22	1.698	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 19:24	YR



Sample Information

Client Sample ID: B-SS-2

York Sample ID: 24D0037-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D0037

NEW6313. RA 350-352 Liberty Street, Newburgh, NY

Soil Vapor

March 29, 2024 10:00 am

04/01/2024

VOA, TO15 Isooctane (2,2,4-TMP) Add On

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
540-84-1	* 2,2,4-Trimethylpentane	ND		ug/m ³	1.53	1.639	EPA TO-15 Certifications:	04/10/2024 12:00	04/10/2024 22:23	YR

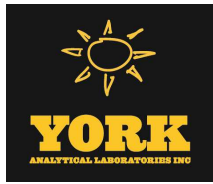
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	1.1	1.639	EPA TO-15 Certifications:	04/10/2024 12:00	04/10/2024 22:23	YR
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.89	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.1	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.3	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.89	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.66	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.16	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
120-82-1	1,2,4-Trichlorobenzene	1.2		ug/m ³	1.2	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
95-63-6	1,2,4-Trimethylbenzene	1.3		ug/m ³	0.81	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.3	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.99	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.66	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.76	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.1	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.81	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
106-99-0	1,3-Butadiene	ND		ug/m ³	1.1	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.99	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.76	1.639	EPA TO-15 Certifications:	04/10/2024 12:00	04/10/2024 22:23	YR



Sample Information

Client Sample ID: B-SS-2

York Sample ID: 24D0037-02

York Project (SDG) No.

Client Project ID

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24D0037

NEW6313. RA 350-352 Liberty Street, Newburgh, NY

Soil Vapor

March 29, 2024 10:00 am

04/01/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.99	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
123-91-1	1,4-Dioxane	ND		ug/m ³	1.2	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
78-93-3	2-Butanone	4.8		ug/m ³	0.48	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
591-78-6	* 2-Hexanone	1.5		ug/m ³	1.3	1.639	EPA TO-15 Certifications:	04/10/2024 12:00	04/10/2024 22:23	YR
107-05-1	3-Chloropropene	ND		ug/m ³	2.6	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.67	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
67-64-1	Acetone	49		ug/m ³	0.78	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
107-13-1	Acrylonitrile	ND		ug/m ³	0.36	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
71-43-2	Benzene	0.99		ug/m ³	0.52	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
100-44-7	Benzyl chloride	ND		ug/m ³	0.85	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
75-27-4	Bromodichloromethane	ND		ug/m ³	1.1	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
75-25-2	Bromoform	ND		ug/m ³	1.7	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
74-83-9	Bromomethane	ND		ug/m ³	0.64	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
75-15-0	Carbon disulfide	ND		ug/m ³	0.51	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
56-23-5	Carbon tetrachloride	0.31		ug/m ³	0.26	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
108-90-7	Chlorobenzene	ND		ug/m ³	0.75	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
75-00-3	Chloroethane	ND		ug/m ³	0.43	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
67-66-3	Chloroform	5.0		ug/m ³	0.80	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
74-87-3	Chloromethane	ND		ug/m ³	0.34	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.16	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.74	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
110-82-7	Cyclohexane	ND		ug/m ³	0.56	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR



Sample Information

Client Sample ID: B-SS-2

York Sample ID: 24D0037-02

York Project (SDG) No.

Client Project ID

Matrix

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24D0037

NEW6313. RA 350-352 Liberty Street, Newburgh, NY

Soil Vapor

March 29, 2024 10:00 am

04/01/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
124-48-1	Dibromochloromethane	ND		ug/m ³	1.4	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
75-71-8	Dichlorodifluoromethane	2.5		ug/m ³	0.81	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
141-78-6	* Ethyl acetate	ND		ug/m ³	1.2	1.639	EPA TO-15 Certifications:	04/10/2024 12:00	04/10/2024 22:23	YR
100-41-4	Ethyl Benzene	0.93		ug/m ³	0.71	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.7	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
67-63-0	Isopropanol	320	TO-IPA, E	ug/m ³	0.81	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.67	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.59	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
75-09-2	Methylene chloride	ND		ug/m ³	1.1	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
91-20-3	* Naphthalene	1.8		ug/m ³	1.7	1.639	EPA TO-15 Certifications: NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
142-82-5	n-Heptane	1.0		ug/m ³	0.67	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
110-54-3	n-Hexane	ND		ug/m ³	0.58	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
95-47-6	o-Xylene	1.3		ug/m ³	0.71	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
179601-23-1	p- & m- Xylenes	3.5		ug/m ³	1.4	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
622-96-8	* p-Ethyltoluene	ND		ug/m ³	0.81	1.639	EPA TO-15 Certifications:	04/10/2024 12:00	04/10/2024 22:23	YR
115-07-1	* Propylene	3.6		ug/m ³	0.28	1.639	EPA TO-15 Certifications:	04/10/2024 12:00	04/10/2024 22:23	YR
100-42-5	Styrene	ND		ug/m ³	0.70	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
127-18-4	Tetrachloroethylene	1.4		ug/m ³	1.1	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
109-99-9	* Tetrahydrofuran	2.4		ug/m ³	0.97	1.639	EPA TO-15 Certifications:	04/10/2024 12:00	04/10/2024 22:23	YR
108-88-3	Toluene	9.1		ug/m ³	0.62	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.65	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.74	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR



Sample Information

Client Sample ID: B-SS-2

York Sample ID: 24D0037-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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24D0037

NEW6313. RA 350-352 Liberty Street, Newburgh, NY

Soil Vapor

March 29, 2024 10:00 am

04/01/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-01-6	Trichloroethylene	0.70		ug/m ³	0.22	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
75-69-4	Trichlorofluoromethane (Freon 11)	1.3		ug/m ³	0.92	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
108-05-4	Vinyl acetate	ND		ug/m ³	0.58	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
593-60-2	Vinyl bromide	ND		ug/m ³	0.72	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
75-01-4	Vinyl Chloride	ND		ug/m ³	0.21	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR



Sample Information

Client Sample ID: B-IA-1

York Sample ID: 24D0037-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D0037

NEW6313. RA 350-352 Liberty Street, Newburgh, NY

Indoor Ambient Air

March 29, 2024 10:00 am

04/01/2024

VOA, TO15 Isooctane (2,2,4-TMP) Add On

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
540-84-1	* 2,2,4-Trimethylpentane	ND		ug/m ³	0.669	0.716	EPA TO-15 Certifications:	04/10/2024 12:00	04/11/2024 00:36	YR

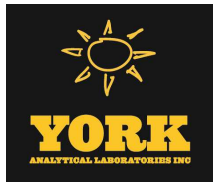
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	0.49	0.716	EPA TO-15 Certifications:	04/10/2024 12:00	04/11/2024 00:36	YR
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.39	0.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 00:36	YR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.49	0.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 00:36	YR
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.55		ug/m ³	0.55	0.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 00:36	YR
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.39	0.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 00:36	YR
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.29	0.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 00:36	YR
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.071	0.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 00:36	YR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	0.53	0.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 00:36	YR
95-63-6	1,2,4-Trimethylbenzene	0.99		ug/m ³	0.35	0.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 00:36	YR
106-93-4	1,2-Dibromoethane	ND		ug/m ³	0.55	0.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 00:36	YR
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.43	0.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 00:36	YR
107-06-2	1,2-Dichloroethane	0.38		ug/m ³	0.29	0.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 00:36	YR
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.33	0.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 00:36	YR
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.50	0.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 00:36	YR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.35	0.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 00:36	YR
106-99-0	1,3-Butadiene	ND		ug/m ³	0.48	0.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 00:36	YR
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.43	0.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 00:36	YR
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.33	0.716	EPA TO-15 Certifications:	04/10/2024 12:00	04/11/2024 00:36	YR



Sample Information

Client Sample ID: B-IA-1

York Sample ID: 24D0037-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D0037

NEW6313. RA 350-352 Liberty Street, Newburgh, NY

Indoor Ambient Air

March 29, 2024 10:00 am

04/01/2024

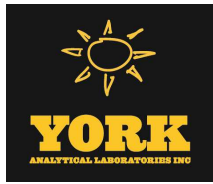
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.43	0.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 00:36	YR
123-91-1	1,4-Dioxane	ND		ug/m ³	0.52	0.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 00:36	YR
78-93-3	2-Butanone	22		ug/m ³	0.21	0.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 00:36	YR
591-78-6	* 2-Hexanone	0.82		ug/m ³	0.59	0.716	EPA TO-15 Certifications:	04/10/2024 12:00	04/11/2024 00:36	YR
107-05-1	3-Chloropropene	ND		ug/m ³	1.1	0.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 00:36	YR
108-10-1	4-Methyl-2-pentanone	0.35		ug/m ³	0.29	0.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 00:36	YR
67-64-1	Acetone	91		ug/m ³	2.6	5.376	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 01:34	YR
107-13-1	Acrylonitrile	ND		ug/m ³	0.16	0.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 00:36	YR
71-43-2	Benzene	0.94		ug/m ³	0.23	0.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 00:36	YR
100-44-7	Benzyl chloride	ND		ug/m ³	0.37	0.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 00:36	YR
75-27-4	Bromodichloromethane	ND		ug/m ³	0.48	0.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 00:36	YR
75-25-2	Bromoform	ND		ug/m ³	0.74	0.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 00:36	YR
74-83-9	Bromomethane	ND		ug/m ³	0.28	0.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 00:36	YR
75-15-0	Carbon disulfide	ND		ug/m ³	0.22	0.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 00:36	YR
56-23-5	Carbon tetrachloride	0.41		ug/m ³	0.11	0.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 00:36	YR
108-90-7	Chlorobenzene	ND		ug/m ³	0.33	0.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 00:36	YR
75-00-3	Chloroethane	ND		ug/m ³	0.19	0.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 00:36	YR
67-66-3	Chloroform	3.0		ug/m ³	0.35	0.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 00:36	YR
74-87-3	Chloromethane	1.6		ug/m ³	0.15	0.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 00:36	YR
156-59-2	cis-1,2-Dichloroethylene	0.20		ug/m ³	0.071	0.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 00:36	YR
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.32	0.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 00:36	YR
110-82-7	Cyclohexane	ND		ug/m ³	0.25	0.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 00:36	YR



Sample Information

Client Sample ID: B-IA-1

York Sample ID: 24D0037-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D0037

NEW6313. RA 350-352 Liberty Street, Newburgh, NY

Indoor Ambient Air

March 29, 2024 10:00 am

04/01/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
124-48-1	Dibromochloromethane	ND		ug/m ³	0.61	0.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 00:36	YR
75-71-8	Dichlorodifluoromethane	2.4		ug/m ³	0.35	0.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 00:36	YR
141-78-6	* Ethyl acetate	2.2		ug/m ³	0.52	0.716	EPA TO-15 Certifications:	04/10/2024 12:00	04/11/2024 00:36	YR
100-41-4	Ethyl Benzene	0.87		ug/m ³	0.31	0.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 00:36	YR
87-68-3	Hexachlorobutadiene	ND		ug/m ³	0.76	0.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 00:36	YR
67-63-0	Isopropanol	190		ug/m ³	2.6	5.376	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 01:34	YR
80-62-6	Methyl Methacrylate	0.29		ug/m ³	0.29	0.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 00:36	YR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.26	0.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 00:36	YR
75-09-2	Methylene chloride	ND		ug/m ³	0.50	0.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 00:36	YR
91-20-3	* Naphthalene	ND		ug/m ³	0.75	0.716	EPA TO-15 Certifications: NJDEP-NY037	04/10/2024 12:00	04/11/2024 00:36	YR
142-82-5	n-Heptane	0.56		ug/m ³	0.29	0.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 00:36	YR
110-54-3	n-Hexane	ND		ug/m ³	0.25	0.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 00:36	YR
95-47-6	o-Xylene	1.1		ug/m ³	0.31	0.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 00:36	YR
179601-23-1	p- & m- Xylenes	3.0		ug/m ³	0.62	0.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 00:36	YR
622-96-8	* p-Ethyltoluene	0.46		ug/m ³	0.35	0.716	EPA TO-15 Certifications:	04/10/2024 12:00	04/11/2024 00:36	YR
115-07-1	* Propylene	4.5		ug/m ³	0.12	0.716	EPA TO-15 Certifications:	04/10/2024 12:00	04/11/2024 00:36	YR
100-42-5	Styrene	0.30		ug/m ³	0.30	0.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 00:36	YR
127-18-4	Tetrachloroethylene	0.87		ug/m ³	0.49	0.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 00:36	YR
109-99-9	* Tetrahydrofuran	16		ug/m ³	0.42	0.716	EPA TO-15 Certifications:	04/10/2024 12:00	04/11/2024 00:36	YR
108-88-3	Toluene	2.5		ug/m ³	0.27	0.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 00:36	YR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.28	0.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 00:36	YR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.32	0.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 00:36	YR



Sample Information

Client Sample ID: B-IA-1

York Sample ID: 24D0037-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D0037

NEW6313. RA 350-352 Liberty Street, Newburgh, NY

Indoor Ambient Air

March 29, 2024 10:00 am

04/01/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-01-6	Trichloroethylene	0.19		ug/m ³	0.096	0.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 00:36	YR
75-69-4	Trichlorofluoromethane (Freon 11)	1.2		ug/m ³	0.40	0.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 00:36	YR
108-05-4	Vinyl acetate	ND		ug/m ³	0.25	0.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 00:36	YR
593-60-2	Vinyl bromide	ND		ug/m ³	0.31	0.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 00:36	YR
75-01-4	Vinyl Chloride	ND		ug/m ³	0.092	0.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 00:36	YR



Sample Information

Client Sample ID: B-IA-1-DUP

York Sample ID: 24D0037-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D0037

NEW6313. RA 350-352 Liberty Street, Newburgh, NY

Indoor Ambient Air

March 29, 2024 10:00 am

04/01/2024

VOA, TO15 Isooctane (2,2,4-TMP) Add On

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
540-84-1	* 2,2,4-Trimethylpentane	ND		ug/m ³	0.805	0.861	EPA TO-15 Certifications:	04/10/2024 12:00	04/11/2024 02:43	YR

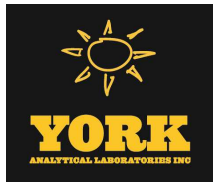
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	0.59	0.861	EPA TO-15 Certifications:	04/10/2024 12:00	04/11/2024 02:43	YR
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.47	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.59	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	0.66	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.47	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.35	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.085	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	0.64	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
95-63-6	1,2,4-Trimethylbenzene	1.4		ug/m ³	0.42	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
106-93-4	1,2-Dibromoethane	ND		ug/m ³	0.66	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.52	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
107-06-2	1,2-Dichloroethane	0.35		ug/m ³	0.35	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.40	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.60	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.42	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
106-99-0	1,3-Butadiene	ND		ug/m ³	0.57	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.52	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.40	0.861	EPA TO-15 Certifications:	04/10/2024 12:00	04/11/2024 02:43	YR



Sample Information

Client Sample ID: B-IA-1-DUP

York Sample ID: 24D0037-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D0037

NEW6313. RA 350-352 Liberty Street, Newburgh, NY

Indoor Ambient Air

March 29, 2024 10:00 am

04/01/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.52	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
123-91-1	1,4-Dioxane	ND		ug/m ³	0.62	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
78-93-3	2-Butanone	22		ug/m ³	0.25	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
591-78-6	* 2-Hexanone	0.74		ug/m ³	0.71	0.861	EPA TO-15 Certifications:	04/10/2024 12:00	04/11/2024 02:43	YR
107-05-1	3-Chloropropene	ND		ug/m ³	1.3	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
108-10-1	4-Methyl-2-pentanone	0.39		ug/m ³	0.35	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
67-64-1	Acetone	81		ug/m ³	0.41	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
107-13-1	Acrylonitrile	ND		ug/m ³	0.19	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
71-43-2	Benzene	0.88		ug/m ³	0.28	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
100-44-7	Benzyl chloride	ND		ug/m ³	0.45	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
75-27-4	Bromodichloromethane	ND		ug/m ³	0.58	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
75-25-2	Bromoform	ND		ug/m ³	0.89	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
74-83-9	Bromomethane	ND		ug/m ³	0.33	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
75-15-0	Carbon disulfide	ND		ug/m ³	0.27	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
56-23-5	Carbon tetrachloride	0.38		ug/m ³	0.14	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
108-90-7	Chlorobenzene	ND		ug/m ³	0.40	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
75-00-3	Chloroethane	ND		ug/m ³	0.23	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
67-66-3	Chloroform	3.1		ug/m ³	0.42	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
74-87-3	Chloromethane	1.5		ug/m ³	0.18	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.085	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.39	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
110-82-7	Cyclohexane	ND		ug/m ³	0.30	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR



Sample Information

Client Sample ID: B-IA-1-DUP

York Sample ID: 24D0037-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D0037

NEW6313. RA 350-352 Liberty Street, Newburgh, NY

Indoor Ambient Air

March 29, 2024 10:00 am

04/01/2024

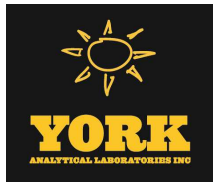
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
124-48-1	Dibromochloromethane	ND		ug/m ³	0.73	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
75-71-8	Dichlorodifluoromethane	2.3		ug/m ³	0.43	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
141-78-6	* Ethyl acetate	2.6		ug/m ³	0.62	0.861	EPA TO-15 Certifications:	04/10/2024 12:00	04/11/2024 02:43	YR
100-41-4	Ethyl Benzene	0.97		ug/m ³	0.37	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
87-68-3	Hexachlorobutadiene	ND		ug/m ³	0.92	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
67-63-0	Isopropanol	190	TO-IPA, E	ug/m ³	0.42	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.35	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.31	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
75-09-2	Methylene chloride	ND		ug/m ³	0.60	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
91-20-3	* Naphthalene	ND		ug/m ³	0.90	0.861	EPA TO-15 Certifications: NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
142-82-5	n-Heptane	0.53		ug/m ³	0.35	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
110-54-3	n-Hexane	ND		ug/m ³	0.30	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
95-47-6	o-Xylene	1.4		ug/m ³	0.37	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
179601-23-1	p- & m- Xylenes	4.1		ug/m ³	0.75	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
622-96-8	* p-Ethyltoluene	0.89		ug/m ³	0.42	0.861	EPA TO-15 Certifications:	04/10/2024 12:00	04/11/2024 02:43	YR
115-07-1	* Propylene	ND		ug/m ³	0.15	0.861	EPA TO-15 Certifications:	04/10/2024 12:00	04/11/2024 02:43	YR
100-42-5	Styrene	0.84		ug/m ³	0.37	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
127-18-4	Tetrachloroethylene	0.99		ug/m ³	0.58	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
109-99-9	* Tetrahydrofuran	17		ug/m ³	0.51	0.861	EPA TO-15 Certifications:	04/10/2024 12:00	04/11/2024 02:43	YR
108-88-3	Toluene	3.2		ug/m ³	0.32	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.34	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.39	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR



Sample Information

Client Sample ID: B-IA-1-DUP

York Sample ID: 24D0037-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D0037

NEW6313. RA 350-352 Liberty Street, Newburgh, NY

Indoor Ambient Air

March 29, 2024 10:00 am

04/01/2024

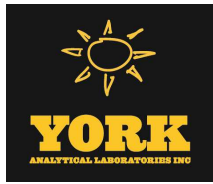
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-01-6	Trichloroethylene	0.19		ug/m ³	0.12	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
75-69-4	Trichlorofluoromethane (Freon 11)	1.3		ug/m ³	0.48	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
108-05-4	Vinyl acetate	ND		ug/m ³	0.30	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
593-60-2	Vinyl bromide	ND		ug/m ³	0.38	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
75-01-4	Vinyl Chloride	ND		ug/m ³	0.11	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR



Sample Information

Client Sample ID: B-IA-2

York Sample ID: 24D0037-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D0037

NEW6313. RA 350-352 Liberty Street, Newburgh, NY

Indoor Ambient Air

March 29, 2024 10:00 am

04/01/2024

VOA, TO15 Isooctane (2,2,4-TMP) Add On

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
540-84-1	* 2,2,4-Trimethylpentane	ND		ug/m ³	0.818	0.875	EPA TO-15 Certifications:	04/10/2024 12:00	04/11/2024 03:53	YR

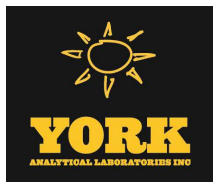
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	0.60	0.875	EPA TO-15 Certifications:	04/10/2024 12:00	04/11/2024 03:53	YR
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.48	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.60	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	0.67	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.48	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.35	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.087	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	0.65	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	0.43	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
106-93-4	1,2-Dibromoethane	ND		ug/m ³	0.67	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.53	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.35	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.40	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.61	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.43	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
106-99-0	1,3-Butadiene	ND		ug/m ³	0.58	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.53	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.40	0.875	EPA TO-15 Certifications:	04/10/2024 12:00	04/11/2024 03:53	YR



Sample Information

Client Sample ID: B-IA-2

York Sample ID: 24D0037-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D0037

NEW6313. RA 350-352 Liberty Street, Newburgh, NY

Indoor Ambient Air

March 29, 2024 10:00 am

04/01/2024

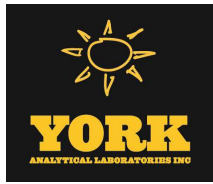
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.53	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
123-91-1	1,4-Dioxane	ND		ug/m ³	0.63	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
78-93-3	2-Butanone	2.2		ug/m ³	0.26	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
591-78-6	* 2-Hexanone	ND		ug/m ³	0.72	0.875	EPA TO-15 Certifications:	04/10/2024 12:00	04/11/2024 03:53	YR
107-05-1	3-Chloropropene	ND		ug/m ³	1.4	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.36	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
67-64-1	Acetone	14		ug/m ³	0.42	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
107-13-1	Acrylonitrile	ND		ug/m ³	0.19	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
71-43-2	Benzene	1.7		ug/m ³	0.28	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
100-44-7	Benzyl chloride	ND		ug/m ³	0.45	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
75-27-4	Bromodichloromethane	ND		ug/m ³	0.59	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
75-25-2	Bromoform	ND		ug/m ³	0.90	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
74-83-9	Bromomethane	ND		ug/m ³	0.34	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
75-15-0	Carbon disulfide	ND		ug/m ³	0.27	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
56-23-5	Carbon tetrachloride	0.44		ug/m ³	0.14	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
108-90-7	Chlorobenzene	ND		ug/m ³	0.40	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
75-00-3	Chloroethane	ND		ug/m ³	0.23	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
67-66-3	Chloroform	0.47		ug/m ³	0.43	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
74-87-3	Chloromethane	1.7		ug/m ³	0.18	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
156-59-2	cis-1,2-Dichloroethylene	0.17		ug/m ³	0.087	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.40	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
110-82-7	Cyclohexane	ND		ug/m ³	0.30	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR



Sample Information

Client Sample ID: B-IA-2

York Sample ID: 24D0037-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D0037

NEW6313. RA 350-352 Liberty Street, Newburgh, NY

Indoor Ambient Air

March 29, 2024 10:00 am

04/01/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
124-48-1	Dibromochloromethane	ND		ug/m ³	0.75	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
75-71-8	Dichlorodifluoromethane	2.6		ug/m ³	0.43	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
141-78-6	* Ethyl acetate	ND		ug/m ³	0.63	0.875	EPA TO-15 Certifications:	04/10/2024 12:00	04/11/2024 03:53	YR
100-41-4	Ethyl Benzene	ND		ug/m ³	0.38	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
87-68-3	Hexachlorobutadiene	ND		ug/m ³	0.93	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
67-63-0	Isopropanol	70		ug/m ³	0.43	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.36	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.32	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
75-09-2	Methylene chloride	ND		ug/m ³	0.61	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
91-20-3	* Naphthalene	ND		ug/m ³	0.92	0.875	EPA TO-15 Certifications: NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
142-82-5	n-Heptane	ND		ug/m ³	0.36	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
110-54-3	n-Hexane	ND		ug/m ³	0.31	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
95-47-6	o-Xylene	ND		ug/m ³	0.38	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
179601-23-1	p- & m- Xylenes	ND		ug/m ³	0.76	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
622-96-8	* p-Ethyltoluene	ND		ug/m ³	0.43	0.875	EPA TO-15 Certifications:	04/10/2024 12:00	04/11/2024 03:53	YR
115-07-1	* Propylene	ND		ug/m ³	0.15	0.875	EPA TO-15 Certifications:	04/10/2024 12:00	04/11/2024 03:53	YR
100-42-5	Styrene	ND		ug/m ³	0.37	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
127-18-4	Tetrachloroethylene	ND		ug/m ³	0.59	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
109-99-9	* Tetrahydrofuran	1.3		ug/m ³	0.52	0.875	EPA TO-15 Certifications:	04/10/2024 12:00	04/11/2024 03:53	YR
108-88-3	Toluene	0.49		ug/m ³	0.33	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.35	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.40	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR



Sample Information

Client Sample ID: B-IA-2

York Sample ID: 24D0037-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D0037

NEW6313. RA 350-352 Liberty Street, Newburgh, NY

Indoor Ambient Air

March 29, 2024 10:00 am

04/01/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-01-6	Trichloroethylene	0.14		ug/m ³	0.12	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
75-69-4	Trichlorofluoromethane (Freon 11)	1.3		ug/m ³	0.49	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
108-05-4	Vinyl acetate	ND		ug/m ³	0.31	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
593-60-2	Vinyl bromide	ND		ug/m ³	0.38	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
75-01-4	Vinyl Chloride	ND		ug/m ³	0.11	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR



Sample Information

Client Sample ID: OA_3.28.24

York Sample ID: 24D0037-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D0037

NEW6313. RA 350-352 Liberty Street, Newburgh, NY

Outdoor Ambient Air

March 29, 2024 10:00 am

04/01/2024

VOA, TO15 Isooctane (2,2,4-TMP) Add On

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
540-84-1	* 2,2,4-Trimethylpentane	ND		ug/m ³	0.838	0.897	EPA TO-15 Certifications:	04/10/2024 12:00	04/11/2024 05:02	YR

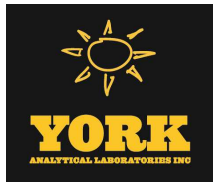
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	0.62	0.897	EPA TO-15 Certifications:	04/10/2024 12:00	04/11/2024 05:02	YR
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.49	0.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 05:02	YR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.62	0.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 05:02	YR
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	0.69	0.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 05:02	YR
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.49	0.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 05:02	YR
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.36	0.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 05:02	YR
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.089	0.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 05:02	YR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	0.67	0.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 05:02	YR
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	0.44	0.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 05:02	YR
106-93-4	1,2-Dibromoethane	ND		ug/m ³	0.69	0.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 05:02	YR
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.54	0.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 05:02	YR
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.36	0.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 05:02	YR
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.41	0.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 05:02	YR
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.63	0.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 05:02	YR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.44	0.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 05:02	YR
106-99-0	1,3-Butadiene	ND		ug/m ³	0.60	0.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 05:02	YR
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.54	0.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 05:02	YR
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.41	0.897	EPA TO-15 Certifications:	04/10/2024 12:00	04/11/2024 05:02	YR



Sample Information

Client Sample ID: OA_3.28.24

York Sample ID: 24D0037-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D0037

NEW6313. RA 350-352 Liberty Street, Newburgh, NY

Outdoor Ambient Air

March 29, 2024 10:00 am

04/01/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.54	0.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 05:02	YR
123-91-1	1,4-Dioxane	ND		ug/m ³	0.65	0.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 05:02	YR
78-93-3	2-Butanone	0.79		ug/m ³	0.26	0.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 05:02	YR
591-78-6	* 2-Hexanone	ND		ug/m ³	0.73	0.897	EPA TO-15 Certifications:	04/10/2024 12:00	04/11/2024 05:02	YR
107-05-1	3-Chloropropene	ND		ug/m ³	1.4	0.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 05:02	YR
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.37	0.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 05:02	YR
67-64-1	Acetone	71		ug/m ³	0.43	0.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 05:02	YR
107-13-1	Acrylonitrile	23		ug/m ³	0.19	0.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 05:02	YR
71-43-2	Benzene	0.34		ug/m ³	0.29	0.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 05:02	YR
100-44-7	Benzyl chloride	ND		ug/m ³	0.46	0.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 05:02	YR
75-27-4	Bromodichloromethane	ND		ug/m ³	0.60	0.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 05:02	YR
75-25-2	Bromoform	ND		ug/m ³	0.93	0.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 05:02	YR
74-83-9	Bromomethane	ND		ug/m ³	0.35	0.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 05:02	YR
75-15-0	Carbon disulfide	ND		ug/m ³	0.28	0.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 05:02	YR
56-23-5	Carbon tetrachloride	0.34		ug/m ³	0.14	0.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 05:02	YR
108-90-7	Chlorobenzene	ND		ug/m ³	0.41	0.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 05:02	YR
75-00-3	Chloroethane	ND		ug/m ³	0.24	0.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 05:02	YR
67-66-3	Chloroform	ND		ug/m ³	0.44	0.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 05:02	YR
74-87-3	Chloromethane	1.6		ug/m ³	0.19	0.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 05:02	YR
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.089	0.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 05:02	YR
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.41	0.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 05:02	YR
110-82-7	Cyclohexane	ND		ug/m ³	0.31	0.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 05:02	YR



Sample Information

Client Sample ID: OA_3.28.24

York Sample ID: 24D0037-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D0037

NEW6313. RA 350-352 Liberty Street, Newburgh, NY

Outdoor Ambient Air

March 29, 2024 10:00 am

04/01/2024

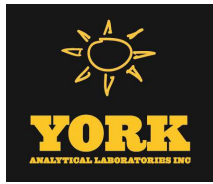
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
124-48-1	Dibromochloromethane	ND		ug/m ³	0.76	0.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 05:02	YR
75-71-8	Dichlorodifluoromethane	2.4		ug/m ³	0.44	0.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 05:02	YR
141-78-6	* Ethyl acetate	ND		ug/m ³	0.65	0.897	EPA TO-15 Certifications:	04/10/2024 12:00	04/11/2024 05:02	YR
100-41-4	Ethyl Benzene	ND		ug/m ³	0.39	0.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 05:02	YR
87-68-3	Hexachlorobutadiene	ND		ug/m ³	0.96	0.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 05:02	YR
67-63-0	Isopropanol	12		ug/m ³	0.44	0.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 05:02	YR
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.37	0.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 05:02	YR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.32	0.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 05:02	YR
75-09-2	Methylene chloride	ND		ug/m ³	0.62	0.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 05:02	YR
91-20-3	* Naphthalene	ND		ug/m ³	0.94	0.897	EPA TO-15 Certifications: NJDEP-NY037	04/10/2024 12:00	04/11/2024 05:02	YR
142-82-5	n-Heptane	ND		ug/m ³	0.37	0.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 05:02	YR
110-54-3	n-Hexane	0.41		ug/m ³	0.32	0.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 05:02	YR
95-47-6	o-Xylene	ND		ug/m ³	0.39	0.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 05:02	YR
179601-23-1	p- & m- Xylenes	ND		ug/m ³	0.78	0.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 05:02	YR
622-96-8	* p-Ethyltoluene	ND		ug/m ³	0.44	0.897	EPA TO-15 Certifications:	04/10/2024 12:00	04/11/2024 05:02	YR
115-07-1	* Propylene	ND		ug/m ³	0.15	0.897	EPA TO-15 Certifications:	04/10/2024 12:00	04/11/2024 05:02	YR
100-42-5	Styrene	ND		ug/m ³	0.38	0.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 05:02	YR
127-18-4	Tetrachloroethylene	ND		ug/m ³	0.61	0.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 05:02	YR
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.53	0.897	EPA TO-15 Certifications:	04/10/2024 12:00	04/11/2024 05:02	YR
108-88-3	Toluene	0.54		ug/m ³	0.34	0.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 05:02	YR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.36	0.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 05:02	YR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.41	0.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 05:02	YR



Sample Information

Client Sample ID: OA_3.28.24		York Sample ID: 24D0037-06			
<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>	
24D0037	NEW6313. RA 350-352 Liberty Street, Newburgh, NY	Outdoor Ambient Air	March 29, 2024 10:00 am	04/01/2024	

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-01-6	Trichloroethylene	ND		ug/m³	0.12	0.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 05:02	YR
75-69-4	Trichlorofluoromethane (Freon 11)	1.3		ug/m³	0.50	0.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 05:02	YR
108-05-4	Vinyl acetate	ND		ug/m³	0.32	0.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 05:02	YR
593-60-2	Vinyl bromide	ND		ug/m³	0.39	0.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 05:02	YR
75-01-4	Vinyl Chloride	ND		ug/m³	0.11	0.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 05:02	YR



Analytical Batch Summary

Batch ID: BD40937 **Preparation Method:** EPA TO15 PREP **Prepared By:** YR

YORK Sample ID	Client Sample ID	Preparation Date
24D0037-01	B-SS-1	04/10/24
BD40937-BLK1	Blank	04/10/24
BD40937-BS1	LCS	04/10/24
BD40937-DUP1	Duplicate	04/10/24

Batch ID: BD40939 **Preparation Method:** EPA TO15 PREP **Prepared By:** YR

YORK Sample ID	Client Sample ID	Preparation Date
24D0037-01	B-SS-1	04/10/24
BD40939-BLK1	Blank	04/10/24
BD40939-BS1	LCS	04/10/24
BD40939-DUP1	Duplicate	04/10/24

Batch ID: BD40942 **Preparation Method:** EPA TO15 PREP **Prepared By:** YR

YORK Sample ID	Client Sample ID	Preparation Date
24D0037-02	B-SS-2	04/10/24
24D0037-03	B-IA-1	04/10/24
24D0037-03RE1	B-IA-1	04/10/24
24D0037-04	B-IA-1-DUP	04/10/24
24D0037-05	B-IA-2	04/10/24
24D0037-06	OA_3.28.24	04/10/24
BD40942-BLK1	Blank	04/10/24
BD40942-BS1	LCS	04/10/24
BD40942-DUP1	Duplicate	04/10/24

Batch ID: BD40943 **Preparation Method:** EPA TO15 PREP **Prepared By:** YR

YORK Sample ID	Client Sample ID	Preparation Date
24D0037-02	B-SS-2	04/10/24
24D0037-03	B-IA-1	04/10/24
24D0037-03RE1	B-IA-1	04/10/24
24D0037-04	B-IA-1-DUP	04/10/24
24D0037-05	B-IA-2	04/10/24
24D0037-06	OA_3.28.24	04/10/24
BD40943-BLK1	Blank	04/10/24
BD40943-BS1	LCS	04/10/24
BD40943-DUP1	Duplicate	04/10/24



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BD40937 - EPA TO15 PREP

Blank (BD40937-BLK1)

Prepared & Analyzed: 04/10/2024

1,1,1,2-Tetrachloroethane	ND	0.0	ppbv
1,1,1-Trichloroethane	ND	0.0	"
1,1,2,2-Tetrachloroethane	ND	0.0	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0	"
1,1,2-Trichloroethane	ND	0.0	"
1,1-Dichloroethane	ND	0.0	"
1,1-Dichloroethylene	ND	0.0	"
1,2,4-Trichlorobenzene	ND	0.0	"
1,2,4-Trimethylbenzene	ND	0.0	"
1,2-Dibromoethane	ND	0.0	"
1,2-Dichlorobenzene	ND	0.0	"
1,2-Dichloroethane	ND	0.0	"
1,2-Dichloropropane	ND	0.0	"
1,2-Dichlorotetrafluoroethane	ND	0.0	"
1,3,5-Trimethylbenzene	ND	0.0	"
1,3-Butadiene	ND	0.0	"
1,3-Dichlorobenzene	ND	0.0	"
1,3-Dichloropropane	ND	0.0	"
1,4-Dichlorobenzene	ND	0.0	"
1,4-Dioxane	ND	0.0	"
2-Butanone	ND	0.0	"
2-Hexanone	ND	0.0	"
3-Chloropropene	ND	0.0	"
4-Methyl-2-pentanone	ND	0.0	"
Acetone	ND	0.0	"
Acrylonitrile	ND	0.0	"
Benzene	ND	0.0	"
Benzyl chloride	ND	0.0	"
Bromodichloromethane	ND	0.0	"
Bromoform	ND	0.0	"
Bromomethane	ND	0.0	"
Carbon disulfide	ND	0.0	"
Carbon tetrachloride	ND	0.0	"
Chlorobenzene	ND	0.0	"
Chloroethane	ND	0.0	"
Chloroform	ND	0.0	"
Chloromethane	ND	0.0	"
cis-1,2-Dichloroethylene	ND	0.0	"
cis-1,3-Dichloropropylene	ND	0.0	"
Cyclohexane	ND	0.0	"
Dibromochloromethane	ND	0.0	"
Dichlorodifluoromethane	ND	0.0	"
Ethyl acetate	ND	0.0	"
Ethyl Benzene	ND	0.0	"
Hexachlorobutadiene	ND	0.0	"
Isopropanol	ND	0.0	"
Methyl Methacrylate	ND	0.0	"
Methyl tert-butyl ether (MTBE)	ND	0.0	"
Methylene chloride	ND	0.0	"
Naphthalene	ND	0.0	"



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BD40937 - EPA TO15 PREP

Blank (BD40937-BLK1)

Prepared & Analyzed: 04/10/2024

n-Heptane	ND	0.0	ppbv
n-Hexane	ND	0.0	"
o-Xylene	ND	0.0	"
p- & m- Xylenes	ND	0.0	"
p-Ethyltoluene	ND	0.0	"
Propylene	ND	0.0	"
Styrene	ND	0.0	"
Tetrachloroethylene	ND	0.0	"
Tetrahydrofuran	ND	0.0	"
Toluene	ND	0.0	"
trans-1,2-Dichloroethylene	ND	0.0	"
trans-1,3-Dichloropropylene	ND	0.0	"
Trichloroethylene	ND	0.0	"
Trichlorofluoromethane (Freon 11)	ND	0.0	"
Vinyl acetate	ND	0.0	"
Vinyl bromide	ND	0.0	"
Vinyl Chloride	ND	0.0	"

LCS (BD40937-BS1)

Prepared & Analyzed: 04/10/2024

1,1,1,2-Tetrachloroethane	8.78		ppbv	10.0	87.8	70-130	
1,1,1-Trichloroethane	8.70		"	10.0	87.0	70-130	
1,1,2,2-Tetrachloroethane	8.59		"	10.0	85.9	70-130	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.74		"	10.0	97.4	70-130	
1,1,2-Trichloroethane	8.15		"	10.0	81.5	70-130	
1,1-Dichloroethane	8.59		"	10.0	85.9	70-130	
1,1-Dichloroethylene	8.05		"	10.0	80.5	70-130	
1,2,4-Trichlorobenzene	5.29		"	10.0	52.9	70-130	Low Bias
1,2,4-Trimethylbenzene	8.74		"	10.0	87.4	70-130	
1,2-Dibromoethane	8.19		"	10.0	81.9	70-130	
1,2-Dichlorobenzene	10.1		"	10.0	101	70-130	
1,2-Dichloroethane	7.46		"	10.0	74.6	70-130	
1,2-Dichloropropane	7.53		"	10.0	75.3	70-130	
1,2-Dichlorotetrafluoroethane	10.7		"	10.0	107	70-130	
1,3,5-Trimethylbenzene	8.29		"	10.0	82.9	70-130	
1,3-Butadiene	8.71		"	10.0	87.1	70-130	
1,3-Dichlorobenzene	7.83		"	10.0	78.3	70-130	
1,3-Dichloropropane	7.50		"	10.0	75.0	70-130	
1,4-Dichlorobenzene	7.78		"	10.0	77.8	70-130	
1,4-Dioxane	8.04		"	10.0	80.4	70-130	
2-Butanone	7.70		"	10.0	77.0	70-130	
2-Hexanone	7.12		"	10.0	71.2	70-130	
3-Chloropropene	8.10		"	10.0	81.0	70-130	
4-Methyl-2-pentanone	6.99		"	10.0	69.9	70-130	Low Bias
Acetone	6.90		"	10.0	69.0	70-130	Low Bias
Acrylonitrile	9.06		"	10.0	90.6	70-130	
Benzene	9.10		"	10.0	91.0	70-130	
Benzyl chloride	7.79		"	10.0	77.9	70-130	
Bromodichloromethane	7.59		"	10.0	75.9	70-130	
Bromoform	9.99		"	10.0	99.9	70-130	
Bromomethane	9.38		"	10.0	93.8	70-130	
Carbon disulfide	9.84		"	10.0	98.4	70-130	



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BD40937 - EPA TO15 PREP

LCS (BD40937-BS1)

Prepared & Analyzed: 04/10/2024

Carbon tetrachloride	9.01		ppbv	10.0		90.1	70-130				
Chlorobenzene	8.41		"	10.0		84.1	70-130				
Chloroethane	9.08		"	10.0		90.8	70-130				
Chloroform	9.07		"	10.0		90.7	70-130				
Chloromethane	9.41		"	10.0		94.1	70-130				
cis-1,2-Dichloroethylene	7.18		"	10.0		71.8	70-130				
cis-1,3-Dichloropropylene	7.49		"	10.0		74.9	70-130				
Cyclohexane	8.32		"	10.0		83.2	70-130				
Dibromochloromethane	8.63		"	10.0		86.3	70-130				
Dichlorodifluoromethane	8.47		"	10.0		84.7	70-130				
Ethyl acetate	7.87		"	10.0		78.7	70-130				
Ethyl Benzene	8.40		"	10.0		84.0	70-130				
Hexachlorobutadiene	10.7		"	10.0		107	70-130				
Isopropanol	9.87		"	10.0		98.7	70-130				
Methyl Methacrylate	7.67		"	10.0		76.7	70-130				
Methyl tert-butyl ether (MTBE)	8.53		"	10.0		85.3	70-130				
Methylene chloride	8.41		"	10.0		84.1	70-130				
Naphthalene	6.10		"	10.0		61.0	70-130	Low Bias			
n-Heptane	8.48		"	10.0		84.8	70-130				
n-Hexane	8.53		"	10.0		85.3	70-130				
o-Xylene	8.68		"	10.0		86.8	70-130				
p- & m- Xylenes	17.5		"	20.0		87.6	70-130				
p-Ethyltoluene	9.15		"	10.0		91.5	70-130				
Propylene	8.50		"	10.0		85.0	70-130				
Styrene	9.17		"	10.0		91.7	70-130				
Tetrachloroethylene	8.78		"	10.0		87.8	70-130				
Tetrahydrofuran	8.04		"	10.0		80.4	70-130				
Toluene	7.78		"	10.0		77.8	70-130				
trans-1,2-Dichloroethylene	8.50		"	10.0		85.0	70-130				
trans-1,3-Dichloropropylene	7.02		"	10.0		70.2	70-130				
Trichloroethylene	7.72		"	10.0		77.2	70-130				
Trichlorofluoromethane (Freon 11)	8.89		"	10.0		88.9	70-130				
Vinyl acetate	7.64		"	10.0		76.4	70-130				
Vinyl bromide	9.95		"	10.0		99.5	70-130				
Vinyl Chloride	9.11		"	10.0		91.1	70-130				



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	Limit	Flag
Batch BD40937 - EPA TO15 PREP											
Duplicate (BD40937-DUP1)	*Source sample: 24D0037-01 (B-SS-1)							Prepared & Analyzed: 04/10/2024			
1,1,1,2-Tetrachloroethane	ND	0.0	ppbv		ND					25	
1,1,1-Trichloroethane	ND	0.0	"		ND					25	
1,1,2,2-Tetrachloroethane	ND	0.0	"		ND					25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0	"		0.52					25	
1,1,2-Trichloroethane	ND	0.0	"		ND					25	
1,1-Dichloroethane	ND	0.0	"		ND					25	
1,1-Dichloroethylene	ND	0.0	"		ND					25	
1,2,4-Trichlorobenzene	ND	0.0	"		ND					25	
1,2,4-Trimethylbenzene	ND	0.0	"		0.67					25	
1,2-Dibromoethane	ND	0.0	"		ND					25	
1,2-Dichlorobenzene	ND	0.0	"		ND					25	
1,2-Dichloroethane	ND	0.0	"		ND					25	
1,2-Dichloropropane	ND	0.0	"		ND					25	
1,2-Dichlorotetrafluoroethane	ND	0.0	"		ND					25	
1,3,5-Trimethylbenzene	ND	0.0	"		0.25					25	
1,3-Butadiene	ND	0.0	"		ND					25	
1,3-Dichlorobenzene	ND	0.0	"		ND					25	
1,3-Dichloropropane	ND	0.0	"		ND					25	
1,4-Dichlorobenzene	ND	0.0	"		ND					25	
1,4-Dioxane	ND	0.0	"		ND					25	
2-Butanone	ND	0.0	"		3.2					25	
2-Hexanone	ND	0.0	"		0.90					25	
3-Chloropropene	ND	0.0	"		ND					25	
4-Methyl-2-pentanone	ND	0.0	"		ND					25	
Acetone	ND	0.0	"		23					25	
Acrylonitrile	ND	0.0	"		ND					25	
Benzene	ND	0.0	"		0.76					25	
Benzyl chloride	ND	0.0	"		ND					25	
Bromodichloromethane	ND	0.0	"		ND					25	
Bromoform	ND	0.0	"		ND					25	
Bromomethane	ND	0.0	"		ND					25	
Carbon disulfide	ND	0.0	"		0.42					25	
Carbon tetrachloride	ND	0.0	"		0.32					25	
Chlorobenzene	ND	0.0	"		ND					25	
Chloroethane	ND	0.0	"		ND					25	
Chloroform	ND	0.0	"		0.91					25	
Chloromethane	ND	0.0	"		ND					25	
cis-1,2-Dichloroethylene	ND	0.0	"		ND					25	
cis-1,3-Dichloropropylene	ND	0.0	"		ND					25	
Cyclohexane	ND	0.0	"		0.64					25	
Dibromochloromethane	ND	0.0	"		ND					25	
Dichlorodifluoromethane	ND	0.0	"		2.1					25	
Ethyl acetate	ND	0.0	"		0.98					25	
Ethyl Benzene	ND	0.0	"		0.81					25	
Hexachlorobutadiene	ND	0.0	"		ND					25	
Isopropanol	ND	0.0	"		320					25	
Methyl Methacrylate	ND	0.0	"		1.2					25	
Methyl tert-butyl ether (MTBE)	ND	0.0	"		ND					25	
Methylene chloride	ND	0.0	"		0.94					25	
Naphthalene	ND	0.0	"		ND					25	
n-Heptane	ND	0.0	"		2.2					25	



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BD40937 - EPA TO15 PREP

Duplicate (BD40937-DUP1)		*Source sample: 24D0037-01 (B-SS-1)					Prepared & Analyzed: 04/10/2024				
n-Hexane	ND	0.0	ppbv		2.2					25	
o-Xylene	ND	0.0	"		1.1					25	
p- & m- Xylenes	ND	0.0	"		3.2					25	
p-Ethyltoluene	ND	0.0	"		0.67					25	
Propylene	ND	0.0	"		ND					25	
Styrene	ND	0.0	"		0.58					25	
Tetrachloroethylene	ND	0.0	"		0.81					25	
Tetrahydrofuran	ND	0.0	"		2.9					25	
Toluene	ND	0.0	"		16					25	
trans-1,2-Dichloroethylene	ND	0.0	"		ND					25	
trans-1,3-Dichloropropylene	ND	0.0	"		ND					25	
Trichloroethylene	ND	0.0	"		ND					25	
Trichlorofluoromethane (Freon 11)	ND	0.0	"		1.0					25	
Vinyl acetate	ND	0.0	"		ND					25	
Vinyl bromide	ND	0.0	"		ND					25	
Vinyl Chloride	ND	0.0	"		ND					25	

Batch BD40939 - EPA TO15 PREP

Blank (BD40939-BLK1)							Prepared & Analyzed: 04/10/2024				
2,2,4-Trimethylpentane	ND	0.00	ppbv								
LCS (BD40939-BS1)							Prepared & Analyzed: 04/10/2024				
2,2,4-Trimethylpentane	ND	0.00	ppbv				70-130				
Duplicate (BD40939-DUP1)		*Source sample: 24D0037-01 (B-SS-1)					Prepared & Analyzed: 04/10/2024				
2,2,4-Trimethylpentane	ND	0.00	ppbv		ND					25	



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BD40942 - EPA TO15 PREP

Blank (BD40942-BLK1)

Prepared & Analyzed: 04/10/2024

1,1,1,2-Tetrachloroethane	ND	0.0	ppbv
1,1,1-Trichloroethane	ND	0.0	"
1,1,2,2-Tetrachloroethane	ND	0.0	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0	"
1,1,2-Trichloroethane	ND	0.0	"
1,1-Dichloroethane	ND	0.0	"
1,1-Dichloroethylene	ND	0.0	"
1,2,4-Trichlorobenzene	ND	0.0	"
1,2,4-Trimethylbenzene	ND	0.0	"
1,2-Dibromoethane	ND	0.0	"
1,2-Dichlorobenzene	ND	0.0	"
1,2-Dichloroethane	ND	0.0	"
1,2-Dichloropropane	ND	0.0	"
1,2-Dichlorotetrafluoroethane	ND	0.0	"
1,3,5-Trimethylbenzene	ND	0.0	"
1,3-Butadiene	ND	0.0	"
1,3-Dichlorobenzene	ND	0.0	"
1,3-Dichloropropane	ND	0.0	"
1,4-Dichlorobenzene	ND	0.0	"
1,4-Dioxane	ND	0.0	"
2-Butanone	ND	0.0	"
2-Hexanone	ND	0.0	"
3-Chloropropene	ND	0.0	"
4-Methyl-2-pentanone	ND	0.0	"
Acetone	ND	0.0	"
Acrylonitrile	ND	0.0	"
Benzene	ND	0.0	"
Benzyl chloride	ND	0.0	"
Bromodichloromethane	ND	0.0	"
Bromoform	ND	0.0	"
Bromomethane	ND	0.0	"
Carbon disulfide	ND	0.0	"
Carbon tetrachloride	ND	0.0	"
Chlorobenzene	ND	0.0	"
Chloroethane	ND	0.0	"
Chloroform	ND	0.0	"
Chloromethane	ND	0.0	"
cis-1,2-Dichloroethylene	ND	0.0	"
cis-1,3-Dichloropropylene	ND	0.0	"
Cyclohexane	ND	0.0	"
Dibromochloromethane	ND	0.0	"
Dichlorodifluoromethane	ND	0.0	"
Ethyl acetate	ND	0.0	"
Ethyl Benzene	ND	0.0	"
Hexachlorobutadiene	ND	0.0	"
Isopropanol	ND	0.0	"
Methyl Methacrylate	ND	0.0	"
Methyl tert-butyl ether (MTBE)	ND	0.0	"
Methylene chloride	ND	0.0	"
Naphthalene	ND	0.0	"
n-Heptane	ND	0.0	"





Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BD40942 - EPA TO15 PREP

Blank (BD40942-BLK1)

Prepared & Analyzed: 04/10/2024

n-Hexane	ND	0.0	ppbv
o-Xylene	ND	0.0	"
p- & m- Xylenes	ND	0.0	"
p-Ethyltoluene	ND	0.0	"
Propylene	ND	0.0	"
Styrene	ND	0.0	"
Tetrachloroethylene	ND	0.0	"
Tetrahydrofuran	ND	0.0	"
Toluene	ND	0.0	"
trans-1,2-Dichloroethylene	ND	0.0	"
trans-1,3-Dichloropropylene	ND	0.0	"
Trichloroethylene	ND	0.0	"
Trichlorofluoromethane (Freon 11)	ND	0.0	"
Vinyl acetate	ND	0.0	"
Vinyl bromide	ND	0.0	"
Vinyl Chloride	ND	0.0	"

LCS (BD40942-BS1)

Prepared & Analyzed: 04/10/2024

1,1,1,2-Tetrachloroethane	9.62		ppbv	10.0	96.2	70-130
1,1,1-Trichloroethane	10.0		"	10.0	100	70-130
1,1,2,2-Tetrachloroethane	10.6		"	10.0	106	70-130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.20		"	10.0	92.0	70-130
1,1,2-Trichloroethane	10.6		"	10.0	106	70-130
1,1-Dichloroethane	9.17		"	10.0	91.7	70-130
1,1-Dichloroethylene	9.20		"	10.0	92.0	70-130
1,2,4-Trichlorobenzene	12.9		"	10.0	129	70-130
1,2,4-Trimethylbenzene	11.4		"	10.0	114	70-130
1,2-Dibromoethane	11.8		"	10.0	118	70-130
1,2-Dichlorobenzene	11.9		"	10.0	119	70-130
1,2-Dichloroethane	10.8		"	10.0	108	70-130
1,2-Dichloropropane	9.49		"	10.0	94.9	70-130
1,2-Dichlorotetrafluoroethane	11.0		"	10.0	110	70-130
1,3,5-Trimethylbenzene	10.6		"	10.0	106	70-130
1,3-Butadiene	11.4		"	10.0	114	70-130
1,3-Dichlorobenzene	11.9		"	10.0	119	70-130
1,3-Dichloropropane	11.2		"	10.0	112	70-130
1,4-Dichlorobenzene	12.2		"	10.0	122	70-130
1,4-Dioxane	10.1		"	10.0	101	70-130
2-Butanone	9.64		"	10.0	96.4	70-130
2-Hexanone	12.1		"	10.0	121	70-130
3-Chloropropene	8.35		"	10.0	83.5	70-130
4-Methyl-2-pentanone	11.4		"	10.0	114	70-130
Acetone	8.73		"	10.0	87.3	70-130
Acrylonitrile	9.44		"	10.0	94.4	70-130
Benzene	8.39		"	10.0	83.9	70-130
Benzyl chloride	13.0		"	10.0	130	70-130
Bromodichloromethane	11.6		"	10.0	116	70-130
Bromoform	11.4		"	10.0	114	70-130
Bromomethane	9.32		"	10.0	93.2	70-130
Carbon disulfide	9.01		"	10.0	90.1	70-130
Carbon tetrachloride	8.95		"	10.0	89.5	70-130



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BD40942 - EPA TO15 PREP

LCS (BD40942-BS1)

Prepared & Analyzed: 04/10/2024

Chlorobenzene	9.18		ppbv	10.0		91.8	70-130				
Chloroethane	8.11		"	10.0		81.1	70-130				
Chloroform	9.97		"	10.0		99.7	70-130				
Chloromethane	12.0		"	10.0		120	70-130				
cis-1,2-Dichloroethylene	9.88		"	10.0		98.8	70-130				
cis-1,3-Dichloropropylene	10.4		"	10.0		104	70-130				
Cyclohexane	8.68		"	10.0		86.8	70-130				
Dibromochloromethane	11.8		"	10.0		118	70-130				
Dichlorodifluoromethane	10.8		"	10.0		108	70-130				
Ethyl acetate	9.71		"	10.0		97.1	70-130				
Ethyl Benzene	9.70		"	10.0		97.0	70-130				
Hexachlorobutadiene	11.4		"	10.0		114	70-130				
Isopropanol	9.77		"	10.0		97.7	70-130				
Methyl Methacrylate	10.5		"	10.0		105	70-130				
Methyl tert-butyl ether (MTBE)	9.29		"	10.0		92.9	70-130				
Methylene chloride	8.86		"	10.0		88.6	70-130				
Naphthalene	12.0		"	10.0		120	70-130				
n-Heptane	9.64		"	10.0		96.4	70-130				
n-Hexane	8.36		"	10.0		83.6	70-130				
o-Xylene	10.3		"	10.0		103	70-130				
p- & m- Xylenes	20.5		"	20.0		102	70-130				
p-Ethyltoluene	12.1		"	10.0		121	70-130				
Propylene	8.74		"	10.0		87.4	70-130				
Styrene	10.6		"	10.0		106	70-130				
Tetrachloroethylene	10.5		"	10.0		105	70-130				
Tetrahydrofuran	9.18		"	10.0		91.8	70-130				
Toluene	10.4		"	10.0		104	70-130				
trans-1,2-Dichloroethylene	9.55		"	10.0		95.5	70-130				
trans-1,3-Dichloropropylene	11.3		"	10.0		113	70-130				
Trichloroethylene	10.5		"	10.0		105	70-130				
Trichlorofluoromethane (Freon 11)	10.8		"	10.0		108	70-130				
Vinyl acetate	8.07		"	10.0		80.7	70-130				
Vinyl bromide	8.99		"	10.0		89.9	70-130				
Vinyl Chloride	13.6		"	10.0		136	70-130	High Bias			



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	Limit	Flag

Batch BD40942 - EPA TO15 PREP

Duplicate (BD40942-DUP1)	*Source sample: 24D0037-02 (B-SS-2)					Prepared & Analyzed: 04/10/2024					
1,1,1,2-Tetrachloroethane	ND	0.0	ppbv		ND					25	
1,1,1-Trichloroethane	ND	0.0	"		ND					25	
1,1,2,2-Tetrachloroethane	ND	0.0	"		ND					25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0	"		ND					25	
1,1,2-Trichloroethane	ND	0.0	"		ND					25	
1,1-Dichloroethane	ND	0.0	"		ND					25	
1,1-Dichloroethylene	ND	0.0	"		ND					25	
1,2,4-Trichlorobenzene	ND	0.0	"		1.2					25	
1,2,4-Trimethylbenzene	ND	0.0	"		1.3					25	
1,2-Dibromoethane	ND	0.0	"		ND					25	
1,2-Dichlorobenzene	ND	0.0	"		0.20					25	
1,2-Dichloroethane	ND	0.0	"		ND					25	
1,2-Dichloropropane	ND	0.0	"		ND					25	
1,2-Dichlorotetrafluoroethane	ND	0.0	"		ND					25	
1,3,5-Trimethylbenzene	ND	0.0	"		0.24					25	
1,3-Butadiene	ND	0.0	"		ND					25	
1,3-Dichlorobenzene	ND	0.0	"		0.20					25	
1,3-Dichloropropane	ND	0.0	"		ND					25	
1,4-Dichlorobenzene	ND	0.0	"		ND					25	
1,4-Dioxane	ND	0.0	"		ND					25	
2-Butanone	ND	0.0	"		4.8					25	
2-Hexanone	ND	0.0	"		1.5					25	
3-Chloropropene	ND	0.0	"		ND					25	
4-Methyl-2-pentanone	ND	0.0	"		ND					25	
Acetone	ND	0.0	"		49					25	
Acrylonitrile	ND	0.0	"		ND					25	
Benzene	ND	0.0	"		0.99					25	
Benzyl chloride	ND	0.0	"		ND					25	
Bromodichloromethane	ND	0.0	"		ND					25	
Bromoform	ND	0.0	"		ND					25	
Bromomethane	ND	0.0	"		ND					25	
Carbon disulfide	ND	0.0	"		ND					25	
Carbon tetrachloride	ND	0.0	"		0.31					25	
Chlorobenzene	ND	0.0	"		ND					25	
Chloroethane	ND	0.0	"		ND					25	
Chloroform	ND	0.0	"		5.0					25	
Chloromethane	ND	0.0	"		ND					25	
cis-1,2-Dichloroethylene	ND	0.0	"		ND					25	
cis-1,3-Dichloropropylene	ND	0.0	"		ND					25	
Cyclohexane	ND	0.0	"		0.28					25	
Dibromochloromethane	ND	0.0	"		ND					25	
Dichlorodifluoromethane	ND	0.0	"		2.5					25	
Ethyl acetate	ND	0.0	"		1.0					25	
Ethyl Benzene	ND	0.0	"		0.93					25	
Hexachlorobutadiene	ND	0.0	"		0.52					25	
Isopropanol	ND	0.0	"		320					25	
Methyl Methacrylate	ND	0.0	"		ND					25	
Methyl tert-butyl ether (MTBE)	ND	0.0	"		ND					25	
Methylene chloride	ND	0.0	"		ND					25	
Naphthalene	ND	0.0	"		1.8					25	
n-Heptane	ND	0.0	"		1.0					25	



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BD40942 - EPA TO15 PREP

Duplicate (BD40942-DUP1)		*Source sample: 24D0037-02 (B-SS-2)						Prepared & Analyzed: 04/10/2024			
n-Hexane	ND	0.0	ppbv		ND					25	
o-Xylene	ND	0.0	"		1.3					25	
p- & m- Xylenes	ND	0.0	"		3.5					25	
p-Ethyltoluene	ND	0.0	"		0.64					25	
Propylene	ND	0.0	"		3.6					25	
Styrene	ND	0.0	"		0.63					25	
Tetrachloroethylene	ND	0.0	"		1.4					25	
Tetrahydrofuran	ND	0.0	"		2.4					25	
Toluene	ND	0.0	"		9.1					25	
trans-1,2-Dichloroethylene	ND	0.0	"		ND					25	
trans-1,3-Dichloropropylene	ND	0.0	"		ND					25	
Trichloroethylene	ND	0.0	"		0.70					25	
Trichlorofluoromethane (Freon 11)	ND	0.0	"		1.3					25	
Vinyl acetate	ND	0.0	"		ND					25	
Vinyl bromide	ND	0.0	"		ND					25	
Vinyl Chloride	ND	0.0	"		ND					25	

Batch BD40943 - EPA TO15 PREP

Blank (BD40943-BLK1)								Prepared & Analyzed: 04/10/2024			
2,2,4-Trimethylpentane	ND	0.00	ppbv								
LCS (BD40943-BS1)								Prepared & Analyzed: 04/10/2024			
2,2,4-Trimethylpentane	ND	0.00	ppbv				70-130				
Duplicate (BD40943-DUP1)		*Source sample: 24D0037-02 (B-SS-2)						Prepared & Analyzed: 04/10/2024			
2,2,4-Trimethylpentane	ND	0.00	ppbv		0.153					25	





Sample and Data Qualifiers Relating to This Work Order

TO-LCS-L	The result reported for this compound may be biased low due to its behavior in the analysis batch LCS where it recovered less 70% of the expected value.
TO-IPA	The value for isopropanol is estimated. Dilutions are not conducted for this species as not to preclude actionable analytes by dilution.
ICVE	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.



Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Revision Description: This report has been revised to report results in ppbv.



York Analytical Laboratories, Inc.
120 Research Drive
Stratford, CT 06615



clientservices@yorklab.com
www.yorklab.com

Field Chain-of-Custody Record - AIR

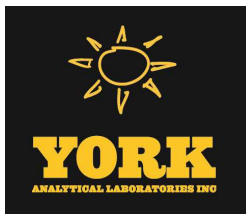
NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document. This document serves as your written authorization for YORK to proceed with the analyses requested below. signature binds you to YORK's Standard Terms & Conditions.

YORK Project No.
240037

Your

Page 1 of

YOUR INFORMATION		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company:	HRP Associates Inc.	Company:		Company:		NEWG313.RA		RUSH - Next Day	
Address:	1120 New York Ave Suite 110	Address:		Address:		YOUR Project Name		RUSH - Two Day	
City/State/Zip:	Clifton Park, NY 12065	City/State/Zip:		City/State/Zip:		340-352 Liberty Street		RUSH - Three Day	
Phone:	518 877 7101	Phone:		Phone:		YOUR PO#:		RUSH - Four Day	
Contact:	William Jackson	Contact:		Contact:				Standard (5-7 Day)	
E-mail:	william.jackson@hrpassociates.com	E-mail:		E-mail:					
Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.		Air Matrix Codes		Samples From		Report / EDD Type (circle selections)		YORK Reg. Comp.	
AI - Indoor Ambient Air		New York		Summary Report		Standard Excel EDD		Compared to the following Regulation(s): (please fill in)	
AO - Outdoor Ambient Air		New Jersey		QA Report		CT RCP DQADUE		ANSPOH	
AE - Vapor Extraction Well/Process Gas/Effluent		Connecticut		NY ASP A Package		NJDEP Reduced Deliv.		Division	
AS - Soil Vapor/Sub-Slab		Pennsylvania		NY ASP B Package		NJDEP SRP Haz-Site		Machines	
Other				Other					
Samples Collected by: (print your name above and sign below)		Elliott Jackson		Whitfield					
Certified Canisters: Batch		Individual		Please enter the following REQUIRED Field Data		Reporting Units: ug/m ³ X ppbv ___ ppmv ___			
Sample Identification	Date/Time Sampled	Air Matrix	Canister Vacuum Before Sampling (in Hg)	Canister Vacuum After Sampling (in Hg)	Canister ID	Flow Cont. ID	Analysis Requested		
BSS-1	3/28/14 5:30-7:00 AM	AS	-30	-6	23200	19380	T0-15		
BSS-2	3/28/14 5:30-7:00 AM	AS	-30	-6	42999	7077			
B-IA-1	3/28/14 5:30-7:00 AM	A1	-29	0	49995	19393			
B-IA-1-DUP	3/28/14 5:30-7:00 AM	A1	-30	-6	28318	6873			
B-IAZ	3/28/14 5:30-7:00 AM	A1	-30	-6	42994	19431			
OA-3-28-24	3/28/14 5:30-7:00 AM	AO	-30	-6	48275	20124			
Comments: Please send copy to Ted.Wall@hrpassociates.com									
Detection Limits Required		Detection Limits Required		Detection Limits Required		Detection Limits Required		Sampling Media	
≤ 1 ug/m ³		NYSDEC V1 Limits		NYSDEC V1 Limits		NYSDEC V1 Limits		6 Liter Canister	
Routine Survey		Other		Other		Other		Tedlar Bag	
Samples Relinquished by / Company		Date/Time		Date/Time		Date/Time		Date/Time	
4/1/24 10:50		4/1/24 10:50		4/1/24 10:50		4/1/24 10:50		4/1/24 10:50	
4/1/24 14:50		4/1/24 14:50		4/1/24 14:50		4/1/24 14:50		4/1/24 14:50	
4/2/24 16:25		4/2/24 16:25		4/2/24 16:25		4/2/24 16:25		4/2/24 16:25	



Technical Report

prepared for:

HRP Associates, Inc.
1 Fairchild Square, Suite 110
Clifton Park NY, 12065
Attention: Patrick Montuori

Report Date: 04/30/2024
Client Project ID: NEW6313. RA 350-352 Liberty Street
York Project (SDG) No.: 24D1533



CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037

New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

Report Date: 04/30/2024
Client Project ID: NEW6313. RA 350-352 Liberty Street
York Project (SDG) No.: 24D1533

HRP Associates, Inc.
1 Fairchild Square, Suite 110
Clifton Park NY, 12065
Attention: Patrick Montuori

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on April 24, 2024 and listed below. The project was identified as your project: **NEW6313. RA 350-352 Liberty Street.**

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
24D1533-01	MW-104_4.18.24	Ground Water	04/18/2024	04/24/2024
24D1533-02	DUP	Ground Water	04/18/2024	04/24/2024
24D1533-03	Equipment Blank	Ground Water	04/18/2024	04/24/2024
24D1533-04	Field Blank	Ground Water	04/18/2024	04/24/2024

General Notes for York Project (SDG) No.: 24D1533

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

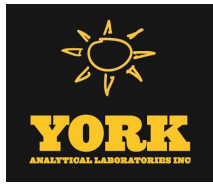
Approved By:



Cassie L. Mosher
Laboratory Manager

Date: 04/30/2024





Sample Information

Client Sample ID: MW-104_4.18.24

York Sample ID: 24D1533-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1533

NEW6313. RA 350-352 Liberty Street

Ground Water

April 18, 2024 2:05 pm

04/24/2024

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270E SIM Certifications: NJDEP-CT005,NELAC-NY10854	04/25/2024 08:06	04/26/2024 18:09	SS
Surrogate Recoveries		Result		Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	56.4 %		36.6-118						

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	29.4		ng/L	0.431	1.62	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 14:09	ER
307-24-4	Perfluorohexanoic acid (PFHxA)	19.0		ng/L	0.321	1.83	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 14:09	ER
375-85-9	Perfluoroheptanoic acid (PFHpA)	6.85	PF-CCV -L	ng/L	0.651	1.83	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 14:09	ER
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	6.05		ng/L	0.623	1.68	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 14:09	ER
335-67-1	Perfluorooctanoic acid (PFOA)	24.8		ng/L	0.385	1.83	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 14:09	ER
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	30.7		ng/L	0.751	1.70	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 14:09	ER
375-95-1	Perfluorononanoic acid (PFNA)	2.83		ng/L	0.476	1.83	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 14:09	ER
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.687	1.83	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 14:09	ER
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.04	1.83	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 14:09	ER
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.806	1.83	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 14:09	ER
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	ND		ng/L	0.678	1.83	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 14:09	ER
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.632	1.83	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/29/2024 13:32	04/30/2024 14:09	ER
2355-31-9	N-MeFOSAA	ND		ng/L	0.724	1.83	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 14:09	ER
2991-50-6	N-EtFOSAA	ND		ng/L	0.944	1.83	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 14:09	ER
2706-90-3	Perfluoropentanoic acid (PFPeA)	16.1		ng/L	0.211	3.67	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 14:09	ER
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.806	1.83	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/29/2024 13:32	04/30/2024 14:09	ER



Sample Information

Client Sample ID: MW-104_4.18.24

York Sample ID: 24D1533-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1533

NEW6313. RA 350-352 Liberty Street

Ground Water

April 18, 2024 2:05 pm

04/24/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.834	1.75	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/29/2024 13:32	04/30/2024 14:09	ER
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.21	1.77	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/29/2024 13:32	04/30/2024 14:09	ER
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	0.971	6.96	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 14:09	ER
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.88	7.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 14:09	ER
375-22-4	Perfluoro-n-butanoic acid (PFBA)	10.8		ng/L	0.302	7.33	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 14:09	ER
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	ND		ng/L	0.458	3.26	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/29/2024 13:32	04/30/2024 14:09	ER
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	1.96	3.67	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/29/2024 13:32	04/30/2024 14:09	ER
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND	PF-LCS -L	ng/L	0.229	3.67	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/29/2024 13:32	04/30/2024 14:09	ER
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.339	3.67	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/29/2024 13:32	04/30/2024 14:09	ER
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	0.963	J	ng/L	0.696	1.72	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 14:09	ER
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.64	6.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 14:09	ER
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	2.96	7.33	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 14:09	ER
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.26	6.93	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 14:09	ER
756426-58-1	9CL-PF3ONS	ND		ng/L	0.641	6.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 14:09	ER
919005-14-4	ADONA	ND		ng/L	0.486	6.93	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 14:09	ER
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.852	1.78	1	EPA 1633 Draft 3 Certifications:	04/29/2024 13:32	04/30/2024 14:09	ER
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.788	1.76	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/29/2024 13:32	04/30/2024 14:09	ER
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND	PF-CCV -L	ng/L	1.86	4.58	1	EPA 1633 Draft 3 Certifications:	04/29/2024 13:32	04/30/2024 14:09	ER
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND	PF-CCV -L	ng/L	6.72	22.9	1	EPA 1633 Draft 3 Certifications:	04/29/2024 13:32	04/30/2024 14:09	ER
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	8.68	22.9	1	EPA 1633 Draft 3 Certifications:	04/29/2024 13:32	04/30/2024 14:09	ER
24448-09-7	* N-MeFOSE	ND		ng/L	3.66	18.3	1	EPA 1633 Draft 3 Certifications:	04/29/2024 13:32	04/30/2024 14:09	ER
31506-32-8	* N-MeFOSA	ND		ng/L	1.45	1.83	1	EPA 1633 Draft 3 Certifications:	04/29/2024 13:32	04/30/2024 14:09	ER



Sample Information

Client Sample ID: MW-104_4.18.24

York Sample ID: 24D1533-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1533

NEW6313. RA 350-352 Liberty Street

Ground Water

April 18, 2024 2:05 pm

04/24/2024

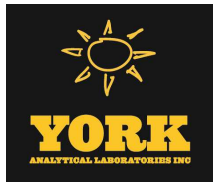
PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1691-99-2	* N-EtFOSE	ND		ng/L	3.66	18.3	1	EPA 1633 Draft 3 Certifications:	04/29/2024 13:32	04/30/2024 14:09	ER
4151-50-2	* N-EtFOSA	ND		ng/L	1.65	1.83	1	EPA 1633 Draft 3 Certifications:	04/29/2024 13:32	04/30/2024 14:09	ER
Surrogate Recoveries		Result	Acceptance Range								
Surrogate: M3PFBS		95.8 %	25-150								
Surrogate: M5PFHxA		93.4 %	25-150								
Surrogate: M4PFHpA		151 %	PFSu-H	25-150							
Surrogate: M3PFHxS		94.8 %	25-150								
Surrogate: Perfluoro-n-[13C8]octanoic aci		92.6 %	25-150								
Surrogate: M6PFDA		88.3 %	25-150								
Surrogate: M7PFUdA		82.8 %	25-150								
Surrogate: Perfluoro-n-[1,2-13C2]dodecan		60.7 %	25-150								
Surrogate: M2PFTeDA		73.3 %	10-150								
Surrogate: Perfluoro-n-[13C4]butanoic aci		56.7 %	25-150								
Surrogate: Perfluoro-1-[13C8]octanesulfor		91.1 %	25-150								
Surrogate: Perfluoro-n-[13C5]pentanoic ac		98.6 %	25-150								
Surrogate: Perfluoro-1-[13C8]octanesulfor		59.7 %	10-150								
Surrogate: d3-N-MeFOSAA		59.8 %	25-150								
Surrogate: d5-N-EtFOSAA		64.6 %	25-150								
Surrogate: M2-6:2 FTS		153 %	25-200								
Surrogate: M2-8:2 FTS		78.4 %	25-200								
Surrogate: M9PFNA		86.1 %	25-150								
Surrogate: M2-4:2 FTS		223 %	PFSu-H	25-150							
Surrogate: d-N-MeFOSA		28.4 %	25-150								
Surrogate: d-N-EtFOSA		23.6 %	PFSu-L	25-150							
Surrogate: M3HFPO-DA		54.9 %	25-150								
Surrogate: d9-N-EtFOSE		55.0 %	25-150								
Surrogate: d7-N-MeFOSE		61.6 %	25-150								



Sample Information

Client Sample ID: DUP

York Sample ID: 24D1533-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1533

NEW6313. RA 350-352 Liberty Street

Ground Water

April 18, 2024 3:00 pm

04/24/2024

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270E SIM Certifications: NJDEP-CT005,NELAC-NY10854	04/25/2024 08:06	04/26/2024 15:31	SS
	Surrogate Recoveries	Result					Acceptance Range			
17647-74-4	Surrogate: 1,4-Dioxane-d8	51.4 %					36.6-118			

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	28.5		ng/L	0.461	1.73	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:31	ER
307-24-4	Perfluorohexanoic acid (PFHxA)	19.6		ng/L	0.343	1.96	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:31	ER
375-85-9	Perfluoroheptanoic acid (PFHpA)	6.45	PF-CCV -L	ng/L	0.696	1.96	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:31	ER
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	5.71		ng/L	0.666	1.79	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:31	ER
335-67-1	Perfluorooctanoic acid (PFOA)	29.4		ng/L	0.412	1.96	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:31	ER
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	10.1		ng/L	0.803	1.82	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:31	ER
375-95-1	Perfluorononanoic acid (PFNA)	2.19		ng/L	0.510	1.96	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:31	ER
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.735	1.96	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:31	ER
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.11	1.96	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:31	ER
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.862	1.96	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:31	ER
72629-94-8	Perfluorotridecanoic acid (PFTriDA)	ND		ng/L	0.725	1.96	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:31	ER
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.676	1.96	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:31	ER
2355-31-9	N-MeFOSAA	ND		ng/L	0.774	1.96	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:31	ER
2991-50-6	N-EtFOSAA	ND		ng/L	1.01	1.96	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:31	ER
2706-90-3	Perfluoropentanoic acid (PFPeA)	15.9		ng/L	0.225	3.92	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:31	ER
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.862	1.96	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:31	ER



Sample Information

Client Sample ID: DUP

York Sample ID: 24D1533-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1533

NEW6313. RA 350-352 Liberty Street

Ground Water

April 18, 2024 3:00 pm

04/24/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.892	1.87	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:31	ER
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.29	1.89	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:31	ER
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	1.04	7.45	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:31	ER
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.01	7.52	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:31	ER
375-22-4	Perfluoro-n-butanoic acid (PFBA)	10.5		ng/L	0.323	7.84	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:31	ER
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	ND		ng/L	0.490	3.49	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/29/2024 13:32	04/30/2024 15:31	ER
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	2.10	3.92	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/29/2024 13:32	04/30/2024 15:31	ER
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.245	3.92	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/29/2024 13:32	04/30/2024 15:31	ER
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.363	3.92	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/29/2024 13:32	04/30/2024 15:31	ER
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	1.23	J	ng/L	0.745	1.84	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:31	ER
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.75	7.35	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:31	ER
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.16	7.84	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:31	ER
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.35	7.41	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:31	ER
756426-58-1	9CL-PF3ONS	ND		ng/L	0.686	7.33	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:31	ER
919005-14-4	ADONA	ND		ng/L	0.519	7.41	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:31	ER
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.911	1.90	1	EPA 1633 Draft 3 Certifications:	04/29/2024 13:32	04/30/2024 15:31	ER
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.843	1.88	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:31	ER
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND	PF-CCV -L	ng/L	1.99	4.90	1	EPA 1633 Draft 3 Certifications:	04/29/2024 13:32	04/30/2024 15:31	ER
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND	PF-CCV -L	ng/L	7.18	24.5	1	EPA 1633 Draft 3 Certifications:	04/29/2024 13:32	04/30/2024 15:31	ER
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	9.28	24.5	1	EPA 1633 Draft 3 Certifications:	04/29/2024 13:32	04/30/2024 15:31	ER
24448-09-7	* N-MeFOSE	ND		ng/L	3.91	19.6	1	EPA 1633 Draft 3 Certifications:	04/29/2024 13:32	04/30/2024 15:31	ER
31506-32-8	* N-MeFOSA	ND		ng/L	1.55	1.96	1	EPA 1633 Draft 3 Certifications:	04/29/2024 13:32	04/30/2024 15:31	ER



Sample Information

Client Sample ID: DUP

York Sample ID: 24D1533-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1533

NEW6313. RA 350-352 Liberty Street

Ground Water

April 18, 2024 3:00 pm

04/24/2024

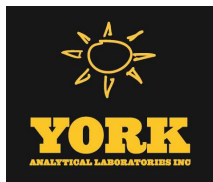
PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1691-99-2	* N-EtFOSE	ND		ng/L	3.91	19.6	1	EPA 1633 Draft 3 Certifications:	04/29/2024 13:32	04/30/2024 15:31	ER
4151-50-2	* N-EtFOSA	ND		ng/L	1.76	1.96	1	EPA 1633 Draft 3 Certifications:	04/29/2024 13:32	04/30/2024 15:31	ER
Surrogate Recoveries		Result	Acceptance Range								
Surrogate: M3PFBS		109 %	25-150								
Surrogate: M5PFHxA		88.6 %	25-150								
Surrogate: M4PFHpA		135 %	25-150								
Surrogate: M3PFHxS		101 %	25-150								
Surrogate: Perfluoro-n-[13C8]octanoic aci		71.6 %	25-150								
Surrogate: M6PFDA		85.3 %	25-150								
Surrogate: M7PFUdA		84.7 %	25-150								
Surrogate: Perfluoro-n-[1,2-13C2]dodecan		56.6 %	25-150								
Surrogate: M2PFTeDA		52.8 %	10-150								
Surrogate: Perfluoro-n-[13C4]butanoic aci		52.6 %	25-150								
Surrogate: Perfluoro-1-[13C8]octanesulfor		91.4 %	25-150								
Surrogate: Perfluoro-n-[13C5]pentanoic ac		94.3 %	25-150								
Surrogate: Perfluoro-1-[13C8]octanesulfor		60.1 %	10-150								
Surrogate: d3-N-MeFOSAA		52.2 %	25-150								
Surrogate: d5-N-EtFOSAA		51.0 %	25-150								
Surrogate: M2-6:2 FTS		115 %	25-200								
Surrogate: M2-8:2 FTS		89.7 %	25-200								
Surrogate: M9PFNA		87.6 %	25-150								
Surrogate: M2-4:2 FTS		217 %	PFSu-H	25-150							
Surrogate: d-N-MeFOSA		14.8 %	PFSu-L	25-150							
Surrogate: d-N-EtFOSA		10.8 %	PFSu-L	25-150							
Surrogate: M3HFPO-DA		38.7 %	25-150								
Surrogate: d9-N-EtFOSE		26.6 %	25-150								
Surrogate: d7-N-MeFOSE		35.0 %	25-150								



Sample Information

Client Sample ID: Equipment Blank

York Sample ID: 24D1533-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1533

NEW6313. RA 350-352 Liberty Street

Ground Water

April 18, 2024 5:30 pm

04/24/2024

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270E SIM Certifications: NJDEP-CT005,NELAC-NY10854	04/25/2024 08:06	04/26/2024 18:43	SS
Surrogate Recoveries		Result		Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	48.3 %		36.6-118						

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	0.470	1.77	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:47	ER
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ng/L	0.350	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:47	ER
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND	PF-CCV -L	ng/L	0.709	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:47	ER
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	0.679	1.83	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:47	ER
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	0.420	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:47	ER
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.856	J	ng/L	0.819	1.86	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:47	ER
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.519	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:47	ER
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.749	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:47	ER
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.13	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:47	ER
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.879	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:47	ER
72629-94-8	Perfluorotridecanoic acid (PFTriDA)	ND		ng/L	0.739	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:47	ER
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.689	2.00	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:47	ER
2355-31-9	N-MeFOSAA	ND		ng/L	0.789	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:47	ER
2991-50-6	N-EtFOSAA	ND		ng/L	1.03	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:47	ER
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.263	J	ng/L	0.230	4.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:47	ER
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.879	2.00	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:47	ER



Sample Information

Client Sample ID: Equipment Blank

York Sample ID: 24D1533-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1533

NEW6313. RA 350-352 Liberty Street

Ground Water

April 18, 2024 5:30 pm

04/24/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.909	1.91	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:47	ER
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.32	1.93	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:47	ER
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	1.06	7.59	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:47	ER
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.05	7.67	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:47	ER
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.330	7.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:47	ER
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEISA)	ND		ng/L	0.500	3.56	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/29/2024 13:32	04/30/2024 15:47	ER
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	2.14	4.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/29/2024 13:32	04/30/2024 15:47	ER
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.250	4.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/29/2024 13:32	04/30/2024 15:47	ER
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.370	4.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/29/2024 13:32	04/30/2024 15:47	ER
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.759	1.88	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:47	ER
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.79	7.49	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:47	ER
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.23	7.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:47	ER
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.38	7.55	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:47	ER
756426-58-1	9CL-PF3ONS	ND		ng/L	0.699	7.47	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:47	ER
919005-14-4	ADONA	ND		ng/L	0.529	7.55	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:47	ER
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.929	1.94	1	EPA 1633 Draft 3 Certifications:	04/29/2024 13:32	04/30/2024 15:47	ER
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.859	1.92	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:47	ER
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND	PF-CCV -L	ng/L	2.03	5.00	1	EPA 1633 Draft 3 Certifications:	04/29/2024 13:32	04/30/2024 15:47	ER
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND	PF-CCV -L	ng/L	7.32	25.0	1	EPA 1633 Draft 3 Certifications:	04/29/2024 13:32	04/30/2024 15:47	ER
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	9.46	25.0	1	EPA 1633 Draft 3 Certifications:	04/29/2024 13:32	04/30/2024 15:47	ER
24448-09-7	* N-MeFOSE	ND		ng/L	3.99	20.0	1	EPA 1633 Draft 3 Certifications:	04/29/2024 13:32	04/30/2024 15:47	ER
31506-32-8	* N-MeFOSA	ND		ng/L	1.58	2.00	1	EPA 1633 Draft 3 Certifications:	04/29/2024 13:32	04/30/2024 15:47	ER



Sample Information

Client Sample ID: Equipment Blank

York Sample ID: 24D1533-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1533

NEW6313. RA 350-352 Liberty Street

Ground Water

April 18, 2024 5:30 pm

04/24/2024

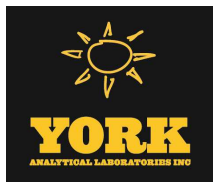
PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1691-99-2	* N-EtFOSE	ND		ng/L	3.99	20.0	1	EPA 1633 Draft 3 Certifications:	04/29/2024 13:32	04/30/2024 15:47	ER
4151-50-2	* N-EtFOSA	ND		ng/L	1.80	2.00	1	EPA 1633 Draft 3 Certifications:	04/29/2024 13:32	04/30/2024 15:47	ER
Surrogate Recoveries		Result	Acceptance Range								
Surrogate: M3PFBS		53.4 %	25-150								
Surrogate: M5PFHxA		59.8 %	25-150								
Surrogate: M4PFHpA		105 %	25-150								
Surrogate: M3PFHxS		71.8 %	25-150								
Surrogate: Perfluoro-n-[13C8]octanoic aci		61.5 %	25-150								
Surrogate: M6PFDA		64.7 %	25-150								
Surrogate: M7PFUdA		66.2 %	25-150								
Surrogate: Perfluoro-n-[1,2-13C2]dodecan		48.2 %	25-150								
Surrogate: M2PFTeDA		50.5 %	10-150								
Surrogate: Perfluoro-n-[13C4]butanoic aci		2.97 %	PFSu-L	25-150							
Surrogate: Perfluoro-1-[13C8]octanesulfor		82.2 %		25-150							
Surrogate: Perfluoro-n-[13C5]pentanoic aci		23.0 %	PFSu-L	25-150							
Surrogate: Perfluoro-1-[13C8]octanesulfor		55.3 %		10-150							
Surrogate: d3-N-MeFOSAA		56.1 %	25-150								
Surrogate: d5-N-EtFOSAA		54.2 %	25-150								
Surrogate: M2-6:2 FTS		93.8 %	25-200								
Surrogate: M2-8:2 FTS		70.2 %	25-200								
Surrogate: M9PFNA		75.2 %	25-150								
Surrogate: M2-4:2 FTS		60.7 %	25-150								
Surrogate: d-N-MeFOSA		21.9 %	PFSu-L	25-150							
Surrogate: d-N-EtFOSA		31.8 %	25-150								
Surrogate: M3HFPO-DA		28.7 %	25-150								
Surrogate: d9-N-EtFOSE		36.1 %	25-150								
Surrogate: d7-N-MeFOSE		39.4 %	25-150								



Sample Information

Client Sample ID: Field Blank

York Sample ID: 24D1533-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1533

NEW6313. RA 350-352 Liberty Street

Ground Water

April 18, 2024 5:30 pm

04/24/2024

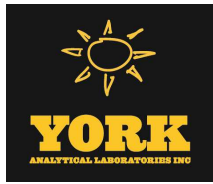
PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	0.472	1.78	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 16:03	ER
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ng/L	0.352	2.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 16:03	ER
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND	PF-CCV -L	ng/L	0.713	2.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 16:03	ER
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	0.683	1.84	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 16:03	ER
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	0.422	2.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 16:03	ER
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	0.824	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 16:03	ER
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.522	2.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 16:03	ER
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.753	2.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 16:03	ER
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.13	2.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 16:03	ER
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.884	2.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 16:03	ER
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.743	2.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 16:03	ER
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.693	2.01	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/29/2024 13:32	04/30/2024 16:03	ER
2355-31-9	N-MeFOSAA	ND		ng/L	0.793	2.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 16:03	ER
2991-50-6	N-EtFOSAA	ND		ng/L	1.03	2.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 16:03	ER
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ng/L	0.231	4.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 16:03	ER
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.884	2.01	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/29/2024 13:32	04/30/2024 16:03	ER
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.914	1.92	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/29/2024 13:32	04/30/2024 16:03	ER
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.33	1.94	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/29/2024 13:32	04/30/2024 16:03	ER
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	1.06	7.63	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 16:03	ER
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.06	7.71	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 16:03	ER
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.331	8.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 16:03	ER
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	ND		ng/L	0.502	3.58	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/29/2024 13:32	04/30/2024 16:03	ER



Sample Information

Client Sample ID: Field Blank

York Sample ID: 24D1533-04

York Project (SDG) No.

24D1533

Client Project ID

NEW6313. RA 350-352 Liberty Street

Matrix

Ground Water

Collection Date/Time

April 18, 2024 5:30 pm

Date Received

04/24/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	2.15	4.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/29/2024 13:32	04/30/2024 16:03	ER
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.251	4.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/29/2024 13:32	04/30/2024 16:03	ER
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.372	4.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/29/2024 13:32	04/30/2024 16:03	ER
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.763	1.89	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 16:03	ER
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.80	7.53	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 16:03	ER
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.24	8.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 16:03	ER
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.39	7.59	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 16:03	ER
756426-58-1	9CL-PF3ONS	ND		ng/L	0.703	7.51	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 16:03	ER
919005-14-4	ADONA	ND		ng/L	0.532	7.59	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 16:03	ER
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.934	1.95	1	EPA 1633 Draft 3 Certifications:	04/29/2024 13:32	04/30/2024 16:03	ER
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.864	1.93	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/29/2024 13:32	04/30/2024 16:03	ER
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND	PF-CCV	ng/L	2.04	5.02	1	EPA 1633 Draft 3 Certifications:	04/29/2024 13:32	04/30/2024 16:03	ER
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND	PF-CCV	ng/L	7.36	25.1	1	EPA 1633 Draft 3 Certifications:	04/29/2024 13:32	04/30/2024 16:03	ER
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	9.51	25.1	1	EPA 1633 Draft 3 Certifications:	04/29/2024 13:32	04/30/2024 16:03	ER
24448-09-7	* N-MeFOSE	ND		ng/L	4.01	20.1	1	EPA 1633 Draft 3 Certifications:	04/29/2024 13:32	04/30/2024 16:03	ER
31506-32-8	* N-MeFOSA	ND		ng/L	1.59	2.01	1	EPA 1633 Draft 3 Certifications:	04/29/2024 13:32	04/30/2024 16:03	ER
1691-99-2	* N-EtFOSE	ND		ng/L	4.01	20.1	1	EPA 1633 Draft 3 Certifications:	04/29/2024 13:32	04/30/2024 16:03	ER
4151-50-2	* N-EtFOSA	ND		ng/L	1.81	2.01	1	EPA 1633 Draft 3 Certifications:	04/29/2024 13:32	04/30/2024 16:03	ER
Surrogate Recoveries		Result	Acceptance Range								
Surrogate: M3PFBS		80.0 %	25-150								
Surrogate: M5PFHxA		82.6 %	25-150								
Surrogate: M4PFHpA		136 %	25-150								
Surrogate: M3PFHxS		98.8 %	25-150								
Surrogate: Perfluoro-n-[13C8]octanoic aci		72.1 %	25-150								
Surrogate: M6PFDA		83.2 %	25-150								



Sample Information

Client Sample ID: Field Blank

York Sample ID: 24D1533-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1533

NEW6313. RA 350-352 Liberty Street

Ground Water

April 18, 2024 5:30 pm

04/24/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M7PFUdA	84.9 %			25-150						
	Surrogate: Perfluoro-n-[1,2-13C2]dodecan	72.7 %			25-150						
	Surrogate: M2PFTeDA	87.4 %			10-150						
	Surrogate: Perfluoro-n-[13C4]butanoic aci	2.65 %	PFSu-L		25-150						
	Surrogate: Perfluoro-1-[13C8]octanesulfo	100 %			25-150						
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	34.2 %			25-150						
	Surrogate: Perfluoro-1-[13C8]octanesulfo	62.3 %			10-150						
	Surrogate: d3-N-MeFOSAA	67.3 %			25-150						
	Surrogate: d5-N-EtFOSAA	65.6 %			25-150						
	Surrogate: M2-6:2 FTS	122 %			25-200						
	Surrogate: M2-8:2 FTS	95.3 %			25-200						
	Surrogate: M9PFNA	89.8 %			25-150						
	Surrogate: M2-4:2 FTS	85.7 %			25-150						
	Surrogate: d-N-MeFOSA	33.8 %			25-150						
	Surrogate: d-N-EtFOSA	25.9 %			25-150						
	Surrogate: M3HFPO-DA	41.3 %			25-150						
	Surrogate: d9-N-EtFOSE	42.8 %			25-150						
	Surrogate: d7-N-MeFOSE	45.8 %			25-150						



Analytical Batch Summary

Batch ID: BD41916

Preparation Method: EPA 3535A

Prepared By: THD

YORK Sample ID	Client Sample ID	Preparation Date
24D1533-01	MW-104_4.18.24	04/25/24
24D1533-02	DUP	04/25/24
24D1533-03	Equipment Blank	04/25/24
BD41916-BLK1	Blank	04/25/24
BD41916-BS1	LCS	04/25/24
BD41916-MS1	Matrix Spike	04/25/24
BD41916-MS2	Matrix Spike	04/25/24
BD41916-MSD1	Matrix Spike Dup	04/25/24
BD41916-MSD2	Matrix Spike Dup	04/25/24

Batch ID: BD42169

Preparation Method: EPA 1633 Prep

Prepared By: SAB

YORK Sample ID	Client Sample ID	Preparation Date
24D1533-01	MW-104_4.18.24	04/29/24
24D1533-02	DUP	04/29/24
24D1533-03	Equipment Blank	04/29/24
24D1533-04	Field Blank	04/29/24
BD42169-BLK1	Blank	04/29/24
BD42169-BS1	LCS	04/29/24
BD42169-BS2	LCS	04/29/24
BD42169-MS1	Matrix Spike	04/29/24
BD42169-MSD1	Matrix Spike Dup	04/29/24



Semivolatile Organic Compounds by GC/MS/SIM - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD41916 - EPA 3535A											
Blank (BD41916-BLK1)						Prepared: 04/25/2024 Analyzed: 04/26/2024					
1,4-Dioxane	ND	0.300	ug/L								
Surrogate: 1,4-Dioxane-d8	2.23		"	4.00		55.7	36.6-118				
LCS (BD41916-BS1)						Prepared: 04/25/2024 Analyzed: 04/26/2024					
1,4-Dioxane	3.71	0.300	ug/L	4.00		92.8	50-130				
Surrogate: 1,4-Dioxane-d8	2.13		"	4.00		53.2	36.6-118				
Matrix Spike (BD41916-MS1)						*Source sample: 24D1533-01 (MW-104 4.18.24) Prepared: 04/25/2024 Analyzed: 04/26/2024					
1,4-Dioxane	3.66	0.300	ug/L	4.00	ND	91.6	50-130				
Surrogate: 1,4-Dioxane-d8	2.35		"	4.00		58.6	50-130				
Matrix Spike (BD41916-MS2)						*Source sample: 24D1534-01 (Matrix Spike) Prepared: 04/25/2024 Analyzed: 04/26/2024					
1,4-Dioxane	3.87	0.300	ug/L	4.00	ND	96.8	50-130				
Surrogate: 1,4-Dioxane-d8	2.26		"	4.00		56.4	50-130				
Matrix Spike Dup (BD41916-MSD1)						*Source sample: 24D1533-01 (MW-104 4.18.24) Prepared: 04/25/2024 Analyzed: 04/26/2024					
1,4-Dioxane	3.63	0.300	ug/L	4.00	ND	90.8	50-130	0.877	30		
Surrogate: 1,4-Dioxane-d8	2.21		"	4.00		55.3	50-130				
Matrix Spike Dup (BD41916-MSD2)						*Source sample: 24D1534-01 (Matrix Spike Dup) Prepared: 04/25/2024 Analyzed: 04/26/2024					
1,4-Dioxane	3.68	0.300	ug/L	4.00	ND	92.0	50-130	5.08	30		
Surrogate: 1,4-Dioxane-d8	2.23		"	4.00		55.8	50-130				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BD42169 - EPA 1633 Prep

Blank (BD42169-BLK1)

Prepared: 04/29/2024 Analyzed: 04/30/2024

Perfluorobutanesulfonic acid (PFBS)	ND	3.54	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	4.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	4.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	3.66	"								
Perfluorooctanoic acid (PFOA)	ND	4.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	3.72	"								
Perfluorononanoic acid (PFNA)	ND	4.00	"								
Perfluorodecanoic acid (PFDA)	ND	4.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	4.00	"								
Perfluorododecanoic acid (PFDoA)	ND	4.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	4.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	4.00	"								
N-MeFOSAA	ND	4.00	"								
N-EtFOSAA	ND	4.00	"								
Perfluoropentanoic acid (PFPeA)	ND	8.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	4.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	3.82	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	3.86	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	15.2	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	15.4	"								
Perfluoro-n-butanoic acid (PFBA)	0.887	16.0	"								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	ND	7.12	"								
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND	8.00	"								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	8.00	"								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	8.00	"								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	3.76	"								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F	ND	15.0	"								
HFPO-DA (Gen-X)	ND	16.0	"								
11CL-PF3OUdS	ND	15.1	"								
9CL-PF3ONS	ND	15.0	"								
ADONA	ND	15.1	"								
Perfluorododecanesulfonic acid (PFDoS)	ND	3.88	"								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	3.84	"								
3-Perfluoropropyl propanoic acid (FPrPA)	ND	10.0	"								
3-Perfluoropentyl propanoic acid (FPePA)	ND	50.0	"								
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	50.0	"								
N-MeFOSE	ND	40.0	"								
N-MeFOSA	ND	4.00	"								
N-EtFOSE	ND	40.0	"								
N-EtFOSA	ND	4.00	"								
Surrogate: M3PFBS	46.0		"	46.6		98.7	25-150				
Surrogate: M5PFHxA	43.2		"	50.0		86.5	25-150				
Surrogate: M4PFHpA	68.1		"	50.0		136	25-150				
Surrogate: M3PFHxS	49.4		"	47.4		104	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	39.0		"	50.0		77.9	25-150				
Surrogate: M6PFDA	22.4		"	25.0		89.8	25-150				
Surrogate: M7PFUdA	20.7		"	25.0		82.7	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	13.7		"	25.0		55.0	25-150				
Surrogate: M2PFTeDA	11.8		"	25.0		47.4	10-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BD42169 - EPA 1633 Prep

Blank (BD42169-BLK1)

Prepared: 04/29/2024 Analyzed: 04/30/2024

Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	16.6		ng/L	200		8.30	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	47.2		"	47.9		98.6	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	61.6		"	100		61.6	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	41.1		"	50.0		82.2	10-150				
Surrogate: d3-N-MeFOSAA	70.6		"	100		70.6	25-150				
Surrogate: d5-N-EtFOSAA	74.3		"	100		74.3	25-150				
Surrogate: M2-6:2 FTS	151		"	95.1		158	25-200				
Surrogate: M2-8:2 FTS	80.3		"	96.0		83.7	25-200				
Surrogate: M9PFNA	19.9		"	25.0		79.6	25-150				
Surrogate: M2-4:2 FTS	144		"	93.8		153	25-150				
Surrogate: d-N-MeFOSA	32.0		"	50.0		64.1	25-150				
Surrogate: d-N-EtFOSA	27.3		"	50.0		54.6	25-150				
Surrogate: M3HFPO-DA	178		"	200		89.2	25-150				
Surrogate: d9-N-EtFOSE	258		"	500		51.5	25-150				
Surrogate: d7-N-MeFOSE	310		"	500		62.1	25-150				

LCS (BD42169-BS1)

Prepared: 04/29/2024 Analyzed: 04/30/2024

Perfluorobutanesulfonic acid (PFBS)	72.8	3.54	ng/L	70.8		103	50-150				
Perfluorohexanoic acid (PFHxA)	79.8	4.00	"	80.0		99.8	50-150				
Perfluoroheptanoic acid (PFHpA)	55.2	4.00	"	80.0		69.0	50-150				
Perfluorohexanesulfonic acid (PFHxS)	78.9	3.66	"	73.2		108	50-150				
Perfluorooctanoic acid (PFOA)	85.4	4.00	"	80.0		107	50-150				
Perfluorooctanesulfonic acid (PFOS)	75.6	3.72	"	74.4		102	50-150				
Perfluorononanoic acid (PFNA)	91.3	4.00	"	80.0		114	50-150				
Perfluorodecanoic acid (PFDA)	95.3	4.00	"	80.0		119	50-150				
Perfluoroundecanoic acid (PFUnA)	96.3	4.00	"	80.0		120	50-150				
Perfluorododecanoic acid (PFDoA)	93.6	4.00	"	80.0		117	50-150				
Perfluorotridecanoic acid (PFTriDA)	100	4.00	"	80.0		125	50-150				
Perfluorotetradecanoic acid (PFTA)	82.0	4.00	"	80.0		102	50-150				
N-MeFOSAA	88.2	4.00	"	80.0		110	50-150				
N-EtFOSAA	78.6	4.00	"	80.0		98.3	50-150				
Perfluoropentanoic acid (PFPeA)	159	8.00	"	160		99.3	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	80.3	4.00	"	80.0		100	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	75.3	3.82	"	76.4		98.6	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	81.8	3.86	"	77.2		106	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	336	15.2	"	304		111	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	311	15.4	"	307		101	50-150				
Perfluoro-n-butanoic acid (PFBA)	321	16.0	"	320		100	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	133	7.12	"	142		93.1	50-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	155	8.00	"	160		96.7	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	54.1	8.00	"	160		33.8	50-150				
Perfluoro-5-oxahexanoic acid (PFMBA)	195	8.00	"	160		122	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	74.5	3.76	"	75.2		99.0	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F	336	15.0	"	300		112	50-150				
HFPO-DA (Gen-X)	159	16.0	"	160		99.6	50-150				
11CL-PF3OUdS	136	15.1	"	151		90.1	50-150				
9CL-PF3ONS	155	15.0	"	150		104	50-150				
ADONA	173	15.1	"	151		114	50-150				

Low Bias





PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BD42169 - EPA 1633 Prep

LCS (BD42169-BS1)

Prepared: 04/29/2024 Analyzed: 04/30/2024

Perfluorododecanesulfonic acid (PFDoS)	64.0	3.88	ng/L	77.6		82.5	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	68.8	3.84	"	76.8		89.6	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	233	10.0	"	320		72.7	50-150				
3-Perfluoropentyl propanoic acid (FPePA)	1510	50.0	"	1600		94.2	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	1910	50.0	"	1600		119	50-150				
N-MeFOSE	696	40.0	"	800		87.0	50-150				
N-MeFOSA	88.3	4.00	"	80.0		110	50-150				
N-EtFOSE	785	40.0	"	800		98.2	50-150				
N-EtFOSA	107	4.00	"	80.0		134	50-150				
Surrogate: M3PFBS	42.0		"	46.6		90.1	25-150				
Surrogate: M5PFHxA	46.2		"	50.0		92.5	25-150				
Surrogate: M4PFHpA	66.5		"	50.0		133	25-150				
Surrogate: M3PFHxS	47.5		"	47.4		100	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	41.1		"	50.0		82.3	25-150				
Surrogate: M6PFDA	22.5		"	25.0		89.9	25-150				
Surrogate: M7PFUdA	20.8		"	25.0		83.3	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	15.9		"	25.0		63.7	25-150				
Surrogate: M2PFTeDA	14.9		"	25.0		59.8	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	16.7		"	200		8.33	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	41.9		"	47.9		87.4	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	65.4		"	100		65.4	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	37.6		"	50.0		75.2	10-150				
Surrogate: d3-N-MeFOSAA	75.3		"	100		75.3	25-150				
Surrogate: d5-N-EtFOSAA	71.9		"	100		71.9	25-150				
Surrogate: M2-6:2 FTS	191		"	95.1		200	25-200				
Surrogate: M2-8:2 FTS	103		"	96.0		107	25-200				
Surrogate: M9PFNA	22.8		"	25.0		91.3	25-150				
Surrogate: M2-4:2 FTS	138		"	93.8		147	25-150				
Surrogate: d-N-MeFOSA	26.5		"	50.0		53.0	25-150				
Surrogate: d-N-EtFOSA	19.8		"	50.0		39.6	25-150				
Surrogate: M3HFPO-DA	181		"	200		90.5	25-150				
Surrogate: d9-N-EtFOSE	281		"	500		56.1	25-150				
Surrogate: d7-N-MeFOSE	338		"	500		67.6	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD42169 - EPA 1633 Prep											
LCS (BD42169-BS2)						Prepared: 04/29/2024 Analyzed: 04/30/2024					
Perfluorobutanesulfonic acid (PFBS)	13.5	3.54	ng/L	14.2		95.4	50-150				
Perfluorohexanoic acid (PFHxA)	14.8	4.00	"	16.0		92.3	50-150				
Perfluoroheptanoic acid (PFHpA)	9.45	4.00	"	16.0		59.1	50-150				
Perfluorohexanesulfonic acid (PFHxS)	13.9	3.66	"	14.6		95.1	50-150				
Perfluorooctanoic acid (PFOA)	16.7	4.00	"	16.0		104	50-150				
Perfluorooctanesulfonic acid (PFOS)	14.5	3.72	"	14.9		97.5	50-150				
Perfluorononanoic acid (PFNA)	18.9	4.00	"	16.0		118	50-150				
Perfluorodecanoic acid (PFDA)	15.4	4.00	"	16.0		96.5	50-150				
Perfluoroundecanoic acid (PFUnA)	16.5	4.00	"	16.0		103	50-150				
Perfluorododecanoic acid (PFDoA)	16.1	4.00	"	16.0		101	50-150				
Perfluorotridecanoic acid (PFTriDA)	18.7	4.00	"	16.0		117	50-150				
Perfluorotetradecanoic acid (PFTA)	13.2	4.00	"	16.0		82.3	50-150				
N-MeFOSAA	15.5	4.00	"	16.0		96.6	50-150				
N-EtFOSAA	13.1	4.00	"	16.0		82.1	50-150				
Perfluoropentanoic acid (PFPeA)	28.3	8.00	"	32.0		88.4	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	14.6	4.00	"	16.0		91.0	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	12.3	3.82	"	15.3		80.6	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	12.3	3.86	"	15.4		79.5	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	68.2	15.2	"	60.8		112	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	62.6	15.4	"	61.4		102	50-150				
Perfluoro-n-butanoic acid (PFBA)	57.3	16.0	"	64.0		89.6	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	24.5	7.12	"	28.5		86.0	50-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	31.4	8.00	"	32.0		98.0	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	10.0	8.00	"	32.0		31.3	50-150	Low Bias			
Perfluoro-5-oxahexanoic acid (PFMBA)	34.4	8.00	"	32.0		108	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	12.7	3.76	"	15.0		84.5	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	63.9	15.0	"	60.0		107	50-150				
HFPO-DA (Gen-X)	28.3	16.0	"	32.0		88.5	50-150				
11CL-PF3OUdS	24.6	15.1	"	30.2		81.3	50-150				
9CL-PF3ONS	27.1	15.0	"	29.9		90.4	50-150				
ADONA	30.9	15.1	"	30.2		102	50-150				
Perfluorododecanesulfonic acid (PFDoS)	8.56	3.88	"	15.5		55.2	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	14.1	3.84	"	15.4		92.1	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	37.3	10.0	"	64.0		58.3	50-150				
3-Perfluoropentyl propanoic acid (FPePA)	248	50.0	"	320		77.4	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	340	50.0	"	320		106	50-150				
N-MeFOSE	124	40.0	"	160		77.4	50-150				
N-MeFOSA	16.1	4.00	"	16.0		100	50-150				
N-EtFOSE	138	40.0	"	160		86.3	50-150				
N-EtFOSA	14.1	4.00	"	16.0		87.9	50-150				
Surrogate: M3PFBS	43.9		"	46.6		94.1	25-150				
Surrogate: M5PFHxA	44.1		"	50.0		88.2	25-150				
Surrogate: M4PFHpA	69.4		"	50.0		139	25-150				
Surrogate: M3PFHxS	52.4		"	47.4		111	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	40.5		"	50.0		81.1	25-150				
Surrogate: M6PFDA	25.3		"	25.0		101	25-150				
Surrogate: M7PFUdA	23.1		"	25.0		92.2	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	16.9		"	25.0		67.7	25-150				
Surrogate: M2PFTeDA	15.4		"	25.0		61.6	10-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BD42169 - EPA 1633 Prep

LCS (BD42169-BS2)

Prepared: 04/29/2024 Analyzed: 04/30/2024

Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	18.3		ng/L	200		9.14	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	47.1		"	47.9		98.4	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	66.4		"	100		66.4	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	39.9		"	50.0		79.8	10-150				
Surrogate: d3-N-MeFOSAA	75.2		"	100		75.2	25-150				
Surrogate: d5-N-EtFOSAA	79.4		"	100		79.4	25-150				
Surrogate: M2-6:2 FTS	169		"	95.1		178	25-200				
Surrogate: M2-8:2 FTS	91.0		"	96.0		94.8	25-200				
Surrogate: M9PFNA	21.7		"	25.0		87.0	25-150				
Surrogate: M2-4:2 FTS	121		"	93.8		129	25-150				
Surrogate: d-N-MeFOSA	27.8		"	50.0		55.6	25-150				
Surrogate: d-N-EtFOSA	25.0		"	50.0		50.0	25-150				
Surrogate: M3HFPO-DA	177		"	200		88.4	25-150				
Surrogate: d9-N-EtFOSE	264		"	500		52.7	25-150				
Surrogate: d7-N-MeFOSE	342		"	500		68.4	25-150				

Matrix Spike (BD42169-MS1)

*Source sample: 24D1533-01 (MW-104_4.18.24)

Prepared: 04/29/2024 Analyzed: 04/30/2024

Perfluorobutanesulfonic acid (PFBS)	62.3	1.76	ng/L	35.1	29.4	93.6	25-150				
Perfluorohexanoic acid (PFHxA)	60.2	1.98	"	39.7	19.0	104	25-150				
Perfluoroheptanoic acid (PFHpA)	31.8	1.98	"	39.7	6.85	62.8	25-150				
Perfluorohexanesulfonic acid (PFHxS)	40.5	1.82	"	36.3	6.05	94.8	25-150				
Perfluorooctanoic acid (PFOA)	69.9	1.98	"	39.7	24.8	114	25-150				
Perfluorooctanesulfonic acid (PFOS)	60.9	1.85	"	36.9	30.7	81.8	25-150				
Perfluorononanoic acid (PFNA)	40.9	1.98	"	39.7	2.83	96.0	25-150				
Perfluorodecanoic acid (PFDA)	44.7	1.98	"	39.7	ND	113	25-150				
Perfluoroundecanoic acid (PFUnA)	45.9	1.98	"	39.7	ND	116	25-150				
Perfluorododecanoic acid (PFDoA)	41.4	1.98	"	39.7	ND	104	25-150				
Perfluorotridecanoic acid (PFTriDA)	34.6	1.98	"	39.7	ND	87.1	25-150				
Perfluorotetradecanoic acid (PFTA)	33.7	1.98	"	39.7	ND	84.9	25-150				
N-MeFOSAA	43.5	1.98	"	39.7	ND	110	25-150				
N-EtFOSAA	39.0	1.98	"	39.7	ND	98.2	25-150				
Perfluoropentanoic acid (PFPeA)	92.1	3.97	"	79.4	16.1	95.7	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	41.4	1.98	"	39.7	ND	104	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	35.1	1.90	"	37.9	ND	92.6	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	31.7	1.92	"	38.3	ND	82.9	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	160	7.54	"	151	ND	106	25-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	151	7.62	"	152	ND	99.2	25-150				
Perfluoro-n-butanoic acid (PFBA)	171	7.94	"	159	10.8	101	25-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	71.3	3.53	"	70.7	ND	101	25-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	60.0	3.97	"	79.4	ND	75.5	25-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	76.4	3.97	"	79.4	ND	96.2	25-150				
Perfluoro-5-oxahexanoic acid (PFMBA)	72.3	3.97	"	79.4	ND	91.0	25-150				
Perfluoro-1-pentanesulfonate (PFPeS)	36.3	1.87	"	37.3	0.963	94.6	25-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F	145	7.44	"	149	ND	97.5	25-150				
HFPO-DA (Gen-X)	89.3	7.94	"	79.4	ND	112	25-150				
11CL-PF3OUdS	100	7.50	"	75.0	ND	134	25-150				
9CL-PF3ONS	129	7.42	"	74.2	ND	173	25-150	High Bias			
ADONA	148	7.50	"	75.0	ND	197	25-150	High Bias			



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BD42169 - EPA 1633 Prep

Matrix Spike (BD42169-MS1)		*Source sample: 24D1533-01 (MW-104 4.18.24)					Prepared: 04/29/2024 Analyzed: 04/30/2024				
Perfluorododecanesulfonic acid (PFDoS)	28.0	1.93	ng/L	38.5	ND	72.6	25-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	31.5	1.91	"	38.1	ND	82.7	25-150				
3-Perfluoropropyl propanoic acid (FPrPA)	77.1	4.96	"	159	ND	48.5	25-150				
3-Perfluoropentyl propanoic acid (FPePA)	446	24.8	"	794	ND	56.2	25-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	698	24.8	"	794	ND	87.9	25-150				
N-MeFOSE	326	19.8	"	397	ND	82.2	25-150				
N-MeFOSA	35.6	1.98	"	39.7	ND	89.8	25-150				
N-EtFOSE	363	19.8	"	397	ND	91.4	25-150				
N-EtFOSA	29.8	1.98	"	39.7	ND	75.1	25-150				
Surrogate: M3PFBS	25.2		"	23.1		109	25-150				
Surrogate: M5PFHxA	24.4		"	24.8		98.3	25-150				
Surrogate: M4PFHpA	35.0		"	24.8		141	25-150				
Surrogate: M3PFHxS	26.5		"	23.5		113	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	20.7		"	24.8		83.5	25-150				
Surrogate: M6PFDA	11.8		"	12.4		95.1	25-150				
Surrogate: M7PFUdA	10.9		"	12.4		87.7	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	9.09		"	12.4		73.2	25-150				
Surrogate: M2PFTeDA	11.0		"	12.4		88.5	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	63.6		"	99.2		64.1	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	25.2		"	23.8		106	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	51.7		"	49.6		104	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	17.1		"	24.8		69.0	10-150				
Surrogate: d3-N-MeFOSAA	36.4		"	49.6		73.4	25-150				
Surrogate: d5-N-EtFOSAA	35.3		"	49.6		71.1	25-150				
Surrogate: M2-6:2 FTS	83.9		"	47.2		178	25-200				
Surrogate: M2-8:2 FTS	49.0		"	47.6		103	25-200				
Surrogate: M9PFNA	11.7		"	12.4		94.1	25-150				
Surrogate: M2-4:2 FTS	130		"	46.5		280	25-150				
Surrogate: d-N-MeFOSA	5.30		"	24.8		21.4	25-150				
Surrogate: d-N-EtFOSA	7.18		"	24.8		28.9	25-150				
Surrogate: M3HFPO-DA	52.9		"	99.2		53.3	25-150				
Surrogate: d9-N-EtFOSE	113		"	248		45.5	25-150				
Surrogate: d7-N-MeFOSE	139		"	248		56.1	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BD42169 - EPA 1633 Prep

Matrix Spike Dup (BD42169-MSD1)		*Source sample: 24D1533-01 (MW-104 4.18.24)					Prepared: 04/29/2024 Analyzed: 04/30/2024				
Perfluorobutanesulfonic acid (PFBS)	63.5	1.75	ng/L	35.1	29.4	97.1	25-150		1.87	35	
Perfluorohexanoic acid (PFHxA)	60.4	1.98	"	39.6	19.0	104	25-150		0.413	35	
Perfluoroheptanoic acid (PFHpA)	30.8	1.98	"	39.6	6.85	60.3	25-150		3.32	35	
Perfluorohexanesulfonic acid (PFHxS)	43.3	1.81	"	36.3	6.05	103	25-150		6.75	35	
Perfluorooctanoic acid (PFOA)	73.7	1.98	"	39.6	24.8	123	25-150		5.29	35	
Perfluorooctanesulfonic acid (PFOS)	56.9	1.84	"	36.9	30.7	71.1	25-150		6.77	35	
Perfluorononanoic acid (PFNA)	45.3	1.98	"	39.6	2.83	107	25-150		10.0	35	
Perfluorodecanoic acid (PFDA)	47.8	1.98	"	39.6	ND	121	25-150		6.78	35	
Perfluoroundecanoic acid (PFUnA)	47.5	1.98	"	39.6	ND	120	25-150		3.27	35	
Perfluorododecanoic acid (PFDoA)	42.0	1.98	"	39.6	ND	106	25-150		1.35	35	
Perfluorotridecanoic acid (PFTriDA)	46.6	1.98	"	39.6	ND	118	25-150		29.7	35	
Perfluorotetradecanoic acid (PFTA)	39.5	1.98	"	39.6	ND	99.6	25-150		15.8	35	
N-MeFOSAA	40.4	1.98	"	39.6	ND	102	25-150		7.37	35	
N-EtFOSAA	39.7	1.98	"	39.6	ND	100	25-150		1.92	35	
Perfluoropentanoic acid (PFPeA)	91.1	3.96	"	79.3	16.1	94.6	25-150		1.08	35	
Perfluoro-1-octanesulfonamide (FOSA)	39.7	1.98	"	39.6	ND	100	25-150		4.16	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	30.4	1.89	"	37.8	ND	80.3	25-150		14.4	35	
Perfluoro-1-decanesulfonic acid (PFDS)	29.5	1.91	"	38.2	ND	77.1	25-150		7.36	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	155	7.53	"	151	ND	103	25-150		2.84	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	150	7.61	"	152	ND	98.7	25-150		0.659	35	
Perfluoro-n-butanoic acid (PFBA)	168	7.93	"	159	10.8	98.9	25-150		1.78	35	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	69.6	3.53	"	70.5	ND	98.7	25-150		2.28	30	
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	66.0	3.96	"	79.3	ND	83.3	25-150		9.55	30	
Perfluoro-4-oxapentanoic acid (PFMPA)	71.8	3.96	"	79.3	ND	90.5	25-150		6.26	30	
Perfluoro-5-oxahexanoic acid (PFMBA)	73.1	3.96	"	79.3	ND	92.2	25-150		1.16	30	
Perfluoro-1-pentanesulfonate (PFPeS)	37.2	1.86	"	37.2	0.963	97.2	25-150		2.47	30	
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F	153	7.43	"	149	ND	103	25-150		4.96	30	
HFPO-DA (Gen-X)	78.1	7.93	"	79.3	ND	98.5	25-150		13.4	30	
11CL-PF3OUdS	114	7.49	"	74.9	ND	152	25-150	High Bias	12.5	30	
9CL-PF3ONS	139	7.41	"	74.1	ND	187	25-150	High Bias	7.37	30	
ADONA	154	7.49	"	74.9	ND	206	25-150	High Bias	4.51	30	
Perfluorododecanesulfonic acid (PFDoS)	25.4	1.92	"	38.4	ND	66.2	25-150		9.45	30	
Perfluoro-1-nonanesulfonic acid (PFNS)	27.6	1.90	"	38.0	ND	72.6	25-150		13.2	30	
3-Perfluoropropyl propanoic acid (FPrPA)	68.9	4.95	"	159	ND	43.4	25-150		11.2	30	
3-Perfluoropentyl propanoic acid (FPePA)	426	24.8	"	793	ND	53.8	25-150		4.58	30	
3-Perfluoroheptyl propanoic acid (FHpPA)	656	24.8	"	793	ND	82.7	25-150		6.24	30	
N-MeFOSE	345	19.8	"	396	ND	87.1	25-150		5.68	30	
N-MeFOSA	46.8	1.98	"	39.6	ND	118	25-150		27.0	30	
N-EtFOSE	338	19.8	"	396	ND	85.2	25-150		7.19	30	
N-EtFOSA	36.8	1.98	"	39.6	ND	92.8	25-150		20.8	30	
Surrogate: M3PFBS	22.0		"	23.1		95.2	25-150				
Surrogate: M5PFHxA	22.0		"	24.8		88.8	25-150				
Surrogate: M4PFHpA	33.2		"	24.8		134	25-150				
Surrogate: M3PFHxS	21.4		"	23.5		91.1	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	17.5		"	24.8		70.5	25-150				
Surrogate: M6PFDA	9.15		"	12.4		73.9	25-150				
Surrogate: M7PFUdA	9.42		"	12.4		76.0	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	7.60		"	12.4		61.4	25-150				
Surrogate: M2PFTeDA	7.57		"	12.4		61.1	10-150				



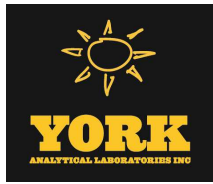
PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BD42169 - EPA 1633 Prep

Matrix Spike Dup (BD42169-MSD1)		*Source sample: 24D1533-01 (MW-104 4.18.24)						Prepared: 04/29/2024 Analyzed: 04/30/2024			
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	46.8		ng/L	99.1		47.3	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	24.7		"	23.7		104	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	46.1		"	49.5		93.0	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	15.8		"	24.8		63.8	10-150				
Surrogate: d3-N-MeFOSAA	31.5		"	49.5		63.6	25-150				
Surrogate: d5-N-EtFOSAA	32.3		"	49.5		65.2	25-150				
Surrogate: M2-6:2 FTS	67.5		"	47.1		143	25-200				
Surrogate: M2-8:2 FTS	42.7		"	47.6		89.7	25-200				
Surrogate: M9PFNA	9.35		"	12.4		75.5	25-150				
Surrogate: M2-4:2 FTS	97.2		"	46.5		209	25-150				
Surrogate: d-N-MeFOSA	5.51		"	24.8		22.2	25-150				
Surrogate: d-N-EtFOSA	5.16		"	24.8		20.8	25-150				
Surrogate: M3HFPO-DA	43.6		"	99.1		44.0	25-150				
Surrogate: d9-N-EtFOSE	126		"	248		51.0	25-150				
Surrogate: d7-N-MeFOSE	138		"	248		55.6	25-150				





Sample and Data Qualifiers Relating to This Work Order

PFSu-L	The isotopically labeled surrogate recovered below lab control limits due to a matrix effect. Isotope Dilution was applied.
PFSu-H	The isotopically labeled surrogate recovered above lab control limits due to a matrix effect. Isotope Dilution was applied.
PF-LCS-L	The LCS recovery for this PFAS compound was below control limits.
PF-CCV-L	The CCV recovery for this PFAS compound was below control limits.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.

Definitions and Other Explanations

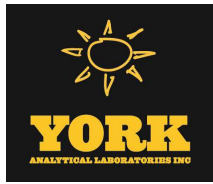
*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.



Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.



Field Chain-of-Custody Record

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document. This document serves as your written authorization for YORK to proceed with the analyses requested below.

Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No.

2991533

120 Research Drive Stratford, CT 06615 132-02 89th Ave Queens, NY 11418

556 Church Hill Rd #2 Newtown CT 06470

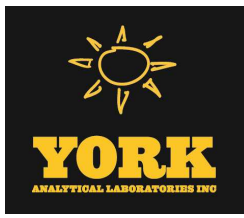
clientservices@yorklab.com

www.yorklab.com

800-306-YORK

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Technical Report

prepared for:

HRP Associates, Inc.
1 Fairchild Square, Suite 110
Clifton Park NY, 12065
Attention: Patrick Montuori

Report Date: 11/26/2024
Client Project ID: 350-352 Liberty St. / NEW6313.RA
York Project (SDG) No.: 24K1290



CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037

New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

Report Date: 11/26/2024
Client Project ID: 350-352 Liberty St. / NEW6313.RA
York Project (SDG) No.: 24K1290

HRP Associates, Inc.
1 Fairchild Square, Suite 110
Clifton Park NY, 12065
Attention: Patrick Montuori

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on November 18, 2024 and listed below. The project was identified as your project: **350-352 Liberty St. / NEW6313.RA**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
24K1290-01	MW-104	Ground Water	11/15/2024	11/18/2024
24K1290-02	MW-105	Ground Water	11/15/2024	11/18/2024
24K1290-03	MW-202	Ground Water	11/15/2024	11/18/2024
24K1290-04	MW-201	Ground Water	11/15/2024	11/18/2024
24K1290-05	Dup	Ground Water	11/15/2024	11/18/2024
24K1290-06	Field Blank	Water	11/15/2024	11/18/2024
24K1290-07	Trip Blank	Water	11/15/2024	11/18/2024

General Notes for York Project (SDG) No.: 24K1290

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

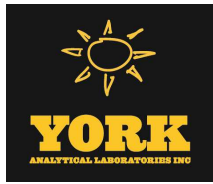
Approved By:



Cassie L. Mosher
Laboratory Manager

Date: 11/26/2024





Sample Information

Client Sample ID: MW-104

York Sample ID: 24K1290-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24K1290

350-352 Liberty St. / NEW6313.RA

Ground Water

November 15, 2024 3:30 pm

11/18/2024

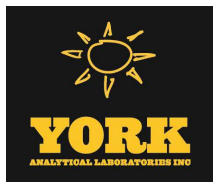
VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 15:35	11/22/2024 03:24	PD
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 15:35	11/22/2024 03:24	PD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 15:35	11/22/2024 03:24	PD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 15:35	11/22/2024 03:24	PD
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 15:35	11/22/2024 03:24	PD
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 15:35	11/22/2024 03:24	PD
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 15:35	11/22/2024 03:24	PD
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 15:35	11/22/2024 03:24	PD
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 15:35	11/22/2024 03:24	PD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 15:35	11/22/2024 03:24	PD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 15:35	11/22/2024 03:24	PD
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 15:35	11/22/2024 03:24	PD
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 15:35	11/22/2024 03:24	PD
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 15:35	11/22/2024 03:24	PD
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 15:35	11/22/2024 03:24	PD
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 15:35	11/22/2024 03:24	PD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 15:35	11/22/2024 03:24	PD
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 15:35	11/22/2024 03:24	PD
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 15:35	11/22/2024 03:24	PD
123-91-1	1,4-Dioxane	ND		ug/L	35.3	80.0	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 15:35	11/22/2024 03:24	PD
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 15:35	11/22/2024 03:24	PD



Sample Information

Client Sample ID: MW-104

York Sample ID: 24K1290-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24K1290

350-352 Liberty St. / NEW6313.RA

Ground Water

November 15, 2024 3:30 pm

11/18/2024

VOA, 8260 LOW MASTER

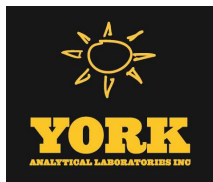
Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.320	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 15:35	11/22/2024 03:24	PD
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 15:35	11/22/2024 03:24	PD
67-64-1	Acetone	ND		ug/L	1.34	2.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 15:35	11/22/2024 03:24	PD
107-02-8	Acrolein	1.56	B	ug/L	0.447	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 15:35	11/22/2024 03:24	PD
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 15:35	11/22/2024 03:24	PD
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 15:35	11/22/2024 03:24	PD
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 15:35	11/22/2024 03:24	PD
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 15:35	11/22/2024 03:24	PD
75-25-2	Bromoform	ND		ug/L	0.163	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 15:35	11/22/2024 03:24	PD
74-83-9	Bromomethane	ND	CCVE	ug/L	0.119	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 15:35	11/22/2024 03:24	PD
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 15:35	11/22/2024 03:24	PD
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 15:35	11/22/2024 03:24	PD
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 15:35	11/22/2024 03:24	PD
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 15:35	11/22/2024 03:24	PD
67-66-3	Chloroform	1.40		ug/L	0.243	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 15:35	11/22/2024 03:24	PD
74-87-3	Chloromethane	ND	CCVE	ug/L	0.372	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 15:35	11/22/2024 03:24	PD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 15:35	11/22/2024 03:24	PD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 15:35	11/22/2024 03:24	PD
110-82-7	Cyclohexane	0.660		ug/L	0.491	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 15:35	11/22/2024 03:24	PD
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 15:35	11/22/2024 03:24	PD
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 15:35	11/22/2024 03:24	PD





Sample Information

Client Sample ID: MW-104

York Sample ID: 24K1290-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24K1290

350-352 Liberty St. / NEW6313.RA

Ground Water

November 15, 2024 3:30 pm

11/18/2024

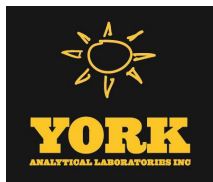
VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-71-8	Dichlorodifluoromethane	ND	CCVE, ICVE, QL-02	ug/L	0.451	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 15:35	11/22/2024 03:24	PD
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 15:35	11/22/2024 03:24	PD
87-68-3	Hexachlorobutadiene	ND		ug/L	0.241	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 15:35	11/22/2024 03:24	PD
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 15:35	11/22/2024 03:24	PD
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 15:35	11/22/2024 03:24	PD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 15:35	11/22/2024 03:24	PD
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 15:35	11/22/2024 03:24	PD
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 15:35	11/22/2024 03:24	PD
104-51-8	n-Butylbenzene	0.620		ug/L	0.399	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 15:35	11/22/2024 03:24	PD
103-65-1	n-Propylbenzene	0.730		ug/L	0.384	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 15:35	11/22/2024 03:24	PD
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	11/21/2024 15:35	11/22/2024 03:24	PD
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	11/21/2024 15:35	11/22/2024 03:24	PD
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 15:35	11/22/2024 03:24	PD
135-98-8	sec-Butylbenzene	0.800		ug/L	0.444	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 15:35	11/22/2024 03:24	PD
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 15:35	11/22/2024 03:24	PD
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.608	1.00	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 15:35	11/22/2024 03:24	PD
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 15:35	11/22/2024 03:24	PD
127-18-4	Tetrachloroethylene	0.550	ICVE, QL-02	ug/L	0.239	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 15:35	11/22/2024 03:24	PD
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 15:35	11/22/2024 03:24	PD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 15:35	11/22/2024 03:24	PD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 15:35	11/22/2024 03:24	PD



Sample Information

Client Sample ID: MW-104

York Sample ID: 24K1290-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24K1290

350-352 Liberty St. / NEW6313.RA

Ground Water

November 15, 2024 3:30 pm

11/18/2024

VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 15:35	11/22/2024 03:24	PD
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 15:35	11/22/2024 03:24	PD
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 15:35	11/22/2024 03:24	PD
1330-20-7	Xylenes, Total	ND		ug/L	0.839	1.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 15:35	11/22/2024 03:24	PD
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	92.2 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	92.4 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	110 %	79-122								

Volatile Organics, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
NA	Benzene, methyl isomer	2.4	J	ug/L			1	EPA 8260C Certifications:	11/21/2024 15:35	11/22/2024 03:24	PD
NA	Benzene, tetramethyl isomer	1.6	J	ug/L			1	EPA 8260C Certifications:	11/21/2024 15:35	11/22/2024 03:24	PD
NA	Cyclohexane, dimethyl isomer	1.6	J	ug/L			1	EPA 8260C Certifications:	11/21/2024 15:35	11/22/2024 03:24	PD
NA	Cyclohexane, trimethyl isomer	3.0	J	ug/L			1	EPA 8260C Certifications:	11/21/2024 15:35	11/22/2024 03:24	PD
NA	Cyclopentane isomer	1.7	J	ug/L			1	EPA 8260C Certifications:	11/21/2024 15:35	11/22/2024 03:24	PD
NA	Decane, methyl isomer	1.6	J	ug/L			1	EPA 8260C Certifications:	11/21/2024 15:35	11/22/2024 03:24	PD
NA	Phenyl butene isomer	1.9	J	ug/L			1	EPA 8260C Certifications:	11/21/2024 15:35	11/22/2024 03:24	PD

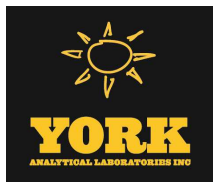
SVOA, 8270 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:23	SS
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:23	SS
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:23	SS



Sample Information

Client Sample ID: MW-104

York Sample ID: 24K1290-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24K1290

350-352 Liberty St. / NEW6313.RA

Ground Water

November 15, 2024 3:30 pm

11/18/2024

SVOA, 8270 LOW MASTER

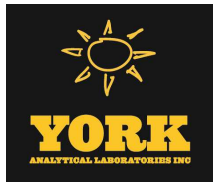
Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:23	SS
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:23	SS
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:23	SS
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:23	SS
105-67-9	2,4-Dimethylphenol	ND	ICVE	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:23	SS
51-28-5	2,4-Dinitrophenol	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:23	SS
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:23	SS
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:23	SS
91-58-7	2-Chloronaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:23	SS
95-57-8	2-Chlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:23	SS
91-57-6	2-Methylnaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:23	SS
95-48-7	2-Methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:23	SS
88-74-4	2-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:23	SS
88-75-5	2-Nitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:23	SS
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:23	SS
91-94-1	3,3-Dichlorobenzidine	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:23	SS
99-09-2	3-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:23	SS
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:23	SS
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:23	SS
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:23	SS
106-47-8	4-Chloroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:23	SS
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:23	SS





Sample Information

Client Sample ID: MW-104

York Sample ID: 24K1290-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24K1290

350-352 Liberty St. / NEW6313.RA

Ground Water

November 15, 2024 3:30 pm

11/18/2024

SVOA, 8270 LOW MASTER

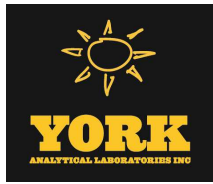
Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-01-6	4-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:23	SS
100-02-7	4-Nitrophenol	ND		ug/L	5.00	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:23	SS
98-86-2	Acetophenone	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:23	SS
62-53-3	Aniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:23	SS
100-52-7	Benzaldehyde	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:23	SS
92-87-5	Benzidine	ND	CAL-E, CCVE	ug/L	5.00	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:23	SS
65-85-0	Benzoic acid	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:23	SS
100-51-6	Benzyl alcohol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:23	SS
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:23	SS
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:23	SS
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.00	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:23	SS
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:23	SS
105-60-2	Caprolactam	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:23	SS
86-74-8	Carbazole	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:23	SS
132-64-9	Dibenzofuran	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:23	SS
84-66-2	Diethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:23	SS
131-11-3	Dimethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:23	SS
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:23	SS
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:23	SS
122-39-4	Diphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:23	SS
77-47-4	Hexachlorocyclopentadiene	ND	CCVE, ICVE	ug/L	5.00	10.0	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:23	SS
78-59-1	Isophorone	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:23	SS





Sample Information

Client Sample ID: MW-104

York Sample ID: 24K1290-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24K1290

350-352 Liberty St. / NEW6313.RA

Ground Water

November 15, 2024 3:30 pm

11/18/2024

SVOA, 8270 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:23	SS
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:23	SS
108-95-2	Phenol	ND		ug/L	0.750	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:23	SS
110-86-1	Pyridine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:23	SS
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	23.4 %	19.7-63.1								
13127-88-3	Surrogate: SURR: Phenol-d6	12.9 %	10.1-41.7								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	55.6 %	50.2-113								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	46.9 %	39.9-105								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	56.4 %	39.3-151								
1718-51-0	Surrogate: SURR: Terphenyl-d14	53.8 %	30.7-106								

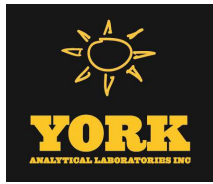
SVOA, 8270 SIM MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 12:43	SS
208-96-8	Acenaphthylene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 12:43	SS
120-12-7	Anthracene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 12:43	SS
1912-24-9	Atrazine	ND	ICVE	ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	11/22/2024 15:52	11/25/2024 12:43	SS
56-55-3	Benzo(a)anthracene	ND	CAL-E	ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 12:43	SS
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 12:43	SS
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 12:43	SS
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 12:43	SS
207-08-9	Benzo(k)fluoranthene	ND	CAL-E	ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 12:43	SS
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	11/22/2024 15:52	11/25/2024 12:43	SS
218-01-9	Chrysene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 12:43	SS



Sample Information

Client Sample ID: MW-104

York Sample ID: 24K1290-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24K1290

350-352 Liberty St. / NEW6313.RA

Ground Water

November 15, 2024 3:30 pm

11/18/2024

SVOA, 8270 SIM MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
53-70-3	Dibenzo(a,h)anthracene	ND	CAL-E	ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 12:43	SS
206-44-0	Fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 12:43	SS
86-73-7	Fluorene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 12:43	SS
118-74-1	Hexachlorobenzene	ND		ug/L	0.0200	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	11/22/2024 15:52	11/25/2024 12:43	SS
87-68-3	Hexachlorobutadiene	ND	QL-02, CCVE	ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	11/22/2024 15:52	11/25/2024 12:43	SS
67-72-1	Hexachloroethane	ND	QL-02	ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	11/22/2024 15:52	11/25/2024 12:43	SS
193-39-5	Indeno(1,2,3-cd)pyrene	ND	CAL-E	ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 12:43	SS
91-20-3	Naphthalene	0.0500		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 12:43	SS
98-95-3	Nitrobenzene	ND	QL-02, CCVE, ICVE	ug/L	0.250	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	11/22/2024 15:52	11/25/2024 12:43	SS
62-75-9	N-Nitrosodimethylamine	ND	QL-02	ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	11/22/2024 15:52	11/25/2024 12:43	SS
87-86-5	Pentachlorophenol	ND		ug/L	0.250	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	11/22/2024 15:52	11/25/2024 12:43	SS
85-01-8	Phenanthrene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 12:43	SS
129-00-0	Pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 12:43	SS

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270E SIM Certifications: NJDEP-CT005,NELAC-NY10854	11/19/2024 15:29	11/21/2024 12:58	SS
	Surrogate Recoveries	Result		Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	68.0 %		36.6-118						

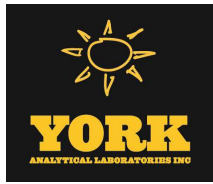
PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst



Sample Information

Client Sample ID: MW-104

York Sample ID: 24K1290-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24K1290

350-352 Liberty St. / NEW6313.RA

Ground Water

November 15, 2024 3:30 pm

11/18/2024

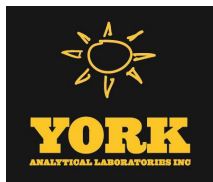
PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	5.45		ng/L	0.434	1.63	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:07	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	5.91		ng/L	0.323	1.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:07	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	4.20		ng/L	0.655	1.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:07	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	3.81		ng/L	0.628	1.69	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:07	AM
335-67-1	Perfluorooctanoic acid (PFOA)	10.5		ng/L	0.388	1.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:07	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	15.7		ng/L	0.757	1.72	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:07	AM
375-95-1	Perfluorononanoic acid (PFNA)	1.36	J	ng/L	0.480	1.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:07	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.692	1.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:07	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.04	1.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:07	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.812	1.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:07	AM
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	ND		ng/L	0.683	1.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:07	AM
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.637	1.85	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:07	AM
2355-31-9	N-MeFOSAA	ND		ng/L	0.729	1.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:07	AM
2991-50-6	N-EtFOSAA	ND		ng/L	0.951	1.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:07	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	6.38		ng/L	0.212	3.69	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:07	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.812	1.85	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:07	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.840	1.76	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:07	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.22	1.78	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:07	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	6.92	7.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:07	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.89	7.09	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:07	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.305	7.38	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:07	AM



Sample Information

Client Sample ID: MW-104

York Sample ID: 24K1290-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24K1290

350-352 Liberty St. / NEW6313.RA

Ground Water

November 15, 2024 3:30 pm

11/18/2024

PFAS, EPA 1633 Target List

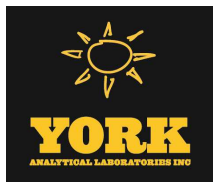
Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	ND		ng/L	0.462	3.29	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/23/2024 13:02	11/25/2024 18:07	AM
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	1.98	3.69	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/23/2024 13:02	11/25/2024 18:07	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.231	3.69	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/23/2024 13:02	11/25/2024 18:07	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.342	3.69	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/23/2024 13:02	11/25/2024 18:07	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.701	1.74	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:07	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.65	6.92	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:07	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	2.98	7.38	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:07	AM
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.27	6.98	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:07	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	0.646	6.90	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:07	AM
919005-14-4	ADONA	ND		ng/L	0.489	6.98	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:07	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.858	1.79	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 18:07	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.794	1.77	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:07	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	1.87	4.62	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 18:07	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	6.77	23.1	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 18:07	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	8.74	23.1	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 18:07	AM
24448-09-7	* N-MeFOSE	ND		ng/L	3.68	18.5	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 18:07	AM
31506-32-8	* N-MeFOSA	ND		ng/L	1.46	1.85	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 18:07	AM
1691-99-2	* N-EtFOSE	ND		ng/L	3.68	18.5	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 18:07	AM
4151-50-2	* N-EtFOSA	ND		ng/L	1.66	1.85	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 18:07	AM
Surrogate Recoveries		Result	Acceptance Range								
M3PFBS	Surrogate: M3PFBS	114 %	25-150								
13C5PFHXA	Surrogate: M5PFHxA	146 %	25-150								
13C4PFHPA	Surrogate: M4PFHpA	164 %	PFSu-H	25-150							
13C3PFHXS	Surrogate: M3PFHxS	126 %	25-150								





Sample Information

Client Sample ID: MW-104

York Sample ID: 24K1290-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24K1290

350-352 Liberty St. / NEW6313.RA

Ground Water

November 15, 2024 3:30 pm

11/18/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
13C8PFOA	Surrogate: Perfluoro-n-[13C8]octanoic aci	133 %			25-150						
13C6PFDA	Surrogate: M6PFDA	120 %			25-150						
13C7PFUNA	Surrogate: M7PFUdA	130 %			25-150						
960315-52-0	Surrogate: Perfluoro-n-[1,2-13C2]dodecan	157 %	PFSu-H		25-150						
13C2PFTEDA	Surrogate: M2PFTeDA	185 %	PFSu-H		10-150						
13C4PFBA	Surrogate: Perfluoro-n-[13C4]butanoic aci	23.7 %	PFSu-L		25-150						
13C8PFOS	Surrogate: Perfluoro-1-[13C8]octanesulfo	132 %			25-150						
13C5PFPEA	Surrogate: Perfluoro-n-[13C5]pentanoic a	129 %			25-150						
13C8FOSA	Surrogate: Perfluoro-1-[13C8]octanesulfo	132 %			10-150						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	127 %			25-150						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	122 %			25-150						
M2-6:2FTS	Surrogate: M2-6:2 FTS	187 %			25-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	152 %			25-200						
13C9PFNA	Surrogate: M9PFNA	119 %			25-150						
M2-4:2FTS	Surrogate: M2-4:2 FTS	153 %	PFSu-H		25-150						
936109-37-4	Surrogate: d-N-MeFOSA	134 %			25-150						
936109-40-9	Surrogate: d-N-EtFOSA	137 %			25-150						
M3HFPO-DA	Surrogate: M3HFPO-DA	173 %	PFSu-H		25-150						
D9-NETPFOSAI	Surrogate: d9-N-EtFOSE	113 %			25-150						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	101 %			25-150						

Semi-Volatiles, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.00		ug/L			1	EPA 8270D	11/22/2024 15:52	11/25/2024 10:23	SS
								Certifications:			

Metals, RCRA (no Hg) by 6020

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		ug/L	1.11	1	EPA 6020B	11/21/2024 08:22	11/22/2024 13:23	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
7440-39-3	Barium	148		ug/L	1.11	1	EPA 6020B	11/21/2024 08:22	11/22/2024 13:23	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B	11/21/2024 08:22	11/22/2024 13:23	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
7440-47-3	Chromium	1.62		ug/L	1.11	1	EPA 6020B	11/21/2024 08:22	11/22/2024 13:23	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		



Sample Information

Client Sample ID: MW-104

York Sample ID: 24K1290-01

York Project (SDG) No.
24K1290

Client Project ID
350-352 Liberty St. / NEW6313.RA

Matrix
Ground Water

Collection Date/Time
November 15, 2024 3:30 pm

Date Received
11/18/2024

Metals, RCRA (no Hg) by 6020

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	2.88		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:23	cw
7782-49-2	Selenium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:23	cw
7440-22-4	Silver	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:23	cw

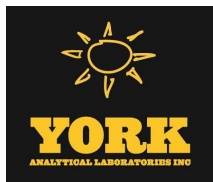
Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 08:16	11/22/2024 08:16	PFA



Sample Information

Client Sample ID: MW-105

York Sample ID: 24K1290-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24K1290

350-352 Liberty St. / NEW6313.RA

Ground Water

November 15, 2024 3:05 pm

11/18/2024

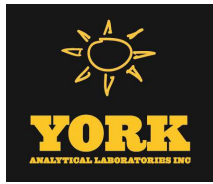
VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 13:15	PD
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 13:15	PD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 13:15	PD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 13:15	PD
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 13:15	PD
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 13:15	PD
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 13:15	PD
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 08:00	11/21/2024 13:15	PD
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 08:00	11/21/2024 13:15	PD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 08:00	11/21/2024 13:15	PD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 13:15	PD
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 13:15	PD
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 13:15	PD
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 13:15	PD
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 13:15	PD
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 13:15	PD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 13:15	PD
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 13:15	PD
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 13:15	PD
123-91-1	1,4-Dioxane	ND		ug/L	35.3	80.0	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 08:00	11/21/2024 13:15	PD
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 13:15	PD



Sample Information

Client Sample ID: MW-105

York Sample ID: 24K1290-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24K1290

350-352 Liberty St. / NEW6313.RA

Ground Water

November 15, 2024 3:05 pm

11/18/2024

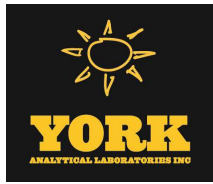
VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.320	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 13:15	PD
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 13:15	PD
67-64-1	Acetone	ND		ug/L	1.34	2.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 13:15	PD
107-02-8	Acrolein	1.05	CCVE, B	ug/L	0.447	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 13:15	PD
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 13:15	PD
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 13:15	PD
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 08:00	11/21/2024 13:15	PD
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 13:15	PD
75-25-2	Bromoform	ND		ug/L	0.163	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 13:15	PD
74-83-9	Bromomethane	ND	CCVE	ug/L	0.119	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 13:15	PD
75-15-0	Carbon disulfide	0.900		ug/L	0.362	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 13:15	PD
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 13:15	PD
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 13:15	PD
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 13:15	PD
67-66-3	Chloroform	0.830		ug/L	0.243	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 13:15	PD
74-87-3	Chloromethane	ND	CCVE	ug/L	0.372	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 13:15	PD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 13:15	PD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 13:15	PD
110-82-7	Cyclohexane	ND		ug/L	0.491	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 08:00	11/21/2024 13:15	PD
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 13:15	PD
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 08:00	11/21/2024 13:15	PD



Sample Information

Client Sample ID: MW-105

York Sample ID: 24K1290-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24K1290

350-352 Liberty St. / NEW6313.RA

Ground Water

November 15, 2024 3:05 pm

11/18/2024

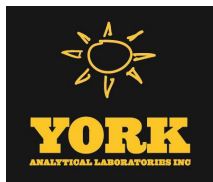
VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-71-8	Dichlorodifluoromethane	ND	CCVE, ICVE, QL-02	ug/L	0.451	0.500	1	EPA 8260D Certifications:	11/21/2024 08:00 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 13:15	PD
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260D Certifications:	11/21/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 13:15	PD
87-68-3	Hexachlorobutadiene	ND		ug/L	0.241	0.500	1	EPA 8260D Certifications:	11/21/2024 08:00 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 13:15	PD
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260D Certifications:	11/21/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 13:15	PD
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260D Certifications:	11/21/2024 08:00 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 13:15	PD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260D Certifications:	11/21/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 13:15	PD
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications:	11/21/2024 08:00 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 13:15	PD
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260D Certifications:	11/21/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 13:15	PD
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260D Certifications:	11/21/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 13:15	PD
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260D Certifications:	11/21/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 13:15	PD
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260D Certifications:	11/21/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	11/21/2024 13:15	PD
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260D Certifications:	11/21/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	11/21/2024 13:15	PD
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications:	11/21/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 13:15	PD
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260D Certifications:	11/21/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 13:15	PD
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications:	11/21/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 13:15	PD
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.608	1.00	1	EPA 8260D Certifications:	11/21/2024 08:00 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 13:15	PD
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications:	11/21/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 13:15	PD
127-18-4	Tetrachloroethylene	0.240	CCVE, ICVE, QL-02	ug/L	0.239	0.500	1	EPA 8260D Certifications:	11/21/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 13:15	PD
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260D Certifications:	11/21/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 13:15	PD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications:	11/21/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 13:15	PD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260D Certifications:	11/21/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 13:15	PD



Sample Information

Client Sample ID: MW-105

York Sample ID: 24K1290-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24K1290

350-352 Liberty St. / NEW6313.RA

Ground Water

November 15, 2024 3:05 pm

11/18/2024

VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 13:15	PD
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 13:15	PD
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 13:15	PD
1330-20-7	Xylenes, Total	ND		ug/L	0.839	1.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 13:15	PD
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	106 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	97.5 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	97.8 %	79-122								

Volatile Organics, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.0		ug/L			1	EPA 8260C Certifications:	11/21/2024 08:00	11/21/2024 13:15	PD

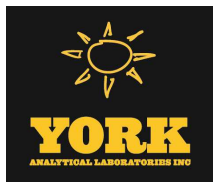
SVOA, 8270 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:53	SS
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:53	SS
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:53	SS
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:53	SS
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:53	SS
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:53	SS
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:53	SS
105-67-9	2,4-Dimethylphenol	ND	ICVE	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:53	SS
51-28-5	2,4-Dinitrophenol	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:53	SS



Sample Information

Client Sample ID: MW-105

York Sample ID: 24K1290-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24K1290

350-352 Liberty St. / NEW6313.RA

Ground Water

November 15, 2024 3:05 pm

11/18/2024

SVOA, 8270 LOW MASTER

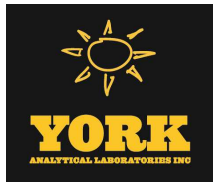
Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:53	SS
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:53	SS
91-58-7	2-Chloronaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:53	SS
95-57-8	2-Chlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:53	SS
91-57-6	2-Methylnaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:53	SS
95-48-7	2-Methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:53	SS
88-74-4	2-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:53	SS
88-75-5	2-Nitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:53	SS
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:53	SS
91-94-1	3,3-Dichlorobenzidine	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:53	SS
99-09-2	3-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:53	SS
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:53	SS
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:53	SS
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:53	SS
106-47-8	4-Chloroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:53	SS
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:53	SS
100-01-6	4-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:53	SS
100-02-7	4-Nitrophenol	ND		ug/L	5.00	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:53	SS
98-86-2	Acetophenone	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:53	SS
62-53-3	Aniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:53	SS
100-52-7	Benzaldehyde	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:53	SS
92-87-5	Benzidine	ND	CAL-E, CCVE	ug/L	5.00	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:53	SS





Sample Information

Client Sample ID: MW-105

York Sample ID: 24K1290-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24K1290

350-352 Liberty St. / NEW6313.RA

Ground Water

November 15, 2024 3:05 pm

11/18/2024

SVOA, 8270 LOW MASTER

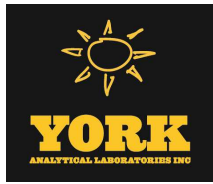
Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
65-85-0	Benzoic acid	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:53	SS
100-51-6	Benzyl alcohol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:53	SS
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:53	SS
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:53	SS
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.00	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:53	SS
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:53	SS
105-60-2	Caprolactam	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:53	SS
86-74-8	Carbazole	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:53	SS
132-64-9	Dibenzofuran	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:53	SS
84-66-2	Diethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:53	SS
131-11-3	Dimethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:53	SS
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:53	SS
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:53	SS
122-39-4	Diphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:53	SS
77-47-4	Hexachlorocyclopentadiene	ND	CCVE, ICVE	ug/L	5.00	10.0	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:53	SS
78-59-1	Isophorone	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:53	SS
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:53	SS
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:53	SS
108-95-2	Phenol	ND		ug/L	0.750	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:53	SS
110-86-1	Pyridine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 10:53	SS
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	16.3 %	S-08	19.7-63.1							
13127-88-3	Surrogate: SURR: Phenol-d6	9.22 %	S-08	10.1-41.7							





Sample Information

Client Sample ID: MW-105

York Sample ID: 24K1290-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24K1290

350-352 Liberty St. / NEW6313.RA

Ground Water

November 15, 2024 3:05 pm

11/18/2024

SVOA, 8270 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	41.4 %	S-08		50.2-113						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	35.2 %	S-08		39.9-105						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	42.2 %			39.3-151						
1718-51-0	Surrogate: SURR: Terphenyl-d14	40.4 %			30.7-106						

SVOA, 8270 SIM MASTER

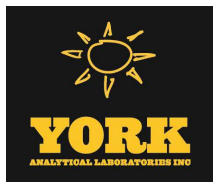
Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 13:13	SS
208-96-8	Acenaphthylene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 13:13	SS
120-12-7	Anthracene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 13:13	SS
1912-24-9	Atrazine	ND	ICVE	ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	11/22/2024 15:52	11/25/2024 13:13	SS
56-55-3	Benzo(a)anthracene	ND	CAL-E	ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 13:13	SS
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 13:13	SS
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 13:13	SS
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 13:13	SS
207-08-9	Benzo(k)fluoranthene	ND	CAL-E	ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 13:13	SS
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	11/22/2024 15:52	11/25/2024 13:13	SS
218-01-9	Chrysene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 13:13	SS
53-70-3	Dibenzo(a,h)anthracene	ND	CAL-E	ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 13:13	SS
206-44-0	Fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 13:13	SS
86-73-7	Fluorene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 13:13	SS
118-74-1	Hexachlorobenzene	ND		ug/L	0.0200	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	11/22/2024 15:52	11/25/2024 13:13	SS
87-68-3	Hexachlorobutadiene	ND	CCVE, QL-02	ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	11/22/2024 15:52	11/25/2024 13:13	SS
67-72-1	Hexachloroethane	ND	QL-02	ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	11/22/2024 15:52	11/25/2024 13:13	SS





Sample Information

Client Sample ID: MW-105

York Sample ID: 24K1290-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24K1290

350-352 Liberty St. / NEW6313.RA

Ground Water

November 15, 2024 3:05 pm

11/18/2024

SVOA, 8270 SIM MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
193-39-5	Indeno(1,2,3-cd)pyrene	ND	CAL-E	ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 13:13	SS
91-20-3	Naphthalene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 13:13	SS
98-95-3	Nitrobenzene	ND	CCVE, ICVE, QL-02	ug/L	0.250	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	11/22/2024 15:52	11/25/2024 13:13	SS
62-75-9	N-Nitrosodimethylamine	ND	QL-02	ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	11/22/2024 15:52	11/25/2024 13:13	SS
87-86-5	Pentachlorophenol	ND		ug/L	0.250	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	11/22/2024 15:52	11/25/2024 13:13	SS
85-01-8	Phenanthrene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 13:13	SS
129-00-0	Pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:52	11/25/2024 13:13	SS

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270E SIM Certifications: NJDEP-CT005,NELAC-NY10854	11/19/2024 15:29	11/21/2024 13:15	SS
	Surrogate Recoveries	Result					Acceptance Range			
17647-74-4	Surrogate: 1,4-Dioxane-d8	72.0 %					36.6-118			

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	7.80		ng/L	0.442	1.66	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:24	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	13.0		ng/L	0.329	1.88	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:24	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	7.04		ng/L	0.667	1.88	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:24	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	6.03		ng/L	0.639	1.72	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:24	AM
335-67-1	Perfluorooctanoic acid (PFOA)	20.9		ng/L	0.395	1.88	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:24	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	29.2		ng/L	0.771	1.75	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:24	AM



Sample Information

Client Sample ID: MW-105

York Sample ID: 24K1290-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24K1290

350-352 Liberty St. / NEW6313.RA

Ground Water

November 15, 2024 3:05 pm

11/18/2024

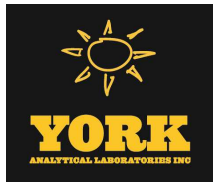
PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-95-1	Perfluorononanoic acid (PFNA)	2.67		ng/L	0.489	1.88	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:24	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.705	1.88	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:24	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.06	1.88	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:24	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.827	1.88	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:24	AM
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	ND		ng/L	0.695	1.88	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:24	AM
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.648	1.88	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:24	AM
2355-31-9	N-MeFOSAA	ND		ng/L	0.742	1.88	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:24	AM
2991-50-6	N-EtFOSAA	ND		ng/L	0.968	1.88	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:24	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	13.5		ng/L	0.216	3.76	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:24	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.827	1.88	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:24	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.855	1.80	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:24	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.24	1.81	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:24	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	7.05	7.14	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:24	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.93	7.22	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:24	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	7.08	J	ng/L	0.310	7.52	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:24	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	0.470	3.35	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/23/2024 13:02	11/25/2024 18:24	AM
151772-58-6	Perfluoro-3,6-dioxahheptanoic acid (NFDHA)	ND		ng/L	2.01	3.76	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/23/2024 13:02	11/25/2024 18:24	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.235	3.76	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/23/2024 13:02	11/25/2024 18:24	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.348	3.76	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/23/2024 13:02	11/25/2024 18:24	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	1.01	J	ng/L	0.714	1.77	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:24	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.68	7.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:24	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.04	7.52	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:24	AM



Sample Information

Client Sample ID: MW-105

York Sample ID: 24K1290-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24K1290

350-352 Liberty St. / NEW6313.RA

Ground Water

November 15, 2024 3:05 pm

11/18/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.30	7.11	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:24	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	0.658	7.03	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:24	AM
919005-14-4	ADONA	ND		ng/L	0.498	7.11	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:24	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.874	1.82	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 18:24	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.808	1.80	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:24	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	1.91	4.70	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 18:24	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	6.89	23.5	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 18:24	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	8.90	23.5	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 18:24	AM
24448-09-7	* N-MeFOSE	ND		ng/L	3.75	18.8	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 18:24	AM
31506-32-8	* N-MeFOSA	ND		ng/L	1.48	1.88	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 18:24	AM
1691-99-2	* N-EtFOSE	ND		ng/L	3.75	18.8	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 18:24	AM
4151-50-2	* N-EtFOSA	ND		ng/L	1.69	1.88	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 18:24	AM

Surrogate Recoveries		Result	Acceptance Range
M3PFBS	Surrogate: M3PFBS	112 %	25-150
13C5PFHXA	Surrogate: M5PFHxA	119 %	25-150
13C4PFHPA	Surrogate: M4PFHpA	142 %	25-150
13C3PFHXS	Surrogate: M3PFHxS	119 %	25-150
13C8PFOA	Surrogate: Perfluoro-n-[13C8]octanoic aci	113 %	25-150
13C6PFDA	Surrogate: M6PFDA	99.8 %	25-150
13C7PFUNA	Surrogate: M7PFUDa	108 %	25-150
960315-52-0	Surrogate: Perfluoro-n-[1,2-13C2]dodecan	132 %	25-150
13C2PFTEDA	Surrogate: M2PFTeDA	174 %	10-150
13C4PFBA	Surrogate: Perfluoro-n-[13C4]butanoic aci	84.7 %	25-150
13C8PFOS	Surrogate: Perfluoro-1-[13C8]octanesulfor	104 %	25-150
13C5PFPEA	Surrogate: Perfluoro-n-[13C5]pentanoic a	126 %	25-150
13C8FOSA	Surrogate: Perfluoro-1-[13C8]octanesulfor	112 %	10-150
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	116 %	25-150
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	103 %	25-150
M2-6:2FTS	Surrogate: M2-6:2 FTS	178 %	25-200
M2-8:2FTS	Surrogate: M2-8:2 FTS	154 %	25-200
13C9PFNA	Surrogate: M9PFNA	111 %	25-150

PFSu-H

120 RESEARCH DRIVE

STRATFORD, CT 06615



132-02 89th AVENUE

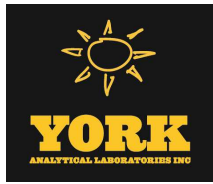
RICHMOND HILL, NY 11418

www.YORKLAB.com

(203) 325-1371

FAX (203) 357-0166

ClientServices@



Sample Information

Client Sample ID: MW-105

York Sample ID: 24K1290-02

York Project (SDG) No.

24K1290

Client Project ID

350-352 Liberty St. / NEW6313.RA

Matrix

Ground Water

Collection Date/Time

November 15, 2024 3:05 pm

Date Received

11/18/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
M2-4:2FTS	Surrogate: M2-4:2 FTS	145 %			25-150						
936109-37-4	Surrogate: d-N-MeFOSA	122 %			25-150						
936109-40-9	Surrogate: d-N-EtFOSA	122 %			25-150						
M3HFPO-DA	Surrogate: M3HFPO-DA	149 %			25-150						
D9-NETPFOSAI	Surrogate: d9-N-EtFOSE	94.6 %			25-150						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	88.3 %			25-150						

Semi-Volatiles, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.00		ug/L			1	EPA 8270D Certifications:	11/22/2024 15:52	11/25/2024 10:53	SS

Metals, RCRA (no Hg) by 6020

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:27	cw
7440-39-3	Barium	141		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:27	cw
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:27	cw
7440-47-3	Chromium	1.13		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:27	cw
7439-92-1	Lead	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:27	cw
7782-49-2	Selenium	1.56		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:27	cw
7440-22-4	Silver	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:27	cw

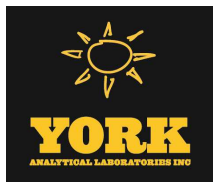
Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 08:16	11/22/2024 08:16	PFA



Sample Information

Client Sample ID: MW-202

York Sample ID: 24K1290-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24K1290

350-352 Liberty St. / NEW6313.RA

Ground Water

November 15, 2024 4:45 pm

11/18/2024

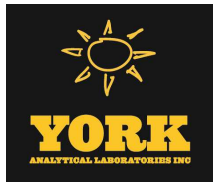
VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:02	PD
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:02	PD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:02	PD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:02	PD
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:02	PD
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:02	PD
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:02	PD
87-61-6	1,2,3-Trichlorobenzene	0.320	B	ug/L	0.222	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 08:00	11/21/2024 15:02	PD
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 08:00	11/21/2024 15:02	PD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 08:00	11/21/2024 15:02	PD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:02	PD
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:02	PD
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:02	PD
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:02	PD
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:02	PD
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:02	PD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:02	PD
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:02	PD
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:02	PD
123-91-1	1,4-Dioxane	ND		ug/L	35.3	80.0	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 08:00	11/21/2024 15:02	PD
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:02	PD



Sample Information

Client Sample ID: MW-202

York Sample ID: 24K1290-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24K1290

350-352 Liberty St. / NEW6313.RA

Ground Water

November 15, 2024 4:45 pm

11/18/2024

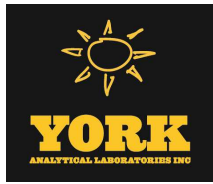
VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.320	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:02	PD
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:02	PD
67-64-1	Acetone	ND		ug/L	1.34	2.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:02	PD
107-02-8	Acrolein	0.920	CCVE, B	ug/L	0.447	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:02	PD
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:02	PD
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:02	PD
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 08:00	11/21/2024 15:02	PD
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:02	PD
75-25-2	Bromoform	ND		ug/L	0.163	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:02	PD
74-83-9	Bromomethane	ND	CCVE	ug/L	0.119	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:02	PD
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:02	PD
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:02	PD
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:02	PD
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:02	PD
67-66-3	Chloroform	1.16		ug/L	0.243	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:02	PD
74-87-3	Chloromethane	ND	CCVE	ug/L	0.372	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:02	PD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:02	PD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:02	PD
110-82-7	Cyclohexane	ND		ug/L	0.491	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 08:00	11/21/2024 15:02	PD
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:02	PD
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 08:00	11/21/2024 15:02	PD



Sample Information

Client Sample ID: MW-202

York Sample ID: 24K1290-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24K1290

350-352 Liberty St. / NEW6313.RA

Ground Water

November 15, 2024 4:45 pm

11/18/2024

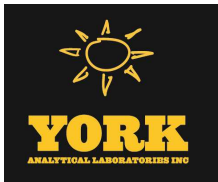
VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-71-8	Dichlorodifluoromethane	ND	CCVE, ICVE, QL-02	ug/L	0.451	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 08:00	11/21/2024 15:02	PD
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:02	PD
87-68-3	Hexachlorobutadiene	0.250		ug/L	0.241	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 08:00	11/21/2024 15:02	PD
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:02	PD
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 08:00	11/21/2024 15:02	PD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:02	PD
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 08:00	11/21/2024 15:02	PD
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:02	PD
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:02	PD
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:02	PD
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	11/21/2024 08:00	11/21/2024 15:02	PD
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	11/21/2024 08:00	11/21/2024 15:02	PD
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:02	PD
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:02	PD
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:02	PD
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.608	1.00	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 08:00	11/21/2024 15:02	PD
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:02	PD
127-18-4	Tetrachloroethylene	ND	CCVE, ICVE, QL-02	ug/L	0.239	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:02	PD
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:02	PD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:02	PD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:02	PD



Sample Information

Client Sample ID: MW-202		York Sample ID: 24K1290-03			
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received	
24K1290	350-352 Liberty St. / NEW6313.RA	Ground Water	November 15, 2024 4:45 pm	11/18/2024	

VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:02	PD
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:02	PD
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:02	PD
1330-20-7	Xylenes, Total	ND		ug/L	0.839	1.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:02	PD
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	109 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	96.7 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	98.1 %	79-122								

Volatile Organics, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.0		ug/L			1	EPA 8260C Certifications:	11/21/2024 08:00	11/21/2024 15:02	PD

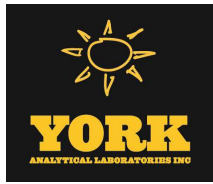
SVOA, 8270 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 13:21	SS
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 13:21	SS
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 13:21	SS
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 13:21	SS
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:21	SS
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:21	SS
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:21	SS
105-67-9	2,4-Dimethylphenol	ND	ICVE	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:21	SS
51-28-5	2,4-Dinitrophenol	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:21	SS



Sample Information

Client Sample ID: MW-202

York Sample ID: 24K1290-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24K1290

350-352 Liberty St. / NEW6313.RA

Ground Water

November 15, 2024 4:45 pm

11/18/2024

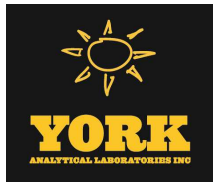
SVOA, 8270 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:21	SS
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:21	SS
91-58-7	2-Chloronaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:21	SS
95-57-8	2-Chlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:21	SS
91-57-6	2-Methylnaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:21	SS
95-48-7	2-Methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:21	SS
88-74-4	2-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:21	SS
88-75-5	2-Nitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:21	SS
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:21	SS
91-94-1	3,3-Dichlorobenzidine	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:21	SS
99-09-2	3-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:21	SS
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:21	SS
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:21	SS
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:21	SS
106-47-8	4-Chloroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:21	SS
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:21	SS
100-01-6	4-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:21	SS
100-02-7	4-Nitrophenol	ND		ug/L	5.00	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:21	SS
98-86-2	Acetophenone	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 13:21	SS
62-53-3	Aniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 13:21	SS
100-52-7	Benzaldehyde	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 13:21	SS
92-87-5	Benzidine	ND	CAL-E, CCVE	ug/L	5.00	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:21	SS



Sample Information

<u>Client Sample ID:</u> MW-202			<u>York Sample ID:</u> 24K1290-03	
<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
24K1290	350-352 Liberty St. / NEW6313.RA	Ground Water	November 15, 2024 4:45 pm	11/18/2024

SVOA, 8270 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
65-85-0	Benzoic acid	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 13:21	SS
100-51-6	Benzyl alcohol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 13:21	SS
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:21	SS
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:21	SS
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.00	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:21	SS
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:21	SS
105-60-2	Caprolactam	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 13:21	SS
86-74-8	Carbazole	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:21	SS
132-64-9	Dibenzofuran	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:21	SS
84-66-2	Diethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:21	SS
131-11-3	Dimethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:21	SS
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:21	SS
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:21	SS
122-39-4	Diphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,PADEP-68-04440	11/21/2024 08:22	11/22/2024 13:21	SS
77-47-4	Hexachlorocyclopentadiene	ND	ICVE	ug/L	5.00	10.0	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:21	SS
78-59-1	Isophorone	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:21	SS
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:21	SS
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:21	SS
108-95-2	Phenol	ND		ug/L	0.750	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:21	SS
110-86-1	Pyridine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:21	SS
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	28.9 %	19.7-63.1								
13127-88-3	Surrogate: SURR: Phenol-d6	15.4 %	10.1-41.7								



Sample Information

Client Sample ID: MW-202

York Sample ID: 24K1290-03

York Project (SDG) No.
24K1290

Client Project ID
350-352 Liberty St. / NEW6313.RA

Matrix
Ground Water

Collection Date/Time
November 15, 2024 4:45 pm

Date Received
11/18/2024

SVOA, 8270 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	72.8 %			50.2-113						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	62.4 %			39.9-105						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	87.1 %			39.3-151						
1718-51-0	Surrogate: SURR: Terphenyl-d14	73.0 %			30.7-106						

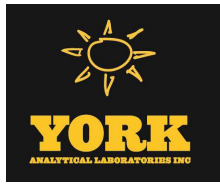
SVOA, 8270 SIM MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 15:35	SS
208-96-8	Acenaphthylene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 15:35	SS
120-12-7	Anthracene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 15:35	SS
1912-24-9	Atrazine	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	11/21/2024 08:22	11/22/2024 15:35	SS
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 15:35	SS
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 15:35	SS
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 15:35	SS
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 15:35	SS
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 15:35	SS
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	11/21/2024 08:22	11/22/2024 15:35	SS
218-01-9	Chrysene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 15:35	SS
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 15:35	SS
206-44-0	Fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 15:35	SS
86-73-7	Fluorene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 15:35	SS
118-74-1	Hexachlorobenzene	ND		ug/L	0.0200	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	11/21/2024 08:22	11/22/2024 15:35	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	11/21/2024 08:22	11/22/2024 15:35	SS
67-72-1	Hexachloroethane	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	11/21/2024 08:22	11/22/2024 15:35	SS



Sample Information

Client Sample ID: MW-202			York Sample ID: 24K1290-03		
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received	
24K1290	350-352 Liberty St. / NEW6313.RA	Ground Water	November 15, 2024 4:45 pm	11/18/2024	

SVOA, 8270 SIM MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 15:35	SS
91-20-3	Naphthalene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 15:35	SS
98-95-3	Nitrobenzene	ND		ug/L	0.250	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	11/21/2024 08:22	11/22/2024 15:35	SS
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	11/21/2024 08:22	11/22/2024 15:35	SS
87-86-5	Pentachlorophenol	ND		ug/L	0.250	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	11/21/2024 08:22	11/22/2024 15:35	SS
85-01-8	Phenanthrene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 15:35	SS
129-00-0	Pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 15:35	SS

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270E SIM Certifications: NJDEP-CT005,NELAC-NY10854	11/19/2024 15:29	11/21/2024 11:46	SS
Surrogate Recoveries		Result	Acceptance Range							
17647-74-4	Surrogate: 1,4-Dioxane-d8	76.0 %	36.6-118							

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	6.88		ng/L	0.439	1.65	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:12	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	7.39		ng/L	0.327	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:12	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	5.23		ng/L	0.662	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:12	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	6.06		ng/L	0.634	1.71	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:12	AM
335-67-1	Perfluorooctanoic acid (PFOA)	14.6		ng/L	0.392	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:12	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	19.4		ng/L	0.765	1.74	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:12	AM
375-95-1	Perfluorononanoic acid (PFNA)	2.41		ng/L	0.485	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:12	AM



Sample Information

Client Sample ID: MW-202

York Sample ID: 24K1290-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24K1290

350-352 Liberty St. / NEW6313.RA

Ground Water

November 15, 2024 4:45 pm

11/18/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.700	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:12	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.05	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:12	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.821	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:12	AM
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.690	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:12	AM
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.644	1.87	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:12	AM
2355-31-9	N-MeFOSAA	ND		ng/L	0.737	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:12	AM
2991-50-6	N-EtFOSAA	ND		ng/L	0.961	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:12	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	8.55		ng/L	0.215	3.73	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:12	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.821	1.87	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:12	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.849	1.78	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:12	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.23	1.80	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:12	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	7.00	7.09	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:12	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.91	7.17	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:12	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	7.74		ng/L	0.308	7.46	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:12	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEsA)	ND		ng/L	0.467	3.32	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/23/2024 13:02	11/25/2024 19:12	AM
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	2.00	3.73	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/23/2024 13:02	11/25/2024 19:12	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.233	3.73	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/23/2024 13:02	11/25/2024 19:12	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.345	3.73	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/23/2024 13:02	11/25/2024 19:12	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	0.867	J	ng/L	0.709	1.75	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:12	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.67	7.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:12	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.01	7.46	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:12	AM
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.29	7.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:12	AM



Sample Information

Client Sample ID: MW-202

York Sample ID: 24K1290-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24K1290

350-352 Liberty St. / NEW6313.RA

Ground Water

November 15, 2024 4:45 pm

11/18/2024

PFAS, EPA 1633 Target List

Log-in Notes:

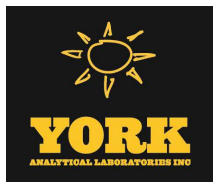
Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
756426-58-1	9CL-PF3ONS	ND		ng/L	0.653	6.98	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:12	AM
919005-14-4	ADONA	ND		ng/L	0.494	7.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:12	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.868	1.81	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 19:12	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.802	1.79	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:12	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	1.89	4.67	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 19:12	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	6.84	23.3	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 19:12	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	8.84	23.3	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 19:12	AM
24448-09-7	* N-MeFOSE	ND		ng/L	3.72	18.7	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 19:12	AM
31506-32-8	* N-MeFOSA	ND		ng/L	1.47	1.87	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 19:12	AM
1691-99-2	* N-EtFOSE	ND		ng/L	3.72	18.7	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 19:12	AM
4151-50-2	* N-EtFOSA	ND		ng/L	1.68	1.87	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 19:12	AM

Surrogate Recoveries		Result	Acceptance Range	
M3PFBS	Surrogate: M3PFBS	128 %	25-150	
13C5PFHXA	Surrogate: M5PFHxA	136 %	25-150	
13C4PFHPA	Surrogate: M4PFHPA	156 %	PFSu-H	25-150
13C3PFHXS	Surrogate: M3PFHxS	130 %		25-150
13C8PFOA	Surrogate: Perfluoro-n-[13C8]octanoic aci	130 %		25-150
13C6PFDA	Surrogate: M6PFDA	125 %		25-150
13C7PFUNA	Surrogate: M7PFUDa	140 %	25-150	
960315-52-0	Surrogate: Perfluoro-n-[1,2-13C2]dodecan	154 %	PFSu-H	25-150
13C2PFTEDA	Surrogate: M2PFTeDA	184 %	PFSu-H	10-150
13C4PFBA	Surrogate: Perfluoro-n-[13C4]butanoic aci	38.4 %	25-150	
13C8PFOS	Surrogate: Perfluoro-1-[13C8]octanesulfo	120 %	25-150	
13C5PFPEA	Surrogate: Perfluoro-n-[13C5]pentanoic a	129 %	25-150	
13C8FOSA	Surrogate: Perfluoro-1-[13C8]octanesulfo	107 %	10-150	
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	114 %	25-150	
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	102 %	25-150	
M2-6:2FTS	Surrogate: M2-6:2 FTS	207 %	PFSu-H	25-200
M2-8:2FTS	Surrogate: M2-8:2 FTS	166 %		25-200
13C9PFNA	Surrogate: M9PFNA	119 %	25-150	
M2-4:2FTS	Surrogate: M2-4:2 FTS	169 %	PFSu-H	25-150
936109-37-4	Surrogate: d-N-MeFOSA	117 %	25-150	





Sample Information

Client Sample ID: MW-202

York Sample ID: 24K1290-03

York Project (SDG) No.
24K1290

Client Project ID
350-352 Liberty St. / NEW6313.RA

Matrix
Ground Water

Collection Date/Time
November 15, 2024 4:45 pm

Date Received
11/18/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
936109-40-9	Surrogate: d-N-EtFOSA	125 %			25-150						
M3HFPO-DA	Surrogate: M3HFPO-DA	170 %	PFSu-H		25-150						
D9-NETPFOSAI	Surrogate: d9-N-EtFOSE	89.0 %			25-150						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	82.0 %			25-150						

Semi-Volatiles, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.00		ug/L			1	EPA 8270D Certifications:	11/21/2024 08:22	11/22/2024 13:21	SS

Metals, RCRA (no Hg) by 6020

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:41	cw
7440-39-3	Barium	147		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:41	cw
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:41	cw
7440-47-3	Chromium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:41	cw
7439-92-1	Lead	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:41	cw
7782-49-2	Selenium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:41	cw
7440-22-4	Silver	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:41	cw

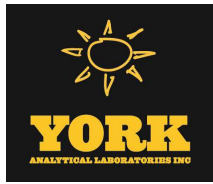
Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 08:16	11/22/2024 08:16	PFA



Sample Information

Client Sample ID: MW-201

York Sample ID: 24K1290-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24K1290

350-352 Liberty St. / NEW6313.RA

Ground Water

November 15, 2024 4:56 pm

11/18/2024

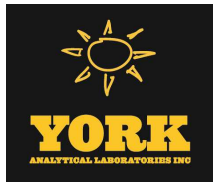
VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:29	PD
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:29	PD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:29	PD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:29	PD
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:29	PD
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:29	PD
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:29	PD
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 08:00	11/21/2024 15:29	PD
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 08:00	11/21/2024 15:29	PD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 08:00	11/21/2024 15:29	PD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:29	PD
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:29	PD
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:29	PD
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:29	PD
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:29	PD
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:29	PD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:29	PD
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:29	PD
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:29	PD
123-91-1	1,4-Dioxane	ND		ug/L	35.3	80.0	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 08:00	11/21/2024 15:29	PD
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:29	PD



Sample Information

Client Sample ID: MW-201

York Sample ID: 24K1290-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24K1290

350-352 Liberty St. / NEW6313.RA

Ground Water

November 15, 2024 4:56 pm

11/18/2024

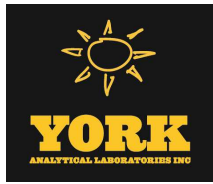
VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.320	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:29	PD
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:29	PD
67-64-1	Acetone	ND		ug/L	1.34	2.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:29	PD
107-02-8	Acrolein	1.08	CCVE, B	ug/L	0.447	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:29	PD
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:29	PD
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:29	PD
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 08:00	11/21/2024 15:29	PD
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:29	PD
75-25-2	Bromoform	ND		ug/L	0.163	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:29	PD
74-83-9	Bromomethane	ND	CCVE	ug/L	0.119	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:29	PD
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:29	PD
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:29	PD
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:29	PD
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:29	PD
67-66-3	Chloroform	0.800		ug/L	0.243	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:29	PD
74-87-3	Chloromethane	ND	CCVE	ug/L	0.372	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:29	PD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:29	PD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:29	PD
110-82-7	Cyclohexane	ND		ug/L	0.491	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 08:00	11/21/2024 15:29	PD
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:29	PD
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 08:00	11/21/2024 15:29	PD



Sample Information

Client Sample ID: MW-201

York Sample ID: 24K1290-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24K1290

350-352 Liberty St. / NEW6313.RA

Ground Water

November 15, 2024 4:56 pm

11/18/2024

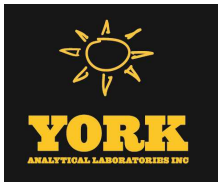
VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-71-8	Dichlorodifluoromethane	ND	CCVE, ICVE, QL-02	ug/L	0.451	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 08:00	11/21/2024 15:29	PD
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:29	PD
87-68-3	Hexachlorobutadiene	ND		ug/L	0.241	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 08:00	11/21/2024 15:29	PD
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:29	PD
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 08:00	11/21/2024 15:29	PD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:29	PD
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 08:00	11/21/2024 15:29	PD
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:29	PD
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:29	PD
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:29	PD
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	11/21/2024 08:00	11/21/2024 15:29	PD
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	11/21/2024 08:00	11/21/2024 15:29	PD
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:29	PD
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:29	PD
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:29	PD
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.608	1.00	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 08:00	11/21/2024 15:29	PD
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:29	PD
127-18-4	Tetrachloroethylene	ND	CCVE, ICVE, QL-02	ug/L	0.239	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:29	PD
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:29	PD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:29	PD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:29	PD



Sample Information

<u>Client Sample ID:</u> MW-201			<u>York Sample ID:</u> 24K1290-04	
<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
24K1290	350-352 Liberty St. / NEW6313.RA	Ground Water	November 15, 2024 4:56 pm	11/18/2024

VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:29	PD
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:29	PD
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:29	PD
1330-20-7	Xylenes, Total	ND		ug/L	0.839	1.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:29	PD
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	106 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	96.3 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	97.9 %	79-122								

Volatile Organics, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.0		ug/L			1	EPA 8260C Certifications:	11/21/2024 08:00	11/21/2024 15:29	PD

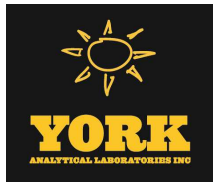
SVOA, 8270 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 13:51	SS
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 13:51	SS
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 13:51	SS
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 13:51	SS
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:51	SS
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:51	SS
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:51	SS
105-67-9	2,4-Dimethylphenol	ND	ICVE	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:51	SS
51-28-5	2,4-Dinitrophenol	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:51	SS



Sample Information

Client Sample ID: MW-201

York Sample ID: 24K1290-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24K1290

350-352 Liberty St. / NEW6313.RA

Ground Water

November 15, 2024 4:56 pm

11/18/2024

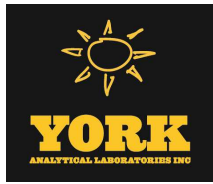
SVOA, 8270 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:51	SS
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:51	SS
91-58-7	2-Chloronaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:51	SS
95-57-8	2-Chlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:51	SS
91-57-6	2-Methylnaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:51	SS
95-48-7	2-Methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:51	SS
88-74-4	2-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:51	SS
88-75-5	2-Nitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:51	SS
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:51	SS
91-94-1	3,3-Dichlorobenzidine	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:51	SS
99-09-2	3-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:51	SS
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:51	SS
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:51	SS
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:51	SS
106-47-8	4-Chloroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:51	SS
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:51	SS
100-01-6	4-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:51	SS
100-02-7	4-Nitrophenol	ND		ug/L	5.00	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:51	SS
98-86-2	Acetophenone	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 13:51	SS
62-53-3	Aniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 13:51	SS
100-52-7	Benzaldehyde	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 13:51	SS
92-87-5	Benzidine	ND	CAL-E, CCVE	ug/L	5.00	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:51	SS



Sample Information

<u>Client Sample ID:</u> MW-201			<u>York Sample ID:</u> 24K1290-04	
<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
24K1290	350-352 Liberty St. / NEW6313.RA	Ground Water	November 15, 2024 4:56 pm	11/18/2024

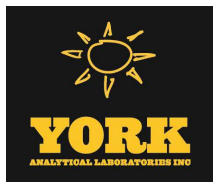
SVOA, 8270 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
65-85-0	Benzoic acid	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 13:51	SS
100-51-6	Benzyl alcohol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 13:51	SS
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:51	SS
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:51	SS
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.00	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:51	SS
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:51	SS
105-60-2	Caprolactam	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 13:51	SS
86-74-8	Carbazole	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:51	SS
132-64-9	Dibenzofuran	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:51	SS
84-66-2	Diethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:51	SS
131-11-3	Dimethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:51	SS
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:51	SS
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:51	SS
122-39-4	Diphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,PADEP-68-04440	11/21/2024 08:22	11/22/2024 13:51	SS
77-47-4	Hexachlorocyclopentadiene	ND	ICVE	ug/L	5.00	10.0	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:51	SS
78-59-1	Isophorone	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:51	SS
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:51	SS
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:51	SS
108-95-2	Phenol	ND		ug/L	0.750	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:51	SS
110-86-1	Pyridine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:51	SS
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	31.6 %	19.7-63.1								
13127-88-3	Surrogate: SURR: Phenol-d6	17.3 %	10.1-41.7								



Sample Information

Client Sample ID: MW-201

York Sample ID: 24K1290-04

York Project (SDG) No.
24K1290

Client Project ID
350-352 Liberty St. / NEW6313.RA

Matrix
Ground Water

Collection Date/Time
November 15, 2024 4:56 pm

Date Received
11/18/2024

SVOA, 8270 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	71.2 %			50.2-113						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	62.8 %			39.9-105						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	86.3 %			39.3-151						
1718-51-0	Surrogate: SURR: Terphenyl-d14	71.2 %			30.7-106						

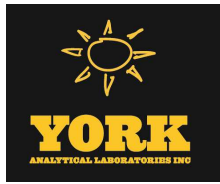
SVOA, 8270 SIM MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 16:05	SS
208-96-8	Acenaphthylene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 16:05	SS
120-12-7	Anthracene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 16:05	SS
1912-24-9	Atrazine	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	11/21/2024 08:22	11/22/2024 16:05	SS
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 16:05	SS
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 16:05	SS
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 16:05	SS
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 16:05	SS
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 16:05	SS
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	11/21/2024 08:22	11/22/2024 16:05	SS
218-01-9	Chrysene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 16:05	SS
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 16:05	SS
206-44-0	Fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 16:05	SS
86-73-7	Fluorene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 16:05	SS
118-74-1	Hexachlorobenzene	ND		ug/L	0.0200	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	11/21/2024 08:22	11/22/2024 16:05	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	11/21/2024 08:22	11/22/2024 16:05	SS
67-72-1	Hexachloroethane	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	11/21/2024 08:22	11/22/2024 16:05	SS



Sample Information

Client Sample ID: MW-201		York Sample ID: 24K1290-04			
York Project (SDG) No. 24K1290	Client Project ID 350-352 Liberty St. / NEW6313.RA	Matrix Ground Water	Collection Date/Time November 15, 2024 4:56 pm	Date Received 11/18/2024	

SVOA, 8270 SIM MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 16:05	SS
91-20-3	Naphthalene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 16:05	SS
98-95-3	Nitrobenzene	ND		ug/L	0.250	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	11/21/2024 08:22	11/22/2024 16:05	SS
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	11/21/2024 08:22	11/22/2024 16:05	SS
87-86-5	Pentachlorophenol	ND		ug/L	0.250	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	11/21/2024 08:22	11/22/2024 16:05	SS
85-01-8	Phenanthrene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 16:05	SS
129-00-0	Pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 16:05	SS

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270E SIM Certifications: NJDEP-CT005,NELAC-NY10854	11/19/2024 15:29	11/21/2024 12:04	SS
Surrogate Recoveries		Result	Acceptance Range							
17647-74-4	Surrogate: 1,4-Dioxane-d8	72.0 %	36.6-118							

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	6.75		ng/L	0.438	1.65	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:28	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	7.58		ng/L	0.326	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:28	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	5.21		ng/L	0.662	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:28	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	5.43		ng/L	0.634	1.71	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:28	AM
335-67-1	Perfluorooctanoic acid (PFOA)	13.6		ng/L	0.392	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:28	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	23.5		ng/L	0.765	1.73	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:28	AM
375-95-1	Perfluorononanoic acid (PFNA)	2.13		ng/L	0.485	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:28	AM



Sample Information

Client Sample ID: MW-201

York Sample ID: 24K1290-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24K1290

350-352 Liberty St. / NEW6313.RA

Ground Water

November 15, 2024 4:56 pm

11/18/2024

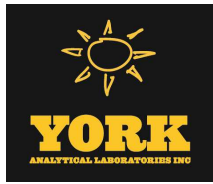
PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.699	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:28	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.05	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:28	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.821	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:28	AM
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.690	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:28	AM
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.644	1.87	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:28	AM
2355-31-9	N-MeFOSAA	ND		ng/L	0.737	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:28	AM
2991-50-6	N-EtFOSAA	ND		ng/L	0.961	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:28	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	8.52		ng/L	0.215	3.73	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:28	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.821	1.87	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:28	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.849	1.78	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:28	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.23	1.80	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:28	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	6.99	7.09	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:28	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.91	7.16	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:28	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.308	7.46	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:28	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	0.466	3.32	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/23/2024 13:02	11/25/2024 19:28	AM
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	2.00	3.73	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/23/2024 13:02	11/25/2024 19:28	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.233	3.73	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/23/2024 13:02	11/25/2024 19:28	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.345	3.73	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/23/2024 13:02	11/25/2024 19:28	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	1.13	J	ng/L	0.709	1.75	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:28	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.67	6.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:28	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.01	7.46	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:28	AM
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.29	7.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:28	AM



Sample Information

Client Sample ID: MW-201		York Sample ID: 24K1290-04			
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received	
24K1290	350-352 Liberty St. / NEW6313.RA	Ground Water	November 15, 2024 4:56 pm	11/18/2024	

PFAS, EPA 1633 Target List

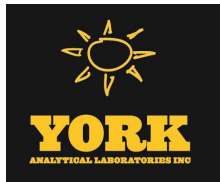
Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
756426-58-1	9CL-PF3ONS	ND		ng/L	0.653	6.98	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:28	AM
919005-14-4	ADONA	ND		ng/L	0.494	7.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:28	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.867	1.81	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 19:28	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.802	1.79	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:28	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	1.89	4.66	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 19:28	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	6.84	23.3	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 19:28	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	8.83	23.3	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 19:28	AM
24448-09-7	* N-MeFOSE	ND		ng/L	3.72	18.7	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 19:28	AM
31506-32-8	* N-MeFOSA	ND		ng/L	1.47	1.87	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 19:28	AM
1691-99-2	* N-EtFOSE	ND		ng/L	3.72	18.7	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 19:28	AM
4151-50-2	* N-EtFOSA	ND		ng/L	1.68	1.87	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 19:28	AM

Surrogate Recoveries		Result	Acceptance Range
M3PFBS	Surrogate: M3PFBS	102 %	25-150
13C5PFHXA	Surrogate: M5PFHxA	114 %	25-150
13C4PFHPA	Surrogate: M4PFHpA	121 %	25-150
13C3PFHXS	Surrogate: M3PFHxS	111 %	25-150
13C8PFOA	Surrogate: Perfluoro-n-[13C8]octanoic aci	106 %	25-150
13C6PFDA	Surrogate: M6PFDA	95.3 %	25-150
13C7PFUNA	Surrogate: M7PFUdA	99.1 %	25-150
960315-52-0	Surrogate: Perfluoro-n-[1,2-13C2]dodecan	97.1 %	25-150
13C2PFTEDA	Surrogate: M2PFTeDA	126 %	10-150
13C4PFBA	Surrogate: Perfluoro-n-[13C4]butanoic aci	28.3 %	25-150
13C8PFOS	Surrogate: Perfluoro-1-[13C8]octanesulfoi	99.5 %	25-150
13C5PFPEA	Surrogate: Perfluoro-n-[13C5]pentanoic a	102 %	25-150
13C8FOSA	Surrogate: Perfluoro-1-[13C8]octanesulfoi	94.6 %	10-150
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	91.2 %	25-150
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	85.7 %	25-150
M2-6:2FTS	Surrogate: M2-6:2 FTS	162 %	25-200
M2-8:2FTS	Surrogate: M2-8:2 FTS	126 %	25-200
13C9PFNA	Surrogate: M9PFNA	102 %	25-150
M2-4:2FTS	Surrogate: M2-4:2 FTS	140 %	25-150
936109-37-4	Surrogate: d-N-MeFOSA	86.4 %	25-150



Sample Information

<u>Client Sample ID:</u> MW-201			<u>York Sample ID:</u> 24K1290-04	
<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
24K1290	350-352 Liberty St. / NEW6313.RA	Ground Water	November 15, 2024 4:56 pm	11/18/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
936109-40-9	Surrogate: d-N-EtFOSA	90.6 %			25-150						
M3HFPO-DA	Surrogate: M3HFPO-DA	128 %			25-150						
D9-NETPFOSAI	Surrogate: d9-N-EtFOSE	77.6 %			25-150						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	70.8 %			25-150						

Semi-Volatiles, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.00		ug/L			1	EPA 8270D Certifications:	11/21/2024 08:22	11/22/2024 13:51	SS

Metals, RCRA (no Hg) by 6020

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:44	cw
7440-39-3	Barium	123		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:44	cw
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:44	cw
7440-47-3	Chromium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:44	cw
7439-92-1	Lead	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:44	cw
7782-49-2	Selenium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:44	cw
7440-22-4	Silver	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:44	cw

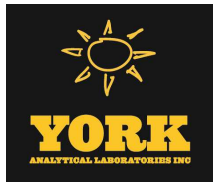
Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 08:16	11/22/2024 08:16	PFA



Sample Information

Client Sample ID: Dup

York Sample ID: 24K1290-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24K1290

350-352 Liberty St. / NEW6313.RA

Ground Water

November 15, 2024 12:01 am

11/18/2024

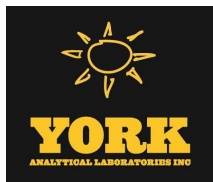
VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:55	PD
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:55	PD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:55	PD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:55	PD
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:55	PD
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:55	PD
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:55	PD
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 08:00	11/21/2024 15:55	PD
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 08:00	11/21/2024 15:55	PD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 08:00	11/21/2024 15:55	PD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:55	PD
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:55	PD
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:55	PD
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:55	PD
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:55	PD
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:55	PD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:55	PD
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:55	PD
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:55	PD
123-91-1	1,4-Dioxane	ND		ug/L	35.3	80.0	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 08:00	11/21/2024 15:55	PD
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:55	PD



Sample Information

Client Sample ID: Dup

York Sample ID: 24K1290-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24K1290

350-352 Liberty St. / NEW6313.RA

Ground Water

November 15, 2024 12:01 am

11/18/2024

VOA, 8260 LOW MASTER

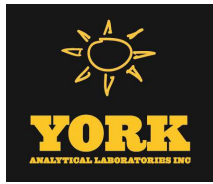
Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.320	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:55	PD
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:55	PD
67-64-1	Acetone	ND		ug/L	1.34	2.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:55	PD
107-02-8	Acrolein	1.25	CCVE, B	ug/L	0.447	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:55	PD
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:55	PD
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:55	PD
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 08:00	11/21/2024 15:55	PD
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:55	PD
75-25-2	Bromoform	ND		ug/L	0.163	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:55	PD
74-83-9	Bromomethane	ND	CCVE	ug/L	0.119	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:55	PD
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:55	PD
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:55	PD
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:55	PD
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:55	PD
67-66-3	Chloroform	1.13		ug/L	0.243	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:55	PD
74-87-3	Chloromethane	ND	CCVE	ug/L	0.372	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:55	PD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:55	PD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:55	PD
110-82-7	Cyclohexane	ND		ug/L	0.491	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 08:00	11/21/2024 15:55	PD
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:55	PD
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 08:00	11/21/2024 15:55	PD





Sample Information

Client Sample ID: Dup

York Sample ID: 24K1290-05

York Project (SDG) No.

Client Project ID

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Collection Date/Time

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24K1290

350-352 Liberty St. / NEW6313.RA

Ground Water

November 15, 2024 12:01 am

11/18/2024

VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-71-8	Dichlorodifluoromethane	ND	CCVE, ICVE, QL-02	ug/L	0.451	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 08:00	11/21/2024 15:55	PD
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:55	PD
87-68-3	Hexachlorobutadiene	ND		ug/L	0.241	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 08:00	11/21/2024 15:55	PD
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:55	PD
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 08:00	11/21/2024 15:55	PD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:55	PD
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 08:00	11/21/2024 15:55	PD
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:55	PD
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:55	PD
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:55	PD
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	11/21/2024 08:00	11/21/2024 15:55	PD
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	11/21/2024 08:00	11/21/2024 15:55	PD
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:55	PD
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:55	PD
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:55	PD
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.608	1.00	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 08:00	11/21/2024 15:55	PD
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:55	PD
127-18-4	Tetrachloroethylene	ND	ICVE, QL-02, CCVE	ug/L	0.239	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:55	PD
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:55	PD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:55	PD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:55	PD



Sample Information

Client Sample ID: Dup

York Sample ID: 24K1290-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24K1290

350-352 Liberty St. / NEW6313.RA

Ground Water

November 15, 2024 12:01 am

11/18/2024

VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:55	PD
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:55	PD
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:55	PD
1330-20-7	Xylenes, Total	ND		ug/L	0.839	1.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 15:55	PD
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	99.8 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	98.8 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	104 %	79-122								

Volatile Organics, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.0		ug/L			1	EPA 8260C Certifications:	11/21/2024 08:00	11/21/2024 15:55	PD

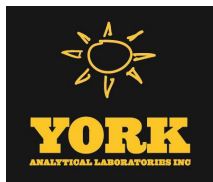
SVOA, 8270 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 14:21	SS
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 14:21	SS
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 14:21	SS
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 14:21	SS
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 14:21	SS
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 14:21	SS
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 14:21	SS
105-67-9	2,4-Dimethylphenol	ND	ICVE	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 14:21	SS
51-28-5	2,4-Dinitrophenol	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 14:21	SS



Sample Information

Client Sample ID: Dup

York Sample ID: 24K1290-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24K1290

350-352 Liberty St. / NEW6313.RA

Ground Water

November 15, 2024 12:01 am

11/18/2024

SVOA, 8270 LOW MASTER

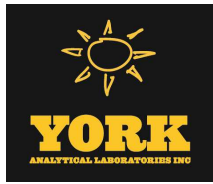
Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 14:21	SS
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 14:21	SS
91-58-7	2-Chloronaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 14:21	SS
95-57-8	2-Chlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 14:21	SS
91-57-6	2-Methylnaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 14:21	SS
95-48-7	2-Methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 14:21	SS
88-74-4	2-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 14:21	SS
88-75-5	2-Nitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 14:21	SS
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 14:21	SS
91-94-1	3,3-Dichlorobenzidine	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 14:21	SS
99-09-2	3-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 14:21	SS
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 14:21	SS
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 14:21	SS
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 14:21	SS
106-47-8	4-Chloroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 14:21	SS
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 14:21	SS
100-01-6	4-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 14:21	SS
100-02-7	4-Nitrophenol	ND		ug/L	5.00	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 14:21	SS
98-86-2	Acetophenone	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 14:21	SS
62-53-3	Aniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 14:21	SS
100-52-7	Benzaldehyde	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 14:21	SS
92-87-5	Benzidine	ND	CAL-E, CCVE	ug/L	5.00	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 14:21	SS





Sample Information

Client Sample ID: Dup		York Sample ID: 24K1290-05			
York Project (SDG) No. 24K1290	Client Project ID 350-352 Liberty St. / NEW6313.RA	Matrix Ground Water	Collection Date/Time November 15, 2024 12:01 am	Date Received 11/18/2024	

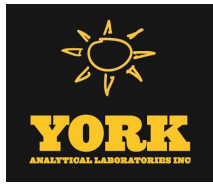
SVOA, 8270 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
65-85-0	Benzoic acid	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 14:21	SS
100-51-6	Benzyl alcohol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 14:21	SS
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 14:21	SS
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 14:21	SS
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.00	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 14:21	SS
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 14:21	SS
105-60-2	Caprolactam	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 14:21	SS
86-74-8	Carbazole	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 14:21	SS
132-64-9	Dibenzofuran	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 14:21	SS
84-66-2	Diethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 14:21	SS
131-11-3	Dimethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 14:21	SS
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 14:21	SS
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 14:21	SS
122-39-4	Diphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,PADEP-68-04440	11/21/2024 08:22	11/22/2024 14:21	SS
77-47-4	Hexachlorocyclopentadiene	ND	ICVE	ug/L	5.00	10.0	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 14:21	SS
78-59-1	Isophorone	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 14:21	SS
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 14:21	SS
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 14:21	SS
108-95-2	Phenol	ND		ug/L	0.750	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 14:21	SS
110-86-1	Pyridine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 14:21	SS
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	37.9 %	19.7-63.1								
13127-88-3	Surrogate: SURR: Phenol-d6	20.5 %	10.1-41.7								



Sample Information

Client Sample ID: Dup

York Sample ID: 24K1290-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24K1290

350-352 Liberty St. / NEW6313.RA

Ground Water

November 15, 2024 12:01 am

11/18/2024

SVOA, 8270 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	83.4 %			50.2-113						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	73.0 %			39.9-105						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	98.7 %			39.3-151						
1718-51-0	Surrogate: SURR: Terphenyl-d14	84.0 %			30.7-106						

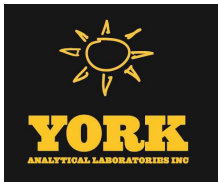
SVOA, 8270 SIM MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 16:36	SS
208-96-8	Acenaphthylene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 16:36	SS
120-12-7	Anthracene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 16:36	SS
1912-24-9	Atrazine	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	11/21/2024 08:22	11/22/2024 16:36	SS
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 16:36	SS
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 16:36	SS
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 16:36	SS
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 16:36	SS
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 16:36	SS
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	11/21/2024 08:22	11/22/2024 16:36	SS
218-01-9	Chrysene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 16:36	SS
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 16:36	SS
206-44-0	Fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 16:36	SS
86-73-7	Fluorene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 16:36	SS
118-74-1	Hexachlorobenzene	ND		ug/L	0.0200	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	11/21/2024 08:22	11/22/2024 16:36	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	11/21/2024 08:22	11/22/2024 16:36	SS
67-72-1	Hexachloroethane	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	11/21/2024 08:22	11/22/2024 16:36	SS



Sample Information

Client Sample ID: Dup		York Sample ID: 24K1290-05			
York Project (SDG) No. 24K1290	Client Project ID 350-352 Liberty St. / NEW6313.RA	Matrix Ground Water	Collection Date/Time November 15, 2024 12:01 am	Date Received 11/18/2024	

SVOA, 8270 SIM MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 16:36	SS
91-20-3	Naphthalene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 16:36	SS
98-95-3	Nitrobenzene	ND		ug/L	0.250	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	11/21/2024 08:22	11/22/2024 16:36	SS
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	11/21/2024 08:22	11/22/2024 16:36	SS
87-86-5	Pentachlorophenol	ND		ug/L	0.250	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	11/21/2024 08:22	11/22/2024 16:36	SS
85-01-8	Phenanthrene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 16:36	SS
129-00-0	Pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 16:36	SS

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270E SIM Certifications: NJDEP-CT005,NELAC-NY10854	11/19/2024 15:29	11/21/2024 12:22	SS
Surrogate Recoveries		Result	Acceptance Range							
17647-74-4	Surrogate: 1,4-Dioxane-d8	84.0 %	36.6-118							

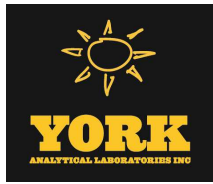
PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	6.77		ng/L	0.423	1.59	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:44	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	8.23		ng/L	0.315	1.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:44	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	4.46		ng/L	0.638	1.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:44	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	4.91		ng/L	0.611	1.65	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:44	AM
335-67-1	Perfluorooctanoic acid (PFOA)	13.0		ng/L	0.378	1.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:44	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	20.5		ng/L	0.737	1.67	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:44	AM
375-95-1	Perfluorononanoic acid (PFNA)	1.98		ng/L	0.467	1.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:44	AM



Sample Information

Client Sample ID: Dup

York Sample ID: 24K1290-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24K1290

350-352 Liberty St. / NEW6313.RA

Ground Water

November 15, 2024 12:01 am

11/18/2024

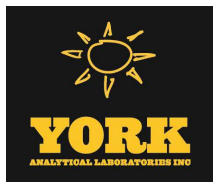
PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.674	1.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:44	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.02	1.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:44	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.791	1.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:44	AM
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.665	1.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:44	AM
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.620	1.80	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:44	AM
2355-31-9	N-MeFOSAA	ND		ng/L	0.710	1.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:44	AM
2991-50-6	N-EtFOSAA	ND		ng/L	0.926	1.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:44	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	8.48		ng/L	0.207	3.60	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:44	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.791	1.80	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:44	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.818	1.72	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:44	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.19	1.73	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:44	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	6.74	6.83	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:44	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.84	6.90	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:44	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	7.88		ng/L	0.297	7.19	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:44	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	0.449	3.20	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/23/2024 13:02	11/25/2024 19:44	AM
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	1.92	3.60	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/23/2024 13:02	11/25/2024 19:44	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.225	3.60	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/23/2024 13:02	11/25/2024 19:44	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.333	3.60	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/23/2024 13:02	11/25/2024 19:44	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	0.788	J	ng/L	0.683	1.69	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:44	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.61	6.74	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:44	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	2.90	7.19	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:44	AM
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.24	6.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:44	AM



Sample Information

Client Sample ID: Dup

York Sample ID: 24K1290-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24K1290

350-352 Liberty St. / NEW6313.RA

Ground Water

November 15, 2024 12:01 am

11/18/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
756426-58-1	9CL-PF3ONS	ND		ng/L	0.629	6.72	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:44	AM
919005-14-4	ADONA	ND		ng/L	0.476	6.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:44	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.836	1.74	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 19:44	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.773	1.73	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:44	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	1.82	4.49	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 19:44	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	6.59	22.5	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 19:44	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	8.51	22.5	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 19:44	AM
24448-09-7	* N-MeFOSE	ND		ng/L	3.59	18.0	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 19:44	AM
31506-32-8	* N-MeFOSA	ND		ng/L	1.42	1.80	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 19:44	AM
1691-99-2	* N-EtFOSE	ND		ng/L	3.59	18.0	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 19:44	AM
4151-50-2	* N-EtFOSA	ND		ng/L	1.62	1.80	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 19:44	AM

Surrogate Recoveries		Result	Acceptance Range	
M3PFBS	Surrogate: M3PFBS	116 %	25-150	
13C5PFHXA	Surrogate: M5PFHxA	123 %	25-150	
13C4PFHPA	Surrogate: M4PFHPA	147 %	25-150	
13C3PFHXS	Surrogate: M3PFHxS	126 %	25-150	
13C8PFOA	Surrogate: Perfluoro-n-[13C8]octanoic aci	131 %	25-150	
13C6PFDA	Surrogate: M6PFDA	94.3 %	25-150	
13C7PFUNA	Surrogate: M7PFUDa	102 %	25-150	
960315-52-0	Surrogate: Perfluoro-n-[1,2-13C2]dodecan	104 %	25-150	
13C2PFTEDA	Surrogate: M2PFTeDA	157 %	PFSu-H	10-150
13C4PFBA	Surrogate: Perfluoro-n-[13C4]butanoic aci	29.5 %		25-150
13C8PFOS	Surrogate: Perfluoro-1-[13C8]octanesulfo	120 %		25-150
13C5PFPEA	Surrogate: Perfluoro-n-[13C5]pentanoic a	119 %		25-150
13C8FOSA	Surrogate: Perfluoro-1-[13C8]octanesulfo	117 %		10-150
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	122 %	PFSu-H	25-150
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	114 %		25-150
M2-6:2FTS	Surrogate: M2-6:2 FTS	182 %		25-200
M2-8:2FTS	Surrogate: M2-8:2 FTS	153 %		25-200
13C9PFNA	Surrogate: M9PFNA	132 %		25-150
M2-4:2FTS	Surrogate: M2-4:2 FTS	154 %	PFSu-H	25-150
936109-37-4	Surrogate: d-N-MeFOSA	114 %		25-150

120 RESEARCH DRIVE

STRATFORD, CT 06615



132-02 89th AVENUE

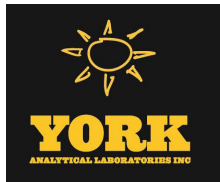
RICHMOND HILL, NY 11418

www.YORKLAB.com

(203) 325-1371

FAX (203) 357-0166

ClientServices@



Sample Information

<u>Client Sample ID:</u>	Dup	<u>York Sample ID:</u>	24K1290-05	
<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
24K1290	350-352 Liberty St. / NEW6313.RA	Ground Water	November 15, 2024 12:01 am	11/18/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
936109-40-9	Surrogate: d-N-EtFOSA	129 %			25-150						
M3HFPO-DA	Surrogate: M3HFPO-DA	139 %			25-150						
D9-NETPFOSAI	Surrogate: d9-N-EtFOSE	99.1 %			25-150						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	89.7 %			25-150						

Semi-Volatiles, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.00		ug/L			1	EPA 8270D Certifications:	11/21/2024 08:22	11/22/2024 14:21	SS

Metals, RCRA (no Hg) by 6020

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:48	cw
7440-39-3	Barium	152		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:48	cw
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:48	cw
7440-47-3	Chromium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:48	cw
7439-92-1	Lead	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:48	cw
7782-49-2	Selenium	1.28		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:48	cw
7440-22-4	Silver	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/21/2024 08:22	11/22/2024 13:48	cw

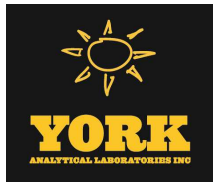
Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 08:16	11/22/2024 08:16	PFA



Sample Information

Client Sample ID: Field Blank

York Sample ID: 24K1290-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24K1290

350-352 Liberty St. / NEW6313.RA

Water

November 15, 2024 3:30 pm

11/18/2024

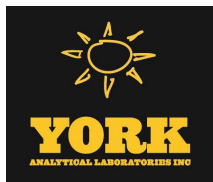
VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 16:48	PD
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 16:48	PD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 16:48	PD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 16:48	PD
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 16:48	PD
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 16:48	PD
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 16:48	PD
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 08:00	11/21/2024 16:48	PD
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 08:00	11/21/2024 16:48	PD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 08:00	11/21/2024 16:48	PD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 16:48	PD
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 16:48	PD
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 16:48	PD
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 16:48	PD
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 16:48	PD
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 16:48	PD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 16:48	PD
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 16:48	PD
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 16:48	PD
123-91-1	1,4-Dioxane	ND		ug/L	35.3	80.0	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 08:00	11/21/2024 16:48	PD
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 16:48	PD



Sample Information

Client Sample ID: Field Blank

York Sample ID: 24K1290-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24K1290

350-352 Liberty St. / NEW6313.RA

Water

November 15, 2024 3:30 pm

11/18/2024

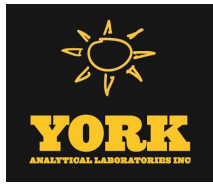
VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.320	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 16:48	PD
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 16:48	PD
67-64-1	Acetone	ND		ug/L	1.34	2.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 16:48	PD
107-02-8	Acrolein	0.990	CCVE, B	ug/L	0.447	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 16:48	PD
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 16:48	PD
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 16:48	PD
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 08:00	11/21/2024 16:48	PD
75-27-4	Bromodichloromethane	1.52		ug/L	0.245	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 16:48	PD
75-25-2	Bromoform	ND		ug/L	0.163	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 16:48	PD
74-83-9	Bromomethane	ND	CCVE	ug/L	0.119	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 16:48	PD
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 16:48	PD
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 16:48	PD
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 16:48	PD
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 16:48	PD
67-66-3	Chloroform	16.6		ug/L	0.243	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 16:48	PD
74-87-3	Chloromethane	ND	CCVE	ug/L	0.372	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 16:48	PD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 16:48	PD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 16:48	PD
110-82-7	Cyclohexane	ND		ug/L	0.491	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 08:00	11/21/2024 16:48	PD
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 16:48	PD
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 08:00	11/21/2024 16:48	PD



Sample Information

Client Sample ID: Field Blank

York Sample ID: 24K1290-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24K1290

350-352 Liberty St. / NEW6313.RA

Water

November 15, 2024 3:30 pm

11/18/2024

VOA, 8260 LOW MASTER

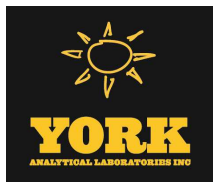
Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-71-8	Dichlorodifluoromethane	ND	CCVE, ICVE, QL-02	ug/L	0.451	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 08:00	11/21/2024 16:48	PD
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 16:48	PD
87-68-3	Hexachlorobutadiene	ND		ug/L	0.241	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 08:00	11/21/2024 16:48	PD
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 16:48	PD
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 08:00	11/21/2024 16:48	PD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 16:48	PD
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 08:00	11/21/2024 16:48	PD
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 16:48	PD
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 16:48	PD
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 16:48	PD
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	11/21/2024 08:00	11/21/2024 16:48	PD
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	11/21/2024 08:00	11/21/2024 16:48	PD
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 16:48	PD
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 16:48	PD
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 16:48	PD
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.608	1.00	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 08:00	11/21/2024 16:48	PD
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 16:48	PD
127-18-4	Tetrachloroethylene	ND	CCVE, ICVE, QL-02	ug/L	0.239	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 16:48	PD
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 16:48	PD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 16:48	PD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 16:48	PD





Sample Information

Client Sample ID: Field Blank

York Sample ID: 24K1290-06

York Project (SDG) No.

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24K1290

350-352 Liberty St. / NEW6313.RA

Water

November 15, 2024 3:30 pm

11/18/2024

VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 16:48	PD
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 16:48	PD
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 16:48	PD
1330-20-7	Xylenes, Total	ND		ug/L	0.839	1.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 16:48	PD
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	101 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	99.0 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	104 %	79-122								

Volatile Organics, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.0		ug/L			1	EPA 8260C Certifications:	11/21/2024 08:00	11/21/2024 16:48	PD

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	0.435	1.64	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 20:00	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ng/L	0.324	1.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 20:00	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ng/L	0.658	1.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 20:00	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	0.630	1.70	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 20:00	AM
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	0.389	1.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 20:00	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	0.760	1.72	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 20:00	AM
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.482	1.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 20:00	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.695	1.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 20:00	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.05	1.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 20:00	AM



Sample Information

Client Sample ID: Field Blank

York Sample ID: 24K1290-06

York Project (SDG) No.

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Water

November 15, 2024 3:30 pm

11/18/2024

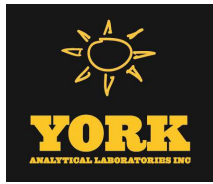
PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.815	1.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 20:00	AM
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.685	1.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 20:00	AM
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.639	1.85	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/23/2024 13:02	11/25/2024 20:00	AM
2355-31-9	N-MeFOSAA	ND		ng/L	0.732	1.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 20:00	AM
2991-50-6	N-EtFOSAA	ND		ng/L	0.954	1.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 20:00	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ng/L	0.213	3.70	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 20:00	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.815	1.85	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/23/2024 13:02	11/25/2024 20:00	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.843	1.77	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/23/2024 13:02	11/25/2024 20:00	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.22	1.79	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/23/2024 13:02	11/25/2024 20:00	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	6.95	7.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 20:00	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.90	7.11	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 20:00	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.306	7.41	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 20:00	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.463	3.30	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/23/2024 13:02	11/25/2024 20:00	AM
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	1.98	3.70	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/23/2024 13:02	11/25/2024 20:00	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.232	3.70	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/23/2024 13:02	11/25/2024 20:00	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.343	3.70	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/23/2024 13:02	11/25/2024 20:00	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.704	1.74	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 20:00	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.66	6.95	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 20:00	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	2.99	7.41	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 20:00	AM
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.28	7.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 20:00	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	0.648	6.93	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 20:00	AM
919005-14-4	ADONA	ND		ng/L	0.491	7.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 20:00	AM



Sample Information

Client Sample ID: Field Blank		York Sample ID: 24K1290-06			
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received	
24K1290	350-352 Liberty St. / NEW6313.RA	Water	November 15, 2024 3:30 pm	11/18/2024	

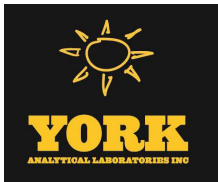
PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

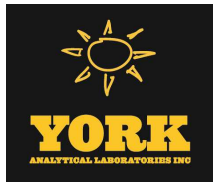
Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.861	1.80	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 20:00	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.797	1.78	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/23/2024 13:02	11/25/2024 20:00	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	1.88	4.63	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 20:00	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	6.79	23.2	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 20:00	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	8.77	23.2	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 20:00	AM
24448-09-7	* N-MeFOSE	ND		ng/L	3.70	18.5	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 20:00	AM
31506-32-8	* N-MeFOSA	ND		ng/L	1.46	1.85	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 20:00	AM
1691-99-2	* N-EtFOSE	ND		ng/L	3.70	18.5	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 20:00	AM
4151-50-2	* N-EtFOSA	ND		ng/L	1.67	1.85	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 20:00	AM
Surrogate Recoveries		Result	Acceptance Range								
M3PFBS	Surrogate: M3PFBS	118 %	25-150								
13C5PFHXA	Surrogate: M5PFHxA	129 %	25-150								
13C4PFHPA	Surrogate: M4PFHpA	135 %	25-150								
13C3PFHXS	Surrogate: M3PFHxS	121 %	25-150								
13C8PFOA	Surrogate: Perfluoro-n-[13C8]octanoic aci	116 %	25-150								
13C6PFDA	Surrogate: M6PFDA	114 %	25-150								
13C7PFUNA	Surrogate: M7PFUdA	116 %	25-150								
960315-52-0	Surrogate: Perfluoro-n-[1,2-13C2]dodecan	118 %	25-150								
13C2PFTEDA	Surrogate: M2PFTeDA	146 %	10-150								
13C4PFBA	Surrogate: Perfluoro-n-[13C4]butanoic aci	6.68 %	PFSu-L	25-150							
13C8PFOS	Surrogate: Perfluoro-1-[13C8]octanesulfor	106 %		25-150							
13C5PFPEA	Surrogate: Perfluoro-n-[13C5]pentanoic ac	105 %		25-150							
13C8FOSA	Surrogate: Perfluoro-1-[13C8]octanesulfor	110 %		10-150							
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	116 %		25-150							
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	109 %		25-150							
M2-6:2FTS	Surrogate: M2-6:2 FTS	190 %		25-200							
M2-8:2FTS	Surrogate: M2-8:2 FTS	155 %		25-200							
13C9PFNA	Surrogate: M9PFNA	106 %		25-150							
M2-4:2FTS	Surrogate: M2-4:2 FTS	180 %	PFSu-H	25-150							
936109-37-4	Surrogate: d-N-MeFOSA	142 %		25-150							
936109-40-9	Surrogate: d-N-EtFOSA	144 %		25-150							
M3HFPO-DA	Surrogate: M3HFPO-DA	140 %		25-150							
D9-NETPFOSAI	Surrogate: d9-N-EtFOSE	103 %		25-150							
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	96.8 %		25-150							



Sample Information

<u>Client Sample ID:</u> Field Blank			<u>York Sample ID:</u> 24K1290-06	
<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
24K1290	350-352 Liberty St. / NEW6313.RA	Water	November 15, 2024 3:30 pm	11/18/2024



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 24K1290-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24K1290

350-352 Liberty St. / NEW6313.RA

Water

November 15, 2024 4:56 pm

11/18/2024

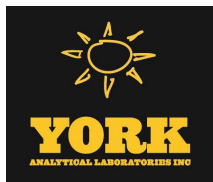
VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 17:15	PD
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 17:15	PD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 17:15	PD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 17:15	PD
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 17:15	PD
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 17:15	PD
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 17:15	PD
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 08:00	11/21/2024 17:15	PD
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 08:00	11/21/2024 17:15	PD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 08:00	11/21/2024 17:15	PD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 17:15	PD
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 17:15	PD
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 17:15	PD
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 17:15	PD
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 17:15	PD
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 17:15	PD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 17:15	PD
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 17:15	PD
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 17:15	PD
123-91-1	1,4-Dioxane	ND		ug/L	35.3	80.0	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 08:00	11/21/2024 17:15	PD
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 17:15	PD



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 24K1290-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24K1290

350-352 Liberty St. / NEW6313.RA

Water

November 15, 2024 4:56 pm

11/18/2024

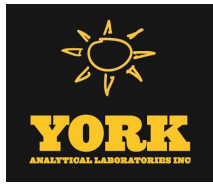
VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.320	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 17:15	PD
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 17:15	PD
67-64-1	Acetone	ND		ug/L	1.34	2.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 17:15	PD
107-02-8	Acrolein	1.12	CCVE, B	ug/L	0.447	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 17:15	PD
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 17:15	PD
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 17:15	PD
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 08:00	11/21/2024 17:15	PD
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 17:15	PD
75-25-2	Bromoform	ND		ug/L	0.163	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 17:15	PD
74-83-9	Bromomethane	ND	CCVE	ug/L	0.119	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 17:15	PD
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 17:15	PD
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 17:15	PD
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 17:15	PD
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 17:15	PD
67-66-3	Chloroform	ND		ug/L	0.243	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 17:15	PD
74-87-3	Chloromethane	ND	CCVE	ug/L	0.372	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 17:15	PD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 17:15	PD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 17:15	PD
110-82-7	Cyclohexane	ND		ug/L	0.491	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 08:00	11/21/2024 17:15	PD
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 17:15	PD
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 08:00	11/21/2024 17:15	PD



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 24K1290-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24K1290

350-352 Liberty St. / NEW6313.RA

Water

November 15, 2024 4:56 pm

11/18/2024

VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-71-8	Dichlorodifluoromethane	ND	CCVE, ICVE, QL-02	ug/L	0.451	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 08:00	11/21/2024 17:15	PD
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 17:15	PD
87-68-3	Hexachlorobutadiene	ND		ug/L	0.241	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 08:00	11/21/2024 17:15	PD
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 17:15	PD
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 08:00	11/21/2024 17:15	PD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 17:15	PD
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 08:00	11/21/2024 17:15	PD
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 17:15	PD
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 17:15	PD
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 17:15	PD
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	11/21/2024 08:00	11/21/2024 17:15	PD
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	11/21/2024 08:00	11/21/2024 17:15	PD
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 17:15	PD
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 17:15	PD
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 17:15	PD
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.608	1.00	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/21/2024 08:00	11/21/2024 17:15	PD
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 17:15	PD
127-18-4	Tetrachloroethylene	ND	ICVE, QL-02, CCVE	ug/L	0.239	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 17:15	PD
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 17:15	PD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 17:15	PD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 17:15	PD



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 24K1290-07

York Project (SDG) No.
24K1290

Client Project ID
350-352 Liberty St. / NEW6313.RA

Matrix
Water

Collection Date/Time
November 15, 2024 4:56 pm

Date Received
11/18/2024

VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 17:15	PD
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 17:15	PD
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 17:15	PD
1330-20-7	Xylenes, Total	ND		ug/L	0.839	1.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/21/2024 08:00	11/21/2024 17:15	PD
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	102 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	98.6 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	102 %	79-122								

Volatile Organics, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.0		ug/L			1	EPA 8260C Certifications:	11/21/2024 08:00	11/21/2024 17:15	PD



Analytical Batch Summary

Batch ID: BK41304 **Preparation Method:** EPA 3535A **Prepared By:** moa

YORK Sample ID	Client Sample ID	Preparation Date
24K1290-01	MW-104	11/19/24
24K1290-02	MW-105	11/19/24
24K1290-03	MW-202	11/19/24
24K1290-04	MW-201	11/19/24
24K1290-05	Dup	11/19/24
BK41304-BLK1	Blank	11/19/24
BK41304-BS1	LCS	11/19/24
BK41304-MS1	Matrix Spike	11/19/24
BK41304-MSD1	Matrix Spike Dup	11/19/24

Batch ID: BK41435 **Preparation Method:** EPA 3015A **Prepared By:** DBT

YORK Sample ID	Client Sample ID	Preparation Date
24K1290-01	MW-104	11/21/24
24K1290-02	MW-105	11/21/24
24K1290-03	MW-202	11/21/24
24K1290-04	MW-201	11/21/24
24K1290-05	Dup	11/21/24
BK41435-BLK1	Blank	11/21/24
BK41435-BS1	LCS	11/21/24
BK41435-DUP1	Duplicate	11/21/24
BK41435-MS1	Matrix Spike	11/21/24

Batch ID: BK41436 **Preparation Method:** EPA 3510C **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
24K1290-03	MW-202	11/21/24
24K1290-03	MW-202	11/21/24
24K1290-04	MW-201	11/21/24
24K1290-04	MW-201	11/21/24
24K1290-05	Dup	11/21/24
24K1290-05	Dup	11/21/24
BK41436-BLK2	Blank	11/21/24
BK41436-BS2	LCS	11/21/24

Batch ID: BK41445 **Preparation Method:** EPA 5030B **Prepared By:** PMB

YORK Sample ID	Client Sample ID	Preparation Date
24K1290-02	MW-105	11/21/24
24K1290-03	MW-202	11/21/24
24K1290-04	MW-201	11/21/24
24K1290-05	Dup	11/21/24
24K1290-06	Field Blank	11/21/24
24K1290-07	Trip Blank	11/21/24



BK41445-BLK1	Blank	11/21/24
BK41445-BS1	LCS	11/21/24
BK41445-BSD1	LCS Dup	11/21/24
BK41445-MS1	Matrix Spike	11/21/24
BK41445-MSD1	Matrix Spike Dup	11/21/24

Batch ID: BK41471 **Preparation Method:** EPA 5030B **Prepared By:** PMB

YORK Sample ID	Client Sample ID	Preparation Date
24K1290-01	MW-104	11/21/24
BK41471-BLK1	Blank	11/21/24
BK41471-BS1	LCS	11/21/24
BK41471-BSD1	LCS Dup	11/21/24

Batch ID: BK41529 **Preparation Method:** EPA 3510C **Prepared By:** JM

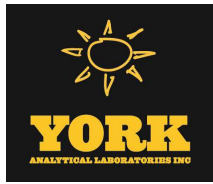
YORK Sample ID	Client Sample ID	Preparation Date
24K1290-01	MW-104	11/22/24
24K1290-01	MW-104	11/22/24
24K1290-02	MW-105	11/22/24
24K1290-02	MW-105	11/22/24
BK41529-BLK1	Blank	11/22/24
BK41529-BLK1	Blank	11/22/24
BK41529-BLK2	Blank	11/22/24
BK41529-BS1	LCS	11/22/24
BK41529-BS2	LCS	11/22/24
BK41529-BSD1	LCS Dup	11/22/24
BK41529-MS2	Matrix Spike	11/22/24
BK41529-MSD2	Matrix Spike Dup	11/22/24

Batch ID: BK41533 **Preparation Method:** EPA SW846-7470A **Prepared By:** PFA

YORK Sample ID	Client Sample ID	Preparation Date
24K1290-01	MW-104	11/22/24
24K1290-02	MW-105	11/22/24
24K1290-03	MW-202	11/22/24
24K1290-04	MW-201	11/22/24
24K1290-05	Dup	11/22/24
BK41533-BLK1	Blank	11/22/24
BK41533-BS1	LCS	11/22/24
BK41533-DUP1	Duplicate	11/22/24
BK41533-MS1	Matrix Spike	11/22/24
BK41533-MSD1	Matrix Spike Dup	11/22/24

Batch ID: BK41619 **Preparation Method:** EPA 1633 Prep **Prepared By:** MPR

YORK Sample ID	Client Sample ID	Preparation Date
24K1290-01	MW-104	11/23/24
24K1290-02	MW-105	11/23/24



24K1290-03	MW-202	11/23/24
24K1290-04	MW-201	11/23/24
24K1290-05	Dup	11/23/24
24K1290-06	Field Blank	11/23/24
BK41619-BLK1	Blank	11/23/24
BK41619-BS1	LCS	11/23/24
BK41619-BS2	LCS	11/23/24
BK41619-MS2	Matrix Spike	11/23/24
BK41619-MSD2	Matrix Spike Dup	11/23/24



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BK41445 - EPA 5030B

Blank (BK41445-BLK1)

Prepared & Analyzed: 11/21/2024

1,1,1,2-Tetrachloroethane	ND	0.500	ug/L
Tentatively Identified Compounds	0.0		"
1,1,1-Trichloroethane	ND	0.500	"
1,1,2,2-Tetrachloroethane	ND	0.500	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"
1,1,2-Trichloroethane	ND	0.500	"
1,1-Dichloroethane	ND	0.500	"
1,1-Dichloroethylene	ND	0.500	"
1,2,3-Trichlorobenzene	0.240	0.500	"
1,2,3-Trichloropropane	ND	0.500	"
1,2,4-Trichlorobenzene	ND	0.500	"
1,2,4-Trimethylbenzene	ND	0.500	"
1,2-Dibromo-3-chloropropane	ND	0.500	"
1,2-Dibromoethane	ND	0.500	"
1,2-Dichlorobenzene	ND	0.500	"
1,2-Dichloroethane	ND	0.500	"
1,2-Dichloropropane	ND	0.500	"
1,3,5-Trimethylbenzene	ND	0.500	"
1,3-Dichlorobenzene	ND	0.500	"
1,4-Dichlorobenzene	ND	0.500	"
1,4-Dioxane	ND	80.0	"
2-Butanone	ND	0.500	"
2-Hexanone	ND	0.500	"
4-Methyl-2-pentanone	ND	0.500	"
Acetone	ND	2.00	"
Acrolein	0.530	0.500	"
Acrylonitrile	ND	0.500	"
Benzene	ND	0.500	"
Bromochloromethane	ND	0.500	"
Bromodichloromethane	ND	0.500	"
Bromoform	ND	0.500	"
Bromomethane	ND	0.500	"
Carbon disulfide	ND	0.500	"
Carbon tetrachloride	ND	0.500	"
Chlorobenzene	ND	0.500	"
Chloroethane	ND	0.500	"
Chloroform	ND	0.500	"
Chloromethane	ND	0.500	"
cis-1,2-Dichloroethylene	ND	0.500	"
cis-1,3-Dichloropropylene	ND	0.500	"
Cyclohexane	ND	0.500	"
Dibromochloromethane	ND	0.500	"
Dibromomethane	ND	0.500	"
Dichlorodifluoromethane	ND	0.500	"
Ethyl Benzene	ND	0.500	"
Hexachlorobutadiene	ND	0.500	"
Isopropylbenzene	ND	0.500	"
Methyl acetate	ND	0.500	"
Methyl tert-butyl ether (MTBE)	ND	0.500	"
Methylcyclohexane	ND	0.500	"





Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BK41445 - EPA 5030B

Blank (BK41445-BLK1)

Prepared & Analyzed: 11/21/2024

Methylene chloride	0.510	2.00	ug/L
n-Butylbenzene	ND	0.500	"
n-Propylbenzene	ND	0.500	"
o-Xylene	ND	0.500	"
p- & m- Xylenes	ND	1.00	"
p-Isopropyltoluene	ND	0.500	"
sec-Butylbenzene	ND	0.500	"
Styrene	ND	0.500	"
tert-Butyl alcohol (TBA)	ND	1.00	"
tert-Butylbenzene	ND	0.500	"
Tetrachloroethylene	ND	0.500	"
Toluene	ND	0.500	"
trans-1,2-Dichloroethylene	ND	0.500	"
trans-1,3-Dichloropropylene	ND	0.500	"
Trichloroethylene	ND	0.500	"
Trichlorofluoromethane	ND	0.500	"
Vinyl Chloride	ND	0.500	"
Xylenes, Total	ND	1.50	"

Surrogate: SURRE: 1,2-Dichloroethane-d4	10.5	"	10.0	105	69-130
Surrogate: SURRE: Toluene-d8	9.80	"	10.0	98.0	81-117
Surrogate: SURRE: p-Bromofluorobenzene	9.85	"	10.0	98.5	79-122

LCS (BK41445-BS1)

Prepared & Analyzed: 11/21/2024

1,1,1,2-Tetrachloroethane	9.41	ug/L	10.0	94.1	82-126
1,1,1-Trichloroethane	8.29	"	10.0	82.9	78-136
1,1,2,2-Tetrachloroethane	10.8	"	10.0	108	76-129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.54	"	10.0	85.4	54-165
1,1,2-Trichloroethane	9.68	"	10.0	96.8	82-123
1,1-Dichloroethane	8.83	"	10.0	88.3	82-129
1,1-Dichloroethylene	8.75	"	10.0	87.5	68-138
1,2,3-Trichlorobenzene	11.5	"	10.0	115	76-136
1,2,3-Trichloropropane	9.27	"	10.0	92.7	77-128
1,2,4-Trichlorobenzene	11.0	"	10.0	110	76-137
1,2,4-Trimethylbenzene	9.52	"	10.0	95.2	82-132
1,2-Dibromo-3-chloropropane	11.0	"	10.0	110	45-147
1,2-Dibromoethane	9.89	"	10.0	98.9	83-124
1,2-Dichlorobenzene	9.48	"	10.0	94.8	79-123
1,2-Dichloroethane	9.77	"	10.0	97.7	73-132
1,2-Dichloropropane	9.53	"	10.0	95.3	78-126
1,3,5-Trimethylbenzene	9.24	"	10.0	92.4	80-131
1,3-Dichlorobenzene	9.27	"	10.0	92.7	86-122
1,4-Dichlorobenzene	9.27	"	10.0	92.7	85-124
1,4-Dioxane	252	"	210	120	10-349
2-Butanone	10.0	"	10.0	100	49-152
2-Hexanone	10.3	"	10.0	103	51-146
4-Methyl-2-pentanone	10.9	"	10.0	109	57-145
Acetone	8.35	"	10.0	83.5	14-150
Acrolein	12.0	"	10.0	120	10-153
Acrylonitrile	11.4	"	10.0	114	51-150
Benzene	9.28	"	10.0	92.8	85-126
Bromochloromethane	9.79	"	10.0	97.9	77-128



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BK41445 - EPA 5030B

LCS (BK41445-BS1)

Prepared & Analyzed: 11/21/2024

Bromodichloromethane	9.52		ug/L	10.0		95.2	79-128				
Bromoform	10.1		"	10.0		101	78-133				
Bromomethane	7.29		"	10.0		72.9	43-168				
Carbon disulfide	9.03		"	10.0		90.3	68-146				
Carbon tetrachloride	8.21		"	10.0		82.1	77-141				
Chlorobenzene	9.33		"	10.0		93.3	88-120				
Chloroethane	7.62		"	10.0		76.2	65-136				
Chloroform	9.05		"	10.0		90.5	82-128				
Chloromethane	5.22		"	10.0		52.2	43-155				
cis-1,2-Dichloroethylene	9.35		"	10.0		93.5	83-129				
cis-1,3-Dichloropropylene	9.70		"	10.0		97.0	80-131				
Cyclohexane	8.54		"	10.0		85.4	63-149				
Dibromochloromethane	9.94		"	10.0		99.4	80-130				
Dibromomethane	9.46		"	10.0		94.6	72-134				
Dichlorodifluoromethane	3.07		"	10.0		30.7	44-144	Low Bias			
Ethyl Benzene	9.35		"	10.0		93.5	80-131				
Hexachlorobutadiene	10.2		"	10.0		102	67-146				
Isopropylbenzene	8.49		"	10.0		84.9	76-140				
Methyl acetate	10.0		"	10.0		100	51-139				
Methyl tert-butyl ether (MTBE)	10.0		"	10.0		100	76-135				
Methylcyclohexane	8.72		"	10.0		87.2	72-143				
Methylene chloride	9.77		"	10.0		97.7	55-137				
n-Butylbenzene	10.0		"	10.0		100	79-132				
n-Propylbenzene	8.80		"	10.0		88.0	78-133				
o-Xylene	9.46		"	10.0		94.6	78-130				
p- & m- Xylenes	18.7		"	20.0		93.4	77-133				
p-Isopropyltoluene	9.45		"	10.0		94.5	81-136				
sec-Butylbenzene	8.94		"	10.0		89.4	79-137				
Styrene	9.88		"	10.0		98.8	67-132				
tert-Butyl alcohol (TBA)	57.3		"	50.0		115	25-162				
tert-Butylbenzene	8.50		"	10.0		85.0	77-138				
Tetrachloroethylene	4.41		"	10.0		44.1	82-131	Low Bias			
Toluene	9.16		"	10.0		91.6	80-127				
trans-1,2-Dichloroethylene	8.95		"	10.0		89.5	80-132				
trans-1,3-Dichloropropylene	10.2		"	10.0		102	78-131				
Trichloroethylene	8.35		"	10.0		83.5	82-128				
Trichlorofluoromethane	6.98		"	10.0		69.8	67-139				
Vinyl Chloride	6.20		"	10.0		62.0	58-145				
Surrogate: SURRE: 1,2-Dichloroethane-d4	10.4		"	10.0		104	69-130				
Surrogate: SURRE: Toluene-d8	9.67		"	10.0		96.7	81-117				
Surrogate: SURRE: p-Bromofluorobenzene	9.62		"	10.0		96.2	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BK41445 - EPA 5030B

LCS Dup (BK41445-BSD1)

Prepared & Analyzed: 11/21/2024

1,1,1,2-Tetrachloroethane	9.64		ug/L	10.0		96.4	82-126		2.41	30
1,1,1-Trichloroethane	8.90		"	10.0		89.0	78-136		7.10	30
1,1,2,2-Tetrachloroethane	11.4		"	10.0		114	76-129		4.87	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.86		"	10.0		98.6	54-165		14.3	30
1,1,2-Trichloroethane	10.2		"	10.0		102	82-123		5.04	30
1,1-Dichloroethane	9.08		"	10.0		90.8	82-129		2.79	30
1,1-Dichloroethylene	9.62		"	10.0		96.2	68-138		9.47	30
1,2,3-Trichlorobenzene	12.6		"	10.0		126	76-136		9.54	30
1,2,3-Trichloropropane	10.0		"	10.0		100	77-128		7.68	30
1,2,4-Trichlorobenzene	11.4		"	10.0		114	76-137		4.11	30
1,2,4-Trimethylbenzene	9.64		"	10.0		96.4	82-132		1.25	30
1,2-Dibromo-3-chloropropane	11.4		"	10.0		114	45-147		3.93	30
1,2-Dibromoethane	10.3		"	10.0		103	83-124		3.87	30
1,2-Dichlorobenzene	9.62		"	10.0		96.2	79-123		1.47	30
1,2-Dichloroethane	10.2		"	10.0		102	73-132		4.11	30
1,2-Dichloropropane	9.79		"	10.0		97.9	78-126		2.69	30
1,3,5-Trimethylbenzene	9.40		"	10.0		94.0	80-131		1.72	30
1,3-Dichlorobenzene	9.40		"	10.0		94.0	86-122		1.39	30
1,4-Dichlorobenzene	9.33		"	10.0		93.3	85-124		0.645	30
1,4-Dioxane	265		"	210		126	10-349		5.02	30
2-Butanone	10.9		"	10.0		109	49-152		7.75	30
2-Hexanone	11.4		"	10.0		114	51-146		9.93	30
4-Methyl-2-pentanone	11.9		"	10.0		119	57-145		8.52	30
Acetone	9.05		"	10.0		90.5	14-150		8.05	30
Acrolein	12.4		"	10.0		124	10-153		3.53	30
Acrylonitrile	12.3		"	10.0		123	51-150		7.79	30
Benzene	9.54		"	10.0		95.4	85-126		2.76	30
Bromochloromethane	10.2		"	10.0		102	77-128		3.81	30
Bromodichloromethane	9.76		"	10.0		97.6	79-128		2.49	30
Bromoform	10.7		"	10.0		107	78-133		5.78	30
Bromomethane	6.88		"	10.0		68.8	43-168		5.79	30
Carbon disulfide	9.73		"	10.0		97.3	68-146		7.46	30
Carbon tetrachloride	9.01		"	10.0		90.1	77-141		9.29	30
Chlorobenzene	9.43		"	10.0		94.3	88-120		1.07	30
Chloroethane	8.16		"	10.0		81.6	65-136		6.84	30
Chloroform	9.24		"	10.0		92.4	82-128		2.08	30
Chloromethane	5.62		"	10.0		56.2	43-155		7.38	30
cis-1,2-Dichloroethylene	9.57		"	10.0		95.7	83-129		2.33	30
cis-1,3-Dichloropropylene	9.90		"	10.0		99.0	80-131		2.04	30
Cyclohexane	9.82		"	10.0		98.2	63-149		13.9	30
Dibromochloromethane	10.4		"	10.0		104	80-130		4.04	30
Dibromomethane	9.96		"	10.0		99.6	72-134		5.15	30
Dichlorodifluoromethane	3.78		"	10.0		37.8	44-144	Low Bias	20.7	30
Ethyl Benzene	9.64		"	10.0		96.4	80-131		3.05	30
Hexachlorobutadiene	10.2		"	10.0		102	67-146		0.980	30
Isopropylbenzene	8.80		"	10.0		88.0	76-140		3.59	30
Methyl acetate	10.5		"	10.0		105	51-139		5.16	30
Methyl tert-butyl ether (MTBE)	10.7		"	10.0		107	76-135		6.76	30
Methylcyclohexane	9.67		"	10.0		96.7	72-143		10.3	30
Methylene chloride	10.0		"	10.0		100	55-137		2.73	30
n-Butylbenzene	10.2		"	10.0		102	79-132		2.27	30



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BK41445 - EPA 5030B

LCS Dup (BK41445-BSD1)

Prepared & Analyzed: 11/21/2024

n-Propylbenzene	9.04		ug/L	10.0		90.4	78-133		2.69	30	
o-Xylene	9.59		"	10.0		95.9	78-130		1.36	30	
p- & m- Xylenes	19.1		"	20.0		95.5	77-133		2.22	30	
p-Isopropyltoluene	9.69		"	10.0		96.9	81-136		2.51	30	
sec-Butylbenzene	9.25		"	10.0		92.5	79-137		3.41	30	
Styrene	10.1		"	10.0		101	67-132		2.00	30	
tert-Butyl alcohol (TBA)	63.0		"	50.0		126	25-162		9.51	30	
tert-Butylbenzene	8.76		"	10.0		87.6	77-138		3.01	30	
Tetrachloroethylene	4.64		"	10.0		46.4	82-131	Low Bias	5.08	30	
Toluene	9.38		"	10.0		93.8	80-127		2.37	30	
trans-1,2-Dichloroethylene	9.39		"	10.0		93.9	80-132		4.80	30	
trans-1,3-Dichloropropylene	10.5		"	10.0		105	78-131		2.91	30	
Trichloroethylene	8.73		"	10.0		87.3	82-128		4.45	30	
Trichlorofluoromethane	8.05		"	10.0		80.5	67-139		14.2	30	
Vinyl Chloride	6.88		"	10.0		68.8	58-145		10.4	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	10.5		"	10.0		105	69-130				
Surrogate: SURR: Toluene-d8	9.72		"	10.0		97.2	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.66		"	10.0		96.6	79-122				

Matrix Spike (BK41445-MS1)

*Source sample: 24K1290-02 (MW-105)

Prepared & Analyzed: 11/21/2024

1,1,1,2-Tetrachloroethane	13.5		ug/L	10.0	0.00	135	45-161				
1,1,1-Trichloroethane	13.5		"	10.0	0.00	135	70-146				
1,1,2,2-Tetrachloroethane	15.6		"	10.0	0.00	156	74-121	High Bias			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	14.5		"	10.0	0.00	145	21-217				
1,1,2-Trichloroethane	14.3		"	10.0	0.00	143	59-146				
1,1-Dichloroethane	13.3		"	10.0	0.00	133	54-146				
1,1-Dichloroethylene	14.8		"	10.0	0.00	148	44-165				
1,2,3-Trichlorobenzene	13.4		"	10.0	0.00	134	40-161				
1,2,3-Trichloropropane	13.2		"	10.0	0.00	132	74-127	High Bias			
1,2,4-Trichlorobenzene	12.6		"	10.0	0.00	126	41-161				
1,2,4-Trimethylbenzene	12.4		"	10.0	0.250	122	72-129				
1,2-Dibromo-3-chloropropane	15.1		"	10.0	0.00	151	31-151				
1,2-Dibromoethane	14.4		"	10.0	0.00	144	75-125	High Bias			
1,2-Dichlorobenzene	12.2		"	10.0	0.00	122	63-122				
1,2-Dichloroethane	14.4		"	10.0	0.00	144	68-131	High Bias			
1,2-Dichloropropane	13.8		"	10.0	0.00	138	77-121	High Bias			
1,3,5-Trimethylbenzene	12.0		"	10.0	0.00	120	69-126				
1,3-Dichlorobenzene	11.7		"	10.0	0.00	117	74-119				
1,4-Dichlorobenzene	11.6		"	10.0	0.00	116	70-124				
1,4-Dioxane	369		"	210	0.00	176	10-310				
2-Butanone	15.2		"	10.0	0.00	152	10-193				
2-Hexanone	15.8		"	10.0	0.00	158	53-133	High Bias			
4-Methyl-2-pentanone	16.5		"	10.0	0.00	165	38-150	High Bias			
Acetone	12.7		"	10.0	1.13	116	13-149				
Acrolein	17.8		"	10.0	1.05	167	10-195				
Acrylonitrile	15.7		"	10.0	0.00	157	37-165				
Benzene	13.8		"	10.0	0.00	138	38-155				
Bromochloromethane	14.3		"	10.0	0.00	143	75-121	High Bias			
Bromodichloromethane	13.9		"	10.0	0.00	139	70-129	High Bias			
Bromoform	14.9		"	10.0	0.00	149	66-136	High Bias			
Bromomethane	9.68		"	10.0	0.00	96.8	30-158				





Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BK41445 - EPA 5030B

Matrix Spike (BK41445-MS1)		*Source sample: 24K1290-02 (MW-105)					Prepared & Analyzed: 11/21/2024				
Carbon disulfide	14.3		ug/L	10.0	0.900	134	10-138				
Carbon tetrachloride	13.7		"	10.0	0.00	137	71-146				
Chlorobenzene	13.1		"	10.0	0.00	131	81-117	High Bias			
Chloroethane	12.3		"	10.0	0.00	123	51-145				
Chloroform	14.1		"	10.0	0.830	133	80-124	High Bias			
Chloromethane	7.17		"	10.0	0.00	71.7	16-163				
cis-1,2-Dichloroethylene	13.8		"	10.0	0.00	138	76-125	High Bias			
cis-1,3-Dichloropropylene	13.9		"	10.0	0.00	139	58-131	High Bias			
Cyclohexane	14.7		"	10.0	0.00	147	70-130	High Bias			
Dibromochloromethane	14.4		"	10.0	0.00	144	71-129	High Bias			
Dibromomethane	13.9		"	10.0	0.00	139	76-120	High Bias			
Dichlorodifluoromethane	5.66		"	10.0	0.00	56.6	30-147				
Ethyl Benzene	13.4		"	10.0	0.00	134	72-128	High Bias			
Hexachlorobutadiene	12.1		"	10.0	0.00	121	34-166				
Isopropylbenzene	11.8		"	10.0	0.00	118	66-139				
Methyl acetate	15.0		"	10.0	0.00	150	10-200				
Methyl tert-butyl ether (MTBE)	15.1		"	10.0	0.00	151	75-128	High Bias			
Methylcyclohexane	13.3		"	10.0	0.00	133	70-130	High Bias			
Methylene chloride	13.7		"	10.0	0.00	137	57-128	High Bias			
n-Butylbenzene	12.3		"	10.0	0.00	123	61-138				
n-Propylbenzene	11.9		"	10.0	0.00	119	66-134				
o-Xylene	13.3		"	10.0	0.00	133	69-126	High Bias			
p- & m- Xylenes	26.1		"	20.0	0.00	131	67-130	High Bias			
p-Isopropyltoluene	12.1		"	10.0	0.00	121	64-137				
sec-Butylbenzene	12.0		"	10.0	0.00	120	53-155				
Styrene	13.2		"	10.0	0.00	132	69-125	High Bias			
tert-Butyl alcohol (TBA)	80.3		"	50.0	0.00	161	10-130	High Bias			
tert-Butylbenzene	11.7		"	10.0	0.00	117	65-139				
Tetrachloroethylene	6.55		"	10.0	0.240	63.1	64-139	Low Bias			
Toluene	13.3		"	10.0	0.00	133	76-123	High Bias			
trans-1,2-Dichloroethylene	13.7		"	10.0	0.00	137	79-131	High Bias			
trans-1,3-Dichloropropylene	14.6		"	10.0	0.00	146	55-130	High Bias			
Trichloroethylene	12.3		"	10.0	0.00	123	53-145				
Trichlorofluoromethane	12.5		"	10.0	0.00	125	61-142				
Vinyl Chloride	10.6		"	10.0	0.00	106	31-165				
Surrogate: SURR: 1,2-Dichloroethane-d4	10.6		"	10.0		106	69-130				
Surrogate: SURR: Toluene-d8	9.68		"	10.0		96.8	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.51		"	10.0		95.1	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK41445 - EPA 5030B											
Matrix Spike Dup (BK41445-MSD1)		*Source sample: 24K1290-02 (MW-105)					Prepared & Analyzed: 11/21/2024				
1,1,1,2-Tetrachloroethane	15.0		ug/L	10.0	0.00	150	45-161		10.4	30	
1,1,1-Trichloroethane	14.7		"	10.0	0.00	147	70-146	High Bias	8.35	30	
1,1,2,2-Tetrachloroethane	17.3		"	10.0	0.00	173	74-121	High Bias	10.6	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	15.2		"	10.0	0.00	152	21-217		5.05	30	
1,1,2-Trichloroethane	15.8		"	10.0	0.00	158	59-146	High Bias	10.3	30	
1,1-Dichloroethane	14.5		"	10.0	0.00	145	54-146		8.41	30	
1,1-Dichloroethylene	15.8		"	10.0	0.00	158	44-165		6.99	30	
1,2,3-Trichlorobenzene	15.8		"	10.0	0.00	158	40-161		16.2	30	
1,2,3-Trichloropropane	14.8		"	10.0	0.00	148	74-127	High Bias	11.2	30	
1,2,4-Trichlorobenzene	14.0		"	10.0	0.00	140	41-161		10.6	30	
1,2,4-Trimethylbenzene	13.3		"	10.0	0.250	130	72-129	High Bias	6.93	30	
1,2-Dibromo-3-chloropropane	17.2		"	10.0	0.00	172	31-151	High Bias	13.1	30	
1,2-Dibromoethane	15.9		"	10.0	0.00	159	75-125	High Bias	9.83	30	
1,2-Dichlorobenzene	13.2		"	10.0	0.00	132	63-122	High Bias	7.77	30	
1,2-Dichloroethane	15.9		"	10.0	0.00	159	68-131	High Bias	9.82	30	
1,2-Dichloropropane	15.3		"	10.0	0.00	153	77-121	High Bias	10.8	30	
1,3,5-Trimethylbenzene	13.0		"	10.0	0.00	130	69-126	High Bias	7.43	30	
1,3-Dichlorobenzene	12.7		"	10.0	0.00	127	74-119	High Bias	7.63	30	
1,4-Dichlorobenzene	12.5		"	10.0	0.00	125	70-124	High Bias	7.38	30	
1,4-Dioxane	396		"	210	0.00	189	10-310		7.15	30	
2-Butanone	16.8		"	10.0	0.00	168	10-193		9.98	30	
2-Hexanone	17.3		"	10.0	0.00	173	53-133	High Bias	9.24	30	
4-Methyl-2-pentanone	18.6		"	10.0	0.00	186	38-150	High Bias	12.3	30	
Acetone	14.0		"	10.0	1.13	129	13-149		9.59	30	
Acrolein	21.1		"	10.0	1.05	201	10-195	High Bias	17.3	30	
Acrylonitrile	17.6		"	10.0	0.00	176	37-165	High Bias	11.1	30	
Benzene	15.2		"	10.0	0.00	152	38-155		9.68	30	
Bromochloromethane	15.8		"	10.0	0.00	158	75-121	High Bias	9.81	30	
Bromodichloromethane	15.3		"	10.0	0.00	153	70-129	High Bias	10.0	30	
Bromoform	16.5		"	10.0	0.00	165	66-136	High Bias	10.1	30	
Bromomethane	9.36		"	10.0	0.00	93.6	30-158		3.36	30	
Carbon disulfide	15.2		"	10.0	0.900	144	10-138	High Bias	6.29	30	
Carbon tetrachloride	15.0		"	10.0	0.00	150	71-146	High Bias	9.11	30	
Chlorobenzene	14.2		"	10.0	0.00	142	81-117	High Bias	8.29	30	
Chloroethane	13.0		"	10.0	0.00	130	51-145		5.53	30	
Chloroform	15.5		"	10.0	0.830	146	80-124	High Bias	9.05	30	
Chloromethane	7.97		"	10.0	0.00	79.7	16-163		10.6	30	
cis-1,2-Dichloroethylene	15.2		"	10.0	0.00	152	76-125	High Bias	9.33	30	
cis-1,3-Dichloropropylene	15.4		"	10.0	0.00	154	58-131	High Bias	10.3	30	
Cyclohexane	15.4		"	10.0	0.00	154	70-130	High Bias	4.57	30	
Dibromochloromethane	16.0		"	10.0	0.00	160	71-129	High Bias	10.5	30	
Dibromomethane	15.4		"	10.0	0.00	154	76-120	High Bias	10.2	30	
Dichlorodifluoromethane	5.43		"	10.0	0.00	54.3	30-147		4.15	30	
Ethyl Benzene	14.5		"	10.0	0.00	145	72-128	High Bias	8.32	30	
Hexachlorobutadiene	13.4		"	10.0	0.00	134	34-166		10.7	30	
Isopropylbenzene	12.8		"	10.0	0.00	128	66-139		8.20	30	
Methyl acetate	16.7		"	10.0	0.00	167	10-200		10.8	30	
Methyl tert-butyl ether (MTBE)	16.7		"	10.0	0.00	167	75-128	High Bias	10.0	30	
Methylcyclohexane	13.8		"	10.0	0.00	138	70-130	High Bias	3.69	30	
Methylene chloride	15.0		"	10.0	0.00	150	57-128	High Bias	9.19	30	
n-Butylbenzene	13.2		"	10.0	0.00	132	61-138		7.45	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BK41445 - EPA 5030B

Matrix Spike Dup (BK41445-MSD1)		*Source sample: 24K1290-02 (MW-105)					Prepared & Analyzed: 11/21/2024				
n-Propylbenzene	12.8		ug/L	10.0	0.00	128	66-134		7.39	30	
o-Xylene	14.5		"	10.0	0.00	145	69-126	High Bias	8.65	30	
p- & m- Xylenes	28.1		"	20.0	0.00	141	67-130	High Bias	7.38	30	
p-Isopropyltoluene	13.0		"	10.0	0.00	130	64-137		7.19	30	
sec-Butylbenzene	13.0		"	10.0	0.00	130	53-155		7.36	30	
Styrene	14.3		"	10.0	0.00	143	69-125	High Bias	8.05	30	
tert-Butyl alcohol (TBA)	89.4		"	50.0	0.00	179	10-130	High Bias	10.7	30	
tert-Butylbenzene	12.7		"	10.0	0.00	127	65-139		8.29	30	
Tetrachloroethylene	7.04		"	10.0	0.240	68.0	64-139		7.21	30	
Toluene	14.5		"	10.0	0.00	145	76-123	High Bias	8.92	30	
trans-1,2-Dichloroethylene	14.9		"	10.0	0.00	149	79-131	High Bias	8.17	30	
trans-1,3-Dichloropropylene	16.4		"	10.0	0.00	164	55-130	High Bias	11.6	30	
Trichloroethylene	13.4		"	10.0	0.00	134	53-145		8.57	30	
Trichlorofluoromethane	13.4		"	10.0	0.00	134	61-142		7.19	30	
Vinyl Chloride	10.9		"	10.0	0.00	109	31-165		2.89	30	
Surrogate: SURR: 1,2-Dichloroethane-d4		10.6	"	10.0		106	69-130				
Surrogate: SURR: Toluene-d8		9.66	"	10.0		96.6	81-117				
Surrogate: SURR: p-Bromofluorobenzene		9.59	"	10.0		95.9	79-122				

Batch BK41471 - EPA 5030B

Blank (BK41471-BLK1)		Prepared & Analyzed: 11/21/2024									
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
Tentatively Identified Compounds	0.0		"								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,2,3-Trichlorobenzene	0.310	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2-Butanone	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	0.720	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BK41471 - EPA 5030B

Blank (BK41471-BLK1)

Prepared & Analyzed: 11/21/2024

Bromodichloromethane	ND	0.500	ug/L								
Bromoform	ND	0.500	"								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	0.620	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	9.58		"	10.0		95.8	69-130				
Surrogate: SURR: Toluene-d8	10.0		"	10.0		100	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.7		"	10.0		107	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BK41471 - EPA 5030B

LCS (BK41471-BS1)

Prepared & Analyzed: 11/21/2024

1,1,1,2-Tetrachloroethane	10.0		ug/L	10.0		100	82-126				
1,1,1-Trichloroethane	10.0		"	10.0		100	78-136				
1,1,2,2-Tetrachloroethane	9.82		"	10.0		98.2	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.5		"	10.0		105	54-165				
1,1,2-Trichloroethane	9.79		"	10.0		97.9	82-123				
1,1-Dichloroethane	10.0		"	10.0		100	82-129				
1,1-Dichloroethylene	10.6		"	10.0		106	68-138				
1,2,3-Trichlorobenzene	8.71		"	10.0		87.1	76-136				
1,2,3-Trichloropropane	9.90		"	10.0		99.0	77-128				
1,2,4-Trichlorobenzene	9.26		"	10.0		92.6	76-137				
1,2,4-Trimethylbenzene	10.9		"	10.0		109	82-132				
1,2-Dibromo-3-chloropropane	9.62		"	10.0		96.2	45-147				
1,2-Dibromoethane	9.83		"	10.0		98.3	83-124				
1,2-Dichlorobenzene	9.86		"	10.0		98.6	79-123				
1,2-Dichloroethane	9.77		"	10.0		97.7	73-132				
1,2-Dichloropropane	10.7		"	10.0		107	78-126				
1,3,5-Trimethylbenzene	10.9		"	10.0		109	80-131				
1,3-Dichlorobenzene	10.0		"	10.0		100	86-122				
1,4-Dichlorobenzene	9.87		"	10.0		98.7	85-124				
1,4-Dioxane	189		"	210		89.9	10-349				
2-Butanone	9.16		"	10.0		91.6	49-152				
2-Hexanone	9.31		"	10.0		93.1	51-146				
4-Methyl-2-pentanone	10.1		"	10.0		101	57-145				
Acetone	7.83		"	10.0		78.3	14-150				
Acrolein	9.33		"	10.0		93.3	10-153				
Acrylonitrile	10.2		"	10.0		102	51-150				
Benzene	10.5		"	10.0		105	85-126				
Bromochloromethane	10.1		"	10.0		101	77-128				
Bromodichloromethane	10.3		"	10.0		103	79-128				
Bromoform	9.35		"	10.0		93.5	78-133				
Bromomethane	6.77		"	10.0		67.7	43-168				
Carbon disulfide	9.97		"	10.0		99.7	68-146				
Carbon tetrachloride	10.2		"	10.0		102	77-141				
Chlorobenzene	10.2		"	10.0		102	88-120				
Chloroethane	8.69		"	10.0		86.9	65-136				
Chloroform	9.98		"	10.0		99.8	82-128				
Chloromethane	5.87		"	10.0		58.7	43-155				
cis-1,2-Dichloroethylene	10.3		"	10.0		103	83-129				
cis-1,3-Dichloropropylene	10.1		"	10.0		101	80-131				
Cyclohexane	10.8		"	10.0		108	63-149				
Dibromochloromethane	9.90		"	10.0		99.0	80-130				
Dibromomethane	9.67		"	10.0		96.7	72-134				
Dichlorodifluoromethane	3.11		"	10.0		31.1	44-144	Low Bias			
Ethyl Benzene	10.7		"	10.0		107	80-131				
Hexachlorobutadiene	9.87		"	10.0		98.7	67-146				
Isopropylbenzene	10.9		"	10.0		109	76-140				
Methyl acetate	9.13		"	10.0		91.3	51-139				
Methyl tert-butyl ether (MTBE)	9.25		"	10.0		92.5	76-135				
Methylcyclohexane	10.4		"	10.0		104	72-143				
Methylene chloride	11.0		"	10.0		110	55-137				
n-Butylbenzene	10.9		"	10.0		109	79-132				





Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BK41471 - EPA 5030B

LCS (BK41471-BS1)

Prepared & Analyzed: 11/21/2024

n-Propylbenzene	10.8		ug/L	10.0		108	78-133				
o-Xylene	10.4		"	10.0		104	78-130				
p- & m- Xylenes	21.1		"	20.0		105	77-133				
p-Isopropyltoluene	10.8		"	10.0		108	81-136				
sec-Butylbenzene	10.7		"	10.0		107	79-137				
Styrene	10.5		"	10.0		105	67-132				
tert-Butyl alcohol (TBA)	43.8		"	50.0		87.7	25-162				
tert-Butylbenzene	10.5		"	10.0		105	77-138				
Tetrachloroethylene	5.29		"	10.0		52.9	82-131	Low Bias			
Toluene	10.7		"	10.0		107	80-127				
trans-1,2-Dichloroethylene	10.4		"	10.0		104	80-132				
trans-1,3-Dichloropropylene	9.99		"	10.0		99.9	78-131				
Trichloroethylene	11.1		"	10.0		111	82-128				
Trichlorofluoromethane	8.65		"	10.0		86.5	67-139				
Vinyl Chloride	6.82		"	10.0		68.2	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	9.38		"	10.0		93.8	69-130				
Surrogate: SURR: Toluene-d8	10.0		"	10.0		100	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.5		"	10.0		105	79-122				

LCS Dup (BK41471-BSD1)

Prepared & Analyzed: 11/21/2024

1,1,1,2-Tetrachloroethane	9.68		ug/L	10.0		96.8	82-126		3.55	30	
1,1,1-Trichloroethane	9.29		"	10.0		92.9	78-136		7.56	30	
1,1,2,2-Tetrachloroethane	9.68		"	10.0		96.8	76-129		1.44	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.38		"	10.0		93.8	54-165		11.6	30	
1,1,2-Trichloroethane	9.61		"	10.0		96.1	82-123		1.86	30	
1,1-Dichloroethane	9.61		"	10.0		96.1	82-129		4.08	30	
1,1-Dichloroethylene	9.76		"	10.0		97.6	68-138		8.63	30	
1,2,3-Trichlorobenzene	7.96		"	10.0		79.6	76-136		9.00	30	
1,2,3-Trichloropropane	9.68		"	10.0		96.8	77-128		2.25	30	
1,2,4-Trichlorobenzene	8.99		"	10.0		89.9	76-137		2.96	30	
1,2,4-Trimethylbenzene	10.4		"	10.0		104	82-132		3.94	30	
1,2-Dibromo-3-chloropropane	9.49		"	10.0		94.9	45-147		1.36	30	
1,2-Dibromoethane	9.63		"	10.0		96.3	83-124		2.06	30	
1,2-Dichlorobenzene	9.55		"	10.0		95.5	79-123		3.19	30	
1,2-Dichloroethane	9.66		"	10.0		96.6	73-132		1.13	30	
1,2-Dichloropropane	10.2		"	10.0		102	78-126		4.21	30	
1,3,5-Trimethylbenzene	10.4		"	10.0		104	80-131		4.97	30	
1,3-Dichlorobenzene	9.70		"	10.0		97.0	86-122		3.25	30	
1,4-Dichlorobenzene	9.62		"	10.0		96.2	85-124		2.57	30	
1,4-Dioxane	226		"	210		108	10-349		18.1	30	
2-Butanone	9.33		"	10.0		93.3	49-152		1.84	30	
2-Hexanone	9.54		"	10.0		95.4	51-146		2.44	30	
4-Methyl-2-pentanone	9.92		"	10.0		99.2	57-145		1.50	30	
Acetone	8.07		"	10.0		80.7	14-150		3.02	30	
Acrolein	8.18		"	10.0		81.8	10-153		13.1	30	
Acrylonitrile	10.0		"	10.0		100	51-150		1.68	30	
Benzene	10.1		"	10.0		101	85-126		3.98	30	
Bromochloromethane	9.86		"	10.0		98.6	77-128		2.01	30	
Bromodichloromethane	10.0		"	10.0		100	79-128		2.56	30	
Bromoform	9.58		"	10.0		95.8	78-133		2.43	30	
Bromomethane	7.85		"	10.0		78.5	43-168		14.8	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BK41471 - EPA 5030B

LCS Dup (BK41471-BSD1)

Prepared & Analyzed: 11/21/2024

Carbon disulfide	9.21		ug/L	10.0		92.1	68-146		7.92	30
Carbon tetrachloride	9.36		"	10.0		93.6	77-141		8.20	30
Chlorobenzene	9.84		"	10.0		98.4	88-120		3.69	30
Chloroethane	8.13		"	10.0		81.3	65-136		6.66	30
Chloroform	9.63		"	10.0		96.3	82-128		3.57	30
Chloromethane	5.12		"	10.0		51.2	43-155		13.6	30
cis-1,2-Dichloroethylene	9.91		"	10.0		99.1	83-129		3.76	30
cis-1,3-Dichloropropylene	9.90		"	10.0		99.0	80-131		1.60	30
Cyclohexane	9.64		"	10.0		96.4	63-149		11.0	30
Dibromochloromethane	9.70		"	10.0		97.0	80-130		2.04	30
Dibromomethane	9.42		"	10.0		94.2	72-134		2.62	30
Dichlorodifluoromethane	2.68		"	10.0		26.8	44-144	Low Bias	14.9	30
Ethyl Benzene	10.2		"	10.0		102	80-131		4.96	30
Hexachlorobutadiene	9.46		"	10.0		94.6	67-146		4.24	30
Isopropylbenzene	10.2		"	10.0		102	76-140		6.06	30
Methyl acetate	9.19		"	10.0		91.9	51-139		0.655	30
Methyl tert-butyl ether (MTBE)	9.22		"	10.0		92.2	76-135		0.325	30
Methylcyclohexane	9.62		"	10.0		96.2	72-143		8.18	30
Methylene chloride	10.8		"	10.0		108	55-137		1.74	30
n-Butylbenzene	10.4		"	10.0		104	79-132		4.88	30
n-Propylbenzene	10.3		"	10.0		103	78-133		5.50	30
o-Xylene	10.0		"	10.0		100	78-130		3.71	30
p- & m- Xylenes	20.1		"	20.0		100	77-133		4.86	30
p-Isopropyltoluene	10.3		"	10.0		103	81-136		5.01	30
sec-Butylbenzene	10.2		"	10.0		102	79-137		5.08	30
Styrene	10.1		"	10.0		101	67-132		3.21	30
tert-Butyl alcohol (TBA)	47.8		"	50.0		95.5	25-162		8.54	30
tert-Butylbenzene	9.93		"	10.0		99.3	77-138		5.29	30
Tetrachloroethylene	4.88		"	10.0		48.8	82-131	Low Bias	8.06	30
Toluene	10.1		"	10.0		101	80-127		5.28	30
trans-1,2-Dichloroethylene	9.87		"	10.0		98.7	80-132		5.33	30
trans-1,3-Dichloropropylene	9.96		"	10.0		99.6	78-131		0.301	30
Trichloroethylene	10.4		"	10.0		104	82-128		5.95	30
Trichlorofluoromethane	7.74		"	10.0		77.4	67-139		11.1	30
Vinyl Chloride	6.33		"	10.0		63.3	58-145		7.45	30
Surrogate: SURR: 1,2-Dichloroethane-d4	9.65		"	10.0		96.5	69-130			
Surrogate: SURR: Toluene-d8	10.0		"	10.0		100	81-117			
Surrogate: SURR: p-Bromofluorobenzene	10.5		"	10.0		105	79-122			



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BK41436 - EPA 3510C

Blank (BK41436-BLK2)

Prepared & Analyzed: 11/21/2024

Acenaphthene	ND	0.0500	ug/L
Acenaphthylene	ND	0.0500	"
Anthracene	ND	0.0500	"
Atrazine	ND	0.500	"
Benzo(a)anthracene	ND	0.0500	"
Benzo(a)pyrene	ND	0.0500	"
Benzo(b)fluoranthene	ND	0.0500	"
Benzo(g,h,i)perylene	ND	0.0500	"
Benzo(k)fluoranthene	ND	0.0500	"
Bis(2-ethylhexyl)phthalate	ND	0.500	"
Chrysene	ND	0.0500	"
Dibenzo(a,h)anthracene	ND	0.0500	"
Fluoranthene	ND	0.0500	"
Fluorene	ND	0.0500	"
Hexachlorobenzene	ND	0.0200	"
Hexachlorobutadiene	ND	0.500	"
Hexachloroethane	ND	0.500	"
Indeno(1,2,3-cd)pyrene	ND	0.0500	"
Naphthalene	ND	0.0500	"
Nitrobenzene	ND	0.250	"
N-Nitrosodimethylamine	ND	0.500	"
Pentachlorophenol	ND	0.250	"
Phenanthrene	ND	0.0500	"
Pyrene	ND	0.0500	"

LCS (BK41436-BS2)

Prepared & Analyzed: 11/21/2024

Acenaphthene	0.500	0.0500	ug/L	1.00	50.0	25-116
Acenaphthylene	0.570	0.0500	"	1.00	57.0	26-116
Anthracene	0.580	0.0500	"	1.00	58.0	25-123
Benzo(a)anthracene	0.590	0.0500	"	1.00	59.0	33-125
Benzo(a)pyrene	0.600	0.0500	"	1.00	60.0	32-132
Benzo(b)fluoranthene	0.610	0.0500	"	1.00	61.0	22-137
Benzo(g,h,i)perylene	0.470	0.0500	"	1.00	47.0	10-138
Benzo(k)fluoranthene	0.650	0.0500	"	1.00	65.0	20-137
Bis(2-ethylhexyl)phthalate	0.700	0.500	"	1.00	70.0	10-189
Chrysene	0.530	0.0500	"	1.00	53.0	32-124
Dibenzo(a,h)anthracene	0.460	0.0500	"	1.00	46.0	16-133
Fluoranthene	0.610	0.0500	"	1.00	61.0	32-121
Fluorene	0.560	0.0500	"	1.00	56.0	28-118
Hexachlorobenzene	0.530	0.0200	"	1.00	53.0	23-124
Hexachlorobutadiene	0.280	0.500	"	1.00	28.0	15-123
Hexachloroethane	0.240	0.500	"	1.00	24.0	18-115
Indeno(1,2,3-cd)pyrene	0.440	0.0500	"	1.00	44.0	15-135
Naphthalene	0.440	0.0500	"	1.00	44.0	18-120
Nitrobenzene	0.270	0.250	"	1.00	27.0	21-121
N-Nitrosodimethylamine	0.170	0.500	"	1.00	17.0	10-124
Pentachlorophenol	0.590	0.250	"	1.00	59.0	10-156
Phenanthrene	0.560	0.0500	"	1.00	56.0	24-127
Pyrene	0.580	0.0500	"	1.00	58.0	31-132



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Flag	RPD	RPD	
		Limit								Limit	Flag

Batch BK41529 - EPA 3510C

Blank (BK41529-BLK1)

Prepared: 11/22/2024 Analyzed: 11/25/2024

1,1-Biphenyl	ND	5.00	ug/L
1,2,4,5-Tetrachlorobenzene	ND	5.00	"
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"
2,3,4,6-Tetrachlorophenol	ND	5.00	"
2,4,5-Trichlorophenol	ND	5.00	"
2,4,6-Trichlorophenol	ND	5.00	"
2,4-Dichlorophenol	ND	5.00	"
2,4-Dimethylphenol	ND	5.00	"
2,4-Dinitrophenol	ND	5.00	"
2,4-Dinitrotoluene	ND	5.00	"
2,6-Dinitrotoluene	ND	5.00	"
2-Chloronaphthalene	ND	5.00	"
2-Chlorophenol	ND	5.00	"
2-Methylnaphthalene	ND	5.00	"
2-Methylphenol	ND	5.00	"
2-Nitroaniline	ND	5.00	"
2-Nitrophenol	ND	5.00	"
3- & 4-Methylphenols	ND	5.00	"
3,3-Dichlorobenzidine	ND	5.00	"
3-Nitroaniline	ND	5.00	"
4,6-Dinitro-2-methylphenol	ND	5.00	"
4-Bromophenyl phenyl ether	ND	5.00	"
4-Chloro-3-methylphenol	ND	5.00	"
4-Chloroaniline	ND	5.00	"
4-Chlorophenyl phenyl ether	ND	5.00	"
4-Nitroaniline	ND	5.00	"
4-Nitrophenol	ND	5.00	"
Acetophenone	ND	5.00	"
Aniline	ND	5.00	"
Benzaldehyde	ND	5.00	"
Benztidine	ND	5.00	"
Benzoic acid	ND	5.00	"
Benzyl alcohol	ND	5.00	"
Benzyl butyl phthalate	ND	5.00	"
Bis(2-chloroethoxy)methane	ND	5.00	"
Bis(2-chloroethyl)ether	ND	5.00	"
Bis(2-chloroisopropyl)ether	ND	5.00	"
Caprolactam	ND	5.00	"
Carbazole	ND	5.00	"
Dibenzofuran	ND	5.00	"
Diethyl phthalate	ND	5.00	"
Dimethyl phthalate	ND	5.00	"
Di-n-butyl phthalate	ND	5.00	"
Di-n-octyl phthalate	ND	5.00	"
Diphenylamine	ND	5.00	"
Hexachlorocyclopentadiene	ND	10.0	"
Isophorone	ND	5.00	"
N-nitroso-di-n-propylamine	ND	5.00	"
N-Nitrosodiphenylamine	ND	5.00	"
Phenol	ND	5.00	"
Pyridine	ND	5.00	"



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BK41529 - EPA 3510C

Blank (BK41529-BLK1)

Prepared: 11/22/2024 Analyzed: 11/25/2024

Surrogate: SURR: 2-Fluorophenol	12.6		ug/L	50.0		25.3	19.7-63.1			
Surrogate: SURR: Phenol-d6	7.82		"	50.0		15.6	10.1-41.7			
Surrogate: SURR: Nitrobenzene-d5	12.9		"	25.0		51.5	50.2-113			
Surrogate: SURR: 2-Fluorobiphenyl	5.44		"	25.0		21.8	39.9-105			
Surrogate: SURR: 2,4,6-Tribromophenol	32.7		"	50.0		65.3	39.3-151			
Surrogate: SURR: Terphenyl-d14	17.4		"	25.0		69.8	30.7-106			

Blank (BK41529-BLK2)

Prepared & Analyzed: 11/22/2024

Acenaphthene	ND	0.0500	ug/L
Acenaphthylene	ND	0.0500	"
Anthracene	ND	0.0500	"
Atrazine	ND	0.500	"
Benzo(a)anthracene	ND	0.0500	"
Benzo(a)pyrene	ND	0.0500	"
Benzo(b)fluoranthene	ND	0.0500	"
Benzo(g,h,i)perylene	ND	0.0500	"
Benzo(k)fluoranthene	ND	0.0500	"
Bis(2-ethylhexyl)phthalate	ND	0.500	"
Chrysene	ND	0.0500	"
Dibenzo(a,h)anthracene	ND	0.0500	"
Fluoranthene	ND	0.0500	"
Fluorene	ND	0.0500	"
Hexachlorobenzene	ND	0.0200	"
Hexachlorobutadiene	ND	0.500	"
Hexachloroethane	ND	0.500	"
Indeno(1,2,3-cd)pyrene	ND	0.0500	"
Naphthalene	ND	0.0500	"
Nitrobenzene	ND	0.250	"
N-Nitrosodimethylamine	ND	0.500	"
Pentachlorophenol	ND	0.250	"
Phenanthrene	ND	0.0500	"
Pyrene	ND	0.0500	"



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK41529 - EPA 3510C											
LCS (BK41529-BS1)						Prepared & Analyzed: 11/22/2024					
1,1-Biphenyl	11.3	5.00	ug/L	25.0		45.4	33-95				
1,2,4,5-Tetrachlorobenzene	11.7	5.00	"	25.0		46.7	26-120				
1,2-Diphenylhydrazine (as Azobenzene)	13.8	5.00	"	25.0		55.4	16-141				
2,3,4,6-Tetrachlorophenol	17.7	5.00	"	25.0		71.0	30-130				
2,4,5-Trichlorophenol	14.2	5.00	"	25.0		56.8	32-114				
2,4,6-Trichlorophenol	13.4	5.00	"	25.0		53.4	35-118				
2,4-Dichlorophenol	12.8	5.00	"	25.0		51.3	25-116				
2,4-Dimethylphenol	12.2	5.00	"	25.0		48.8	15-116				
2,4-Dinitrophenol	20.5	5.00	"	25.0		81.9	10-170				
2,4-Dinitrotoluene	15.7	5.00	"	25.0		62.6	41-128				
2,6-Dinitrotoluene	15.6	5.00	"	25.0		62.2	45-116				
2-Chloronaphthalene	10.6	5.00	"	25.0		42.5	33-112				
2-Chlorophenol	10.0	5.00	"	25.0		40.1	15-120				
2-Methylnaphthalene	10.2	5.00	"	25.0		40.6	24-118				
2-Methylphenol	9.83	5.00	"	25.0		39.3	10-110				
2-Nitroaniline	14.7	5.00	"	25.0		59.0	34-129				
2-Nitrophenol	13.3	5.00	"	25.0		53.2	28-118				
3- & 4-Methylphenols	8.28	5.00	"	25.0		33.1	10-107				
3,3-Dichlorobenzidine	10.3	5.00	"	25.0		41.1	15-187				
3-Nitroaniline	12.0	5.00	"	25.0		48.0	24-134				
4,6-Dinitro-2-methylphenol	18.5	5.00	"	25.0		73.9	10-153				
4-Bromophenyl phenyl ether	13.3	5.00	"	25.0		53.3	34-120				
4-Chloro-3-methylphenol	14.7	5.00	"	25.0		58.7	20-120				
4-Chloroaniline	7.62	5.00	"	25.0		30.5	10-147				
4-Chlorophenyl phenyl ether	12.2	5.00	"	25.0		48.8	27-121				
4-Nitroaniline	14.3	5.00	"	25.0		57.1	13-134				
4-Nitrophenol	6.28	5.00	"	25.0		25.1	10-131				
Acetophenone	13.0	5.00	"	25.0		52.0	25-110				
Aniline	3.69	5.00	"	25.0		14.8	10-117				
Benzaldehyde	12.1	5.00	"	25.0		48.2	29-117				
Benzoic acid	2.75	5.00	"	25.0		11.0	30-130	Low Bias			
Benzyl alcohol	8.44	5.00	"	25.0		33.8	10-117				
Benzyl butyl phthalate	14.6	5.00	"	25.0		58.4	29-133				
Bis(2-chloroethoxy)methane	13.6	5.00	"	25.0		54.2	10-154				
Bis(2-chloroethyl)ether	10.9	5.00	"	25.0		43.6	17-125				
Bis(2-chloroisopropyl)ether	12.0	5.00	"	25.0		48.2	10-139				
Caprolactam	2.87	5.00	"	25.0		11.5	10-137				
Carbazole	14.4	5.00	"	25.0		57.4	42-126				
Dibenzofuran	11.8	5.00	"	25.0		47.1	36-113				
Diethyl phthalate	14.8	5.00	"	25.0		59.1	38-115				
Dimethyl phthalate	14.8	5.00	"	25.0		59.3	38-129				
Di-n-butyl phthalate	15.2	5.00	"	25.0		60.8	31-120				
Di-n-octyl phthalate	14.5	5.00	"	25.0		57.9	21-149				
Diphenylamine	15.7	5.00	"	25.0		63.0	40-140				
Hexachlorocyclopentadiene	ND	10.0	"	25.0			10-130	Low Bias			
Isophorone	14.4	5.00	"	25.0		57.4	25-127				
N-nitroso-di-n-propylamine	13.1	5.00	"	25.0		52.6	26-122				
N-Nitrosodiphenylamine	16.2	5.00	"	25.0		64.7	23-149				
Phenol	4.27	5.00	"	25.0		17.1	10-110				
Pyridine	3.77	5.00	"	35.0		10.8	10-90				
Surrogate: SURR: 2-Fluorophenol	11.0		"	50.0		22.0	19.7-63.1				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BK41529 - EPA 3510C

LCS (BK41529-BS1)

Prepared & Analyzed: 11/22/2024

Surrogate: SURR: Phenol-d6	6.93		ug/L	50.0		13.9	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	11.9		"	25.0		47.4	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	9.27		"	25.0		37.1	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	34.3		"	50.0		68.6	39.3-151				
Surrogate: SURR: Terphenyl-d14	13.8		"	25.0		55.3	30.7-106				

LCS (BK41529-BS2)

Prepared: 11/22/2024 Analyzed: 11/25/2024

Acenaphthene	0.350	0.0500	ug/L	1.00		35.0	25-116				
Acenaphthylene	0.420	0.0500	"	1.00		42.0	26-116				
Anthracene	0.470	0.0500	"	1.00		47.0	25-123				
Benzo(a)anthracene	0.510	0.0500	"	1.00		51.0	33-125				
Benzo(a)pyrene	0.470	0.0500	"	1.00		47.0	32-132				
Benzo(b)fluoranthene	0.490	0.0500	"	1.00		49.0	22-137				
Benzo(g,h,i)perylene	0.500	0.0500	"	1.00		50.0	10-138				
Benzo(k)fluoranthene	0.520	0.0500	"	1.00		52.0	20-137				
Bis(2-ethylhexyl)phthalate	0.650	0.500	"	1.00		65.0	10-189				
Chrysene	0.470	0.0500	"	1.00		47.0	32-124				
Dibenzo(a,h)anthracene	0.420	0.0500	"	1.00		42.0	16-133				
Fluoranthene	0.540	0.0500	"	1.00		54.0	32-121				
Fluorene	0.430	0.0500	"	1.00		43.0	28-118				
Hexachlorobenzene	0.280	0.0200	"	1.00		28.0	23-124				
Hexachlorobutadiene	ND	0.500	"	1.00			15-123			Low Bias	
Hexachloroethane	ND	0.500	"	1.00			18-115			Low Bias	
Indeno(1,2,3-cd)pyrene	0.420	0.0500	"	1.00		42.0	15-135				
Naphthalene	0.240	0.0500	"	1.00		24.0	18-120				
Nitrobenzene	ND	0.250	"	1.00			21-121			Low Bias	
N-Nitrosodimethylamine	ND	0.500	"	1.00			10-124			Low Bias	
Pentachlorophenol	0.520	0.250	"	1.00		52.0	10-156				
Phenanthrene	0.460	0.0500	"	1.00		46.0	24-127				
Pyrene	0.420	0.0500	"	1.00		42.0	31-132				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK41529 - EPA 3510C											
LCS Dup (BK41529-BSD1)											
Prepared & Analyzed: 11/22/2024											
1,1-Biphenyl	11.4	5.00	ug/L	25.0		45.6	33-95		0.440	20	
1,2,4,5-Tetrachlorobenzene	11.7	5.00	"	25.0		46.7	26-120		0.0857	20	
1,2-Diphenylhydrazine (as Azobenzene)	14.0	5.00	"	25.0		56.2	16-141		1.36	20	
2,3,4,6-Tetrachlorophenol	18.1	5.00	"	25.0		72.3	30-130		1.90	20	
2,4,5-Trichlorophenol	14.6	5.00	"	25.0		58.4	32-114		2.85	20	
2,4,6-Trichlorophenol	13.7	5.00	"	25.0		54.8	35-118		2.66	20	
2,4-Dichlorophenol	13.3	5.00	"	25.0		53.2	25-116		3.60	20	
2,4-Dimethylphenol	12.4	5.00	"	25.0		49.6	15-116		1.55	20	
2,4-Dinitrophenol	23.3	5.00	"	25.0		93.0	10-170		12.8	20	
2,4-Dinitrotoluene	17.3	5.00	"	25.0		69.0	41-128		9.72	20	
2,6-Dinitrotoluene	17.0	5.00	"	25.0		68.1	45-116		9.03	20	
2-Chloronaphthalene	10.7	5.00	"	25.0		42.9	33-112		0.937	20	
2-Chlorophenol	10.2	5.00	"	25.0		40.8	15-120		1.68	20	
2-Methylnaphthalene	10.4	5.00	"	25.0		41.5	24-118		2.24	20	
2-Methylphenol	9.87	5.00	"	25.0		39.5	10-110		0.406	20	
2-Nitroaniline	16.0	5.00	"	25.0		64.1	34-129		8.32	20	
2-Nitrophenol	13.7	5.00	"	25.0		54.7	28-118		2.82	20	
3- & 4-Methylphenols	8.21	5.00	"	25.0		32.8	10-107		0.849	20	
3,3-Dichlorobenzidine	10.2	5.00	"	25.0		40.8	15-187		0.781	20	
3-Nitroaniline	12.7	5.00	"	25.0		50.6	24-134		5.27	20	
4,6-Dinitro-2-methylphenol	21.0	5.00	"	25.0		83.8	10-153		12.5	20	
4-Bromophenyl phenyl ether	12.9	5.00	"	25.0		51.4	34-120		3.51	20	
4-Chloro-3-methylphenol	14.9	5.00	"	25.0		59.6	20-120		1.42	20	
4-Chloroaniline	8.12	5.00	"	25.0		32.5	10-147		6.35	20	
4-Chlorophenyl phenyl ether	12.1	5.00	"	25.0		48.2	27-121		1.15	20	
4-Nitroaniline	14.9	5.00	"	25.0		59.5	13-134		4.12	20	
4-Nitrophenol	5.79	5.00	"	25.0		23.2	10-131		8.12	20	
Acetophenone	13.6	5.00	"	25.0		54.3	25-110		4.44	20	
Aniline	5.38	5.00	"	25.0		21.5	10-117		37.3	20	Non-dir.
Benzaldehyde	12.6	5.00	"	25.0		50.3	29-117		4.22	20	
Benzoic acid	ND	5.00	"	25.0			30-130	Low Bias		20	
Benzyl alcohol	8.30	5.00	"	25.0		33.2	10-117		1.67	20	
Benzyl butyl phthalate	15.2	5.00	"	25.0		61.0	29-133		4.22	20	
Bis(2-chloroethoxy)methane	14.7	5.00	"	25.0		58.6	10-154		7.80	20	
Bis(2-chloroethyl)ether	10.7	5.00	"	25.0		42.8	17-125		1.85	20	
Bis(2-chloroisopropyl)ether	12.2	5.00	"	25.0		48.8	10-139		1.32	20	
Caprolactam	2.66	5.00	"	25.0		10.6	10-137		7.59	20	
Carbazole	15.1	5.00	"	25.0		60.3	42-126		4.96	20	
Dibenzofuran	12.1	5.00	"	25.0		48.6	36-113		3.09	20	
Diethyl phthalate	15.9	5.00	"	25.0		63.5	38-115		7.18	20	
Dimethyl phthalate	15.6	5.00	"	25.0		62.6	38-129		5.45	20	
Di-n-butyl phthalate	16.1	5.00	"	25.0		64.5	31-120		5.87	20	
Di-n-octyl phthalate	14.6	5.00	"	25.0		58.4	21-149		0.757	20	
Diphenylamine	16.6	5.00	"	25.0		66.5	40-140		5.44	20	
Hexachlorocyclopentadiene	ND	10.0	"	25.0			10-130	Low Bias		20	
Isophorone	15.1	5.00	"	25.0		60.4	25-127		5.09	20	
N-nitroso-di-n-propylamine	13.7	5.00	"	25.0		54.7	26-122		3.95	20	
N-Nitrosodiphenylamine	16.8	5.00	"	25.0		67.3	23-149		3.94	20	
Phenol	4.40	5.00	"	25.0		17.6	10-110		3.00	20	
Pyridine	ND	5.00	"	35.0			10-90	Low Bias		20	
Surrogate: SURR: 2-Fluorophenol	10.7		"	50.0		21.5	19.7-63.1				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BK41529 - EPA 3510C

LCS Dup (BK41529-BSD1)

Prepared & Analyzed: 11/22/2024

Surrogate: SURR: Phenol-d6	6.90	ug/L	50.0	13.8	10.1-41.7
Surrogate: SURR: Nitrobenzene-d5	12.1	"	25.0	48.4	50.2-113
Surrogate: SURR: 2-Fluorobiphenyl	9.87	"	25.0	39.5	39.9-105
Surrogate: SURR: 2,4,6-Tribromophenol	35.6	"	50.0	71.2	39.3-151
Surrogate: SURR: Terphenyl-d14	14.3	"	25.0	57.2	30.7-106

Matrix Spike (BK41529-MS2)

*Source sample: 24K1290-02 (MW-105)

Prepared: 11/22/2024 Analyzed: 11/25/2024

1,1-Biphenyl	17.3	5.00	ug/L	25.0	ND	69.1	26-79
1,2,4,5-Tetrachlorobenzene	17.7	5.00	"	25.0	ND	70.6	33-90
1,2-Diphenylhydrazine (as Azobenzene)	19.5	5.00	"	25.0	ND	78.1	21-107
2,3,4,6-Tetrachlorophenol	21.3	5.00	"	25.0	ND	85.2	30-130
2,4,5-Trichlorophenol	17.8	5.00	"	25.0	ND	71.3	43-96
2,4,6-Trichlorophenol	17.2	5.00	"	25.0	ND	68.7	46-94
2,4-Dichlorophenol	17.3	5.00	"	25.0	ND	69.2	26-101
2,4-Dimethylphenol	16.7	5.00	"	25.0	ND	66.6	10-104
2,4-Dinitrophenol	27.8	5.00	"	25.0	ND	111	10-146
2,4-Dinitrotoluene	20.3	5.00	"	25.0	ND	81.1	30-108
2,6-Dinitrotoluene	20.6	5.00	"	25.0	ND	82.2	38-98
2-Chloronaphthalene	16.6	5.00	"	25.0	ND	66.5	30-89
2-Chlorophenol	15.0	5.00	"	25.0	ND	60.2	24-98
2-Methylnaphthalene	15.5	5.00	"	25.0	ND	62.1	10-112
2-Methylphenol	13.2	5.00	"	25.0	ND	53.0	10-134
2-Nitroaniline	19.4	5.00	"	25.0	ND	77.6	25-110
2-Nitrophenol	18.9	5.00	"	25.0	ND	75.5	10-139
3- & 4-Methylphenols	10.8	5.00	"	25.0	ND	43.4	10-91
3,3-Dichlorobenzidine	11.0	5.00	"	25.0	ND	44.0	10-140
3-Nitroaniline	13.4	5.00	"	25.0	ND	53.4	22-111
4,6-Dinitro-2-methylphenol	23.4	5.00	"	25.0	ND	93.5	10-140
4-Bromophenyl phenyl ether	18.2	5.00	"	25.0	ND	72.7	30-108
4-Chloro-3-methylphenol	18.5	5.00	"	25.0	ND	74.0	11-109
4-Chloroaniline	9.00	5.00	"	25.0	ND	36.0	10-116
4-Chlorophenyl phenyl ether	17.6	5.00	"	25.0	ND	70.2	39-85
4-Nitroaniline	16.2	5.00	"	25.0	ND	64.9	11-132
4-Nitrophenol	6.54	5.00	"	25.0	ND	26.2	10-82
Acetophenone	18.8	5.00	"	25.0	ND	75.2	14-102
Aniline	5.41	5.00	"	25.0	ND	21.6	10-80
Benzaldehyde	19.1	5.00	"	25.0	ND	76.4	13-87
Benzoic acid	5.62	5.00	"	25.0	ND	22.5	10-162
Benzyl alcohol	10.6	5.00	"	25.0	ND	42.5	10-102
Benzyl butyl phthalate	19.2	5.00	"	25.0	ND	76.9	10-133
Bis(2-chloroethoxy)methane	18.9	5.00	"	25.0	ND	75.4	18-105
Bis(2-chloroethyl)ether	16.9	5.00	"	25.0	ND	67.8	10-108
Bis(2-chloroisopropyl)ether	20.4	5.00	"	25.0	ND	81.7	13-116
Caprolactam	3.27	5.00	"	25.0	ND	13.1	10-75
Carbazole	17.7	5.00	"	25.0	ND	71.0	36-108
Dibenzofuran	17.8	5.00	"	25.0	ND	71.0	34-92
Diethyl phthalate	18.7	5.00	"	25.0	ND	74.8	33-98
Dimethyl phthalate	18.5	5.00	"	25.0	ND	73.8	18-116
Di-n-butyl phthalate	19.1	5.00	"	25.0	ND	76.3	25-97
Di-n-octyl phthalate	18.5	5.00	"	25.0	ND	73.8	10-137
Diphenylamine	19.7	5.00	"	25.0	ND	78.7	40-140



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK41529 - EPA 3510C											
Matrix Spike (BK41529-MS2)		*Source sample: 24K1290-02 (MW-105)					Prepared: 11/22/2024 Analyzed: 11/25/2024				
Hexachlorocyclopentadiene	7.58	10.0	ug/L	25.0	ND	30.3	10-79				
Isophorone	19.1	5.00	"	25.0	ND	76.3	25-103				
N-nitroso-di-n-propylamine	18.6	5.00	"	25.0	ND	74.6	19-115				
N-Nitrosodiphenylamine	20.2	5.00	"	25.0	ND	80.6	31-112				
Phenol	5.79	5.00	"	25.0	ND	23.2	10-61				
Pyridine	ND	5.00	"	35.0	ND		10-78	Low Bias			
Surrogate: SURR: 2-Fluorophenol	17.6		"	50.0		35.2	19.7-63.1				
Surrogate: SURR: Phenol-d6	10.7		"	50.0		21.4	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	19.4		"	25.0		77.7	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	17.6		"	25.0		70.3	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	42.6		"	50.0		85.3	39.3-151				
Surrogate: SURR: Terphenyl-d14	20.0		"	25.0		79.9	30.7-106				
Matrix Spike Dup (BK41529-MSD2)		*Source sample: 24K1290-02 (MW-105)					Prepared: 11/22/2024 Analyzed: 11/25/2024				
1,1-Biphenyl	12.0	5.00	ug/L	25.0	ND	48.1	26-79		35.8	25	Non-dir.
1,2,4,5-Tetrachlorobenzene	12.4	5.00	"	25.0	ND	49.7	33-90		34.8	25	Non-dir.
1,2-Diphenylhydrazine (as Azobenzene)	13.8	5.00	"	25.0	ND	55.2	21-107		34.4	25	Non-dir.
2,3,4,6-Tetrachlorophenol	15.8	5.00	"	25.0	ND	63.0	30-130		29.9	25	Non-dir.
2,4,5-Trichlorophenol	13.0	5.00	"	25.0	ND	52.2	43-96		31.0	25	Non-dir.
2,4,6-Trichlorophenol	12.5	5.00	"	25.0	ND	50.0	46-94		31.4	25	Non-dir.
2,4-Dichlorophenol	12.1	5.00	"	25.0	ND	48.3	26-101		35.6	25	Non-dir.
2,4-Dimethylphenol	11.7	5.00	"	25.0	ND	47.0	10-104		34.6	25	Non-dir.
2,4-Dinitrophenol	21.7	5.00	"	25.0	ND	86.6	10-146		24.7	25	
2,4-Dinitrotoluene	15.3	5.00	"	25.0	ND	61.2	30-108		27.9	25	Non-dir.
2,6-Dinitrotoluene	15.4	5.00	"	25.0	ND	61.6	38-98		28.7	25	Non-dir.
2-Chloronaphthalene	11.6	5.00	"	25.0	ND	46.6	30-89		35.3	25	Non-dir.
2-Chlorophenol	10.5	5.00	"	25.0	ND	42.1	24-98		35.3	25	Non-dir.
2-Methylnaphthalene	11.1	5.00	"	25.0	ND	44.2	10-112		33.6	25	Non-dir.
2-Methylphenol	9.38	5.00	"	25.0	ND	37.5	10-134		34.2	25	Non-dir.
2-Nitroaniline	14.4	5.00	"	25.0	ND	57.5	25-110		29.7	25	Non-dir.
2-Nitrophenol	13.5	5.00	"	25.0	ND	54.1	10-139		33.0	25	Non-dir.
3- & 4-Methylphenols	7.65	5.00	"	25.0	ND	30.6	10-91		34.5	25	Non-dir.
3,3-Dichlorobenzidine	7.96	5.00	"	25.0	ND	31.8	10-140		32.0	25	Non-dir.
3-Nitroaniline	12.4	5.00	"	25.0	ND	49.4	22-111		7.86	25	
4,6-Dinitro-2-methylphenol	17.6	5.00	"	25.0	ND	70.6	10-140		27.9	25	Non-dir.
4-Bromophenyl phenyl ether	13.2	5.00	"	25.0	ND	52.8	30-108		31.7	25	Non-dir.
4-Chloro-3-methylphenol	13.2	5.00	"	25.0	ND	52.7	11-109		33.6	25	Non-dir.
4-Chloroaniline	10.1	5.00	"	25.0	ND	40.2	10-116		11.1	25	
4-Chlorophenyl phenyl ether	13.0	5.00	"	25.0	ND	51.9	39-85		30.0	25	Non-dir.
4-Nitroaniline	13.3	5.00	"	25.0	ND	53.2	11-132		19.8	25	
4-Nitrophenol	5.37	5.00	"	25.0	ND	21.5	10-82		19.6	25	
Acetophenone	13.5	5.00	"	25.0	ND	54.1	14-102		32.6	25	Non-dir.
Aniline	6.14	5.00	"	25.0	ND	24.6	10-80		12.6	25	
Benzaldehyde	13.8	5.00	"	25.0	ND	55.4	13-87		31.9	25	Non-dir.
Benzoic acid	4.10	5.00	"	25.0	ND	16.4	10-162		31.3	25	Non-dir.
Benzyl alcohol	8.81	5.00	"	25.0	ND	35.2	10-102		18.6	25	
Benzyl butyl phthalate	14.5	5.00	"	25.0	ND	58.1	10-133		27.9	25	Non-dir.
Bis(2-chloroethoxy)methane	13.4	5.00	"	25.0	ND	53.7	18-105		33.7	25	Non-dir.
Bis(2-chloroethyl)ether	12.1	5.00	"	25.0	ND	48.4	10-108		33.3	25	Non-dir.
Bis(2-chloroisopropyl)ether	14.3	5.00	"	25.0	ND	57.4	13-116		35.0	25	Non-dir.
Caprolactam	2.72	5.00	"	25.0	ND	10.9	10-75		18.4	25	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BK41529 - EPA 3510C

Matrix Spike Dup (BK41529-MSD2)		*Source sample: 24K1290-02 (MW-105)						Prepared: 11/22/2024 Analyzed: 11/25/2024			
Carbazole	13.2	5.00	ug/L	25.0	ND	53.0	36-108		29.0	25	Non-dir.
Dibenzofuran	13.0	5.00	"	25.0	ND	52.1	34-92		30.8	25	Non-dir.
Diethyl phthalate	13.9	5.00	"	25.0	ND	55.7	33-98		29.4	25	Non-dir.
Dimethyl phthalate	13.6	5.00	"	25.0	ND	54.4	18-116		30.4	25	Non-dir.
Di-n-butyl phthalate	14.4	5.00	"	25.0	ND	57.8	25-97		27.7	25	Non-dir.
Di-n-octyl phthalate	13.5	5.00	"	25.0	ND	53.8	10-137		31.3	25	Non-dir.
Diphenylamine	14.2	5.00	"	25.0	ND	57.0	40-140		32.0	25	Non-dir.
Hexachlorocyclopentadiene	5.77	10.0	"	25.0	ND	23.1	10-79		27.1	25	Non-dir.
Isophorone	13.5	5.00	"	25.0	ND	54.1	25-103		34.1	25	Non-dir.
N-nitroso-di-n-propylamine	13.1	5.00	"	25.0	ND	52.2	19-115		35.2	25	Non-dir.
N-Nitrosodiphenylamine	14.9	5.00	"	25.0	ND	59.6	31-112		30.0	25	Non-dir.
Phenol	4.35	5.00	"	25.0	ND	17.4	10-61		28.4	25	Non-dir.
Pyridine	ND	5.00	"	35.0	ND		10-78	Low Bias		25	
Surrogate: SURR: 2-Fluorophenol	12.1		"	50.0		24.2	19.7-63.1				
Surrogate: SURR: Phenol-d6	7.26		"	50.0		14.5	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	13.4		"	25.0		53.6	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	12.3		"	25.0		49.2	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	31.5		"	50.0		62.9	39.3-151				
Surrogate: SURR: Terphenyl-d14	14.6		"	25.0		58.5	30.7-106				



Semivolatile Organic Compounds by GC/MS/SIM - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK41304 - EPA 3535A											
Blank (BK41304-BLK1)						Prepared: 11/19/2024 Analyzed: 11/21/2024					
1,4-Dioxane	ND	0.300	ug/L								
Surrogate: 1,4-Dioxane-d8	3.20		"	4.00		80.0	36.6-118				
LCS (BK41304-BS1)						Prepared: 11/19/2024 Analyzed: 11/21/2024					
1,4-Dioxane	3.55	0.300	ug/L	4.00		88.8	50-130				
Surrogate: 1,4-Dioxane-d8	2.88		"	4.00		72.0	36.6-118				
Matrix Spike (BK41304-MS1)						Prepared: 11/19/2024 Analyzed: 11/21/2024					
1,4-Dioxane	5.89	0.300	ug/L	4.00	ND	147	50-130	High Bias			
Surrogate: 1,4-Dioxane-d8	2.72		"	4.00		68.0	50-130				
Matrix Spike Dup (BK41304-MSD1)						Prepared: 11/19/2024 Analyzed: 11/21/2024					
1,4-Dioxane	5.87	0.300	ug/L	4.00	ND	147	50-130	High Bias	0.272	30	
Surrogate: 1,4-Dioxane-d8	2.40		"	4.00		60.0	50-130				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BK41619 - EPA 1633 Prep

Blank (BK41619-BLK1)

Prepared: 11/23/2024 Analyzed: 11/25/2024

Perfluorobutanesulfonic acid (PFBS)	ND	1.77	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	1.83	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	1.86	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	4.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	1.91	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	1.93	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	ND	7.60	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	ND	7.68	"								
Perfluoro-n-butanoic acid (PFBA)	ND	8.00	"								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	3.56	"								
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND	4.00	"								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	4.00	"								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	4.00	"								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	1.88	"								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	ND	7.50	"								
HFPO-DA (Gen-X)	ND	8.00	"								
11CL-PF3OUdS	ND	7.56	"								
9CL-PF3ONS	ND	7.48	"								
ADONA	ND	7.56	"								
Perfluorododecanesulfonic acid (PFDoS)	ND	1.94	"								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	1.92	"								
3-Perfluoropropyl propanoic acid (FPrPA)	ND	5.00	"								
3-Perfluoropentyl propanoic acid (FPePA)	ND	25.0	"								
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	25.0	"								
N-MeFOSE	ND	20.0	"								
N-MeFOSA	ND	2.00	"								
N-EtFOSE	ND	20.0	"								
N-EtFOSA	ND	2.00	"								
Surrogate: M3PFBS	32.7		"	23.3		140	25-150				
Surrogate: M5PFHxA	30.1		"	25.0		121	25-150				
Surrogate: M4PFHpA	31.7		"	25.0		127	25-150				
Surrogate: M3PFHxS	35.1		"	23.7		148	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	29.7		"	25.0		119	25-150				
Surrogate: M6PFDA	14.7		"	12.5		118	25-150				
Surrogate: M7PFUdA	17.3		"	12.5		138	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	18.7		"	12.5		150	25-150				
Surrogate: M2PFTeDA	23.6		"	12.5		188	10-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BK41619 - EPA 1633 Prep

Blank (BK41619-BLK1)

Prepared: 11/23/2024 Analyzed: 11/25/2024

Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	4.47		ng/L	100		4.47	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	28.6		"	24.0		119	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	45.0		"	50.0		90.0	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	30.2		"	25.0		121	10-150				
Surrogate: d3-N-MeFOSAA	65.6		"	50.0		131	25-150				
Surrogate: d5-N-EtFOSAA	58.8		"	50.0		118	25-150				
Surrogate: M2-6:2 FTS	107		"	47.6		225	25-200				
Surrogate: M2-8:2 FTS	88.8		"	48.0		185	25-200				
Surrogate: M9PFNA	17.0		"	12.5		136	25-150				
Surrogate: M2-4:2 FTS	103		"	46.9		221	25-150				
Surrogate: d-N-MeFOSA	33.5		"	25.0		134	25-150				
Surrogate: d-N-EtFOSA	38.6		"	25.0		154	25-150				
Surrogate: M3HFPO-DA	145		"	100		145	25-150				
Surrogate: d9-N-EtFOSE	261		"	250		104	25-150				
Surrogate: d7-N-MeFOSE	240		"	250		95.9	25-150				

LCS (BK41619-BS1)

Prepared: 11/23/2024 Analyzed: 11/25/2024

Perfluorobutanesulfonic acid (PFBS)	37.8	1.77	ng/L	35.4		107	50-150				
Perfluorohexanoic acid (PFHxA)	40.3	2.00	"	40.0		101	50-150				
Perfluoroheptanoic acid (PFHpA)	48.0	2.00	"	40.0		120	50-150				
Perfluorohexanesulfonic acid (PFHxS)	40.5	1.83	"	36.6		111	50-150				
Perfluorooctanoic acid (PFOA)	43.5	2.00	"	40.0		109	50-150				
Perfluorooctanesulfonic acid (PFOS)	37.0	1.86	"	37.2		99.6	50-150				
Perfluorononanoic acid (PFNA)	51.8	2.00	"	40.0		130	50-150				
Perfluorodecanoic acid (PFDA)	37.3	2.00	"	40.0		93.4	50-150				
Perfluoroundecanoic acid (PFUnA)	46.4	2.00	"	40.0		116	50-150				
Perfluorododecanoic acid (PFDoA)	42.6	2.00	"	40.0		107	50-150				
Perfluorotridecanoic acid (PFTriDA)	37.9	2.00	"	40.0		94.8	50-150				
Perfluorotetradecanoic acid (PFTA)	40.8	2.00	"	40.0		102	50-150				
N-MeFOSAA	40.4	2.00	"	40.0		101	50-150				
N-EtFOSAA	39.4	2.00	"	40.0		98.5	50-150				
Perfluoropentanoic acid (PFPeA)	81.8	4.00	"	80.0		102	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	49.0	2.00	"	40.0		122	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	39.1	1.91	"	38.2		102	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	40.7	1.93	"	38.6		105	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	157	7.60	"	152		103	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	142	7.68	"	154		92.7	50-150				
Perfluoro-n-butanoic acid (PFBA)	135	8.00	"	160		84.2	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	70.9	3.56	"	71.2		99.5	50-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	104	4.00	"	80.0		130	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	14.4	4.00	"	80.0		18.0	50-150				
Perfluoro-5-oxahexanoic acid (PFMBA)	109	4.00	"	80.0		136	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	39.8	1.88	"	37.6		106	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F	160	7.50	"	150		107	50-150				
HFPO-DA (Gen-X)	68.5	8.00	"	80.0		85.6	50-150				
11CL-PF3OUdS	72.0	7.56	"	75.6		95.3	50-150				
9CL-PF3ONS	72.7	7.48	"	74.8		97.1	50-150				
ADONA	70.1	7.56	"	75.6		92.8	50-150				

Low Bias





PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BK41619 - EPA 1633 Prep

LCS (BK41619-BS1)

Prepared: 11/23/2024 Analyzed: 11/25/2024

Perfluorododecanesulfonic acid (PFDoS)	38.3	1.94	ng/L	38.8		98.7	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	45.4	1.92	"	38.4		118	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	98.8	5.00	"	160		61.8	50-150				
3-Perfluoropentyl propanoic acid (FPePA)	805	25.0	"	800		101	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	707	25.0	"	800		88.4	50-150				
N-MeFOSE	402	20.0	"	400		101	50-150				
N-MeFOSA	37.5	2.00	"	40.0		93.6	50-150				
N-EtFOSE	361	20.0	"	400		90.1	50-150				
N-EtFOSA	41.3	2.00	"	40.0		103	50-150				
Surrogate: M3PFBS	25.5		"	23.3		110	25-150				
Surrogate: M5PFHxA	29.8		"	25.0		119	25-150				
Surrogate: M4PFHpA	30.0		"	25.0		120	25-150				
Surrogate: M3PFHxS	27.4		"	23.7		116	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	26.8		"	25.0		107	25-150				
Surrogate: M6PFDA	12.7		"	12.5		102	25-150				
Surrogate: M7PFUdA	14.3		"	12.5		114	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	15.9		"	12.5		127	25-150				
Surrogate: M2PFTeDA	19.0		"	12.5		152	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	3.23		"	100		3.23	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	25.5		"	24.0		107	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	35.1		"	50.0		70.3	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	26.4		"	25.0		106	10-150				
Surrogate: d3-N-MeFOSAA	54.2		"	50.0		108	25-150				
Surrogate: d5-N-EtFOSAA	57.0		"	50.0		114	25-150				
Surrogate: M2-6:2 FTS	85.2		"	47.6		179	25-200				
Surrogate: M2-8:2 FTS	77.0		"	48.0		160	25-200				
Surrogate: M9PFNA	11.0		"	12.5		87.8	25-150				
Surrogate: M2-4:2 FTS	74.3		"	46.9		158	25-150				
Surrogate: d-N-MeFOSA	37.9		"	25.0		152	25-150				
Surrogate: d-N-EtFOSA	35.9		"	25.0		144	25-150				
Surrogate: M3HFPO-DA	138		"	100		138	25-150				
Surrogate: d9-N-EtFOSE	254		"	250		101	25-150				
Surrogate: d7-N-MeFOSE	235		"	250		94.1	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK41619 - EPA 1633 Prep											
LCS (BK41619-BS2)						Prepared: 11/23/2024 Analyzed: 11/25/2024					
Perfluorobutanesulfonic acid (PFBS)	4.15	1.77	ng/L	3.54		117	50-150				
Perfluorohexanoic acid (PFHxA)	4.15	2.00	"	4.00		104	50-150				
Perfluoroheptanoic acid (PFHpA)	4.68	2.00	"	4.00		117	50-150				
Perfluorohexanesulfonic acid (PFHxS)	5.06	1.83	"	3.66		138	50-150				
Perfluorooctanoic acid (PFOA)	3.98	2.00	"	4.00		99.6	50-150				
Perfluorooctanesulfonic acid (PFOS)	4.49	1.86	"	3.72		121	50-150				
Perfluorononanoic acid (PFNA)	5.15	2.00	"	4.00		129	50-150				
Perfluorodecanoic acid (PFDA)	4.00	2.00	"	4.00		100	50-150				
Perfluoroundecanoic acid (PFUnA)	4.69	2.00	"	4.00		117	50-150				
Perfluorododecanoic acid (PFDoA)	3.96	2.00	"	4.00		99.1	50-150				
Perfluorotridecanoic acid (PFTriDA)	4.80	2.00	"	4.00		120	50-150				
Perfluorotetradecanoic acid (PFTA)	4.26	2.00	"	4.00		106	50-150				
N-MeFOSAA	3.58	2.00	"	4.00		89.5	50-150				
N-EtFOSAA	4.45	2.00	"	4.00		111	50-150				
Perfluoropentanoic acid (PFPeA)	8.10	4.00	"	8.00		101	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	4.96	2.00	"	4.00		124	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	4.05	1.91	"	3.82		106	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	4.35	1.93	"	3.86		113	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	15.6	7.60	"	15.2		102	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	15.6	7.68	"	15.4		102	50-150				
Perfluoro-n-butanoic acid (PFBA)	13.2	8.00	"	16.0		82.5	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	7.08	3.56	"	7.12		99.5	50-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	8.12	4.00	"	8.00		101	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	1.46	4.00	"	8.00		18.2	50-150	Low Bias			
Perfluoro-5-oxahexanoic acid (PFMBA)	11.2	4.00	"	8.00		140	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	4.75	1.88	"	3.76		126	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F	17.0	7.50	"	15.0		113	50-150				
HFPO-DA (Gen-X)	8.83	8.00	"	8.00		110	50-150				
11CL-PF3OUdS	7.81	7.56	"	7.56		103	50-150				
9CL-PF3ONS	7.79	7.48	"	7.48		104	50-150				
ADONA	8.39	7.56	"	7.56		111	50-150				
Perfluorododecanesulfonic acid (PFDoS)	4.55	1.94	"	3.88		117	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	5.97	1.92	"	3.84		155	50-150	High Bias			
3-Perfluoropropyl propanoic acid (FPrPA)	9.85	5.00	"	16.0		61.5	50-150				
3-Perfluoropentyl propanoic acid (FPePA)	82.4	25.0	"	80.0		103	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	80.8	25.0	"	80.0		101	50-150				
N-MeFOSE	46.6	20.0	"	40.0		116	50-150				
N-MeFOSA	3.82	2.00	"	4.00		95.5	50-150				
N-EtFOSE	44.8	20.0	"	40.0		112	50-150				
N-EtFOSA	4.61	2.00	"	4.00		115	50-150				
Surrogate: M3PFBS	27.0		"	23.3		116	25-150				
Surrogate: M5PFHxA	32.3		"	25.0		129	25-150				
Surrogate: M4PFHpA	34.0		"	25.0		136	25-150				
Surrogate: M3PFHxS	29.6		"	23.7		125	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	32.0		"	25.0		128	25-150				
Surrogate: M6PFDA	16.8		"	12.5		134	25-150				
Surrogate: M7PFUdA	16.7		"	12.5		133	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	20.7		"	12.5		165	25-150				
Surrogate: M2PFTeDA	21.6		"	12.5		173	10-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BK41619 - EPA 1633 Prep

LCS (BK41619-BS2)

Prepared: 11/23/2024 Analyzed: 11/25/2024

Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	3.53		ng/L	100		3.53	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	25.4		"	24.0		106	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	36.7		"	50.0		73.3	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	31.5		"	25.0		126	10-150				
Surrogate: d3-N-MeFOSAA	59.6		"	50.0		119	25-150				
Surrogate: d5-N-EtFOSAA	63.1		"	50.0		126	25-150				
Surrogate: M2-6:2 FTS	91.1		"	47.6		192	25-200				
Surrogate: M2-8:2 FTS	73.9		"	48.0		154	25-200				
Surrogate: M9PFNA	12.7		"	12.5		102	25-150				
Surrogate: M2-4:2 FTS	85.8		"	46.9		183	25-150				
Surrogate: d-N-MeFOSA	40.7		"	25.0		163	25-150				
Surrogate: d-N-EtFOSA	42.3		"	25.0		169	25-150				
Surrogate: M3HFPO-DA	142		"	100		142	25-150				
Surrogate: d9-N-EtFOSE	260		"	250		104	25-150				
Surrogate: d7-N-MeFOSE	251		"	250		101	25-150				

Matrix Spike (BK41619-MS2)

*Source sample: 24K1290-02 (MW-105)

Prepared: 11/23/2024 Analyzed: 11/25/2024

Perfluorobutanesulfonic acid (PFBS)	43.5	1.66	ng/L	33.3	7.80	107	25-150				
Perfluorohexanoic acid (PFHxA)	48.1	1.88	"	37.6	13.0	93.2	25-150				
Perfluoroheptanoic acid (PFHpA)	50.4	1.88	"	37.6	7.04	115	25-150				
Perfluorohexanesulfonic acid (PFHxS)	40.8	1.72	"	34.4	6.03	101	25-150				
Perfluorooctanoic acid (PFOA)	51.1	1.88	"	37.6	20.9	80.3	25-150				
Perfluorooctanesulfonic acid (PFOS)	64.1	1.75	"	35.0	29.2	99.5	25-150				
Perfluorononanoic acid (PFNA)	41.1	1.88	"	37.6	2.67	102	25-150				
Perfluorodecanoic acid (PFDA)	41.4	1.88	"	37.6	ND	110	25-150				
Perfluoroundecanoic acid (PFUnA)	37.1	1.88	"	37.6	ND	98.7	25-150				
Perfluorododecanoic acid (PFDoA)	35.3	1.88	"	37.6	ND	93.9	25-150				
Perfluorotridecanoic acid (PFTrDA)	33.8	1.88	"	37.6	ND	89.7	25-150				
Perfluorotetradecanoic acid (PFTA)	34.9	1.88	"	37.6	ND	92.9	25-150				
N-MeFOSAA	33.2	1.88	"	37.6	ND	88.2	25-150				
N-EtFOSAA	38.4	1.88	"	37.6	ND	102	25-150				
Perfluoropentanoic acid (PFPeA)	86.7	3.76	"	75.2	13.5	97.4	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	42.6	1.88	"	37.6	ND	113	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	37.2	1.80	"	35.9	ND	104	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	30.0	1.81	"	36.3	ND	82.8	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	135	7.15	"	143	ND	94.1	25-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	134	7.22	"	144	ND	92.5	25-150				
Perfluoro-n-butanoic acid (PFBA)	160	7.52	"	150	7.08	101	25-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	63.2	3.35	"	67.0	ND	94.4	25-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	78.6	3.76	"	75.2	ND	104	25-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	55.2	3.76	"	75.2	ND	73.4	25-150				
Perfluoro-5-oxahexanoic acid (PFMBA)	76.0	3.76	"	75.2	ND	101	25-150				
Perfluoro-1-pentanesulfonate (PFPeS)	35.8	1.77	"	35.4	1.01	98.5	25-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F	145	7.05	"	141	ND	103	25-150				
HFPO-DA (Gen-X)	64.6	7.52	"	75.2	ND	85.9	25-150				
11CL-PF3OUdS	60.5	7.11	"	71.1	ND	85.1	25-150				
9CL-PF3ONS	67.7	7.03	"	70.3	ND	96.2	25-150				
ADONA	69.1	7.11	"	71.1	ND	97.2	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BK41619 - EPA 1633 Prep

Matrix Spike (BK41619-MS2)	*Source sample: 24K1290-02 (MW-105)						Prepared: 11/23/2024 Analyzed: 11/25/2024				
Perfluorododecanesulfonic acid (PFDoS)	35.7	1.82	ng/L	36.5	ND	97.9	25-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	39.0	1.81	"	36.1	ND	108	25-150				
3-Perfluoropropyl propanoic acid (FPrPA)	130	4.70	"	150	ND	86.3	25-150				
3-Perfluoropentyl propanoic acid (FPePA)	717	23.5	"	752	ND	95.3	25-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	659	23.5	"	752	ND	87.6	25-150				
N-MeFOSE	394	18.8	"	376	ND	105	25-150				
N-MeFOSA	32.9	1.88	"	37.6	ND	87.5	25-150				
N-EtFOSE	337	18.8	"	376	ND	89.5	25-150				
N-EtFOSA	31.6	1.88	"	37.6	ND	84.1	25-150				
Surrogate: M3PFBS	25.6		"	21.9		117	25-150				
Surrogate: M5PFHxA	27.5		"	23.5		117	25-150				
Surrogate: M4PFHpA	28.4		"	23.5		121	25-150				
Surrogate: M3PFHxS	28.9		"	22.3		129	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	26.0		"	23.5		111	25-150				
Surrogate: M6PFDA	12.0		"	11.8		102	25-150				
Surrogate: M7PFUdA	12.3		"	11.8		105	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	15.5		"	11.8		132	25-150				
Surrogate: M2PFTeDA	17.6		"	11.8		150	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	41.2		"	94.0		43.8	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	23.6		"	22.5		105	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	53.3		"	47.0		113	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	25.1		"	23.5		107	10-150				
Surrogate: d3-N-MeFOSAA	51.6		"	47.0		110	25-150				
Surrogate: d5-N-EtFOSAA	46.0		"	47.0		97.7	25-150				
Surrogate: M2-6:2 FTS	88.7		"	44.7		198	25-200				
Surrogate: M2-8:2 FTS	77.0		"	45.1		170	25-200				
Surrogate: M9PFNA	14.6		"	11.8		124	25-150				
Surrogate: M2-4:2 FTS	70.6		"	44.1		160	25-150				
Surrogate: d-N-MeFOSA	26.4		"	23.5		112	25-150				
Surrogate: d-N-EtFOSA	28.2		"	23.5		120	25-150				
Surrogate: M3HFPO-DA	116		"	94.0		124	25-150				
Surrogate: d9-N-EtFOSE	217		"	235		92.5	25-150				
Surrogate: d7-N-MeFOSE	207		"	235		88.1	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK41619 - EPA 1633 Prep											
Matrix Spike Dup (BK41619-MSD2)		*Source sample: 24K1290-02 (MW-105)						Prepared: 11/23/2024 Analyzed: 11/25/2024			
Perfluorobutanesulfonic acid (PFBS)	40.6	1.66	ng/L	33.3	7.80	98.7	25-150		6.81	35	
Perfluorohexanoic acid (PFHxA)	51.5	1.88	"	37.6	13.0	102	25-150		6.78	35	
Perfluoroheptanoic acid (PFHpA)	45.7	1.88	"	37.6	7.04	103	25-150		9.75	35	
Perfluorohexanesulfonic acid (PFHxS)	41.7	1.72	"	34.4	6.03	104	25-150		2.20	35	
Perfluorooctanoic acid (PFOA)	52.3	1.88	"	37.6	20.9	83.4	25-150		2.26	35	
Perfluorooctanesulfonic acid (PFOS)	64.7	1.75	"	35.0	29.2	101	25-150		0.941	35	
Perfluorononanoic acid (PFNA)	43.9	1.88	"	37.6	2.67	110	25-150		6.59	35	
Perfluorodecanoic acid (PFDA)	35.2	1.88	"	37.6	ND	93.7	25-150		16.0	35	
Perfluoroundecanoic acid (PFUnA)	36.6	1.88	"	37.6	ND	97.3	25-150		1.42	35	
Perfluorododecanoic acid (PFDoA)	31.7	1.88	"	37.6	ND	84.4	25-150		10.7	35	
Perfluorotridecanoic acid (PFTriDA)	30.2	1.88	"	37.6	ND	80.3	25-150		11.1	35	
Perfluorotetradecanoic acid (PFTA)	30.6	1.88	"	37.6	ND	81.5	25-150		13.2	35	
N-MeFOSAA	35.1	1.88	"	37.6	ND	93.4	25-150		5.66	35	
N-EtFOSAA	34.0	1.88	"	37.6	ND	90.4	25-150		12.3	35	
Perfluoropentanoic acid (PFPeA)	90.3	3.76	"	75.2	13.5	102	25-150		4.05	35	
Perfluoro-1-octanesulfonamide (FOSA)	44.5	1.88	"	37.6	ND	118	25-150		4.32	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	37.6	1.80	"	35.9	ND	105	25-150		0.928	35	
Perfluoro-1-decanesulfonic acid (PFDS)	34.7	1.81	"	36.3	ND	95.7	25-150		14.5	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	127	7.14	"	143	ND	89.0	25-150		5.70	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	133	7.22	"	144	ND	92.3	25-150		0.289	35	
Perfluoro-n-butanoic acid (PFBA)	155	7.52	"	150	7.08	98.5	25-150		2.86	35	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	65.8	3.35	"	66.9	ND	98.3	25-150		4.01	30	
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	70.2	3.76	"	75.2	ND	93.4	25-150		11.2	30	
Perfluoro-4-oxapentanoic acid (PFMPA)	49.3	3.76	"	75.2	ND	65.5	25-150		11.3	30	
Perfluoro-5-oxahexanoic acid (PFMBA)	76.0	3.76	"	75.2	ND	101	25-150		0.0272	30	
Perfluoro-1-pentanesulfonate (PFPeS)	35.7	1.77	"	35.3	1.01	98.3	25-150		0.291	30	
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F	146	7.05	"	141	ND	103	25-150		0.469	30	
HFPO-DA (Gen-X)	60.1	7.52	"	75.2	ND	79.9	25-150		7.23	30	
11CL-PF3OUdS	60.4	7.11	"	71.1	ND	84.9	25-150		0.242	30	
9CL-PF3ONS	62.6	7.03	"	70.3	ND	89.0	25-150		7.89	30	
ADONA	62.5	7.11	"	71.1	ND	88.0	25-150		10.0	30	
Perfluorododecanesulfonic acid (PFDoS)	37.8	1.82	"	36.5	ND	104	25-150		5.83	30	
Perfluoro-1-nonanesulfonic acid (PFNS)	42.6	1.80	"	36.1	ND	118	25-150		8.83	30	
3-Perfluoropropyl propanoic acid (FPrPA)	133	4.70	"	150	ND	88.5	25-150		2.50	30	
3-Perfluoropentyl propanoic acid (FPePA)	741	23.5	"	752	ND	98.5	25-150		3.25	30	
3-Perfluoroheptyl propanoic acid (FHpPA)	700	23.5	"	752	ND	93.0	25-150		6.01	30	
N-MeFOSE	401	18.8	"	376	ND	107	25-150		1.77	30	
N-MeFOSA	33.3	1.88	"	37.6	ND	88.7	25-150		1.37	30	
N-EtFOSE	342	18.8	"	376	ND	90.9	25-150		1.52	30	
N-EtFOSA	31.2	1.88	"	37.6	ND	82.9	25-150		1.46	30	
Surrogate: M3PFBS	25.8		"	21.9		118	25-150				
Surrogate: M5PFHxA	27.1		"	23.5		115	25-150				
Surrogate: M4PFHpA	29.2		"	23.5		124	25-150				
Surrogate: M3PFHxS	28.9		"	22.3		130	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	28.2		"	23.5		120	25-150				
Surrogate: M6PFDA	12.7		"	11.8		108	25-150				
Surrogate: M7PFUdA	14.5		"	11.8		124	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	16.2		"	11.8		138	25-150				
Surrogate: M2PFTeDA	21.7		"	11.8		185	10-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

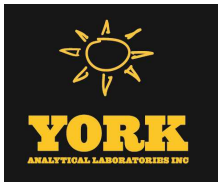
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BK41619 - EPA 1633 Prep

Matrix Spike Dup (BK41619-MSD2)		*Source sample: 24K1290-02 (MW-105)						Prepared: 11/23/2024 Analyzed: 11/25/2024			
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	34.2		ng/L	94.0		36.4	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	22.5		"	22.5		100	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	52.4		"	47.0		112	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	24.2		"	23.5		103	10-150				
Surrogate: d3-N-MeFOSAA	50.5		"	47.0		107	25-150				
Surrogate: d5-N-EtFOSAA	48.5		"	47.0		103	25-150				
Surrogate: M2-6:2 FTS	89.0		"	44.7		199	25-200				
Surrogate: M2-8:2 FTS	77.5		"	45.1		172	25-200				
Surrogate: M9PFNA	13.6		"	11.8		116	25-150				
Surrogate: M2-4:2 FTS	68.6		"	44.1		156	25-150				
Surrogate: d-N-MeFOSA	25.8		"	23.5		110	25-150				
Surrogate: d-N-EtFOSA	29.3		"	23.5		125	25-150				
Surrogate: M3HFPO-DA	130		"	94.0		139	25-150				
Surrogate: d9-N-EtFOSE	218		"	235		92.9	25-150				
Surrogate: d7-N-MeFOSE	201		"	235		85.4	25-150				



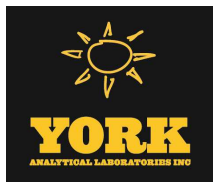


Semivolatile Organic Compounds by GC/MS TIC - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC Limits	Flag	RPD Limit	Flag

Batch BK41529 - EPA 3510C

Blank (BK41529-BLK1)					Prepared: 11/22/2024 Analyzed: 11/25/2024				
Tentatively Identified Compounds	0.00		ug/L						



Metals by ICP/MS - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BK41435 - EPA 3015A

Blank (BK41435-BLK1)

Prepared: 11/21/2024 Analyzed: 11/22/2024

Arsenic	ND	1.11	ug/L
Barium	ND	1.11	"
Cadmium	ND	0.556	"
Chromium	ND	1.11	"
Lead	ND	1.11	"
Selenium	ND	1.11	"
Silver	ND	1.11	"

LCS (BK41435-BS1)

Prepared: 11/21/2024 Analyzed: 11/22/2024

Arsenic	50.7		ug/L	50.0	101	80-120
Barium	48.3		"	50.0	96.6	80-120
Cadmium	48.0		"	50.0	96.0	80-120
Chromium	50.0		"	50.0	100	80-120
Lead	48.2		"	50.0	96.4	80-120
Selenium	45.0		"	50.0	90.1	80-120
Silver	47.0		"	50.0	93.9	80-120

Duplicate (BK41435-DUP1)

*Source sample: 24K1290-02 (MW-105)

Prepared: 11/21/2024 Analyzed: 11/22/2024

Arsenic	ND	1.11	ug/L	ND			20
Barium	153	1.11	"	141		8.41	20
Cadmium	ND	0.556	"	ND			20
Chromium	1.98	1.11	"	1.13		54.8	20 Non-dir.
Lead	ND	1.11	"	ND			20
Selenium	1.44	1.11	"	1.56		7.85	20
Silver	ND	1.11	"	ND			20

Matrix Spike (BK41435-MS1)

*Source sample: 24K1290-02 (MW-105)

Prepared: 11/21/2024 Analyzed: 11/22/2024

Arsenic	55.4		ug/L	50.0	0.490	110	75-125
Barium	217		"	50.0	127	181	75-125 High Bias
Cadmium	74.0		"	50.0	0.083	148	75-125 High Bias
Chromium	60.9		"	50.0	1.01	120	75-125
Lead	46.6		"	50.0	0.484	92.2	75-125
Selenium	59.4		"	50.0	1.40	116	75-125
Silver	46.5		"	50.0	0.023	92.9	75-125



Mercury by EPA 7000/200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK41533 - EPA SW846-7470A											
Blank (BK41533-BLK1)								Prepared & Analyzed: 11/22/2024			
Mercury	ND	0.0002	mg/L								
LCS (BK41533-BS1)								Prepared & Analyzed: 11/22/2024			
Mercury	0.0020743	0.0002	mg/L	0.00200		104	80-120				
Duplicate (BK41533-DUP1)								Prepared & Analyzed: 11/22/2024			
Mercury	ND	0.0002	mg/L		ND					20	
Matrix Spike (BK41533-MS1)								Prepared & Analyzed: 11/22/2024			
Mercury	0.0020	0.0002	mg/L	0.00200	ND	100	75-125				
Matrix Spike Dup (BK41533-MSD1)								Prepared & Analyzed: 11/22/2024			
Mercury	0.0018	0.0002	mg/L	0.00200	ND	91.3	75-125		9.27	200	



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
24K1290-01	MW-104	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24K1290-02	MW-105	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24K1290-03	MW-202	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24K1290-04	MW-201	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24K1290-05	Dup	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24K1290-06	Field Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24K1290-07	Trip Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

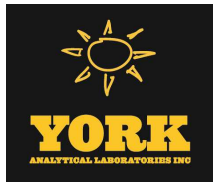


Sample and Data Qualifiers Relating to This Work Order

S-08	The recovery of this surrogate was outside of QC limits.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
PFSu-L	The isotopically labeled surrogate recovered below lab control limits due to a matrix effect. Isotope Dilution was applied.
PFSu-H	The isotopically labeled surrogate recovered above lab control limits due to a matrix effect. Isotope Dilution was applied.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
ICVE	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
CCVE	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
CAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%)
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.



If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Corrective Action: Per client request 11/19/24, the Field Blank sample is to be analyzed for VOCs and PFAS only.

APPENDIX H

Laboratory Analytical Reports



Geology

Hydrology

Remediation

Water Supply

January 7, 2025

Mr. Patrick Montuori, P.G.
Associate Project Manager
HRP Associates, Inc.
1 Fairchild Square, Suite 110
Clifton Park, New York 12065

Re: Data Usability Summary Report
350-352 Liberty Street, Newburgh, NY (Site no: B00189)
Ground Water and Soil Gas Sampling Events

Dear Mr. Montuori:

The data usability summary reports (DUSRs) and data validation summary are attached to this letter for the 350-352 Liberty Street, March-November 2024 soil gas and ground water sampling events. The data for York Analytical Laboratories, Inc., SDG numbers 24D0037, 24D1533, and 24K1290 are mostly acceptable with some issues identified in the validation summaries. There are data that were qualified as rejected, unusable (R) in data packs 24D1533 and 24K1290. The data is rejected based solely on the validation guidance criteria. The rejected data may be determined to be acceptable to the user based on additional information that is not contained in the data validation criteria.

A list of common data validation acronyms and data validation qualifiers are attached to this letter to assist you interpreting the validation summaries. If you have any questions concerning the work performed, please contact me at (518) 348-6995. Thank you for the opportunity to assist HRP Associates, Inc.

Sincerely,
Alpha Geoscience

Donald Anné
Senior Chemist

DCA/bms
Via email

z:\projects\2024\24621-24640\24624-350-352 liberty street\task 1 dusr\temp-review\liberty street-241.ltr.docx

Alpha Geoscience: Acronyms and Definitions

Data Validation Acronyms

AA	Atomic absorption, flame technique
BHC	Hexachlorocyclohexane
BFB	Bromofluorobenzene
CCB	Continuing calibration blank
CCC	Calibration check compound
CCV	Continuing calibration verification
CN	Cyanide
CRDL	Contract required detection limit
CRQL	Contract required quantitation limit
CVAA	Atomic adsorption, cold vapor technique
DCAA	2,4-Dichlorophenylacetic acid
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenyl phosphine
ECD	Electron capture detector
FAA	Atomic absorption, furnace technique
FID	Flame ionization detector
FNP	1-Fluoronaphthalene
GC	Gas chromatography
GC/MS	Gas chromatography/mass spectrometry
GPC	Gel permeation chromatography
ICB	Initial calibration blank
ICP	Inductively coupled plasma-atomic emission spectrometer
ICV	Initial calibration verification
IDL	Instrument detection limit
IS	Internal standard
LCS	Laboratory control sample
LCS/LCSD	Laboratory control sample/laboratory control sample duplicate
MSA	Method of standard additions
MS/MSD	Matrix spike/matrix spike duplicate
PID	Photo ionization detector
PCB	Polychlorinated biphenyl
PCDD	Polychlorinated dibenzodioxins
PCDF	Polychlorinated dibenzofurans
QA	Quality assurance
QC	Quality control
RF	Response factor
RPD	Relative percent difference
RRF	Relative response factor
RRF(number)	Relative response factor at concentration of the number following
RT	Retention time
RRT	Relative retention time
SDG	Sample delivery group
SPCC	System performance check compound
TCX	Tetrachloro-m-xylene
%D	Percent difference
%R	Percent recovery
%RSD	Percent relative standard deviation

Data Validation Qualifiers Used in the QA/QC Reviews for USEPA Region II

U	=	Not detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank.
R	=	Unreliable result; data is rejected or unusable. Analyte may or may not be present in the sample. Supporting data or information is necessary to confirm the result.
N	=	Tentative identification. Analyte is considered present. Special methods may be needed to confirm its presence or absence during future sampling efforts.
J	=	Analyte is present. Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.
J-	=	Analyte is present. Reported value may be biased low and associated with a higher level of uncertainty than is normally expected with the analytical method.
J+	=	Analyte is present. Reported value may be biased high and associated with a higher level of uncertainty than is normally expected with the analytical method.
UJ	=	Not detected, quantitation limit may be inaccurate or imprecise.

Note: These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.

Polyfluorinated Alkyl Substances (PFAS) Acronyms

PFBA	Perfluorobutanoic acid
PFPeA	Perfluoropentanoic acid
PFHxA	Perfluorohexanoic acid
PFHpA	Perfluoroheptanoic acid
PFOA	Perfluorooctanoic acid
PFNA	Perfluorononanoic acid
PFDA	Perfluorodecanoic acid
PFUnA	Perfluoroundecanoic acid
PFDoA	Perfluorododecanoic acid
PFTriA or PFTrDA	Perfluorotridecanoic acid
PFTeA or PFTA	Perfluorotetradecanoic acid
PFBS	Perfluorobutanesulfonic acid
PFPeS	Perfluoropentanesulfonic acid
PFHxS	Perfluorohexanesulfonic acid
PFHpS	Perfluoroheptanesulfonic acid
PFOS	Perfluorooctanesulfonic acid
PFNS	Perfluorononanesulfonic acid
PFDS	Perfluorodecanesulfonic acid
FOSA	Perfluorooctane Sulfonamide
NMeFOSAA	N-methyl perfluorooctane sulfonamidoacetic acid
NEtFOSAA	N-ethyl perfluorooctane sulfonamidoacetic acid
4:2 FTS or 4:2	1H, 1H, 2H, 2H-perfluorohexanesulfonic acid
6:2 FTS or 6:2	1H, 1H, 2H, 2H-perfluorooctanesulfonic acid or 6:2 Fluorotelomersulfonate
8:2 FTS or 8:2	1H, 1H, 2H, 2H-perfluorodecanesulfonic acid or 8:2 Fluorotelomersulfonate



Geology

Hydrology

Remediation

Water Supply

**Data Usability Summary Report for
York Analytical Laboratories, Inc., SDG: 24D0037**

**6 Soil Vapor/Air Samples
Collected March 29, 2024**

Prepared by: Donald Anné
January 7, 2025

The data packages contain the documentation required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data pack contained the results for 6 soil vapor/air samples.

The overall performances of the analyses are acceptable. York Analytical Laboratories, Inc. did fulfill the requirements of the method for TO-15 volatiles.

The data are mostly acceptable with some issues that are identified in the accompanying data validation review. The following data were qualified:

- The positive volatile results for isopropanol were qualified as “estimated” (J) for samples B-SS-1, B-SS-2, B-IA-1-DUP, B-IA-2, and OA 3.28.24 because %RSDs for isopropanol were above the allowable maximums in the associated initial calibrations.
- The positive volatile results for trichloroethylene were qualified as “estimated” (J) for samples B-SS-2, B-IA-1-DUP, and B-IA-2 because %RSD for trichloroethylene was above the allowable maximums in the associated initial calibration.
- The positive volatile result for cis-1,2-dichloroethylene was qualified as “estimated” (J) for sample B-IA-2 because %RSD for cis-1,2-dichloroethylene was above the allowable maximums in the associated initial calibration.
- The “not detected” volatile results for 1,2,4-trichlorobenzene, 4-methyl-2-pentanone, and naphthalene were qualified as “estimated” (UJ) for sample B-SS-1 because percent recoveries for these compounds were below QC limits but not below 25% in the associated vapor/air LCS.
- The positive volatile result for acetone was qualified as “estimated, biased low” (J-) for sample B-SS-1 because percent recovery for acetone was below QC limits but not below 25% in the associated vapor/air LCS.

- The positive volatile results for 28 compounds were qualified as “estimated” (J) for sample B-IA-1 because the laboratory reported no residual vacuum in the sample.
- The positive volatile results for 1,2,4-trimethylbenzene, p&m-xylenes, p-ethyltoluene, and styrene were qualified as estimated (J) for sample B-IA-1-DUP because the relative percent differences for these were above the allowable maximum for the vapor/air field duplicate pair B-IA-1/B-IA-1-DUP.

All data are considered usable, with estimated (J, J-, or UJ) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation review.

24D0037

Qualified Data Section



Sample Information

Client Sample ID: B-SS-1

York Sample ID: 24D0037-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D0037

NEW6313. RA 350-352 Liberty Street, Newburgh, NY

Soil Vapor

March 29, 2024 10:00 am

04/01/2024

VOA, TO15 Isooctane (2,2,4-TMP) Add On

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOO	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
540-84-1	* 2,2,4-Trimethylpentane	ND		ug/m ³	1.59	1.698	EPA TO-15	04/10/2024 12:00	04/10/2024 19:24	YR
Certifications:										

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOO	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	1.2	1.698	EPA TO-15	04/10/2024 12:00	04/10/2024 19:24	YR
Certifications:										
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.93	1.698	EPA TO-15	04/10/2024 12:00	04/10/2024 19:24	YR
Certifications:							NELAC-NY12058,NJDEP-NY037			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.2	1.698	EPA TO-15	04/10/2024 12:00	04/10/2024 19:24	YR
Certifications:							NELAC-NY12058,NJDEP-NY037			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.3	1.698	EPA TO-15	04/10/2024 12:00	04/10/2024 19:24	YR
Certifications:							NELAC-NY12058,NJDEP-NY037			
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.93	1.698	EPA TO-15	04/10/2024 12:00	04/10/2024 19:24	YR
Certifications:							NELAC-NY12058,NJDEP-NY037			
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.69	1.698	EPA TO-15	04/10/2024 12:00	04/10/2024 19:24	YR
Certifications:							NELAC-NY12058,NJDEP-NY037			
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.17	1.698	EPA TO-15	04/10/2024 12:00	04/10/2024 19:24	YR
Certifications:							NELAC-NY12058,NJDEP-NY037			
120-82-1	1,2,4-Trichlorobenzene	ND	UJ	TO-LC S-L, ICVE ug/m ³	1.3	1.698	EPA TO-15	04/10/2024 12:00	04/10/2024 19:24	YR
Certifications:							NELAC-NY12058,NJDEP-NY037			
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	0.83	1.698	EPA TO-15	04/10/2024 12:00	04/10/2024 19:24	YR
Certifications:							NELAC-NY12058,NJDEP-NY037			
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.3	1.698	EPA TO-15	04/10/2024 12:00	04/10/2024 19:24	YR
Certifications:							NELAC-NY12058,NJDEP-NY037			
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	1.0	1.698	EPA TO-15	04/10/2024 12:00	04/10/2024 19:24	YR
Certifications:							NELAC-NY12058,NJDEP-NY037			
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.69	1.698	EPA TO-15	04/10/2024 12:00	04/10/2024 19:24	YR
Certifications:							NELAC-NY12058,NJDEP-NY037			
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.78	1.698	EPA TO-15	04/10/2024 12:00	04/10/2024 19:24	YR
Certifications:							NELAC-NY12058,NJDEP-NY037			
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.2	1.698	EPA TO-15	04/10/2024 12:00	04/10/2024 19:24	YR
Certifications:							NELAC-NY12058,NJDEP-NY037			
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.83	1.698	EPA TO-15	04/10/2024 12:00	04/10/2024 19:24	YR
Certifications:							NELAC-NY12058,NJDEP-NY037			
106-99-0	1,3-Butadiene	ND		ug/m ³	1.1	1.698	EPA TO-15	04/10/2024 12:00	04/10/2024 19:24	YR
Certifications:							NELAC-NY12058,NJDEP-NY037			
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	1.0	1.698	EPA TO-15	04/10/2024 12:00	04/10/2024 19:24	YR
Certifications:							NELAC-NY12058,NJDEP-NY037			
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.78	1.698	EPA TO-15	04/10/2024 12:00	04/10/2024 19:24	YR
Certifications:										
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	1.0	1.698	EPA TO-15	04/10/2024 12:00	04/10/2024 19:24	YR
Certifications:							NELAC-NY12058,NJDEP-NY037			



Sample Information

Client Sample ID: B-SS-1

York Sample ID: 24D0037-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D0037

NEW6313. RA 350-352 Liberty Street, Newburgh, NY

Soil Vapor

March 29, 2024 10:00 am

04/01/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/m ³	1.2	1.698	EPA TO-15	04/10/2024 12:00	04/10/2024 19:24	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
78-93-3	2-Butanone	3.2		ug/m ³	2.5	1.698	EPA TO-15	04/10/2024 12:00	04/10/2024 19:24	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
591-78-6	* 2-Hexanone	ND		ug/m ³	1.4	1.698	EPA TO-15	04/10/2024 12:00	04/10/2024 19:24	YR
						Certifications:				
107-05-1	3-Chloropropene	ND		ug/m ³	2.7	1.698	EPA TO-15	04/10/2024 12:00	04/10/2024 19:24	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
108-10-1	4-Methyl-2-pentanone	ND	UJ	ug/m ³	0.70	1.698	EPA TO-15	04/10/2024 12:00	04/10/2024 19:24	YR
			TO-LC S-L			Certifications:	NELAC-NY12058,NJDEP-NY037			
67-64-1	Acetone	23	J-	ug/m ³	2.0	1.698	EPA TO-15	04/10/2024 12:00	04/10/2024 19:24	YR
			TO-LC S-L			Certifications:	NELAC-NY12058,NJDEP-NY037			
107-13-1	Acrylonitrile	ND		ug/m ³	0.37	1.698	EPA TO-15	04/10/2024 12:00	04/10/2024 19:24	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
71-43-2	Benzene	0.76		ug/m ³	0.54	1.698	EPA TO-15	04/10/2024 12:00	04/10/2024 19:24	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
100-44-7	Benzyl chloride	ND		ug/m ³	0.88	1.698	EPA TO-15	04/10/2024 12:00	04/10/2024 19:24	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
75-27-4	Bromodichloromethane	ND		ug/m ³	1.1	1.698	EPA TO-15	04/10/2024 12:00	04/10/2024 19:24	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
75-25-2	Bromoform	ND		ug/m ³	1.8	1.698	EPA TO-15	04/10/2024 12:00	04/10/2024 19:24	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
74-83-9	Bromomethane	ND		ug/m ³	0.66	1.698	EPA TO-15	04/10/2024 12:00	04/10/2024 19:24	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
75-15-0	Carbon disulfide	ND		ug/m ³	0.53	1.698	EPA TO-15	04/10/2024 12:00	04/10/2024 19:24	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
56-23-5	Carbon tetrachloride	0.32		ug/m ³	0.27	1.698	EPA TO-15	04/10/2024 12:00	04/10/2024 19:24	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
108-90-7	Chlorobenzene	ND		ug/m ³	0.78	1.698	EPA TO-15	04/10/2024 12:00	04/10/2024 19:24	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
75-00-3	Chloroethane	ND		ug/m ³	0.45	1.698	EPA TO-15	04/10/2024 12:00	04/10/2024 19:24	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
67-66-3	Chloroform	0.91		ug/m ³	0.83	1.698	EPA TO-15	04/10/2024 12:00	04/10/2024 19:24	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
74-87-3	Chloromethane	ND		ug/m ³	0.35	1.698	EPA TO-15	04/10/2024 12:00	04/10/2024 19:24	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.17	1.698	EPA TO-15	04/10/2024 12:00	04/10/2024 19:24	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.77	1.698	EPA TO-15	04/10/2024 12:00	04/10/2024 19:24	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
110-82-7	Cyclohexane	0.64		ug/m ³	0.58	1.698	EPA TO-15	04/10/2024 12:00	04/10/2024 19:24	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
124-48-1	Dibromochloromethane	ND		ug/m ³	1.4	1.698	EPA TO-15	04/10/2024 12:00	04/10/2024 19:24	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
75-71-8	Dichlorodifluoromethane	2.1		ug/m ³	0.84	1.698	EPA TO-15	04/10/2024 12:00	04/10/2024 19:24	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
141-78-6	* Ethyl acetate	ND		ug/m ³	1.2	1.698	EPA TO-15	04/10/2024 12:00	04/10/2024 19:24	YR
						Certifications:				



Sample Information

Client Sample ID: B-SS-1

York Sample ID: 24D0037-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D0037

NEW6313. RA 350-352 Liberty Street, Newburgh, NY

Soil Vapor

March 29, 2024 10:00 am

04/01/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	0.81		ug/m ³	0.74	1.698	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 19:24	YR
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.8	1.698	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 19:24	YR
67-63-0	Isopropanol	320	J	TO-IPA, ug/m ³ E	2.1	1.698	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 19:24	YR
80-62-6	Methyl Methacrylate	1.2		ug/m ³	0.70	1.698	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 19:24	YR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.61	1.698	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 19:24	YR
75-09-2	Methylene chloride	ND		ug/m ³	1.2	1.698	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 19:24	YR
91-20-3	* Naphthalene	ND	UJ	TO-LC S-L, ICVE ug/m ³	1.8	1.698	EPA TO-15 Certifications: NJDEP-NY037	04/10/2024 12:00	04/10/2024 19:24	YR
142-82-5	n-Heptane	2.2		ug/m ³	0.70	1.698	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 19:24	YR
110-54-3	n-Hexane	2.2		ug/m ³	0.60	1.698	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 19:24	YR
95-47-6	o-Xylene	1.1		ug/m ³	0.74	1.698	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 19:24	YR
179601-23-1	p- & m- Xylenes	3.2		ug/m ³	1.5	1.698	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 19:24	YR
622-96-8	* p-Ethyltoluene	ND		ug/m ³	0.83	1.698	EPA TO-15 Certifications:	04/10/2024 12:00	04/10/2024 19:24	YR
115-07-1	* Propylene	ND		ug/m ³	0.29	1.698	EPA TO-15 Certifications:	04/10/2024 12:00	04/10/2024 19:24	YR
100-42-5	Styrene	ND		ug/m ³	0.72	1.698	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 19:24	YR
127-18-4	Tetrachloroethylene	ND		ug/m ³	1.2	1.698	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 19:24	YR
109-99-9	* Tetrahydrofuran	2.9		ug/m ³	1.0	1.698	EPA TO-15 Certifications:	04/10/2024 12:00	04/10/2024 19:24	YR
108-88-3	Toluene	16		ug/m ³	0.64	1.698	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 19:24	YR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.67	1.698	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 19:24	YR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.77	1.698	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 19:24	YR
79-01-6	Trichloroethylene	ND		ug/m ³	0.23	1.698	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 19:24	YR
75-69-4	Trichlorofluoromethane (Freon 11)	1.0		ug/m ³	0.95	1.698	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 19:24	YR
108-05-4	Vinyl acetate	ND		ug/m ³	0.60	1.698	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 19:24	YR
593-60-2	Vinyl bromide	ND		ug/m ³	0.74	1.698	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 19:24	YR



Sample Information

Client Sample ID: B-SS-1

York Sample ID: 24D0037-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D0037

NEW6313. RA 350-352 Liberty Street, Newburgh, NY

Soil Vapor

March 29, 2024 10:00 am

04/01/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m ³	0.22	1.698	EPA TO-15	04/10/2024 12:00	04/10/2024 19:24	YR
							Certifications: NELAC-NY12058,NJDEP-NY037			

Sample Information

Client Sample ID: B-SS-2

York Sample ID: 24D0037-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D0037

NEW6313. RA 350-352 Liberty Street, Newburgh, NY

Soil Vapor

March 29, 2024 10:00 am

04/01/2024

VOA, TO15 Isooctane (2,2,4-TMP) Add On

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
540-84-1	* 2,2,4-Trimethylpentane	ND		ug/m ³	1.53	1.639	EPA TO-15	04/10/2024 12:00	04/10/2024 22:23	YR
							Certifications:			

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	1.1	1.639	EPA TO-15	04/10/2024 12:00	04/10/2024 22:23	YR
							Certifications:			
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.89	1.639	EPA TO-15	04/10/2024 12:00	04/10/2024 22:23	YR
							Certifications: NELAC-NY12058,NJDEP-NY037			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.1	1.639	EPA TO-15	04/10/2024 12:00	04/10/2024 22:23	YR
							Certifications: NELAC-NY12058,NJDEP-NY037			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.3	1.639	EPA TO-15	04/10/2024 12:00	04/10/2024 22:23	YR
							Certifications: NELAC-NY12058,NJDEP-NY037			
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.89	1.639	EPA TO-15	04/10/2024 12:00	04/10/2024 22:23	YR
							Certifications: NELAC-NY12058,NJDEP-NY037			
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.66	1.639	EPA TO-15	04/10/2024 12:00	04/10/2024 22:23	YR
							Certifications: NELAC-NY12058,NJDEP-NY037			
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.16	1.639	EPA TO-15	04/10/2024 12:00	04/10/2024 22:23	YR
							Certifications: NELAC-NY12058,NJDEP-NY037			
120-82-1	1,2,4-Trichlorobenzene	1.2		ug/m ³	1.2	1.639	EPA TO-15	04/10/2024 12:00	04/10/2024 22:23	YR
							Certifications: NELAC-NY12058,NJDEP-NY037			
95-63-6	1,2,4-Trimethylbenzene	1.3		ug/m ³	0.81	1.639	EPA TO-15	04/10/2024 12:00	04/10/2024 22:23	YR
							Certifications: NELAC-NY12058,NJDEP-NY037			
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.3	1.639	EPA TO-15	04/10/2024 12:00	04/10/2024 22:23	YR
							Certifications: NELAC-NY12058,NJDEP-NY037			
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.99	1.639	EPA TO-15	04/10/2024 12:00	04/10/2024 22:23	YR
							Certifications: NELAC-NY12058,NJDEP-NY037			
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.66	1.639	EPA TO-15	04/10/2024 12:00	04/10/2024 22:23	YR
							Certifications: NELAC-NY12058,NJDEP-NY037			



Sample Information

Client Sample ID: B-SS-2

York Sample ID: 24D0037-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D0037

NEW6313. RA 350-352 Liberty Street, Newburgh, NY

Soil Vapor

March 29, 2024 10:00 am

04/01/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.76	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.1	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.81	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
106-99-0	1,3-Butadiene	ND		ug/m ³	1.1	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.99	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.76	1.639	EPA TO-15 Certifications:	04/10/2024 12:00	04/10/2024 22:23	YR
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.99	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
123-91-1	1,4-Dioxane	ND		ug/m ³	1.2	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
78-93-3	2-Butanone	4.8		ug/m ³	0.48	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
591-78-6	* 2-Hexanone	1.5		ug/m ³	1.3	1.639	EPA TO-15 Certifications:	04/10/2024 12:00	04/10/2024 22:23	YR
107-05-1	3-Chloropropene	ND		ug/m ³	2.6	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.67	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
67-64-1	Acetone	49		ug/m ³	0.78	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
107-13-1	Acrylonitrile	ND		ug/m ³	0.36	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
71-43-2	Benzene	0.99		ug/m ³	0.52	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
100-44-7	Benzyl chloride	ND		ug/m ³	0.85	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
75-27-4	Bromodichloromethane	ND		ug/m ³	1.1	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
75-25-2	Bromoform	ND		ug/m ³	1.7	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
74-83-9	Bromomethane	ND		ug/m ³	0.64	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
75-15-0	Carbon disulfide	ND		ug/m ³	0.51	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
56-23-5	Carbon tetrachloride	0.31		ug/m ³	0.26	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
108-90-7	Chlorobenzene	ND		ug/m ³	0.75	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
75-00-3	Chloroethane	ND		ug/m ³	0.43	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
67-66-3	Chloroform	5.0		ug/m ³	0.80	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR



Sample Information

Client Sample ID: B-SS-2

York Sample ID: 24D0037-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D0037

NEW6313. RA 350-352 Liberty Street, Newburgh, NY

Soil Vapor

March 29, 2024 10:00 am

04/01/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-87-3	Chloromethane	ND		ug/m ³	0.34	1.639	EPA TO-15	04/10/2024 12:00	04/10/2024 22:23	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.16	1.639	EPA TO-15	04/10/2024 12:00	04/10/2024 22:23	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.74	1.639	EPA TO-15	04/10/2024 12:00	04/10/2024 22:23	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
110-82-7	Cyclohexane	ND		ug/m ³	0.56	1.639	EPA TO-15	04/10/2024 12:00	04/10/2024 22:23	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
124-48-1	Dibromochloromethane	ND		ug/m ³	1.4	1.639	EPA TO-15	04/10/2024 12:00	04/10/2024 22:23	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
75-71-8	Dichlorodifluoromethane	2.5		ug/m ³	0.81	1.639	EPA TO-15	04/10/2024 12:00	04/10/2024 22:23	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
141-78-6	* Ethyl acetate	ND		ug/m ³	1.2	1.639	EPA TO-15	04/10/2024 12:00	04/10/2024 22:23	YR
						Certifications:				
100-41-4	Ethyl Benzene	0.93		ug/m ³	0.71	1.639	EPA TO-15	04/10/2024 12:00	04/10/2024 22:23	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.7	1.639	EPA TO-15	04/10/2024 12:00	04/10/2024 22:23	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
67-63-0	Isopropanol	320	J TO-IPA, E	ug/m ³	0.81	1.639	EPA TO-15	04/10/2024 12:00	04/10/2024 22:23	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.67	1.639	EPA TO-15	04/10/2024 12:00	04/10/2024 22:23	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.59	1.639	EPA TO-15	04/10/2024 12:00	04/10/2024 22:23	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
75-09-2	Methylene chloride	ND		ug/m ³	1.1	1.639	EPA TO-15	04/10/2024 12:00	04/10/2024 22:23	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
91-20-3	* Naphthalene	1.8		ug/m ³	1.7	1.639	EPA TO-15	04/10/2024 12:00	04/10/2024 22:23	YR
						Certifications:	NJDEP-NY037			
142-82-5	n-Heptane	1.0		ug/m ³	0.67	1.639	EPA TO-15	04/10/2024 12:00	04/10/2024 22:23	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
110-54-3	n-Hexane	ND		ug/m ³	0.58	1.639	EPA TO-15	04/10/2024 12:00	04/10/2024 22:23	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
95-47-6	o-Xylene	1.3		ug/m ³	0.71	1.639	EPA TO-15	04/10/2024 12:00	04/10/2024 22:23	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
179601-23-1	p- & m- Xylenes	3.5		ug/m ³	1.4	1.639	EPA TO-15	04/10/2024 12:00	04/10/2024 22:23	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
622-96-8	* p-Ethyltoluene	ND		ug/m ³	0.81	1.639	EPA TO-15	04/10/2024 12:00	04/10/2024 22:23	YR
						Certifications:				
115-07-1	* Propylene	3.6		ug/m ³	0.28	1.639	EPA TO-15	04/10/2024 12:00	04/10/2024 22:23	YR
						Certifications:				
100-42-5	Styrene	ND		ug/m ³	0.70	1.639	EPA TO-15	04/10/2024 12:00	04/10/2024 22:23	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
127-18-4	Tetrachloroethylene	1.4		ug/m ³	1.1	1.639	EPA TO-15	04/10/2024 12:00	04/10/2024 22:23	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
109-99-9	* Tetrahydrofuran	2.4		ug/m ³	0.97	1.639	EPA TO-15	04/10/2024 12:00	04/10/2024 22:23	YR
						Certifications:				
108-88-3	Toluene	9.1		ug/m ³	0.62	1.639	EPA TO-15	04/10/2024 12:00	04/10/2024 22:23	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			



Sample Information

Client Sample ID: B-SS-2

York Sample ID: 24D0037-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D0037

NEW6313. RA 350-352 Liberty Street, Newburgh, NY

Soil Vapor

March 29, 2024 10:00 am

04/01/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.65	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.74	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
79-01-6	Trichloroethylene	0.70	J	ug/m ³	0.22	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
75-69-4	Trichlorofluoromethane (Freon 11)	1.3		ug/m ³	0.92	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
108-05-4	Vinyl acetate	ND		ug/m ³	0.58	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
593-60-2	Vinyl bromide	ND		ug/m ³	0.72	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR
75-01-4	Vinyl Chloride	ND		ug/m ³	0.21	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/10/2024 22:23	YR

Sample Information

Client Sample ID: B-IA-1

York Sample ID: 24D0037-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D0037

NEW6313. RA 350-352 Liberty Street, Newburgh, NY

Indoor Ambient Air

March 29, 2024 10:00 am

04/01/2024

VOA, TO15 Isooctane (2,2,4-TMP) Add On

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
540-84-1	* 2,2,4-Trimethylpentane	ND		ug/m ³	0.669	0.716	EPA TO-15 Certifications:	04/10/2024 12:00	04/11/2024 00:36	YR

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	0.49	0.716	EPA TO-15 Certifications:	04/10/2024 12:00	04/11/2024 00:36	YR
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.39	0.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 00:36	YR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.49	0.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 00:36	YR
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.55	J	ug/m ³	0.55	0.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 00:36	YR
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.39	0.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 00:36	YR
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.29	0.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 00:36	YR



Sample Information

Client Sample ID: B-IA-1

York Sample ID: 24D0037-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D0037

NEW6313. RA 350-352 Liberty Street, Newburgh, NY

Indoor Ambient Air

March 29, 2024 10:00 am

04/01/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.071	0.716	EPA TO-15	04/10/2024 12:00	04/11/2024 00:36	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	0.53	0.716	EPA TO-15	04/10/2024 12:00	04/11/2024 00:36	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
95-63-6	1,2,4-Trimethylbenzene	0.99	J	ug/m ³	0.35	0.716	EPA TO-15	04/10/2024 12:00	04/11/2024 00:36	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
106-93-4	1,2-Dibromoethane	ND		ug/m ³	0.55	0.716	EPA TO-15	04/10/2024 12:00	04/11/2024 00:36	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.43	0.716	EPA TO-15	04/10/2024 12:00	04/11/2024 00:36	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
107-06-2	1,2-Dichloroethane	0.38	J	ug/m ³	0.29	0.716	EPA TO-15	04/10/2024 12:00	04/11/2024 00:36	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.33	0.716	EPA TO-15	04/10/2024 12:00	04/11/2024 00:36	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.50	0.716	EPA TO-15	04/10/2024 12:00	04/11/2024 00:36	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.35	0.716	EPA TO-15	04/10/2024 12:00	04/11/2024 00:36	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
106-99-0	1,3-Butadiene	ND		ug/m ³	0.48	0.716	EPA TO-15	04/10/2024 12:00	04/11/2024 00:36	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.43	0.716	EPA TO-15	04/10/2024 12:00	04/11/2024 00:36	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.33	0.716	EPA TO-15	04/10/2024 12:00	04/11/2024 00:36	YR
						Certifications:				
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.43	0.716	EPA TO-15	04/10/2024 12:00	04/11/2024 00:36	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
123-91-1	1,4-Dioxane	ND		ug/m ³	0.52	0.716	EPA TO-15	04/10/2024 12:00	04/11/2024 00:36	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
78-93-3	2-Butanone	22	J	ug/m ³	0.21	0.716	EPA TO-15	04/10/2024 12:00	04/11/2024 00:36	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
591-78-6	* 2-Hexanone	0.82	J	ug/m ³	0.59	0.716	EPA TO-15	04/10/2024 12:00	04/11/2024 00:36	YR
						Certifications:				
107-05-1	3-Chloropropene	ND		ug/m ³	1.1	0.716	EPA TO-15	04/10/2024 12:00	04/11/2024 00:36	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
108-10-1	4-Methyl-2-pentanone	0.35	J	ug/m ³	0.29	0.716	EPA TO-15	04/10/2024 12:00	04/11/2024 00:36	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
67-64-1	Acetone	91	J	ug/m ³	2.6	5.376	EPA TO-15	04/10/2024 12:00	04/11/2024 01:34	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
107-13-1	Acrylonitrile	ND		ug/m ³	0.16	0.716	EPA TO-15	04/10/2024 12:00	04/11/2024 00:36	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
71-43-2	Benzene	0.94	J	ug/m ³	0.23	0.716	EPA TO-15	04/10/2024 12:00	04/11/2024 00:36	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
100-44-7	Benzyl chloride	ND		ug/m ³	0.37	0.716	EPA TO-15	04/10/2024 12:00	04/11/2024 00:36	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
75-27-4	Bromodichloromethane	ND		ug/m ³	0.48	0.716	EPA TO-15	04/10/2024 12:00	04/11/2024 00:36	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
75-25-2	Bromoform	ND		ug/m ³	0.74	0.716	EPA TO-15	04/10/2024 12:00	04/11/2024 00:36	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			



Sample Information

Client Sample ID: B-IA-1

York Sample ID: 24D0037-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D0037

NEW6313. RA 350-352 Liberty Street, Newburgh, NY

Indoor Ambient Air

March 29, 2024 10:00 am

04/01/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-83-9	Bromomethane	ND		ug/m ³	0.28	0.716	EPA TO-15	04/10/2024 12:00	04/11/2024 00:36	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
75-15-0	Carbon disulfide	ND		ug/m ³	0.22	0.716	EPA TO-15	04/10/2024 12:00	04/11/2024 00:36	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
56-23-5	Carbon tetrachloride	0.41	J	ug/m ³	0.11	0.716	EPA TO-15	04/10/2024 12:00	04/11/2024 00:36	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
108-90-7	Chlorobenzene	ND		ug/m ³	0.33	0.716	EPA TO-15	04/10/2024 12:00	04/11/2024 00:36	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
75-00-3	Chloroethane	ND		ug/m ³	0.19	0.716	EPA TO-15	04/10/2024 12:00	04/11/2024 00:36	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
67-66-3	Chloroform	3.0	J	ug/m ³	0.35	0.716	EPA TO-15	04/10/2024 12:00	04/11/2024 00:36	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
74-87-3	Chloromethane	1.6	J	ug/m ³	0.15	0.716	EPA TO-15	04/10/2024 12:00	04/11/2024 00:36	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
156-59-2	cis-1,2-Dichloroethylene	0.20	J	ug/m ³	0.071	0.716	EPA TO-15	04/10/2024 12:00	04/11/2024 00:36	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.32	0.716	EPA TO-15	04/10/2024 12:00	04/11/2024 00:36	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
110-82-7	Cyclohexane	ND		ug/m ³	0.25	0.716	EPA TO-15	04/10/2024 12:00	04/11/2024 00:36	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
124-48-1	Dibromochloromethane	ND		ug/m ³	0.61	0.716	EPA TO-15	04/10/2024 12:00	04/11/2024 00:36	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
75-71-8	Dichlorodifluoromethane	2.4	J	ug/m ³	0.35	0.716	EPA TO-15	04/10/2024 12:00	04/11/2024 00:36	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
141-78-6	* Ethyl acetate	2.2	J	ug/m ³	0.52	0.716	EPA TO-15	04/10/2024 12:00	04/11/2024 00:36	YR
						Certifications:				
100-41-4	Ethyl Benzene	0.87	J	ug/m ³	0.31	0.716	EPA TO-15	04/10/2024 12:00	04/11/2024 00:36	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
87-68-3	Hexachlorobutadiene	ND		ug/m ³	0.76	0.716	EPA TO-15	04/10/2024 12:00	04/11/2024 00:36	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
67-63-0	Isopropanol	190	J	ug/m ³	2.6	5.376	EPA TO-15	04/10/2024 12:00	04/11/2024 01:34	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
80-62-6	Methyl Methacrylate	0.29	J	ug/m ³	0.29	0.716	EPA TO-15	04/10/2024 12:00	04/11/2024 00:36	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.26	0.716	EPA TO-15	04/10/2024 12:00	04/11/2024 00:36	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
75-09-2	Methylene chloride	ND		ug/m ³	0.50	0.716	EPA TO-15	04/10/2024 12:00	04/11/2024 00:36	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
91-20-3	* Naphthalene	ND		ug/m ³	0.75	0.716	EPA TO-15	04/10/2024 12:00	04/11/2024 00:36	YR
						Certifications:	NJDEP-NY037			
142-82-5	n-Heptane	0.56	J	ug/m ³	0.29	0.716	EPA TO-15	04/10/2024 12:00	04/11/2024 00:36	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
110-54-3	n-Hexane	ND		ug/m ³	0.25	0.716	EPA TO-15	04/10/2024 12:00	04/11/2024 00:36	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
95-47-6	o-Xylene	1.1	J	ug/m ³	0.31	0.716	EPA TO-15	04/10/2024 12:00	04/11/2024 00:36	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
179601-23-1	p- & m- Xylenes	3.0	J	ug/m ³	0.62	0.716	EPA TO-15	04/10/2024 12:00	04/11/2024 00:36	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			



Sample Information

<u>Client Sample ID:</u>	B-IA-1			<u>York Sample ID:</u>	24D0037-03		
<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>			
24D0037	NEW6313. RA 350-352 Liberty Street, Newburgh, NY	Indoor Ambient Air	March 29, 2024 10:00 am	04/01/2024			

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
622-96-8	* p-Ethyltoluene	0.46	J	ug/m³	0.35	0.716	EPA TO-15	04/10/2024 12:00	04/11/2024 00:36	YR
						Certifications:				
115-07-1	* Propylene	4.5	J	ug/m³	0.12	0.716	EPA TO-15	04/10/2024 12:00	04/11/2024 00:36	YR
						Certifications:				
100-42-5	Styrene	0.30	J	ug/m³	0.30	0.716	EPA TO-15	04/10/2024 12:00	04/11/2024 00:36	YR
						Certifications: NELAC-NY12058,NJDEP-NY037				
127-18-4	Tetrachloroethylene	0.87	J	ug/m³	0.49	0.716	EPA TO-15	04/10/2024 12:00	04/11/2024 00:36	YR
						Certifications: NELAC-NY12058,NJDEP-NY037				
109-99-9	* Tetrahydrofuran	16	J	ug/m³	0.42	0.716	EPA TO-15	04/10/2024 12:00	04/11/2024 00:36	YR
						Certifications:				
108-88-3	Toluene	2.5	J	ug/m³	0.27	0.716	EPA TO-15	04/10/2024 12:00	04/11/2024 00:36	YR
						Certifications: NELAC-NY12058,NJDEP-NY037				
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.28	0.716	EPA TO-15	04/10/2024 12:00	04/11/2024 00:36	YR
						Certifications: NELAC-NY12058,NJDEP-NY037				
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.32	0.716	EPA TO-15	04/10/2024 12:00	04/11/2024 00:36	YR
						Certifications: NELAC-NY12058,NJDEP-NY037				
79-01-6	Trichloroethylene	0.19	J	ug/m³	0.096	0.716	EPA TO-15	04/10/2024 12:00	04/11/2024 00:36	YR
						Certifications: NELAC-NY12058,NJDEP-NY037				
75-69-4	Trichlorofluoromethane (Freon 11)	1.2	J	ug/m³	0.40	0.716	EPA TO-15	04/10/2024 12:00	04/11/2024 00:36	YR
						Certifications: NELAC-NY12058,NJDEP-NY037				
108-05-4	Vinyl acetate	ND		ug/m³	0.25	0.716	EPA TO-15	04/10/2024 12:00	04/11/2024 00:36	YR
						Certifications: NELAC-NY12058,NJDEP-NY037				
593-60-2	Vinyl bromide	ND		ug/m³	0.31	0.716	EPA TO-15	04/10/2024 12:00	04/11/2024 00:36	YR
						Certifications: NELAC-NY12058,NJDEP-NY037				
75-01-4	Vinyl Chloride	ND		ug/m³	0.092	0.716	EPA TO-15	04/10/2024 12:00	04/11/2024 00:36	YR
						Certifications: NELAC-NY12058,NJDEP-NY037				

Sample Information

<u>Client Sample ID:</u>	B-IA-1-DUP			<u>York Sample ID:</u>	24D0037-04		
<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>			
24D0037	NEW6313. RA 350-352 Liberty Street, Newburgh, NY	Indoor Ambient Air	March 29, 2024 10:00 am	04/01/2024			

VOA, TO15 Isooctane (2,2,4-TMP) Add On

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
540-84-1	* 2,2,4-Trimethylpentane	ND		ug/m³	0.805	0.861	EPA TO-15	04/10/2024 12:00	04/11/2024 02:43	YR
						Certifications:				

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst



Sample Information

Client Sample ID: B-IA-1-DUP

York Sample ID: 24D0037-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D0037

NEW6313. RA 350-352 Liberty Street, Newburgh, NY

Indoor Ambient Air

March 29, 2024 10:00 am

04/01/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	0.59	0.861	EPA TO-15	04/10/2024 12:00	04/11/2024 02:43	YR
						Certifications:				
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.47	0.861	EPA TO-15	04/10/2024 12:00	04/11/2024 02:43	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.59	0.861	EPA TO-15	04/10/2024 12:00	04/11/2024 02:43	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	0.66	0.861	EPA TO-15	04/10/2024 12:00	04/11/2024 02:43	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.47	0.861	EPA TO-15	04/10/2024 12:00	04/11/2024 02:43	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.35	0.861	EPA TO-15	04/10/2024 12:00	04/11/2024 02:43	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.085	0.861	EPA TO-15	04/10/2024 12:00	04/11/2024 02:43	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	0.64	0.861	EPA TO-15	04/10/2024 12:00	04/11/2024 02:43	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
95-63-6	1,2,4-Trimethylbenzene	1.4	J	ug/m ³	0.42	0.861	EPA TO-15	04/10/2024 12:00	04/11/2024 02:43	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
106-93-4	1,2-Dibromoethane	ND		ug/m ³	0.66	0.861	EPA TO-15	04/10/2024 12:00	04/11/2024 02:43	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.52	0.861	EPA TO-15	04/10/2024 12:00	04/11/2024 02:43	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
107-06-2	1,2-Dichloroethane	0.35		ug/m ³	0.35	0.861	EPA TO-15	04/10/2024 12:00	04/11/2024 02:43	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.40	0.861	EPA TO-15	04/10/2024 12:00	04/11/2024 02:43	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.60	0.861	EPA TO-15	04/10/2024 12:00	04/11/2024 02:43	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.42	0.861	EPA TO-15	04/10/2024 12:00	04/11/2024 02:43	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
106-99-0	1,3-Butadiene	ND		ug/m ³	0.57	0.861	EPA TO-15	04/10/2024 12:00	04/11/2024 02:43	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.52	0.861	EPA TO-15	04/10/2024 12:00	04/11/2024 02:43	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.40	0.861	EPA TO-15	04/10/2024 12:00	04/11/2024 02:43	YR
						Certifications:				
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.52	0.861	EPA TO-15	04/10/2024 12:00	04/11/2024 02:43	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
123-91-1	1,4-Dioxane	ND		ug/m ³	0.62	0.861	EPA TO-15	04/10/2024 12:00	04/11/2024 02:43	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
78-93-3	2-Butanone	22		ug/m ³	0.25	0.861	EPA TO-15	04/10/2024 12:00	04/11/2024 02:43	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
591-78-6	* 2-Hexanone	0.74		ug/m ³	0.71	0.861	EPA TO-15	04/10/2024 12:00	04/11/2024 02:43	YR
						Certifications:				
107-05-1	3-Chloropropene	ND		ug/m ³	1.3	0.861	EPA TO-15	04/10/2024 12:00	04/11/2024 02:43	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
108-10-1	4-Methyl-2-pentanone	0.39		ug/m ³	0.35	0.861	EPA TO-15	04/10/2024 12:00	04/11/2024 02:43	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			



Sample Information

<u>Client Sample ID:</u> B-IA-1-DUP			<u>York Sample ID:</u> 24D0037-04	
<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
24D0037	NEW6313. RA 350-352 Liberty Street, Newburgh, NY	Indoor Ambient Air	March 29, 2024 10:00 am	04/01/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	81		ug/m³	0.41	0.861	EPA TO-15	04/10/2024 12:00	04/11/2024 02:43	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
107-13-1	Acrylonitrile	ND		ug/m³	0.19	0.861	EPA TO-15	04/10/2024 12:00	04/11/2024 02:43	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
71-43-2	Benzene	0.88		ug/m³	0.28	0.861	EPA TO-15	04/10/2024 12:00	04/11/2024 02:43	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
100-44-7	Benzyl chloride	ND		ug/m³	0.45	0.861	EPA TO-15	04/10/2024 12:00	04/11/2024 02:43	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
75-27-4	Bromodichloromethane	ND		ug/m³	0.58	0.861	EPA TO-15	04/10/2024 12:00	04/11/2024 02:43	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
75-25-2	Bromoform	ND		ug/m³	0.89	0.861	EPA TO-15	04/10/2024 12:00	04/11/2024 02:43	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
74-83-9	Bromomethane	ND		ug/m³	0.33	0.861	EPA TO-15	04/10/2024 12:00	04/11/2024 02:43	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
75-15-0	Carbon disulfide	ND		ug/m³	0.27	0.861	EPA TO-15	04/10/2024 12:00	04/11/2024 02:43	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
56-23-5	Carbon tetrachloride	0.38		ug/m³	0.14	0.861	EPA TO-15	04/10/2024 12:00	04/11/2024 02:43	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
108-90-7	Chlorobenzene	ND		ug/m³	0.40	0.861	EPA TO-15	04/10/2024 12:00	04/11/2024 02:43	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
75-00-3	Chloroethane	ND		ug/m³	0.23	0.861	EPA TO-15	04/10/2024 12:00	04/11/2024 02:43	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
67-66-3	Chloroform	3.1		ug/m³	0.42	0.861	EPA TO-15	04/10/2024 12:00	04/11/2024 02:43	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
74-87-3	Chloromethane	1.5		ug/m³	0.18	0.861	EPA TO-15	04/10/2024 12:00	04/11/2024 02:43	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.085	0.861	EPA TO-15	04/10/2024 12:00	04/11/2024 02:43	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.39	0.861	EPA TO-15	04/10/2024 12:00	04/11/2024 02:43	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
110-82-7	Cyclohexane	ND		ug/m³	0.30	0.861	EPA TO-15	04/10/2024 12:00	04/11/2024 02:43	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
124-48-1	Dibromochloromethane	ND		ug/m³	0.73	0.861	EPA TO-15	04/10/2024 12:00	04/11/2024 02:43	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
75-71-8	Dichlorodifluoromethane	2.3		ug/m³	0.43	0.861	EPA TO-15	04/10/2024 12:00	04/11/2024 02:43	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
141-78-6	* Ethyl acetate	2.6		ug/m³	0.62	0.861	EPA TO-15	04/10/2024 12:00	04/11/2024 02:43	YR
						Certifications:				
100-41-4	Ethyl Benzene	0.97		ug/m³	0.37	0.861	EPA TO-15	04/10/2024 12:00	04/11/2024 02:43	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
87-68-3	Hexachlorobutadiene	ND		ug/m³	0.92	0.861	EPA TO-15	04/10/2024 12:00	04/11/2024 02:43	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
67-63-0	Isopropanol	190	J	TO-IPA, ug/m³ E	0.42	0.861	EPA TO-15	04/10/2024 12:00	04/11/2024 02:43	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
80-62-6	Methyl Methacrylate	ND		ug/m³	0.35	0.861	EPA TO-15	04/10/2024 12:00	04/11/2024 02:43	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.31	0.861	EPA TO-15	04/10/2024 12:00	04/11/2024 02:43	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			



Sample Information

Client Sample ID: B-IA-1-DUP

York Sample ID: 24D0037-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D0037

NEW6313. RA 350-352 Liberty Street, Newburgh, NY

Indoor Ambient Air

March 29, 2024 10:00 am

04/01/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-09-2	Methylene chloride	ND		ug/m ³	0.60	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
91-20-3	* Naphthalene	ND		ug/m ³	0.90	0.861	EPA TO-15 Certifications: NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
142-82-5	n-Heptane	0.53		ug/m ³	0.35	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
110-54-3	n-Hexane	ND		ug/m ³	0.30	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
95-47-6	o-Xylene	1.4		ug/m ³	0.37	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
179601-23-1	p- & m- Xylenes	4.1	J	ug/m ³	0.75	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
622-96-8	* p-Ethyltoluene	0.89	J	ug/m ³	0.42	0.861	EPA TO-15 Certifications:	04/10/2024 12:00	04/11/2024 02:43	YR
115-07-1	* Propylene	ND		ug/m ³	0.15	0.861	EPA TO-15 Certifications:	04/10/2024 12:00	04/11/2024 02:43	YR
100-42-5	Styrene	0.84	J	ug/m ³	0.37	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
127-18-4	Tetrachloroethylene	0.99		ug/m ³	0.58	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
109-99-9	* Tetrahydrofuran	17		ug/m ³	0.51	0.861	EPA TO-15 Certifications:	04/10/2024 12:00	04/11/2024 02:43	YR
108-88-3	Toluene	3.2		ug/m ³	0.32	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.34	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.39	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
79-01-6	Trichloroethylene	0.19	J	ug/m ³	0.12	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
75-69-4	Trichlorofluoromethane (Freon 11)	1.3		ug/m ³	0.48	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
108-05-4	Vinyl acetate	ND		ug/m ³	0.30	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
593-60-2	Vinyl bromide	ND		ug/m ³	0.38	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR
75-01-4	Vinyl Chloride	ND		ug/m ³	0.11	0.861	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 02:43	YR

Sample Information

Client Sample ID: B-IA-2

York Sample ID: 24D0037-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D0037

NEW6313. RA 350-352 Liberty Street, Newburgh, NY

Indoor Ambient Air

March 29, 2024 10:00 am

04/01/2024



Sample Information

Client Sample ID: B-IA-2

York Sample ID: 24D0037-05

York Project (SDG) No.

Client Project ID

Matrix

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24D0037

NEW6313. RA 350-352 Liberty Street, Newburgh, NY

Indoor Ambient Air

March 29, 2024 10:00 am

04/01/2024

VOA, TO15 Isooctane (2,2,4-TMP) Add On

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOO	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
540-84-1	* 2,2,4-Trimethylpentane	ND		ug/m ³	0.818	0.875	EPA TO-15	04/10/2024 12:00	04/11/2024 03:53	YR
Certifications:										

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOO	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	0.60	0.875	EPA TO-15	04/10/2024 12:00	04/11/2024 03:53	YR
Certifications:										
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.48	0.875	EPA TO-15	04/10/2024 12:00	04/11/2024 03:53	YR
Certifications: NELAC-NY12058,NJDEP-NY037										
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.60	0.875	EPA TO-15	04/10/2024 12:00	04/11/2024 03:53	YR
Certifications: NELAC-NY12058,NJDEP-NY037										
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	0.67	0.875	EPA TO-15	04/10/2024 12:00	04/11/2024 03:53	YR
Certifications: NELAC-NY12058,NJDEP-NY037										
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.48	0.875	EPA TO-15	04/10/2024 12:00	04/11/2024 03:53	YR
Certifications: NELAC-NY12058,NJDEP-NY037										
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.35	0.875	EPA TO-15	04/10/2024 12:00	04/11/2024 03:53	YR
Certifications: NELAC-NY12058,NJDEP-NY037										
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.087	0.875	EPA TO-15	04/10/2024 12:00	04/11/2024 03:53	YR
Certifications: NELAC-NY12058,NJDEP-NY037										
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	0.65	0.875	EPA TO-15	04/10/2024 12:00	04/11/2024 03:53	YR
Certifications: NELAC-NY12058,NJDEP-NY037										
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	0.43	0.875	EPA TO-15	04/10/2024 12:00	04/11/2024 03:53	YR
Certifications: NELAC-NY12058,NJDEP-NY037										
106-93-4	1,2-Dibromoethane	ND		ug/m ³	0.67	0.875	EPA TO-15	04/10/2024 12:00	04/11/2024 03:53	YR
Certifications: NELAC-NY12058,NJDEP-NY037										
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.53	0.875	EPA TO-15	04/10/2024 12:00	04/11/2024 03:53	YR
Certifications: NELAC-NY12058,NJDEP-NY037										
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.35	0.875	EPA TO-15	04/10/2024 12:00	04/11/2024 03:53	YR
Certifications: NELAC-NY12058,NJDEP-NY037										
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.40	0.875	EPA TO-15	04/10/2024 12:00	04/11/2024 03:53	YR
Certifications: NELAC-NY12058,NJDEP-NY037										
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.61	0.875	EPA TO-15	04/10/2024 12:00	04/11/2024 03:53	YR
Certifications: NELAC-NY12058,NJDEP-NY037										
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.43	0.875	EPA TO-15	04/10/2024 12:00	04/11/2024 03:53	YR
Certifications: NELAC-NY12058,NJDEP-NY037										
106-99-0	1,3-Butadiene	ND		ug/m ³	0.58	0.875	EPA TO-15	04/10/2024 12:00	04/11/2024 03:53	YR
Certifications: NELAC-NY12058,NJDEP-NY037										
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.53	0.875	EPA TO-15	04/10/2024 12:00	04/11/2024 03:53	YR
Certifications: NELAC-NY12058,NJDEP-NY037										
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.40	0.875	EPA TO-15	04/10/2024 12:00	04/11/2024 03:53	YR
Certifications:										
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.53	0.875	EPA TO-15	04/10/2024 12:00	04/11/2024 03:53	YR
Certifications: NELAC-NY12058,NJDEP-NY037										
123-91-1	1,4-Dioxane	ND		ug/m ³	0.63	0.875	EPA TO-15	04/10/2024 12:00	04/11/2024 03:53	YR
Certifications: NELAC-NY12058,NJDEP-NY037										
78-93-3	2-Butanone	2.2		ug/m ³	0.26	0.875	EPA TO-15	04/10/2024 12:00	04/11/2024 03:53	YR
Certifications: NELAC-NY12058,NJDEP-NY037										



Sample Information

Client Sample ID: B-IA-2

York Sample ID: 24D0037-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D0037

NEW6313. RA 350-352 Liberty Street, Newburgh, NY

Indoor Ambient Air

March 29, 2024 10:00 am

04/01/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	* 2-Hexanone	ND		ug/m ³	0.72	0.875	EPA TO-15	04/10/2024 12:00	04/11/2024 03:53	YR
						Certifications:				
107-05-1	3-Chloropropene	ND		ug/m ³	1.4	0.875	EPA TO-15	04/10/2024 12:00	04/11/2024 03:53	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.36	0.875	EPA TO-15	04/10/2024 12:00	04/11/2024 03:53	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
67-64-1	Acetone	14		ug/m ³	0.42	0.875	EPA TO-15	04/10/2024 12:00	04/11/2024 03:53	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
107-13-1	Acrylonitrile	ND		ug/m ³	0.19	0.875	EPA TO-15	04/10/2024 12:00	04/11/2024 03:53	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
71-43-2	Benzene	1.7		ug/m ³	0.28	0.875	EPA TO-15	04/10/2024 12:00	04/11/2024 03:53	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
100-44-7	Benzyl chloride	ND		ug/m ³	0.45	0.875	EPA TO-15	04/10/2024 12:00	04/11/2024 03:53	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
75-27-4	Bromodichloromethane	ND		ug/m ³	0.59	0.875	EPA TO-15	04/10/2024 12:00	04/11/2024 03:53	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
75-25-2	Bromoform	ND		ug/m ³	0.90	0.875	EPA TO-15	04/10/2024 12:00	04/11/2024 03:53	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
74-83-9	Bromomethane	ND		ug/m ³	0.34	0.875	EPA TO-15	04/10/2024 12:00	04/11/2024 03:53	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
75-15-0	Carbon disulfide	ND		ug/m ³	0.27	0.875	EPA TO-15	04/10/2024 12:00	04/11/2024 03:53	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
56-23-5	Carbon tetrachloride	0.44		ug/m ³	0.14	0.875	EPA TO-15	04/10/2024 12:00	04/11/2024 03:53	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
108-90-7	Chlorobenzene	ND		ug/m ³	0.40	0.875	EPA TO-15	04/10/2024 12:00	04/11/2024 03:53	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
75-00-3	Chloroethane	ND		ug/m ³	0.23	0.875	EPA TO-15	04/10/2024 12:00	04/11/2024 03:53	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
67-66-3	Chloroform	0.47		ug/m ³	0.43	0.875	EPA TO-15	04/10/2024 12:00	04/11/2024 03:53	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
74-87-3	Chloromethane	1.7		ug/m ³	0.18	0.875	EPA TO-15	04/10/2024 12:00	04/11/2024 03:53	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
156-59-2	cis-1,2-Dichloroethylene	0.17	J	ug/m ³	0.087	0.875	EPA TO-15	04/10/2024 12:00	04/11/2024 03:53	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.40	0.875	EPA TO-15	04/10/2024 12:00	04/11/2024 03:53	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
110-82-7	Cyclohexane	ND		ug/m ³	0.30	0.875	EPA TO-15	04/10/2024 12:00	04/11/2024 03:53	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
124-48-1	Dibromochloromethane	ND		ug/m ³	0.75	0.875	EPA TO-15	04/10/2024 12:00	04/11/2024 03:53	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
75-71-8	Dichlorodifluoromethane	2.6		ug/m ³	0.43	0.875	EPA TO-15	04/10/2024 12:00	04/11/2024 03:53	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
141-78-6	* Ethyl acetate	ND		ug/m ³	0.63	0.875	EPA TO-15	04/10/2024 12:00	04/11/2024 03:53	YR
						Certifications:				
100-41-4	Ethyl Benzene	ND		ug/m ³	0.38	0.875	EPA TO-15	04/10/2024 12:00	04/11/2024 03:53	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
87-68-3	Hexachlorobutadiene	ND		ug/m ³	0.93	0.875	EPA TO-15	04/10/2024 12:00	04/11/2024 03:53	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			



Sample Information

Client Sample ID: B-IA-2

York Sample ID: 24D0037-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D0037

NEW6313. RA 350-352 Liberty Street, Newburgh, NY

Indoor Ambient Air

March 29, 2024 10:00 am

04/01/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-63-0	Isopropanol	70	J	ug/m ³	0.43	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.36	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.32	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
75-09-2	Methylene chloride	ND		ug/m ³	0.61	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
91-20-3	* Naphthalene	ND		ug/m ³	0.92	0.875	EPA TO-15 Certifications: NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
142-82-5	n-Heptane	ND		ug/m ³	0.36	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
110-54-3	n-Hexane	ND		ug/m ³	0.31	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
95-47-6	o-Xylene	ND		ug/m ³	0.38	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
179601-23-1	p- & m- Xylenes	ND		ug/m ³	0.76	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
622-96-8	* p-Ethyltoluene	ND		ug/m ³	0.43	0.875	EPA TO-15 Certifications:	04/10/2024 12:00	04/11/2024 03:53	YR
115-07-1	* Propylene	ND		ug/m ³	0.15	0.875	EPA TO-15 Certifications:	04/10/2024 12:00	04/11/2024 03:53	YR
100-42-5	Styrene	ND		ug/m ³	0.37	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
127-18-4	Tetrachloroethylene	ND		ug/m ³	0.59	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
109-99-9	* Tetrahydrofuran	1.3		ug/m ³	0.52	0.875	EPA TO-15 Certifications:	04/10/2024 12:00	04/11/2024 03:53	YR
108-88-3	Toluene	0.49		ug/m ³	0.33	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.35	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.40	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
79-01-6	Trichloroethylene	0.14	J	ug/m ³	0.12	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
75-69-4	Trichlorofluoromethane (Freon 11)	1.3		ug/m ³	0.49	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
108-05-4	Vinyl acetate	ND		ug/m ³	0.31	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
593-60-2	Vinyl bromide	ND		ug/m ³	0.38	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR
75-01-4	Vinyl Chloride	ND		ug/m ³	0.11	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/10/2024 12:00	04/11/2024 03:53	YR



Sample Information

Client Sample ID: OA_3.28.24

York Sample ID: 24D0037-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D0037

NEW6313. RA 350-352 Liberty Street, Newburgh, NY

Outdoor Ambient Air

March 29, 2024 10:00 am

04/01/2024

VOA, TO15 Isooctane (2,2,4-TMP) Add On

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
540-84-1	* 2,2,4-Trimethylpentane	ND		ug/m ³	0.838	0.897	EPA TO-15	04/10/2024 12:00	04/11/2024 05:02	YR
						Certifications:				

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	0.62	0.897	EPA TO-15	04/10/2024 12:00	04/11/2024 05:02	YR
						Certifications:				
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.49	0.897	EPA TO-15	04/10/2024 12:00	04/11/2024 05:02	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.62	0.897	EPA TO-15	04/10/2024 12:00	04/11/2024 05:02	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	0.69	0.897	EPA TO-15	04/10/2024 12:00	04/11/2024 05:02	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.49	0.897	EPA TO-15	04/10/2024 12:00	04/11/2024 05:02	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.36	0.897	EPA TO-15	04/10/2024 12:00	04/11/2024 05:02	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.089	0.897	EPA TO-15	04/10/2024 12:00	04/11/2024 05:02	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	0.67	0.897	EPA TO-15	04/10/2024 12:00	04/11/2024 05:02	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	0.44	0.897	EPA TO-15	04/10/2024 12:00	04/11/2024 05:02	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
106-93-4	1,2-Dibromoethane	ND		ug/m ³	0.69	0.897	EPA TO-15	04/10/2024 12:00	04/11/2024 05:02	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.54	0.897	EPA TO-15	04/10/2024 12:00	04/11/2024 05:02	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.36	0.897	EPA TO-15	04/10/2024 12:00	04/11/2024 05:02	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.41	0.897	EPA TO-15	04/10/2024 12:00	04/11/2024 05:02	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.63	0.897	EPA TO-15	04/10/2024 12:00	04/11/2024 05:02	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.44	0.897	EPA TO-15	04/10/2024 12:00	04/11/2024 05:02	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
106-99-0	1,3-Butadiene	ND		ug/m ³	0.60	0.897	EPA TO-15	04/10/2024 12:00	04/11/2024 05:02	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.54	0.897	EPA TO-15	04/10/2024 12:00	04/11/2024 05:02	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.41	0.897	EPA TO-15	04/10/2024 12:00	04/11/2024 05:02	YR
						Certifications:				
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.54	0.897	EPA TO-15	04/10/2024 12:00	04/11/2024 05:02	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
123-91-1	1,4-Dioxane	ND		ug/m ³	0.65	0.897	EPA TO-15	04/10/2024 12:00	04/11/2024 05:02	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			



Sample Information

<u>Client Sample ID:</u> OA_3.28.24			<u>York Sample ID:</u> 24D0037-06	
<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
24D0037	NEW6313. RA 350-352 Liberty Street, Newburgh, NY	Outdoor Ambient Air	March 29, 2024 10:00 am	04/01/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-93-3	2-Butanone	0.79		ug/m³	0.26	0.897	EPA TO-15	04/10/2024 12:00	04/11/2024 05:02	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
591-78-6	* 2-Hexanone	ND		ug/m³	0.73	0.897	EPA TO-15	04/10/2024 12:00	04/11/2024 05:02	YR
						Certifications:				
107-05-1	3-Chloropropene	ND		ug/m³	1.4	0.897	EPA TO-15	04/10/2024 12:00	04/11/2024 05:02	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.37	0.897	EPA TO-15	04/10/2024 12:00	04/11/2024 05:02	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
67-64-1	Acetone	71		ug/m³	0.43	0.897	EPA TO-15	04/10/2024 12:00	04/11/2024 05:02	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
107-13-1	Acrylonitrile	23		ug/m³	0.19	0.897	EPA TO-15	04/10/2024 12:00	04/11/2024 05:02	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
71-43-2	Benzene	0.34		ug/m³	0.29	0.897	EPA TO-15	04/10/2024 12:00	04/11/2024 05:02	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
100-44-7	Benzyl chloride	ND		ug/m³	0.46	0.897	EPA TO-15	04/10/2024 12:00	04/11/2024 05:02	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
75-27-4	Bromodichloromethane	ND		ug/m³	0.60	0.897	EPA TO-15	04/10/2024 12:00	04/11/2024 05:02	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
75-25-2	Bromoform	ND		ug/m³	0.93	0.897	EPA TO-15	04/10/2024 12:00	04/11/2024 05:02	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
74-83-9	Bromomethane	ND		ug/m³	0.35	0.897	EPA TO-15	04/10/2024 12:00	04/11/2024 05:02	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
75-15-0	Carbon disulfide	ND		ug/m³	0.28	0.897	EPA TO-15	04/10/2024 12:00	04/11/2024 05:02	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
56-23-5	Carbon tetrachloride	0.34		ug/m³	0.14	0.897	EPA TO-15	04/10/2024 12:00	04/11/2024 05:02	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
108-90-7	Chlorobenzene	ND		ug/m³	0.41	0.897	EPA TO-15	04/10/2024 12:00	04/11/2024 05:02	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
75-00-3	Chloroethane	ND		ug/m³	0.24	0.897	EPA TO-15	04/10/2024 12:00	04/11/2024 05:02	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
67-66-3	Chloroform	ND		ug/m³	0.44	0.897	EPA TO-15	04/10/2024 12:00	04/11/2024 05:02	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
74-87-3	Chloromethane	1.6		ug/m³	0.19	0.897	EPA TO-15	04/10/2024 12:00	04/11/2024 05:02	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.089	0.897	EPA TO-15	04/10/2024 12:00	04/11/2024 05:02	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.41	0.897	EPA TO-15	04/10/2024 12:00	04/11/2024 05:02	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
110-82-7	Cyclohexane	ND		ug/m³	0.31	0.897	EPA TO-15	04/10/2024 12:00	04/11/2024 05:02	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
124-48-1	Dibromochloromethane	ND		ug/m³	0.76	0.897	EPA TO-15	04/10/2024 12:00	04/11/2024 05:02	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
75-71-8	Dichlorodifluoromethane	2.4		ug/m³	0.44	0.897	EPA TO-15	04/10/2024 12:00	04/11/2024 05:02	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
141-78-6	* Ethyl acetate	ND		ug/m³	0.65	0.897	EPA TO-15	04/10/2024 12:00	04/11/2024 05:02	YR
						Certifications:				
100-41-4	Ethyl Benzene	ND		ug/m³	0.39	0.897	EPA TO-15	04/10/2024 12:00	04/11/2024 05:02	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			



Sample Information

<u>Client Sample ID:</u> OA_3.28.24			<u>York Sample ID:</u> 24D0037-06	
<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
24D0037	NEW6313. RA 350-352 Liberty Street, Newburgh, NY	Outdoor Ambient Air	March 29, 2024 10:00 am	04/01/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/m³	0.96	0.897	EPA TO-15	04/10/2024 12:00	04/11/2024 05:02	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
67-63-0	Isopropanol	12	J	ug/m³	0.44	0.897	EPA TO-15	04/10/2024 12:00	04/11/2024 05:02	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
80-62-6	Methyl Methacrylate	ND		ug/m³	0.37	0.897	EPA TO-15	04/10/2024 12:00	04/11/2024 05:02	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.32	0.897	EPA TO-15	04/10/2024 12:00	04/11/2024 05:02	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
75-09-2	Methylene chloride	ND		ug/m³	0.62	0.897	EPA TO-15	04/10/2024 12:00	04/11/2024 05:02	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
91-20-3	* Naphthalene	ND		ug/m³	0.94	0.897	EPA TO-15	04/10/2024 12:00	04/11/2024 05:02	YR
						Certifications:	NJDEP-NY037			
142-82-5	n-Heptane	ND		ug/m³	0.37	0.897	EPA TO-15	04/10/2024 12:00	04/11/2024 05:02	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
110-54-3	n-Hexane	0.41		ug/m³	0.32	0.897	EPA TO-15	04/10/2024 12:00	04/11/2024 05:02	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
95-47-6	o-Xylene	ND		ug/m³	0.39	0.897	EPA TO-15	04/10/2024 12:00	04/11/2024 05:02	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
179601-23-1	p- & m- Xylenes	ND		ug/m³	0.78	0.897	EPA TO-15	04/10/2024 12:00	04/11/2024 05:02	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
622-96-8	* p-Ethyltoluene	ND		ug/m³	0.44	0.897	EPA TO-15	04/10/2024 12:00	04/11/2024 05:02	YR
						Certifications:				
115-07-1	* Propylene	ND		ug/m³	0.15	0.897	EPA TO-15	04/10/2024 12:00	04/11/2024 05:02	YR
						Certifications:				
100-42-5	Styrene	ND		ug/m³	0.38	0.897	EPA TO-15	04/10/2024 12:00	04/11/2024 05:02	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
127-18-4	Tetrachloroethylene	ND		ug/m³	0.61	0.897	EPA TO-15	04/10/2024 12:00	04/11/2024 05:02	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
109-99-9	* Tetrahydrofuran	ND		ug/m³	0.53	0.897	EPA TO-15	04/10/2024 12:00	04/11/2024 05:02	YR
						Certifications:				
108-88-3	Toluene	0.54		ug/m³	0.34	0.897	EPA TO-15	04/10/2024 12:00	04/11/2024 05:02	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.36	0.897	EPA TO-15	04/10/2024 12:00	04/11/2024 05:02	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.41	0.897	EPA TO-15	04/10/2024 12:00	04/11/2024 05:02	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
79-01-6	Trichloroethylene	ND		ug/m³	0.12	0.897	EPA TO-15	04/10/2024 12:00	04/11/2024 05:02	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
75-69-4	Trichlorofluoromethane (Freon 11)	1.3		ug/m³	0.50	0.897	EPA TO-15	04/10/2024 12:00	04/11/2024 05:02	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
108-05-4	Vinyl acetate	ND		ug/m³	0.32	0.897	EPA TO-15	04/10/2024 12:00	04/11/2024 05:02	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
593-60-2	Vinyl bromide	ND		ug/m³	0.39	0.897	EPA TO-15	04/10/2024 12:00	04/11/2024 05:02	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			
75-01-4	Vinyl Chloride	ND		ug/m³	0.11	0.897	EPA TO-15	04/10/2024 12:00	04/11/2024 05:02	YR
						Certifications:	NELAC-NY12058,NJDEP-NY037			

TO-15

Data Section



Geology

Hydrology

Remediation

Water Supply

**QA/QC Review of Method TO-15 Volatiles Data
for York Analytical Laboratories, Inc., SDG: 24D0037**

**6 Soil Vapor/Air Samples
Collected March 29, 2024**

Prepared by: Donald Anné
January 7, 2025

Holding Times: Samples were analyzed within recommended USEPA SW-846 holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The average RRFs for target compounds were above the allowable minimum (0.010), as required.

The %RSDs for 7 compounds (highlighted yellow on attached FORM VI) were above the allowable maximum (30%) for 5975C on 02-20-24. The %RSDs for cis-1,2-dichloroethylene, isopropanol, trichloroethylene, and vinyl chloride were above the allowable maximum (30%) for TO15 AIR2 on 03-13-24. Positive results for isopropanol should be considered estimated (J) in associated samples.

Continuing Calibration: The RRFs for target compounds were above the allowable minimum (0.010), as required.

The %D for hexachlorobutadiene was above the allowable maximum (30%) on 04-10-24 (TO303558.D). The %Ds for benzyl chloride and vinyl chloride were above the allowable maximum (30%) on 04-10-24 (TQ229345.D). Positive results for these compounds should be considered estimated (J) in associated samples.

Blanks: Method blank BD40943-BLK1 contained a trace of 2,2,4-trimethylpentane (0.514 ug/m³). Positive results for 2,2,4-trimethylpentane that are less than five times the method blank level should be reported as not detected (U) in associated samples.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Laboratory Control Sample: The percent recovery (%R) for vinyl chloride was above QC limits for air/vapor sample BD40942-BS1. The positive results for vinyl chloride should be considered estimated, biased high (J+) in associated air/soil vapor samples.

The %Rs for 1,2,4-trichlorobenzene, 4-methyl-2-pentanone, acetone, and naphthalene were below QC limits, but not below 25% for air/vapor sample BD40937-BS1. The positive results for these compounds should be considered estimated, biased low (J-) and “not detected” results estimated (UJ) in associated air/soil vapor samples.

Laboratory Duplicate Sample: The relative percent differences for applicable compounds were below the allowable maximum for air/vapor samples B-SS-1 and B-SS-2.

Field Duplicates: The relative percent differences for 1,2,4-trimethylbenzene, p&m-xylenes, p-ethyltoluene, and styrene were above the allowable maximum (25%) for vapor/air field duplicate pair B-IA-1/B-IA-1-DUP (attached table). Positive results for these compounds should be considered estimated (J) in samples B-IA-1 and B-IA-1-DUP.

Canister Pressure: The laboratory reported “received” pressure for sample B-IA-1 was not below zero (residual vacuum). Positive results for sample B-IA-1 should be considered estimated (J).

Compound ID: Checked compounds were within quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.

The results for isopropanol in samples B-SS-1, B-SS-2, and B-IA-1-DUP were quantitated by extrapolating data above the highest calibration standard and marked ‘E’ by the laboratory. The results that are flagged as ‘E’ in the should be considered estimated (J) in the samples.



York Analytical Laboratories, Inc.
120 Research Drive
Stratford, CT 06615
clientservices@yorklab.com
www.yorklab.com



Field Chain-of-Custody Record - AIR

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document. This document serves as your written authorization for YORK to proceed with the analyses requested below. signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 240037		Page 1 of 1	
YOUR Information		Report To:	
Company: HRP Associates Inc.		Company: NEWG313.RA	
Address: 112-0100 5th Ave, Suite 110		Address: 340-352 Liberty Street	
City: New York, NY 10065		City: New York, NY 10065	
Phone: 518 877 7101		Phone: 518 877 7101	
Contact: E. J. Jackson		Contact: E. J. Jackson	
E-mail: ejackson@hrpasociates.com		E-mail: ejackson@hrpasociates.com	
Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.		YOUR PO#:	
Samples Collected by: (print your name above and sign below) E. J. Jackson		Report / EDD Type (circle selections)	
Air Matrix Codes		Summary Report	
AI - Indoor Ambient Air		CT RCP	
AO - Outdoor Amb. Air		CT RCP DQ/DUE	
AE - Vapor Extraction Well/Process Gas/Effluent		NJDEP Reduced Deliv.	
AS - Soil Vapor/Sub-Slab		NJDEP SRP Haz-Site	
Standard Excels EDD		EQUIS (Standard)	
NYSDEC EQUIS		NJDEP SRP Haz-Site	
YORK Reg. Comp.		Compared to the following Regulation(s): (please fill in)	
ANSPDH		Devision	
Matrios			
Reporting Units: ug/m ³ X ppbv ___ ppmv ___			
Please enter the following REQUIRED Field Data			
Certified Canisters: Batch X	Individual	Canister Vacuum Before Sampling (in Hg)	Canister ID
Sample Identification	Date/Time Sampled	Canister Vacuum After Sampling (in Hg)	Flow Cont. ID
B55-1	3/28/14 5:30-7:00 AM	-30	19380
B55-2	3/28/14 5:30-7:00 AM	-30	7077
B-CA-1	3/28/14 5:30-7:00 AM	-29	19393
B-IA-1-DUP	3/28/14 5:30-7:00 AM	-30	6873
B-IAZ	3/28/14 5:30-7:00 AM	-30	19431
OA-3-28-24	3/28/14 5:30-7:00 AM	-30	20124
Detection Limits Required			
≤ 1 ug/m ³		NYSDEC V1 Limits	
Routine Survey		Other: NJSDOH Devison	
Samples Relinquished by / Company		Samples Relinquished by / Company	
Date/Time		Date/Time	
4/1/24 10:50		4-1-24	
Samples Received by / Company		Samples Received by / Company	
Date/Time		Date/Time	
4/1/24 14:50		4/2/24 12:05	
Samples Relinquished by / Company		Samples Received in LAB by	
Date/Time		Date/Time	
4/2/24 16:25		4/2/24 12:01	
Comments: Please send copy to Ted.Wall@hrpasociates.com			
Samples Relinquished by / Company			
Date/Time			
4/1/24 10:50			
Samples Received by / Company			
Date/Time			
4/1/24 14:50			
Samples Relinquished by / Company			
Date/Time			
4/2/24 16:25			

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA TO-15

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24D0037Client: HRP Associates, Inc.Project: NEW6313. RA 350-352 Liberty Street, Newburgh, N^YMatrix: AirBatch: BD40937Laboratory ID: BD40937-BS1Preparation: EPA TO15 PREPInitial/Final: 400 mL / 400 mL

COMPOUND	SPIKE ADDED (ppbv)	LCS CONCENTRATION (ppbv)	LCS % REC. #	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	10.0	8.78	87.8	70 - 130
1,1,1-Trichloroethane	10.0	8.70	87.0	70 - 130
1,1,2,2-Tetrachloroethane	10.0	8.59	85.9	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	9.74	97.4	70 - 130
1,1,2-Trichloroethane	10.0	8.15	81.5	70 - 130
1,1-Dichloroethane	10.0	8.59	85.9	70 - 130
1,1-Dichloroethylene	10.0	8.05	80.5	70 - 130
1,2,4-Trichlorobenzene	10.0	5.29	52.9 *	70 - 130
1,2,4-Trimethylbenzene	10.0	8.74	87.4	70 - 130
1,2-Dibromoethane	10.0	8.19	81.9	70 - 130
1,2-Dichlorobenzene	10.0	10.1	101	70 - 130
1,2-Dichloroethane	10.0	7.46	74.6	70 - 130
1,2-Dichloropropane	10.0	7.53	75.3	70 - 130
1,2-Dichlorotetrafluoroethane	10.0	10.7	107	70 - 130
1,3,5-Trimethylbenzene	10.0	8.29	82.9	70 - 130
1,3-Butadiene	10.0	8.71	87.1	70 - 130
1,3-Dichlorobenzene	10.0	7.83	78.3	70 - 130
1,3-Dichloropropane	10.0	7.50	75.0	70 - 130
1,4-Dichlorobenzene	10.0	7.78	77.8	70 - 130
1,4-Dioxane	10.0	8.04	80.4	70 - 130
2-Butanone	10.0	7.70	77.0	70 - 130
2-Hexanone	10.0	7.12	71.2	70 - 130
3-Chloropropene	10.0	8.10	81.0	70 - 130
4-Methyl-2-pentanone	10.0	6.99	69.9 *	70 - 130
Acetone	10.0	6.90	69.0 *	70 - 130
Acrylonitrile	10.0	9.06	90.6	70 - 130
Benzene	10.0	9.10	91.0	70 - 130
Benzyl chloride	10.0	7.79	77.9	70 - 130
Bromodichloromethane	10.0	7.59	75.9	70 - 130
Bromoform	10.0	9.99	99.9	70 - 130

FORM III

LCS / LCS DUPLICATE RECOVERY
EPA TO-15Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24D0037Client: HRP Associates, Inc.Project: NEW6313. RA 350-352 Liberty Street, Newburgh, NMatrix: AirBatch: BD40937Laboratory ID: BD40937-BS1Preparation: EPA TO15 PREPInitial/Final: 400 mL / 400 mL

COMPOUND	SPIKE ADDED (ppbv)	LCS CONCENTRATION (ppbv)	LCS % REC. #	QC LIMITS REC.
Bromomethane	10.0	9.38	93.8	70 - 130
Carbon disulfide	10.0	9.84	98.4	70 - 130
Carbon tetrachloride	10.0	9.01	90.1	70 - 130
Chlorobenzene	10.0	8.41	84.1	70 - 130
Chloroethane	10.0	9.08	90.8	70 - 130
Chloroform	10.0	9.07	90.7	70 - 130
Chloromethane	10.0	9.41	94.1	70 - 130
cis-1,2-Dichloroethylene	10.0	7.18	71.8	70 - 130
cis-1,3-Dichloropropylene	10.0	7.49	74.9	70 - 130
Cyclohexane	10.0	8.32	83.2	70 - 130
Dibromochloromethane	10.0	8.63	86.3	70 - 130
Dichlorodifluoromethane	10.0	8.47	84.7	70 - 130
Ethyl acetate	10.0	7.87	78.7	70 - 130
Ethyl Benzene	10.0	8.40	84.0	70 - 130
Hexachlorobutadiene	10.0	10.7	107	70 - 130
Isopropanol	10.0	9.87	98.7	70 - 130
Methyl Methacrylate	10.0	7.67	76.7	70 - 130
Methyl tert-butyl ether (MTBE)	10.0	8.53	85.3	70 - 130
Methylene chloride	10.0	8.41	84.1	70 - 130
Naphthalene	10.0	6.10	61.0 *	70 - 130
n-Heptane	10.0	8.48	84.8	70 - 130
n-Hexane	10.0	8.53	85.3	70 - 130
o-Xylene	10.0	8.68	86.8	70 - 130
p- & m- Xylenes	20.0	17.5	87.6	70 - 130
p-Ethyltoluene	10.0	9.15	91.5	70 - 130
Propylene	10.0	8.50	85.0	70 - 130
Styrene	10.0	9.17	91.7	70 - 130
Tetrachloroethylene	10.0	8.78	87.8	70 - 130
Tetrahydrofuran	10.0	8.04	80.4	70 - 130
Toluene	10.0	7.78	77.8	70 - 130

FORM III**LCS / LCS DUPLICATE RECOVERY
EPA TO-15**Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24D0037Client: HRP Associates, Inc.Project: NEW6313. RA 350-352 Liberty Street, Newburgh, NYMatrix: AirBatch: BD40937Laboratory ID: BD40937-BS1Preparation: EPA TO15 PREPInitial/Final: 400 mL / 400 mL

COMPOUND	SPIKE ADDED (ppbv)	LCS CONCENTRATION (ppbv)	LCS % REC. #	QC LIMITS REC.
trans-1,2-Dichloroethylene	10.0	8.50	85.0	70 - 130
trans-1,3-Dichloropropylene	10.0	7.02	70.2	70 - 130
Trichloroethylene	10.0	7.72	77.2	70 - 130
Trichlorofluoromethane (Freon 11)	10.0	8.89	88.9	70 - 130
Vinyl acetate	10.0	7.64	76.4	70 - 130
Vinyl bromide	10.0	9.95	99.5	70 - 130
Vinyl Chloride	10.0	9.11	91.1	70 - 130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA TO-15

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24D0037Client: HRP Associates, Inc.Project: NEW6313. RA 350-352 Liberty Street, Newburgh, N^YMatrix: AirBatch: BD40942Laboratory ID: BD40942-BS1Preparation: EPA TO15 PREPInitial/Final: 400 mL / 400 mL

COMPOUND	SPIKE ADDED (ppbv)	LCS CONCENTRATION (ppbv)	LCS % REC. #	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	10.0	9.62	96.2	70 - 130
1,1,1-Trichloroethane	10.0	10.0	100	70 - 130
1,1,2,2-Tetrachloroethane	10.0	10.6	106	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	9.20	92.0	70 - 130
1,1,2-Trichloroethane	10.0	10.6	106	70 - 130
1,1-Dichloroethane	10.0	9.17	91.7	70 - 130
1,1-Dichloroethylene	10.0	9.20	92.0	70 - 130
1,2,4-Trichlorobenzene	10.0	12.9	129	70 - 130
1,2,4-Trimethylbenzene	10.0	11.4	114	70 - 130
1,2-Dibromoethane	10.0	11.8	118	70 - 130
1,2-Dichlorobenzene	10.0	11.9	119	70 - 130
1,2-Dichloroethane	10.0	10.8	108	70 - 130
1,2-Dichloropropane	10.0	9.49	94.9	70 - 130
1,2-Dichlorotetrafluoroethane	10.0	11.0	110	70 - 130
1,3,5-Trimethylbenzene	10.0	10.6	106	70 - 130
1,3-Butadiene	10.0	11.4	114	70 - 130
1,3-Dichlorobenzene	10.0	11.9	119	70 - 130
1,3-Dichloropropane	10.0	11.2	112	70 - 130
1,4-Dichlorobenzene	10.0	12.2	122	70 - 130
1,4-Dioxane	10.0	10.1	101	70 - 130
2-Butanone	10.0	9.64	96.4	70 - 130
2-Hexanone	10.0	12.1	121	70 - 130
3-Chloropropene	10.0	8.35	83.5	70 - 130
4-Methyl-2-pentanone	10.0	11.4	114	70 - 130
Acetone	10.0	8.73	87.3	70 - 130
Acrylonitrile	10.0	9.44	94.4	70 - 130
Benzene	10.0	8.39	83.9	70 - 130
Benzyl chloride	10.0	13.0	130	70 - 130
Bromodichloromethane	10.0	11.6	116	70 - 130
Bromoform	10.0	11.4	114	70 - 130

FORM III

LCS / LCS DUPLICATE RECOVERY
EPA TO-15Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24D0037Client: HRP Associates, Inc.Project: NEW6313. RA 350-352 Liberty Street, Newburgh, NMatrix: AirBatch: BD40942Laboratory ID: BD40942-BS1Preparation: EPA TO15 PREPInitial/Final: 400 mL / 400 mL

COMPOUND	SPIKE ADDED (ppbv)	LCS CONCENTRATION (ppbv)	LCS % REC. #	QC LIMITS REC.
Bromomethane	10.0	9.32	93.2	70 - 130
Carbon disulfide	10.0	9.01	90.1	70 - 130
Carbon tetrachloride	10.0	8.95	89.5	70 - 130
Chlorobenzene	10.0	9.18	91.8	70 - 130
Chloroethane	10.0	8.11	81.1	70 - 130
Chloroform	10.0	9.97	99.7	70 - 130
Chloromethane	10.0	12.0	120	70 - 130
cis-1,2-Dichloroethylene	10.0	9.88	98.8	70 - 130
cis-1,3-Dichloropropylene	10.0	10.4	104	70 - 130
Cyclohexane	10.0	8.68	86.8	70 - 130
Dibromochloromethane	10.0	11.8	118	70 - 130
Dichlorodifluoromethane	10.0	10.8	108	70 - 130
Ethyl acetate	10.0	9.71	97.1	70 - 130
Ethyl Benzene	10.0	9.70	97.0	70 - 130
Hexachlorobutadiene	10.0	11.4	114	70 - 130
Isopropanol	10.0	9.77	97.7	70 - 130
Methyl Methacrylate	10.0	10.5	105	70 - 130
Methyl tert-butyl ether (MTBE)	10.0	9.29	92.9	70 - 130
Methylene chloride	10.0	8.86	88.6	70 - 130
Naphthalene	10.0	12.0	120	70 - 130
n-Heptane	10.0	9.64	96.4	70 - 130
n-Hexane	10.0	8.36	83.6	70 - 130
o-Xylene	10.0	10.3	103	70 - 130
p- & m- Xylenes	20.0	20.5	102	70 - 130
p-Ethyltoluene	10.0	12.1	121	70 - 130
Propylene	10.0	8.74	87.4	70 - 130
Styrene	10.0	10.6	106	70 - 130
Tetrachloroethylene	10.0	10.5	105	70 - 130
Tetrahydrofuran	10.0	9.18	91.8	70 - 130
Toluene	10.0	10.4	104	70 - 130

FORM III

LCS / LCS DUPLICATE RECOVERY
EPA TO-15Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24D0037Client: HRP Associates, Inc.Project: NEW6313. RA 350-352 Liberty Street, Newburgh, NYMatrix: AirBatch: BD40942Laboratory ID: BD40942-BS1Preparation: EPA TO15 PREPInitial/Final: 400 mL / 400 mL

COMPOUND	SPIKE ADDED (ppbv)	LCS CONCENTRATION (ppbv)	LCS % REC. #	QC LIMITS REC.
trans-1,2-Dichloroethylene	10.0	9.55	95.5	70 - 130
trans-1,3-Dichloropropylene	10.0	11.3	113	70 - 130
Trichloroethylene	10.0	10.5	105	70 - 130
Trichlorofluoromethane (Freon 11)	10.0	10.8	108	70 - 130
Vinyl acetate	10.0	8.07	80.7	70 - 130
Vinyl bromide	10.0	8.99	89.9	70 - 130
Vinyl Chloride	10.0	13.6	136 *	70 - 130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA TO-15

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24D0037Client: HRP Associates, Inc.Project: NEW6313. RA 350-352 Liberty Street, Newburgh.Calibration: SC40012Instrument: 5975CCalibration Date: 02/20/24 18:16

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,1,1,2-Tetrachloroethane	0.5864206	8.761263	18.9145	1.195292E-02			30	
1,1,1-Trichloroethane	1.458037	12.42032	12.517	8.528355E-03			30	
1,1,2,2-Tetrachloroethane	1.062394	5.709689	20.718	1.305703E-02			30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1.673467	9.575491	8.34675	4.291606E-02			30	
1,1,2-Trichloroethane	0.435887	12.93894	16.764	2.902133E-02			30	
1,1-Dichloroethane	1.428916	7.16588	10.53212	1.643033E-02			30	
1,1-Dichloroethylene	1.244828	7.044651	8.566	1.875257E-02			30	
1,2,4-Trichlorobenzene	0.5529627	55.62986	26.923	2.162193E-02		0.9942321	0.99	
1,2,4-Trimethylbenzene	1.519655	18.24355	22.436	2.099681E-02			30	
1,2-Dibromoethane	0.6745695	9.92219	18.06525	2.426702E-02			30	
1,2-Dichlorobenzene	0.973583	23.83562	24.17525	9.312999E-03			30	
1,2-Dichloroethane	0.9602837	4.890531	13.04287	2.555723E-02			30	
1,2-Dichloropropane	0.4005308	10.96417	14.42112	1.257943E-02			30	
1,2-Dichlorotetrafluoroethane	1.66341	20.8699	5.424	5.988128E-02			30	
1,3,5-Trimethylbenzene	1.51576	13.03744	21.6125	1.191575E-02			30	
1,3-Butadiene	0.3501478	19.00858	5.983	8.037102E-02			30	
1,3-Dichlorobenzene	0.9861441	30.47456	23.27713	1.615451E-02		0.999535	0.99	
1,3-Dichloropropane	0.5900496	4.902865	17.18875	0.0147837			30	
1,4-Dichlorobenzene	0.9368859	33.80352	23.4675	1.629898E-02		0.999669	0.99	
1,4-Dioxane	0.2336133	8.126109	14.74738	6.846117E-02			30	
2-Butanone	2.10635	15.35191	11.13725	7.932689E-02			30	
2-Hexanone	0.8926286	19.76111	16.782	2.976603E-02			30	
3-Chloropropene	1.198044	11.50457	9.14675	3.091054E-02			30	
4-Methyl-2-pentanone	0.952819	13.64128	15.3225	4.023939E-02			30	
Acetone	1.531964	27.5403	8.197875	0.1577815			30	
Acrolein	0.438127	11.46961	8.089	0.1323961			30	
Acrylonitrile	1.020897	39.99964	9.379375	9.222341E-02		0.9998317	0.99	
Benzene	2.586807	9.772944	13.17425	7.826286E-03			30	
Benzyl chloride	0.2735305	47.85809	23.61914	1.799954E-02		0.9996642	0.99	
Bromodichloromethane	0.6623147	7.202248	14.77812	2.241912E-02			30	
Bromoform	0.7702427	13.92602	20.46325	9.279308E-03			30	
Bromomethane	0.8538465	10.78162	6.76025	5.978475E-02			30	

FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA TO-15

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24D0037Client: HRP Associates, Inc.Project: NEW6313. RA 350-352 Liberty Street, Newburgh.Calibration: SC40012Instrument: 5975CCalibration Date: 02/20/24 18:16

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Carbon disulfide	2.264577	7.727028	9.429625	3.172824E-02			30	
Carbon tetrachloride	1.487612	17.96708	12.9755	1.544033E-02			30	
Chlorobenzene	1.157034	4.421456	18.863	1.039404E-02			30	
Chloroethane	0.4199967	5.031793	6.927375	3.418155E-02			30	
Chloroform	1.572317	9.755948	11.78512	2.005829E-02			30	
Chloromethane	0.3814744	16.30645	5.641875	8.421607E-02			30	
cis-1,2-Dichloroethylene	1.294537	17.0554	11.5142	0.023767			30	
cis-1,3-Dichloropropylene	0.5510306	7.775833	15.6635	1.796092E-02			30	
Cyclohexane	1.478027	5.961913	12.6865	2.640492E-02			30	
Dibromochloromethane	0.7107109	16.43913	17.694	1.636649E-02			30	
Dichlorodifluoromethane	2.026704	4.099438	5.16925	6.104137E-02			30	
Ethanol	2.41095	120.7495	7.067375	0.1537596		0.96478	0.99	*
Ethyl acetate	2.318925	11.71398	11.43738	7.336936E-02			30	
Ethyl Benzene	1.729754	4.914323	18.974	1.368644E-02			30	
Hexachlorobutadiene	0.7375397	13.83694	27.2	1.504259E-02			30	
Isopropanol	2.307634	40.73692	7.982875	0.1764254		0.9998088	0.99	
Isopropylbenzene	1.823893	10.55864	20.55075	8.942521E-03			30	
Methyl Methacrylate	0.3774365	9.281056	14.44012	3.956432E-02			30	
Methyl tert-butyl ether (MTBE)	2.009378	9.819577	9.702	0.11141			30	
Methylene chloride	1.088993	6.969347	9.29425	3.737548E-02			30	
Naphthalene	1.472902	49.46496	27.31033	6.392629E-03		0.9948727	0.99	
n-Butylbenzene	1.632254	28.54994	23.92187	8.685601E-03			30	
n-Heptane	1.815566	11.11084	13.1975	3.666787E-02			30	
n-Hexane	1.344092	6.815912	10.17338	2.276573E-02			30	
n-Propylbenzene	2.262274	11.5196	21.30775	1.451114E-02			30	
o-Xylene	1.283178	9.976129	19.89525	2.250893E-02			30	
p- & m- Xylenes	1.265706	11.4434	19.11863	0.0149668			30	
p-Ethyltoluene	1.807992	18.66215	21.52638	1.752098E-02			30	
p-Isopropyltoluene	1.847792	18.22835	23.1135	2.786799E-02			30	
Propylene	0.5894355	13.53966	5.1	6.304411E-02			30	
sec-Butylbenzene	2.35046	13.14856	22.83975	0.0175964			30	
Styrene	1.004325	16.73524	19.91675	3.804787E-02			30	

FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA TO-15

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24D0037Client: HRP Associates, Inc.Project: NEW6313. RA 350-352 Liberty Street, Newburgh.Calibration: SC40012Instrument: 5975CCalibration Date: 02/20/24 18:16

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
tert-Butylbenzene	1.670741	12.47339	22.36475	1.797761E-02			30	
Tetrachloroethylene	0.6142616	11.50717	17.50637	7.040404E-03			30	
Tetrahydrofuran	1.186607	9.521853	12.11125	9.412135E-02			30	
Toluene	1.281174	5.788005	16.32	0.0239162			30	
trans-1,2-Dichloroethylene	1.183294	7.178664	9.88775	1.942238E-02			30	
trans-1,3-Dichloropropylene	0.4823551	10.57774	16.47425	1.926902E-02			30	
Trichloroethylene	0.4566461	12.29932	14.1951	2.394807E-02			30	
Trichlorofluoromethane (Freon 11)	1.755883	8.908266	7.4945	3.726405E-02			30	
Vinyl acetate	2.485569	9.023381	10.48675	5.329234E-02			30	
Vinyl bromide	0.7803548	9.17623	7.37575	2.815627E-02			30	
Vinyl Chloride	0.5547381	43.04172	5.9032	0.0666789		0.999765	0.99	

FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA TO-15

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24D0037Client: HRP Associates, Inc.Project: NEW6313. RA 350-352 Liberty Street, Newburgh.Calibration: SD40002Instrument: TO15_AIR2Calibration Date: 03/13/24 01:43

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,1,1,2-Tetrachloroethane	0.5867132	5.995241	20.48425	0.0181252			30	
1,1,1-Trichloroethane	1.689797	5.440245	13.16	5.525048E-02			30	
1,1,2,2-Tetrachloroethane	1.088625	6.750703	22.6565	2.322448E-02			30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1.487869	8.354495	8.443125	9.395969E-02			30	
1,1,2-Trichloroethane	0.4756473	10.0459	18.02725	3.394825E-02			30	
1,1-Dichloroethane	1.448091	8.800967	10.90825	7.350961E-02			30	
1,1-Dichloroethylene	1.34615	26.1154	8.6902	0.1035327			30	
1,2,4-Trichlorobenzene	0.8629889	19.48749	29.61175	2.354339E-02			30	
1,2,4-Trimethylbenzene	1.64163	9.970642	24.49838	1.520603E-02			30	
1,2-Dibromoethane	0.7359808	6.695091	19.531	2.287232E-02			30	
1,2-Dichlorobenzene	1.142015	9.018349	26.2325	0.0113328			30	
1,2-Dichloroethane	1.13781	6.037802	13.773	0.0460624			30	
1,2-Dichloropropane	0.4436922	13.79691	15.346	4.149689E-02			30	
1,2-Dichlorotetrafluoroethane	1.57086	8.249444	5.286125	0.1713088			30	
1,3,5-Trimethylbenzene	1.515471	9.558146	23.66925	2.588717E-02			30	
1,3-Butadiene	0.3947068	25.36147	5.869	0.1887914			30	
1,3-Dichlorobenzene	1.154826	10.53351	25.31825	1.019106E-02			30	
1,3-Dichloropropane	0.6947641	7.559442	18.51075	1.979384E-02			30	
1,4-Dichlorobenzene	1.167897	10.57431	25.505	8.953327E-03			30	
1,4-Dioxane	0.236327	8.907366	15.71363	8.905097E-02			30	
2-Butanone	1.889978	7.212997	11.607	0.1574372			30	
2-Hexanone	0.9491027	10.5147	18.0235	4.843268E-02			30	
3-Chloropropene	1.024348	4.600482	9.347	7.514198E-02			30	
4-Methyl-2-pentanone	0.9911118	8.042935	16.36012	5.788841E-02			30	
Acetone	1.464834	25.60621	8.314125	0.3617915			30	
Acrolein	0.3123499	8.736999	8.1945	0.4462988			30	
Acrylonitrile	0.6093611	6.018317	9.636375	0.2450319			30	
Benzene	2.596969	15.62849	13.9175	3.405632E-02			30	
Benzyl chloride	1.374594	22.64005	25.65325	2.374124E-02			30	
Bromodichloromethane	0.7118012	5.928031	15.75925	2.475855E-02			30	
Bromoform	0.6915157	11.37961	22.37125	1.003803E-02			30	
Bromomethane	0.6238653	11.43067	6.701	0.1660279			30	

FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA TO-15

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24D0037Client: HRP Associates, Inc.Project: NEW6313. RA 350-352 Liberty Street, Newburgh.Calibration: SD40002Instrument: TO15_AIR2Calibration Date: 03/13/24 01:43

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Carbon disulfide	1.958015	8.744048	9.654875	9.574357E-02			30	
Carbon tetrachloride	1.643151	16.69613	13.6793	4.870606E-02			30	
Chlorobenzene	1.158044	11.07947	20.4315	2.220326E-02			30	
Chloroethane	0.3188269	5.147444	6.89	0.2376425			30	
Chloroform	1.646075	6.874911	12.33175	7.371403E-02			30	
Chloromethane	0.4330023	16.80329	5.506	0.2540346			30	
cis-1,2-Dichloroethylene	1.359117	31.90104	12.0224	5.997644E-02		0.9999771	0.99	
cis-1,3-Dichloropropylene	0.6027221	8.195384	16.76375	2.329149E-02			30	
Cyclohexane	1.395766	6.082006	13.34675	0.054021			30	
Dibromochloromethane	0.73167	4.841406	19.1055	9.524303E-03			30	
Dichlorodifluoromethane	1.959887	12.2175	5.00225	0.1555741			30	
Ethanol							30	
Ethyl acetate	2.157192	5.445465	11.941	0.1284656			30	
Ethyl Benzene	1.841774	6.873608	20.54225	1.881939E-02			30	
Hexachlorobutadiene	0.8291825	10.00408	29.94325	1.257909E-02			30	
Isopropanol	1.840614	35.11433	8.080375	0.2809983		0.9998913	0.99	
Isopropylbenzene	1.929676	11.54346	22.43375	2.397365E-02			30	
Methyl Methacrylate	0.3609507	10.44629	15.35275	4.576413E-02			30	
Methyl tert-butyl ether (MTBE)	1.894066	5.881386	9.96475	0.191781			30	
Methylene chloride	1.071901	16.24928	9.515125	9.390394E-02			30	
Naphthalene	2.158246	19.70292	30.15625	2.769547E-02			30	
n-Butylbenzene	1.896133	12.70374	25.92225	1.577209E-02			30	
n-Heptane	1.759004	7.588449	13.91825	5.075986E-02			30	
n-Hexane	1.206636	6.543721	10.4885	6.636246E-02			30	
n-Propylbenzene	2.366118	8.764041	23.344	2.522316E-02			30	
o-Xylene	1.375114	5.64722	21.6325	5.689591E-03			30	
p- & m- Xylenes	1.353834	7.591232	20.7065	1.511181E-02			30	
p-Ethyltoluene	2.030271	13.02457	23.5835	2.844537E-02			30	
p-Isopropyltoluene	1.949913	14.00773	25.11875	1.683972E-02			30	
Propylene	0.3953849	12.05227	4.9315	0.2028664			30	
sec-Butylbenzene	2.376833	12.26053	24.86875	8.038094E-03			30	
Styrene	1.052603	10.56451	21.65588	1.856937E-02			30	

FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA TO-15

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24D0037Client: HRP Associates, Inc.Project: NEW6313. RA 350-352 Liberty Street, Newburgh.Calibration: SD40002Instrument: TO15_AIR2Calibration Date: 03/13/24 01:43

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
tert-Butylbenzene	1.75332	11.71188	24.42825	2.297973E-02			30	
Tetrachloroethylene	0.6880211	7.185627	18.873	2.410736E-02			30	
Tetrahydrofuran	1.141163	5.60093	12.706	0.1218262			30	
Toluene	1.400585	9.561082	17.51375	1.576507E-02			30	
trans-1,2-Dichloroethylene	1.10349	6.020202	10.179	7.821625E-02			30	
trans-1,3-Dichloropropylene	0.5387945	7.583216	17.68925	3.276399E-02			30	
Trichloroethylene	0.5499541	36.24488	15.0824	2.184816E-02		0.9999426	0.99	
Trichlorofluoromethane (Freon 11)	1.950143	8.328087	7.49675	0.1004687			30	
Vinyl acetate	2.041706	5.907577	10.87025	0.1368158			30	
Vinyl bromide	0.6277307	4.961939	7.371125	0.1217128			30	
Vinyl Chloride	0.5570721	40.40417	5.789	0.3320783		0.9997966	0.99	

FORM VII

CONTINUING CALIBRATION CHECK

EPA TO-15

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24D0037Client: HRP Associates, Inc.Project: NEW6313. RA 350-352 Liberty Street, Newburgh, N'Instrument ID: 5975CCalibration: SC40012Lab File ID: TO303558.DCalibration Date: 02/20/24 18:16Sequence: S4D1142Injection Date: 04/10/24Lab Sample ID: S4D1142-CCV1Injection Time: 13:58

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1,1,2-Tetrachloroethane	A	10.0	10.6	0.5864206	0.6225566		6.2	30
1,1,1-Trichloroethane	A	10.0	10.3	1.458037	1.500576		2.9	30
1,1,2,2-Tetrachloroethane	A	10.0	10.4	1.062394	1.104204		3.9	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	10.0	11.4	1.673467	1.908305		14.0	30
1,1,2-Trichloroethane	A	10.0	10.0	0.435887	0.4369488		0.2	30
1,1-Dichloroethane	A	10.0	9.71	1.428916	1.387535		-2.9	30
1,1-Dichloroethylene	A	10.0	9.22	1.244828	1.200291		-3.6	30
1,2,4-Trichlorobenzene	A	10.0	7.30	0.5529627	0.5258677		-27.0	30
1,2,4-Trimethylbenzene	A	10.0	10.6	1.519655	1.603497		5.5	30
1,2-Dibromoethane	A	10.0	9.78	0.6745695	0.660031		-2.2	30
1,2-Dichlorobenzene	A	10.0	12.4	0.973583	1.209324		24.2	30
1,2-Dichloroethane	A	10.0	8.60	0.9602837	0.8257459		-14.0	30
1,2-Dichloropropane	A	10.0	9.07	0.4005308	0.3631421		-9.3	30
1,2-Dichlorotetrafluoroethane	A	10.0	11.2	1.66341	1.864644		12.1	30
1,3,5-Trimethylbenzene	A	10.0	10.3	1.51576	1.563873		3.2	30
1,3-Butadiene	A	10.0	8.73	0.3501478	0.3055499		-12.7	30
1,3-Dichlorobenzene	A	10.0	9.87	0.9861441	1.232582		-1.3	30
1,3-Dichloropropane	A	10.0	8.85	0.5900496	0.5222109		-11.5	30
1,4-Dichlorobenzene	A	10.0	9.81	0.9368859	1.201579		-1.9	30
1,4-Dioxane	A	10.0	8.97	0.2336133	0.2094872		-10.3	30
2-Butanone	A	10.0	8.95	2.10635	1.884649		-10.5	30
2-Hexanone	A	10.0	8.32	0.8926286	0.7422604		-16.8	30
3-Chloropropene	A	10.0	9.51	1.198044	1.139705		-4.9	30
4-Methyl-2-pentanone	A	10.0	8.16	0.952819	0.7773987		-18.4	30
Acetone	A	10.0	7.67	1.531964	1.174804		-23.3	30
Acrylonitrile	A	10.0	10.3	1.020897	0.7419123		3.3	30
Benzene	A	10.0	10.8	2.586807	2.794786		8.0	30
Benzyl chloride	A	10.0	9.67	0.2735305	0.3375366		-3.3	30
Bromodichloromethane	A	10.0	9.11	0.6623147	0.6035604		-8.9	30

FORM VII

CONTINUING CALIBRATION CHECK

EPA TO-15

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24D0037Client: HRP Associates, Inc.Project: NEW6313. RA 350-352 Liberty Street, Newburgh, N'Instrument ID: 5975CCalibration: SC40012Lab File ID: TO303558.DCalibration Date: 02/20/24 18:16Sequence: S4D1142Injection Date: 04/10/24Lab Sample ID: S4D1142-CCV1Injection Time: 13:58

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Bromoform	A	10.0	12.1	0.7702427	0.9310707		20.9	30
Bromomethane	A	10.0	11.0	0.8538465	0.9418093		10.3	30
Carbon disulfide	A	10.0	11.2	2.264577	2.537645		12.1	30
Carbon tetrachloride	A	10.0	10.7	1.487612	1.585718		6.6	30
Chlorobenzene	A	10.0	10.1	1.157034	1.16468		0.7	30
Chloroethane	A	10.0	10.8	0.4199967	0.4526721		7.8	30
Chloroform	A	10.0	10.5	1.572317	1.657144		5.4	30
Chloromethane	A	10.0	9.39	0.3814744	0.3580608		-6.1	30
cis-1,2-Dichloroethylene	A	10.0	8.53	1.294537	1.10372		-14.7	30
cis-1,3-Dichloropropylene	A	10.0	9.01	0.5510306	0.4965605		-9.9	30
Cyclohexane	A	10.0	9.79	1.478027	1.446995		-2.1	30
Dibromochloromethane	A	10.0	10.3	0.7107109	0.7337078		3.2	30
Dichlorodifluoromethane	A	10.0	9.71	2.026704	1.968372		-2.9	30
Ethyl acetate	A	10.0	9.20	2.318925	2.132474		-8.0	30
Ethyl Benzene	A	10.0	10.1	1.729754	1.740767		0.6	30
Hexachlorobutadiene	A	10.0	13.2	0.7375397	0.9749932		32.2	30 *
Isopropanol	A	10.0	10.3	2.307634	1.722711		3.3	30
Methyl Methacrylate	A	10.0	8.84	0.3774365	0.3335444		-11.6	30
Methyl tert-butyl ether (MTBE)	A	10.0	9.92	2.009378	1.99259		-0.8	30
Methylene chloride	A	10.0	9.83	1.088993	1.070573		-1.7	30
Naphthalene	A	10.0	8.28	1.472902	1.496896		-17.2	30
n-Heptane	A	10.0	10.0	1.815566	1.824696		0.5	30
n-Hexane	A	10.0	9.92	1.344092	1.333973		-0.8	30
o-Xylene	A	10.0	10.5	1.283178	1.346921		5.0	30
p- & m- Xylenes	A	20.0	21.4	1.265706	1.351711		6.8	30
p-Ethyltoluene	A	10.0	10.8	1.807992	1.950676		7.9	30
Propylene	A	10.0	9.84	0.5894355	0.5802578		-1.6	30
Styrene	A	10.0	11.2	1.004325	1.12695		12.2	30
Tetrachloroethylene	A	10.0	10.5	0.6142616	0.6422984		4.6	30

FORM VII

CONTINUING CALIBRATION CHECK

EPA TO-15

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24D0037Client: HRP Associates, Inc.Project: NEW6313. RA 350-352 Liberty Street, Newburgh, N'Instrument ID: 5975CCalibration: SC40012Lab File ID: TO303558.DCalibration Date: 02/20/24 18:16Sequence: S4D1142Injection Date: 04/10/24Lab Sample ID: S4D1142-CCV1Injection Time: 13:58

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Tetrahydrofuran	A	10.0	9.24	1.186607	1.096004		-7.6	30
Toluene	A	10.0	9.02	1.281174	1.155236		-9.8	30
trans-1,2-Dichloroethylene	A	10.0	9.76	1.183294	1.154814		-2.4	30
trans-1,3-Dichloropropylene	A	10.0	8.70	0.4823551	0.4197244		-13.0	30
Trichloroethylene	A	10.0	9.15	0.4566461	0.4179299		-8.5	30
Trichlorofluoromethane (Freon 11)	A	10.0	10.3	1.755883	1.801111		2.6	30
Vinyl acetate	A	10.0	8.59	2.485569	2.135716		-14.1	30
Vinyl bromide	A	10.0	12.0	0.7803548	0.9355699		19.9	30
Vinyl Chloride	A	10.0	10.2	0.5547381	0.4076677		2.2	30

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

FORM VII

CONTINUING CALIBRATION CHECK

EPA TO-15

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24D0037Client: HRP Associates, Inc.Project: NEW6313. RA 350-352 Liberty Street, Newburgh, N'Instrument ID: TO15_AIR2Calibration: SD40002Lab File ID: TQ229345.DCalibration Date: 03/13/24 01:43Sequence: S4D1144Injection Date: 04/10/24Lab Sample ID: S4D1144-CCV1Injection Time: 16:20

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1,1,2-Tetrachloroethane	A	10.0	9.80	0.5867132	0.5751734		-2.0	30
1,1,1-Trichloroethane	A	10.0	10.1	1.689797	1.701032		0.7	30
1,1,2,2-Tetrachloroethane	A	10.0	10.6	1.088625	1.15651		6.2	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	10.0	9.35	1.487869	1.391749		-6.5	30
1,1,2-Trichloroethane	A	10.0	10.5	0.4756473	0.501385		5.4	30
1,1-Dichloroethane	A	10.0	9.37	1.448091	1.356199		-6.3	30
1,1-Dichloroethylene	A	10.0	9.03	1.34615	1.215117		-9.7	30
1,2,4-Trichlorobenzene	A	10.0	12.9	0.8629889	1.112641		28.9	30
1,2,4-Trimethylbenzene	A	10.0	11.9	1.64163	1.949584		18.8	30
1,2-Dibromoethane	A	10.0	11.5	0.7359808	0.8493166		15.4	30
1,2-Dichlorobenzene	A	10.0	12.2	1.142015	1.39371		22.0	30
1,2-Dichloroethane	A	10.0	10.5	1.13781	1.199256		5.4	30
1,2-Dichloropropane	A	10.0	9.51	0.4436922	0.4220148		-4.9	30
1,2-Dichlorotetrafluoroethane	A	10.0	11.3	1.57086	1.771322		12.8	30
1,3,5-Trimethylbenzene	A	10.0	10.9	1.515471	1.649757		8.9	30
1,3-Butadiene	A	10.0	11.8	0.3947068	0.4658197		18.0	30
1,3-Dichlorobenzene	A	10.0	11.8	1.154826	1.358798		17.7	30
1,3-Dichloropropane	A	10.0	10.8	0.6947641	0.7517832		8.2	30
1,4-Dichlorobenzene	A	10.0	12.2	1.167897	1.425691		22.1	30
1,4-Dioxane	A	10.0	9.75	0.236327	0.2303079		-2.5	30
2-Butanone	A	10.0	9.57	1.889978	1.808024		-4.3	30
2-Hexanone	A	10.0	12.1	0.9491027	1.14556		20.7	30
3-Chloropropene	A	10.0	8.25	1.024348	0.8447149		-17.5	30
4-Methyl-2-pentanone	A	10.0	11.3	0.9911118	1.120271		13.0	30
Acetone	A	10.0	9.05	1.464834	1.325424		-9.5	30
Acrylonitrile	A	10.0	9.22	0.6093611	0.5615361		-7.8	30
Benzene	A	10.0	8.05	2.596969	2.091779		-19.5	30
Benzyl chloride	A	10.0	13.7	1.374594	1.883152		37.0	30 *
Bromodichloromethane	A	10.0	11.5	0.7118012	0.819114		15.1	30

FORM VII

CONTINUING CALIBRATION CHECK

EPA TO-15

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24D0037Client: HRP Associates, Inc.Project: NEW6313. RA 350-352 Liberty Street, Newburgh, N'Instrument ID: TO15_AIR2Calibration: SD40002Lab File ID: TQ229345.DCalibration Date: 03/13/24 01:43Sequence: S4D1144Injection Date: 04/10/24Lab Sample ID: S4D1144-CCV1Injection Time: 16:20

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Bromoform	A	10.0	12.4	0.6915157	0.8556343		23.7	30
Bromomethane	A	10.0	9.45	0.6238653	0.5895533		-5.5	30
Carbon disulfide	A	10.0	8.71	1.958015	1.706292		-12.9	30
Carbon tetrachloride	A	10.0	9.08	1.643151	1.492358		-9.2	30
Chlorobenzene	A	10.0	9.29	1.158044	1.07537		-7.1	30
Chloroethane	A	10.0	8.44	0.3188269	0.2692168		-15.6	30
Chloroform	A	10.0	9.88	1.646075	1.625531		-1.2	30
Chloromethane	A	10.0	12.7	0.4330023	0.5487213		26.7	30
cis-1,2-Dichloroethylene	A	10.0	9.47	1.359117	1.047626		-5.3	30
cis-1,3-Dichloropropylene	A	10.0	10.3	0.6027221	0.623197		3.4	30
Cyclohexane	A	10.0	8.23	1.395766	1.148919		-17.7	30
Dibromochloromethane	A	10.0	12.0	0.73167	0.8740808		19.5	30
Dichlorodifluoromethane	A	10.0	11.1	1.959887	2.181862		11.3	30
Ethyl acetate	A	10.0	9.34	2.157192	2.014837		-6.6	30
Ethyl Benzene	A	10.0	9.88	1.841774	1.820383		-1.2	30
Hexachlorobutadiene	A	10.0	11.5	0.8291825	0.9567965		15.4	30
Isopropanol	A	10.0	10.1	1.840614	1.501391		1.3	30
Methyl Methacrylate	A	10.0	10.4	0.3609507	0.3761877		4.2	30
Methyl tert-butyl ether (MTBE)	A	10.0	9.16	1.894066	1.734068		-8.4	30
Methylene chloride	A	10.0	8.68	1.071901	0.9299572		-13.2	30
Naphthalene	A	10.0	12.1	2.158246	2.612742		21.1	30
n-Heptane	A	10.0	9.23	1.759004	1.623451		-7.7	30
n-Hexane	A	10.0	8.74	1.206636	1.054972		-12.6	30
o-Xylene	A	10.0	10.5	1.375114	1.441444		4.8	30
p- & m- Xylenes	A	20.0	21.0	1.353834	1.418879		4.8	30
p-Ethyltoluene	A	10.0	11.3	2.030271	2.292126		12.9	30
Propylene	A	10.0	9.06	0.3953849	0.3583091		-9.4	30
Styrene	A	10.0	10.5	1.052603	1.105524		5.0	30
Tetrachloroethylene	A	10.0	10.7	0.6880211	0.7359479		7.0	30

FORM VII

CONTINUING CALIBRATION CHECK

EPA TO-15

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24D0037Client: HRP Associates, Inc.Project: NEW6313. RA 350-352 Liberty Street, Newburgh, N'Instrument ID: TO15_AIR2Calibration: SD40002Lab File ID: TQ229345.DCalibration Date: 03/13/24 01:43Sequence: S4D1144Injection Date: 04/10/24Lab Sample ID: S4D1144-CCV1Injection Time: 16:20

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Tetrahydrofuran	A	10.0	9.13	1.141163	1.041606		-8.7	30
Toluene	A	10.0	9.73	1.400585	1.363216		-2.7	30
trans-1,2-Dichloroethylene	A	10.0	9.41	1.10349	1.038357		-5.9	30
trans-1,3-Dichloropropylene	A	10.0	11.1	0.5387945	0.5998571		11.3	30
Trichloroethylene	A	10.0	10.2	0.5499541	0.469471		1.7	30
Trichlorofluoromethane (Freon 11)	A	10.0	10.7	1.950143	2.095157		7.4	30
Vinyl acetate	A	10.0	7.58	2.041706	1.547832		-24.2	30
Vinyl bromide	A	10.0	8.84	0.6277307	0.5548543		-11.6	30
Vinyl Chloride	A	10.0	14.0	0.5570721	0.6051013		40.1	30 *

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

FORM I

METHOD BLANK DATA SHEET
EPA TO-15

Laboratory:York Analytical Laboratories, Inc. - Stratford

SDG:24D0037

Client:HRP Associates, Inc.

Project:NEW6313. RA 350-352 Liberty Street, Newburgh, N

Matrix:Air

Laboratory ID:BD40943-BLK1

File ID:TQ229350.D

Prepared:04/10/24 12:00

Preparation:EPA TO15 PREP

Initial/Final:400 mL / 400 mL

Analyzed:04/10/24 21:20

Instrument:TO15_AIR2

Batch:BD40943

Sequence:S4D1145

Calibration:SD40055

CAS NO.	COMPOUND	CONC. (ug/m³)	Q
540-84-1	2,2,4-Trimethylpentane	0.514	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Bromochloromethane	373175	12.59	409976	12.596	

Field Duplicate Calculation Section

Volatiles TO-15

Calculations for Field Duplicate Relative Percent Difference (RPD)

SDG No. 24D0037

S1= B-IA-1

S2= B-IA-1-DUP

<u>Analyte</u>	<u>S1</u>	<u>S2</u>	<u>RPD (%)</u>	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.55	ND	NC	
1,2,4-Trimethylbenzene	0.99	1.4	34%	*
1,2-Dichloroethane	0.38	0.35	8%	
2-Butanone	22	22	0%	
2-Hexanone	0.82	0.74	10%	
4-Methyl-2-pentanone	0.35	0.39	11%	
Acetone	91	81	12%	
Benzene	0.94	0.88	7%	
Carbon tetrachloride	0.41	0.38	8%	
Chloroform	3	3.1	3%	
Chloromethane	1.6	1.5	6%	
cis-1,2-Dichloroethylene	0.2	ND	NC	
Dichlorodifluoromethane	2.4	2.3	4%	
Ethyl acetate	2.2	2.6	17%	
Ethyl Benzene	0.87	0.97	11%	
Isopropanol	190	190	0%	
Methyl Methacrylate	0.29	ND	NC	
n-Heptane	0.56	0.53	6%	
o-Xylene	1.1	1.4	24%	
p- & m- Xylenes	3	4.1	31%	*
p-Ethyltoluene	0.46	0.89	64%	*
Propylene	4.5	ND	NC	
Styrene	0.3	0.84	95%	*
Tetrachloroethylene	0.87	0.99	13%	
Tetrahydrofuran	16	17	6%	
Toluene	2.5	3.2	25%	
Trichloroethylene	0.19	0.19	0%	
Trichlorofluoromethane (Freon 11)	1.2	1.3	8%	

* RPD is above the allowable maximum (25%).

All results are in ug/m3.

Bold numbers were values that are below the CRQL or above the high standard.

ND - Not detected.

NC - Not calculated, both results must be within the linear range for valid RPDs to be calculated.

24D1533



Geology

Hydrology

Remediation

Water Supply

**Data Usability Summary Report for
York Analytical Laboratories, Inc., SDG: 24D1533**

**1 Ground Water Sample, 1 Field Duplicate,
1 Equipment Blank, and 1 Field Blank
Collected April 18, 2024**

Prepared by: Donald Anné
January 7, 2025

The data package contains the documentation required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appears legible and complete. The data pack contains the results of 1 ground water sample, 1 field duplicate, 1 equipment blank, and 1 field blank analyzed for PFAS and 1 ground water sample, 1 field duplicate, and 1 equipment blank analyzed for 1,4-dioxane.

The overall performances of the analyses are acceptable. York Analytical Laboratories, Inc. did fulfill the requirements of the analytical methods.

The data are mostly acceptable with some issues that are identified in the accompanying data validation reviews. The following data were qualified:

- The “not detected” PFAS results for PFMPA were qualified as estimated (UJ) for the sample, field duplicate, equipment blank, and field blank because the percent recoveries for PFMPA were below QC limits, but not below 30% in the associated aqueous LCSs.
- The positive PFAS results for PFHpA was qualified as “estimated” (J) for sample MW-104 4.18.24 because percent recovery for the surrogate used to quantitate PFHpA was below QC limits, but not below 10% in the sample.
- The positive PFAS results for PFPeA was qualified as “estimated” (J) for sample Equipment Blank because percent recovery for the surrogate used to quantitate PFPeA was below QC limits, but not below 10% in the sample.
- The “not detected” PFAS result for N-EtFOSE was qualified as “estimated” (UJ) for sample MW-104 4.18.24 because percent recovery for the surrogate used to quantitate N-EtFOSE was below QC limits, but not below 10% in the sample.
- The “not detected” PFAS results for PFBA was qualified as “rejected, unusable” (R) for samples Equipment Blank and Field Blank because percent recovery for the surrogate used to quantitate PFBA was below QC limits and below 10% in the samples.

- The positive PFAS results for PFOA, PFOS, and PFNA were qualified as estimated (J) for samples MW-104 4.18.24 and DUP because the relative percent differences for PFOA, PFOS, and PFNA were above the allowable maximum in the aqueous field duplicate pair MW-104 4.18.24/DUP.
- The “not detected” PFAS results for N-MeFOSA and N-EtFOSA were qualified as “estimated” (UJ) for sample DUP because percent recoveries for the surrogate used to quantitate N-MeFOSA and N-EtFOSA were below QC limits, but not below 10% in the sample.
- The “not detected” PFAS result for N-MeFOSA was qualified as “estimated” (UJ) for sample Equipment Blank because percent recovery for the surrogate used to quantitate N-MeFOSA was below QC limits, but not below 10% in the sample.

All data that are not qualified rejected (R) are considered usable with estimated (J or UJ) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.

Qualified Data Section



Sample Information

Client Sample ID: MW-104_4.18.24

York Sample ID: 24D1533-01

York Project (SDG) No.

24D1533

Client Project ID

NEW6313. RA 350-352 Liberty Street

Matrix

Ground Water

Collection Date/Time

April 18, 2024 2:05 pm

Date Received

04/24/2024

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270E SIM Certifications: NJDEP-CT005,NELAC-NY10854	04/25/2024 08:06	04/26/2024 18:09	SS
Surrogate Recoveries		Result		Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	56.4 %		36.6-118						

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	29.4		ng/L	0.431	1.62	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 14:09	ER
307-24-4	Perfluorohexanoic acid (PFHxA)	19.0		ng/L	0.321	1.83	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 14:09	ER
375-85-9	Perfluoroheptanoic acid (PFHpA)	6.85	J	PF-CC V-L ng/L	0.651	1.83	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 14:09	ER
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	6.05		ng/L	0.623	1.68	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 14:09	ER
335-67-1	Perfluorooctanoic acid (PFOA)	24.8	J	ng/L	0.385	1.83	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 14:09	ER
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	30.7	J	ng/L	0.751	1.70	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 14:09	ER
375-95-1	Perfluorononanoic acid (PFNA)	2.83	J	ng/L	0.476	1.83	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 14:09	ER
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.687	1.83	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 14:09	ER
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.04	1.83	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 14:09	ER
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.806	1.83	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 14:09	ER
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.678	1.83	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 14:09	ER
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.632	1.83	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/29/2024 13:32	04/30/2024 14:09	ER
2355-31-9	N-MeFOSAA	ND		ng/L	0.724	1.83	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 14:09	ER
2991-50-6	N-EtFOSAA	ND		ng/L	0.944	1.83	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 14:09	ER
2706-90-3	Perfluoropentanoic acid (PFPeA)	16.1		ng/L	0.211	3.67	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 14:09	ER
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.806	1.83	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/29/2024 13:32	04/30/2024 14:09	ER
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.834	1.75	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/29/2024 13:32	04/30/2024 14:09	ER
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.21	1.77	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/29/2024 13:32	04/30/2024 14:09	ER



Sample Information

Client Sample ID: MW-104_4.18.24

York Sample ID: 24D1533-01

York Project (SDG) No.

24D1533

Client Project ID

NEW6313. RA 350-352 Liberty Street

Matrix

Ground Water

Collection Date/Time

April 18, 2024 2:05 pm

Date Received

04/24/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	0.971	6.96	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 14:09	ER
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.88	7.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 14:09	ER
375-22-4	Perfluoro-n-butanoic acid (PFBA)	10.8		ng/L	0.302	7.33	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 14:09	ER
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	ND		ng/L	0.458	3.26	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/29/2024 13:32	04/30/2024 14:09	ER
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	1.96	3.67	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/29/2024 13:32	04/30/2024 14:09	ER
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND	UJ	PF-LCS -L ng/L	0.229	3.67	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/29/2024 13:32	04/30/2024 14:09	ER
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.339	3.67	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/29/2024 13:32	04/30/2024 14:09	ER
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	0.963	J	ng/L	0.696	1.72	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 14:09	ER
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.64	6.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 14:09	ER
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	2.96	7.33	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 14:09	ER
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.26	6.93	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 14:09	ER
756426-58-1	9CL-PF3ONS	ND		ng/L	0.641	6.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 14:09	ER
919005-14-4	ADONA	ND		ng/L	0.486	6.93	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 14:09	ER
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.852	1.78	1	EPA 1633 Draft 3 Certifications:	04/29/2024 13:32	04/30/2024 14:09	ER
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.788	1.76	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/29/2024 13:32	04/30/2024 14:09	ER
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND	PF-CC V-L	ng/L	1.86	4.58	1	EPA 1633 Draft 3 Certifications:	04/29/2024 13:32	04/30/2024 14:09	ER
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND	PF-CC V-L	ng/L	6.72	22.9	1	EPA 1633 Draft 3 Certifications:	04/29/2024 13:32	04/30/2024 14:09	ER
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	8.68	22.9	1	EPA 1633 Draft 3 Certifications:	04/29/2024 13:32	04/30/2024 14:09	ER
24448-09-7	* N-MeFOSE	ND		ng/L	3.66	18.3	1	EPA 1633 Draft 3 Certifications:	04/29/2024 13:32	04/30/2024 14:09	ER
31506-32-8	* N-MeFOSA	ND		ng/L	1.45	1.83	1	EPA 1633 Draft 3 Certifications:	04/29/2024 13:32	04/30/2024 14:09	ER
1691-99-2	* N-EtFOSE	ND	UJ	ng/L	3.66	18.3	1	EPA 1633 Draft 3 Certifications:	04/29/2024 13:32	04/30/2024 14:09	ER
4151-50-2	* N-EtFOSA	ND		ng/L	1.65	1.83	1	EPA 1633 Draft 3 Certifications:	04/29/2024 13:32	04/30/2024 14:09	ER

Surrogate Recoveries

Result

Acceptance Range

Surrogate: M3PFBS

95.8 %

25-150



Sample Information

Client Sample ID: MW-104_4.18.24

York Sample ID: 24D1533-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1533

NEW6313. RA 350-352 Liberty Street

Ground Water

April 18, 2024 2:05 pm

04/24/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M5PFHxA	93.4 %			25-150						
	Surrogate: M4PFHpA	151 %	PFSu-H		25-150						
	Surrogate: M3PFHxS	94.8 %			25-150						
	Surrogate: Perfluoro-n-[13C8]octanoic aci	92.6 %			25-150						
	Surrogate: M6PFDA	88.3 %			25-150						
	Surrogate: M7PFUdA	82.8 %			25-150						
	Surrogate: Perfluoro-n-[1,2-13C2]dodecan	60.7 %			25-150						
	Surrogate: M2PFTeDA	73.3 %			10-150						
	Surrogate: Perfluoro-n-[13C4]butanoic aci	56.7 %			25-150						
	Surrogate: Perfluoro-1-[13C8]octanesulfon	91.1 %			25-150						
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	98.6 %			25-150						
	Surrogate: Perfluoro-1-[13C8]octanesulfon	59.7 %			10-150						
	Surrogate: d3-N-MeFOSAA	59.8 %			25-150						
	Surrogate: d5-N-EtFOSAA	64.6 %			25-150						
	Surrogate: M2-6:2 FTS	153 %			25-200						
	Surrogate: M2-8:2 FTS	78.4 %			25-200						
	Surrogate: M9PFNA	86.1 %			25-150						
	Surrogate: M2-4:2 FTS	223 %	PFSu-H		25-150						
	Surrogate: d-N-MeFOSA	28.4 %			25-150						
	Surrogate: d-N-EtFOSA	23.6 %	PFSu-L		25-150						
	Surrogate: M3HFPO-DA	54.9 %			25-150						
	Surrogate: d9-N-EtFOSE	55.0 %			25-150						
	Surrogate: d7-N-MeFOSE	61.6 %			25-150						

Sample Information

Client Sample ID: DUP

York Sample ID: 24D1533-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1533

NEW6313. RA 350-352 Liberty Street

Ground Water

April 18, 2024 3:00 pm

04/24/2024

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270E SIM	04/25/2024 08:06	04/26/2024 18:26	SS
							Certifications: NJDEP-CT005,NELAC-NY10854			
	Surrogate Recoveries	Result		Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	51.4 %		36.6-118						



Sample Information

Client Sample ID: DUP

York Sample ID: 24D1533-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D1533

NEW6313. RA 350-352 Liberty Street

Ground Water

April 18, 2024 3:00 pm

04/24/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	28.5		ng/L	0.461	1.73	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:31	ER
307-24-4	Perfluorohexanoic acid (PFHxA)	19.6		ng/L	0.343	1.96	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:31	ER
375-85-9	Perfluoroheptanoic acid (PFHpA)	6.45		PF-CC ng/L V-L	0.696	1.96	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:31	ER
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	5.71		ng/L	0.666	1.79	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:31	ER
335-67-1	Perfluorooctanoic acid (PFOA)	29.4	J	ng/L	0.412	1.96	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:31	ER
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	10.1	J	ng/L	0.803	1.82	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:31	ER
375-95-1	Perfluorononanoic acid (PFNA)	2.19	J	ng/L	0.510	1.96	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:31	ER
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.735	1.96	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:31	ER
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.11	1.96	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:31	ER
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.862	1.96	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:31	ER
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	ND		ng/L	0.725	1.96	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:31	ER
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.676	1.96	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:31	ER
2355-31-9	N-MeFOSAA	ND		ng/L	0.774	1.96	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:31	ER
2991-50-6	N-EtFOSAA	ND		ng/L	1.01	1.96	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:31	ER
2706-90-3	Perfluoropentanoic acid (PFPeA)	15.9		ng/L	0.225	3.92	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:31	ER
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.862	1.96	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:31	ER
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.892	1.87	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:31	ER
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.29	1.89	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:31	ER
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	1.04	7.45	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:31	ER
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.01	7.52	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:31	ER
375-22-4	Perfluoro-n-butanoic acid (PFBA)	10.5		ng/L	0.323	7.84	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:31	ER
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	0.490	3.49	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/29/2024 13:32	04/30/2024 15:31	ER
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	2.10	3.92	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/29/2024 13:32	04/30/2024 15:31	ER
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND	UJ	ng/L	0.245	3.92	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/29/2024 13:32	04/30/2024 15:31	ER



Sample Information

<u>Client Sample ID:</u> DUP			<u>York Sample ID:</u> 24D1533-02	
<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
24D1533	NEW6313. RA 350-352 Liberty Street	Ground Water	April 18, 2024 3:00 pm	04/24/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.363	3.92	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/29/2024 13:32	04/30/2024 15:31	ER
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	1.23	J	ng/L	0.745	1.84	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:31	ER
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.75	7.35	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:31	ER
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.16	7.84	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:31	ER
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.35	7.41	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:31	ER
756426-58-1	9CL-PF3ONS	ND		ng/L	0.686	7.33	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:31	ER
919005-14-4	ADONA	ND		ng/L	0.519	7.41	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:31	ER
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.911	1.90	1	EPA 1633 Draft 3 Certifications:	04/29/2024 13:32	04/30/2024 15:31	ER
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.843	1.88	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:31	ER
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND	PF-CC V-L	ng/L	1.99	4.90	1	EPA 1633 Draft 3 Certifications:	04/29/2024 13:32	04/30/2024 15:31	ER
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND	PF-CC V-L	ng/L	7.18	24.5	1	EPA 1633 Draft 3 Certifications:	04/29/2024 13:32	04/30/2024 15:31	ER
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	9.28	24.5	1	EPA 1633 Draft 3 Certifications:	04/29/2024 13:32	04/30/2024 15:31	ER
24448-09-7	* N-MeFOSE	ND		ng/L	3.91	19.6	1	EPA 1633 Draft 3 Certifications:	04/29/2024 13:32	04/30/2024 15:31	ER
31506-32-8	* N-MeFOSA	ND	UJ	ng/L	1.55	1.96	1	EPA 1633 Draft 3 Certifications:	04/29/2024 13:32	04/30/2024 15:31	ER
1691-99-2	* N-EtFOSE	ND		ng/L	3.91	19.6	1	EPA 1633 Draft 3 Certifications:	04/29/2024 13:32	04/30/2024 15:31	ER
4151-50-2	* N-EtFOSA	ND	UJ	ng/L	1.76	1.96	1	EPA 1633 Draft 3 Certifications:	04/29/2024 13:32	04/30/2024 15:31	ER
Surrogate Recoveries		Result	Acceptance Range								
Surrogate: M3PFBS		109 %	25-150								
Surrogate: M5PFHxA		88.6 %	25-150								
Surrogate: M4PFHpA		135 %	25-150								
Surrogate: M3PFHxS		101 %	25-150								
Surrogate: Perfluoro-n-[13C8]octanoic acid		71.6 %	25-150								
Surrogate: M6PFDA		85.3 %	25-150								
Surrogate: M7PFUdA		84.7 %	25-150								
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid		56.6 %	25-150								
Surrogate: M2PFTeDA		52.8 %	10-150								
Surrogate: Perfluoro-n-[13C4]butanoic acid		52.6 %	25-150								
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid		91.4 %	25-150								



Sample Information

<u>Client Sample ID:</u> DUP			<u>York Sample ID:</u>	24D1533-02
<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
24D1533	NEW6313. RA 350-352 Liberty Street	Ground Water	April 18, 2024 3:00 pm	04/24/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	94.3 %			25-150						
	Surrogate: Perfluoro-1-[13C8]octanesulfon	60.1 %			10-150						
	Surrogate: d3-N-MeFOSAA	52.2 %			25-150						
	Surrogate: d5-N-EtFOSAA	51.0 %			25-150						
	Surrogate: M2-6:2 FTS	115 %			25-200						
	Surrogate: M2-8:2 FTS	89.7 %			25-200						
	Surrogate: M9PFNA	87.6 %			25-150						
	Surrogate: M2-4:2 FTS	217 %	PFSu-H		25-150						
	Surrogate: d-N-MeFOSA	14.8 %	PFSu-L		25-150						
	Surrogate: d-N-EtFOSA	10.8 %	PFSu-L		25-150						
	Surrogate: M3HFPO-DA	38.7 %			25-150						
	Surrogate: d9-N-EtFOSE	26.6 %			25-150						
	Surrogate: d7-N-MeFOSE	35.0 %			25-150						

Sample Information

<u>Client Sample ID:</u> Equipment Blank		<u>York Sample ID:</u> 24D1533-03		
<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
24D1533	NEW6313. RA 350-352 Liberty Street	Ground Water	April 18, 2024 5:30 pm	04/24/2024

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270E SIM	04/25/2024 08:06	04/26/2024 18:43	SS
							Certifications: NJDEP-CT005,NELAC-NY10854			
	Surrogate Recoveries	Result		Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	48.3 %		36.6-118						

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	0.470	1.77	1	EPA 1633 Draft 3	04/29/2024 13:32	04/30/2024 15:47	ER
								Certifications: NELAC-NY12058,NJDEP-NY037			
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ng/L	0.350	2.00	1	EPA 1633 Draft 3	04/29/2024 13:32	04/30/2024 15:47	ER
								Certifications: NELAC-NY12058,NJDEP-NY037			
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND	PF-CC	ng/L	0.709	2.00	1	EPA 1633 Draft 3	04/29/2024 13:32	04/30/2024 15:47	ER
			V-L					Certifications: NELAC-NY12058,NJDEP-NY037			
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	0.679	1.83	1	EPA 1633 Draft 3	04/29/2024 13:32	04/30/2024 15:47	ER
								Certifications: NELAC-NY12058,NJDEP-NY037			



Sample Information

Client Sample ID: Equipment Blank

York Sample ID: 24D1533-03

York Project (SDG) No.

24D1533

Client Project ID

NEW6313. RA 350-352 Liberty Street

Matrix

Ground Water

Collection Date/Time

April 18, 2024 5:30 pm

Date Received

04/24/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	0.420	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:47	ER	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.856	J	ng/L	0.819	1.86	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:47	ER	
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.519	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:47	ER	
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.749	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:47	ER	
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.13	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:47	ER	
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.879	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:47	ER	
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.739	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:47	ER	
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.689	2.00	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:47	ER	
2355-31-9	N-MeFOSAA	ND		ng/L	0.789	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:47	ER	
2991-50-6	N-EtFOSAA	ND		ng/L	1.03	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:47	ER	
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.263	J	J	ng/L	0.230	4.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:47	ER
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.879	2.00	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:47	ER	
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.909	1.91	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:47	ER	
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.32	1.93	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:47	ER	
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	1.06	7.59	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:47	ER	
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.05	7.67	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:47	ER	
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND	R	ng/L	0.330	7.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:47	ER	
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	0.500	3.56	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/29/2024 13:32	04/30/2024 15:47	ER	
151772-58-6	Perfluoro-3,6-dioxahheptanoic acid (NFDHA)	ND		ng/L	2.14	4.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/29/2024 13:32	04/30/2024 15:47	ER	
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND	UJ	ng/L	0.250	4.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/29/2024 13:32	04/30/2024 15:47	ER	
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.370	4.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/29/2024 13:32	04/30/2024 15:47	ER	
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.759	1.88	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:47	ER	
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.79	7.49	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:47	ER	



Sample Information

<u>Client Sample ID:</u> Equipment Blank			<u>York Sample ID:</u>	24D1533-03
<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
24D1533	NEW6313. RA 350-352 Liberty Street	Ground Water	April 18, 2024 5:30 pm	04/24/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.23	7.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:47	ER
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.38	7.55	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:47	ER
756426-58-1	9CL-PF3ONS	ND		ng/L	0.699	7.47	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:47	ER
919005-14-4	ADONA	ND		ng/L	0.529	7.55	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:47	ER
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.929	1.94	1	EPA 1633 Draft 3 Certifications:	04/29/2024 13:32	04/30/2024 15:47	ER
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.859	1.92	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/29/2024 13:32	04/30/2024 15:47	ER
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND	PF-CC V-L	ng/L	2.03	5.00	1	EPA 1633 Draft 3 Certifications:	04/29/2024 13:32	04/30/2024 15:47	ER
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND	PF-CC V-L	ng/L	7.32	25.0	1	EPA 1633 Draft 3 Certifications:	04/29/2024 13:32	04/30/2024 15:47	ER
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	9.46	25.0	1	EPA 1633 Draft 3 Certifications:	04/29/2024 13:32	04/30/2024 15:47	ER
24448-09-7	* N-MeFOSE	ND		ng/L	3.99	20.0	1	EPA 1633 Draft 3 Certifications:	04/29/2024 13:32	04/30/2024 15:47	ER
31506-32-8	* N-MeFOSA	ND	UJ	ng/L	1.58	2.00	1	EPA 1633 Draft 3 Certifications:	04/29/2024 13:32	04/30/2024 15:47	ER
1691-99-2	* N-EtFOSE	ND		ng/L	3.99	20.0	1	EPA 1633 Draft 3 Certifications:	04/29/2024 13:32	04/30/2024 15:47	ER
4151-50-2	* N-EtFOSA	ND		ng/L	1.80	2.00	1	EPA 1633 Draft 3 Certifications:	04/29/2024 13:32	04/30/2024 15:47	ER

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	53.4 %	25-150
Surrogate: M5PFHxA	59.8 %	25-150
Surrogate: M4PFHpA	105 %	25-150
Surrogate: M3PFHxS	71.8 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic acid	61.5 %	25-150
Surrogate: M6PFDA	64.7 %	25-150
Surrogate: M7PFUdA	66.2 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid	48.2 %	25-150
Surrogate: M2PFTeDA	50.5 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic acid	2.97 %	PFSu-L 25-150
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid	82.2 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic acid	23.0 %	PFSu-L 25-150
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid	55.3 %	10-150
Surrogate: d3-N-MeFOSAA	56.1 %	25-150
Surrogate: d5-N-EtFOSAA	54.2 %	25-150
Surrogate: M2-6:2 FTS	93.8 %	25-200
Surrogate: M2-8:2 FTS	70.2 %	25-200



Sample Information

Client Sample ID: Equipment Blank

York Sample ID: 24D1533-03

York Project (SDG) No.

24D1533

Client Project ID

NEW6313. RA 350-352 Liberty Street

Matrix

Ground Water

Collection Date/Time

April 18, 2024 5:30 pm

Date Received

04/24/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M9PFNA	75.2 %			25-150						
	Surrogate: M2-4:2 FTS	60.7 %			25-150						
	Surrogate: d-N-MeFOSA	21.9 %	PFSu-L		25-150						
	Surrogate: d-N-EtFOSA	31.8 %			25-150						
	Surrogate: M3HFPO-DA	28.7 %			25-150						
	Surrogate: d9-N-EtFOSE	36.1 %			25-150						
	Surrogate: d7-N-MeFOSE	39.4 %			25-150						

Sample Information

Client Sample ID: Field Blank

York Sample ID: 24D1533-04

York Project (SDG) No.

24D1533

Client Project ID

NEW6313. RA 350-352 Liberty Street

Matrix

Ground Water

Collection Date/Time

April 18, 2024 5:30 pm

Date Received

04/24/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	0.472	1.78	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 16:03	ER
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ng/L	0.352	2.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 16:03	ER
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND	PF-CC V-L	ng/L	0.713	2.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 16:03	ER
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	0.683	1.84	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 16:03	ER
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	0.422	2.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 16:03	ER
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	0.824	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 16:03	ER
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.522	2.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 16:03	ER
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.753	2.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 16:03	ER
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.13	2.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 16:03	ER
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.884	2.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 16:03	ER
72629-94-8	Perfluorotridecanoic acid (PFTriDA)	ND		ng/L	0.743	2.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 16:03	ER
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.693	2.01	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/29/2024 13:32	04/30/2024 16:03	ER
2355-31-9	N-MeFOSAA	ND		ng/L	0.793	2.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 16:03	ER



Sample Information

Client Sample ID: Field Blank

York Sample ID: 24D1533-04

York Project (SDG) No.

24D1533

Client Project ID

NEW6313. RA 350-352 Liberty Street

Matrix

Ground Water

Collection Date/Time

April 18, 2024 5:30 pm

Date Received

04/24/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2991-50-6	N-EtFOSAA	ND		ng/L	1.03	2.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 16:03	ER
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ng/L	0.231	4.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 16:03	ER
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.884	2.01	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/29/2024 13:32	04/30/2024 16:03	ER
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.914	1.92	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/29/2024 13:32	04/30/2024 16:03	ER
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.33	1.94	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/29/2024 13:32	04/30/2024 16:03	ER
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	1.06	7.63	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 16:03	ER
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.06	7.71	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 16:03	ER
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND	R	ng/L	0.331	8.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 16:03	ER
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.502	3.58	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/29/2024 13:32	04/30/2024 16:03	ER
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	2.15	4.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/29/2024 13:32	04/30/2024 16:03	ER
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND	UJ	ng/L	0.251	4.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/29/2024 13:32	04/30/2024 16:03	ER
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.372	4.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	04/29/2024 13:32	04/30/2024 16:03	ER
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.763	1.89	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 16:03	ER
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.80	7.53	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 16:03	ER
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.24	8.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 16:03	ER
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.39	7.59	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 16:03	ER
756426-58-1	9CL-PF3ONS	ND		ng/L	0.703	7.51	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 16:03	ER
919005-14-4	ADONA	ND		ng/L	0.532	7.59	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	04/29/2024 13:32	04/30/2024 16:03	ER
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.934	1.95	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/29/2024 13:32	04/30/2024 16:03	ER
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.864	1.93	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/29/2024 13:32	04/30/2024 16:03	ER
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND	PF-CC V-L	ng/L	2.04	5.02	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/29/2024 13:32	04/30/2024 16:03	ER
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND	PF-CC V-L	ng/L	7.36	25.1	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/29/2024 13:32	04/30/2024 16:03	ER
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	9.51	25.1	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	04/29/2024 13:32	04/30/2024 16:03	ER



Sample Information

<u>Client Sample ID:</u> Field Blank			<u>York Sample ID:</u>	24D1533-04
<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
24D1533	NEW6313. RA 350-352 Liberty Street	Ground Water	April 18, 2024 5:30 pm	04/24/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
24448-09-7	* N-MeFOSE	ND		ng/L	4.01	20.1	1	EPA 1633 Draft 3	04/29/2024 13:32	04/30/2024 16:03	ER
							Certifications:				
31506-32-8	* N-MeFOSA	ND		ng/L	1.59	2.01	1	EPA 1633 Draft 3	04/29/2024 13:32	04/30/2024 16:03	ER
							Certifications:				
1691-99-2	* N-EtFOSE	ND		ng/L	4.01	20.1	1	EPA 1633 Draft 3	04/29/2024 13:32	04/30/2024 16:03	ER
							Certifications:				
4151-50-2	* N-EtFOSA	ND		ng/L	1.81	2.01	1	EPA 1633 Draft 3	04/29/2024 13:32	04/30/2024 16:03	ER
							Certifications:				
	Surrogate Recoveries	Result		Acceptance Range							
	Surrogate: M3PFBS	80.0 %		25-150							
	Surrogate: M5PFHxA	82.6 %		25-150							
	Surrogate: M4PFHpA	136 %		25-150							
	Surrogate: M3PFHxS	98.8 %		25-150							
	Surrogate: Perfluoro-n-[13C8]octanoic aci	72.1 %		25-150							
	Surrogate: M6PFDA	83.2 %		25-150							
	Surrogate: M7PFUdA	84.9 %		25-150							
	Surrogate: Perfluoro-n-[1,2-13C2]dodecan	72.7 %		25-150							
	Surrogate: M2PFTeDA	87.4 %		10-150							
	Surrogate: Perfluoro-n-[13C4]butanoic aci	2.65 %	PFSu-L	25-150							
	Surrogate: Perfluoro-1-[13C8]octanesulfon	100 %		25-150							
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	34.2 %		25-150							
	Surrogate: Perfluoro-1-[13C8]octanesulfon	62.3 %		10-150							
	Surrogate: d3-N-MeFOSAA	67.3 %		25-150							
	Surrogate: d5-N-EtFOSAA	65.6 %		25-150							
	Surrogate: M2-6:2 FTS	122 %		25-200							
	Surrogate: M2-8:2 FTS	95.3 %		25-200							
	Surrogate: M9PFNA	89.8 %		25-150							
	Surrogate: M2-4:2 FTS	85.7 %		25-150							
	Surrogate: d-N-MeFOSA	33.8 %		25-150							
	Surrogate: d-N-EtFOSA	25.9 %		25-150							
	Surrogate: M3HFPO-DA	41.3 %		25-150							
	Surrogate: d9-N-EtFOSE	42.8 %		25-150							
	Surrogate: d7-N-MeFOSE	45.8 %		25-150							

1,4-Dioxane

Data Section



**QA/QC Review of Method 8270D SIM 1,4-Dioxane Data
for York Analytical Laboratories, Inc., SDG: 24D1533**

**1 Ground Water Sample, 1 Field Duplicate,
and 1 Equipment Blank
Collected April 18, 2024**

Prepared by: Donald Anné
January 7, 2025

Geology

Hydrology

Remediation

Water Supply

Holding Times: Samples were extracted and analyzed within USEPA SW-846 holding times.

GC/MS Tuning and Mass Calibration: The DFTPP tuning criteria were within control limits.

Initial Calibration: The average RRF for 1,4-dioxane was above the allowable minimum (0.010) and the %RSD was below the allowable maximum (30%), as required.

Continuing Calibration: The RRFs for 1,4-dioxane were above the allowable minimum (0.010) and the %Ds were below the allowable maximum (20%), as required.

Blanks: The analyses of the method and equipment blanks reported 1,4-dioxane as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits for reported soil samples.

Surrogate Recovery: The surrogate recoveries were within QC limits for the ground water samples and equipment blank.

Matrix Spike/Matrix Spike Duplicate: The relative percent difference for 1,4-dioxane was below the allowable maximum and the percent recoveries were within QC limits for aqueous MS/MSD sample MW-104 4.18.24.

Laboratory Control Sample: The percent recovery for 1,4-dioxane was within QC limits for aqueous sample BD41916-BS1.

Field Duplicates: The analyses of aqueous field duplicate pair MW-104 4.18.24/DUP reported 1,4-dioxane as not detected; therefore, a valid relative percent difference could not be calculated. The analyses for the field duplicate pair were acceptable.

Compound ID: Checked surrogate results were within quantitation limits. The analyses of the ground water samples reported 1,4-dioxane as not detected.

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PFAS

Data Section



Geology

Hydrology

Remediation

Water Supply

**QA/QC Review of Method 1633 PFAS Data for
York Analytical Laboratories, Inc., SDG: 24D1533**

**1 Ground Water Sample, 1 Field Duplicate,
1 Equipment Blank, and 1 Field Blank
Collected April 18, 2024**

Prepared by: Donald Anné
January 7, 2025

Holding Times: The samples were analyzed within USEPA holding times.

Initial Calibration (Internal Standard): The Quad CODs for 8:2 FTS, 4:2 FTS, and 6:2 FTS were below the allowable minimum (0.995) for LCQQQ on 04-12-24. Positive results for these PFAS should be considered estimated (J) in associated samples.

Continuing Calibration: The %D for N-EtFOSA was above the allowable maximum (30%) on 04-30-24 (QQQ38412.d). Positive results for N-EtFOSA should be considered estimated (J) in associated samples.

Blanks: Method blank BD42169-BLK1 contained a trace of PFBA (0.887 ng/L). Equipment Blank contained traces of PFOS (0.856 ng/L) and PFPeA (0.263 ng/L). Positive results for these PFAS that are below the reporting limit (RL) should be reported as not detected (U) at the reporting limit in associated samples. Positive results for these PFAS that are above the RL and less than ten times the highest blank level should be considered estimated, biased high (J+) in associated samples.

Internal Standard Area Summary: The internal standard retention times were within control limits.

Surrogate Recovery: Two of twenty-four surrogate recoveries for sample MW-104 4.18.24 were above QC limits. One of twenty-four surrogate recoveries for sample DUP was above QC limits. Positive results associated with the surrogate below QC limits should be considered estimated (J) in the samples.

Two of twenty-four surrogate recoveries for samples DUP and Equipment Blank were below QC limits, but not below 10%. One of twenty-four surrogate recoveries for sample MW-104 4.18.24 was below QC limits, but not below 10%. Positive and “not detected” results associated with the surrogate below QC limits should be considered estimated (J or UJ) in the samples.

One of twenty-four surrogate recoveries for samples Equipment Blank and Field Blank was below QC limits and below 10%. Positive results associated with the surrogate below QC limits should be considered estimated (J) and “not detected” results rejected, unusable (R) in the samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences for target PFAS were below the allowable maximum, but 2 of 2 percent recoveries (%Rs) for 9CL-PF3ONS and ADONA and 1 of 2 %Rs for 11CL-PF3OUdS were above QC limits for aqueous MS/MSD sample MW-104 4.18.24. Sample MW-104 4.18.24 reported this PFAS as “not detected”; therefore, no action is taken.

Laboratory Control Sample: The percent recoveries for PFMPA were below QC limits, but not below 30% for aqueous samples BD42169-BS1 and BD42169-BS2. Positive results for PFMPA should be considered estimated, biased low (J-) and “not detected” results estimated (UJ) in associated aqueous samples.

Field Duplicates: The relative percent differences for PFOS, PFOA, and PFNA were above the allowable maximum (20%) for aqueous field duplicate pair MW-104 4.18.24/DUP (attached table). Positive results for PFOS, PFOA, and PFNA should be considered estimated in samples MW-104 4.18.24 and DUP.

Compound ID: Checked PFAS and surrogate results were within LC quantitation limits.

FORM II

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 1633 Draft 3

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24D1533Client: HRP Associates, Inc.Project: NEW6313. RA 350-352 Liberty StreetSequence: S4D3051Instrument: LCQQQCalibration: SD40022

Surrogate Compound	Spike Level ng/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
MW-104 4.18.24 (24D1533-01) Lab File ID: QQQ38424.d Analyzed: 04/30/24 14:09								
M3PFBS	21.3	95.8	25 - 150	5.1503	5.120317	0.0300	+/-1.00	
M5PFHxA	22.9	93.4	25 - 150	5.963767	5.912971	0.0508	+/-1.00	
M4PFHpA	22.9	151	25 - 150	6.7982	6.691233	0.1070	+/-1.00	*
M3PFHxS	21.7	94.8	25 - 150	6.908283	6.793927	0.1144	+/-1.00	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	22.9	92.6	25 - 150	7.50165	7.349544	0.1521	+/-1.00	
M6PFDA	11.5	88.3	25 - 150	8.633516	8.473398	0.1601	+/-1.00	
M7PFUDa	11.5	82.8	25 - 150	9.069117	8.938746	0.1304	+/-1.00	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	11.5	60.7	25 - 150	9.4571	9.34359	0.1135	+/-1.00	
M2PFTeDA	11.5	73.3	10 - 150	10.10117	10.02743	0.0737	+/-1.00	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	91.6	56.7	25 - 150	1.168083	1.163498	0.0046	+/-1.00	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	21.9	91.1	25 - 150	8.1504	7.984498	0.1659	+/-1.00	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	45.8	98.6	25 - 150	4.366333	4.34566	0.0207	+/-1.00	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	22.9	59.7	10 - 150	9.082566	8.940413	0.1422	+/-1.00	
d3-N-MeFOSAA	45.8	59.8	25 - 150	8.82605	8.672683	0.1534	+/-1.00	
d5-N-EtFOSAA	45.8	64.6	25 - 150	9.049334	8.908492	0.1408	+/-1.00	
M2-6:2 FTS	43.6	153	25 - 200	7.435983	7.283108	0.1529	+/-1.00	
M2-8:2 FTS	44.0	78.4	25 - 200	8.595667	8.427277	0.1684	+/-1.00	
M9PFNA	11.5	86.1	25 - 150	8.114883	7.945244	0.1696	+/-1.00	
M2-4:2 FTS	43.0	223	25 - 150	5.88805	5.834669	0.0534	+/-1.00	*
d-N-MeFOSA	22.9	28.4	25 - 150	9.895933	9.813017	0.0829	+/-1.00	
d-N-EtFOSA	22.9	23.6	25 - 150	10.15343	10.09118	0.0623	+/-1.00	*
M3HFPO-DA	91.6	54.9	25 - 150	6.262866	6.1979	0.0650	+/-1.00	
d9-N-EtFOSE	229	55.0	25 - 150	10.10382	10.04041	0.0634	+/-1.00	
d7-N-MeFOSE	229	61.6	25 - 150	9.864583	9.771829	0.0928	+/-1.00	

FORM II

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 1633 Draft 3

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24D1533Client: HRP Associates, Inc.Project: NEW6313. RA 350-352 Liberty StreetSequence: S4D3051Instrument: LCQQQCalibration: SD40022

Surrogate Compound	Spike Level ng/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
DUP (24D1533-02) Lab File ID: QQQ38429.d Analyzed: 04/30/24 15:31								
M3PFBS	22.8	109	25 - 150	5.159517	5.120317	0.0392	+/-1.00	
M5PFHxA	24.5	88.6	25 - 150	5.98225	5.912971	0.0693	+/-1.00	
M4PFHpA	24.5	135	25 - 150	6.816683	6.691233	0.1255	+/-1.00	
M3PFHxS	23.2	101	25 - 150	6.9268	6.793927	0.1329	+/-1.00	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	24.5	71.6	25 - 150	7.510917	7.349544	0.1614	+/-1.00	
M6PFDA	12.2	85.3	25 - 150	8.633516	8.473398	0.1601	+/-1.00	
M7PFUdA	12.2	84.7	25 - 150	9.078383	8.938746	0.1396	+/-1.00	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	12.2	56.6	25 - 150	9.46635	9.34359	0.1228	+/-1.00	
M2PFTeDA	12.2	52.8	10 - 150	10.11038	10.02743	0.0829	+/-1.00	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	98.0	52.6	25 - 150	1.177267	1.163498	0.0138	+/-1.00	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	23.5	91.4	25 - 150	8.1504	7.984498	0.1659	+/-1.00	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	49.0	94.3	25 - 150	4.384717	4.34566	0.0391	+/-1.00	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	24.5	60.1	10 - 150	9.091833	8.940413	0.1514	+/-1.00	
d3-N-MeFOSAA	49.0	52.2	25 - 150	8.82605	8.672683	0.1534	+/-1.00	
d5-N-EtFOSAA	49.0	51.0	25 - 150	9.049334	8.908492	0.1408	+/-1.00	
M2-6:2 FTS	46.6	115	25 - 200	7.445267	7.283108	0.1622	+/-1.00	
M2-8:2 FTS	47.0	89.7	25 - 200	8.595667	8.427277	0.1684	+/-1.00	
M9PFNA	12.2	87.6	25 - 150	8.114883	7.945244	0.1696	+/-1.00	
M2-4:2 FTS	46.0	217	25 - 150	5.8973	5.834669	0.0626	+/-1.00	*
d-N-MeFOSA	24.5	14.8	25 - 150	9.905167	9.813017	0.0922	+/-1.00	*
d-N-EtFOSA	24.5	10.8	25 - 150	10.15343	10.09118	0.0623	+/-1.00	*
M3HFPO-DA	98.0	38.7	25 - 150	6.281517	6.1979	0.0836	+/-1.00	
d9-N-EtFOSE	245	26.6	25 - 150	10.11303	10.04041	0.0726	+/-1.00	
d7-N-MeFOSE	245	35.0	25 - 150	9.864583	9.771829	0.0928	+/-1.00	

FORM II

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 1633 Draft 3

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24D1533Client: HRP Associates, Inc.Project: NEW6313. RA 350-352 Liberty StreetSequence: S4D3051Instrument: LCQQQCalibration: SD40022

Surrogate Compound	Spike Level ng/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Equipment Blank (24D1533-03)								
Lab File ID: QQQ38430.d				Analyzed: 04/30/24 15:47				
M3PFBS	23.3	53.4	25 - 150	5.16875	5.120317	0.0484	+/-1.00	
M5PFHxA	25.0	59.8	25 - 150	5.973	5.912971	0.0600	+/-1.00	
M4PFHpA	25.0	105	25 - 150	6.80745	6.691233	0.1162	+/-1.00	
M3PFHxS	23.7	71.8	25 - 150	6.917533	6.793927	0.1236	+/-1.00	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	25.0	61.5	25 - 150	7.510917	7.349544	0.1614	+/-1.00	
M6PFDA	12.5	64.7	25 - 150	8.6428	8.473398	0.1694	+/-1.00	
M7PFUDa	12.5	66.2	25 - 150	9.078383	8.938746	0.1396	+/-1.00	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	12.5	48.2	25 - 150	9.46635	9.34359	0.1228	+/-1.00	
M2PFTeDA	12.5	50.5	10 - 150	10.1104	10.02743	0.0830	+/-1.00	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	99.9	2.97	25 - 150	1.2048	1.163498	0.0413	+/-1.00	*
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	23.9	82.2	25 - 150	8.160267	7.984498	0.1758	+/-1.00	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	50.0	23.0	25 - 150	4.4031	4.34566	0.0574	+/-1.00	*
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	25.0	55.3	10 - 150	9.082566	8.940413	0.1422	+/-1.00	
d3-N-MeFOSAA	50.0	56.1	25 - 150	8.835333	8.672683	0.1627	+/-1.00	
d5-N-EtFOSAA	50.0	54.2	25 - 150	9.05885	8.908492	0.1504	+/-1.00	
M2-6:2 FTS	47.5	93.8	25 - 200	7.435983	7.283108	0.1529	+/-1.00	
M2-8:2 FTS	48.0	70.2	25 - 200	8.604934	8.427277	0.1777	+/-1.00	
M9PFNA	12.5	75.2	25 - 150	8.114883	7.945244	0.1696	+/-1.00	
M2-4:2 FTS	46.9	60.7	25 - 150	5.8973	5.834669	0.0626	+/-1.00	
d-N-MeFOSA	25.0	21.9	25 - 150	9.905167	9.813017	0.0922	+/-1.00	*
d-N-EtFOSA	25.0	31.8	25 - 150	10.15343	10.09118	0.0623	+/-1.00	
M3HFPO-DA	99.9	28.7	25 - 150	6.272117	6.1979	0.0742	+/-1.00	
d9-N-EtFOSE	250	36.1	25 - 150	10.11303	10.04041	0.0726	+/-1.00	
d7-N-MeFOSE	250	39.4	25 - 150	9.864583	9.771829	0.0928	+/-1.00	

FORM II

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 1633 Draft 3

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24D1533Client: HRP Associates, Inc.Project: NEW6313. RA 350-352 Liberty StreetSequence: S4D3051Instrument: LCQQQCalibration: SD40022

Surrogate Compound	Spike Level ng/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Field Blank (24D1533-04) Lab File ID: QQQ38431.d Analyzed: 04/30/24 16:03								
M3PFBS	23.4	80.0	25 - 150	5.159517	5.120317	0.0392	+/-1.00	
M5PFHxA	25.1	82.6	25 - 150	5.973	5.912971	0.0600	+/-1.00	
M4PFHpA	25.1	136	25 - 150	6.7982	6.691233	0.1070	+/-1.00	
M3PFHxS	23.8	98.8	25 - 150	6.908283	6.793927	0.1144	+/-1.00	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	25.1	72.1	25 - 150	7.50165	7.349544	0.1521	+/-1.00	
M6PFDA	12.6	83.2	25 - 150	8.6428	8.473398	0.1694	+/-1.00	
M7PFUDa	12.6	84.9	25 - 150	9.078383	8.938746	0.1396	+/-1.00	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	12.6	72.7	25 - 150	9.4571	9.34359	0.1135	+/-1.00	
M2PFTeDA	12.6	87.4	10 - 150	10.10117	10.02743	0.0737	+/-1.00	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	100	2.65	25 - 150	1.168083	1.163498	0.0046	+/-1.00	*
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	24.1	100	25 - 150	8.1504	7.984498	0.1659	+/-1.00	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	50.2	34.2	25 - 150	4.375533	4.34566	0.0299	+/-1.00	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	25.1	62.3	10 - 150	9.082583	8.940413	0.1422	+/-1.00	
d3-N-MeFOSAA	50.2	67.3	25 - 150	8.82605	8.672683	0.1534	+/-1.00	
d5-N-EtFOSAA	50.2	65.6	25 - 150	9.049334	8.908492	0.1408	+/-1.00	
M2-6:2 FTS	47.8	122	25 - 200	7.435983	7.283108	0.1529	+/-1.00	
M2-8:2 FTS	48.2	95.3	25 - 200	8.595667	8.427277	0.1684	+/-1.00	
M9PFNA	12.6	89.8	25 - 150	8.114883	7.945244	0.1696	+/-1.00	
M2-4:2 FTS	47.1	85.7	25 - 150	5.88805	5.834669	0.0534	+/-1.00	
d-N-MeFOSA	25.1	33.8	25 - 150	9.895933	9.813017	0.0829	+/-1.00	
d-N-EtFOSA	25.1	25.9	25 - 150	10.15343	10.09118	0.0623	+/-1.00	
M3HFPO-DA	100	41.3	25 - 150	6.262866	6.1979	0.0650	+/-1.00	
d9-N-EtFOSE	251	42.8	25 - 150	10.11303	10.04041	0.0726	+/-1.00	
d7-N-MeFOSE	251	45.8	25 - 150	9.864583	9.771829	0.0928	+/-1.00	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

MW-104 4.18.24

EPA 1633 Draft 3

Laboratory: York Analytical Laboratories, Inc. - Stratford

SDG: 24D1533

Client: HRP Associates, Inc.

Project: NEW6313. RA 350-352 Liberty Street

Matrix: Water

Batch: BD42169

Laboratory ID: BD42169-MS1

Preparation: EPA 1633 Prep

Initial/Final: 503.8 mL / 5 mL

Source Sample Name: MW-104 4.18.24

COMPOUND	SPIKE ADDED (ng/L)	SAMPLE CONCENTRATION (ng/L)	MS CONCENTRATION (ng/L)	MS % REC. #	QC LIMITS REC.
11CL-PF3OUdS	75.0	ND	100	134	25 - 150
1H,1H,2H,2H-Perfluorodecanesu lfonic acid (8:2 FTS)	152	ND	151	99.2	25 - 150
1H,1H,2H,2H-Perfluorohexanesu lfonic acid (4:2 FTS)	149	ND	145	97.5	25 - 150
1H,1H,2H,2H-Perfluorooctanesu lfonic acid (6:2 FTS)	151	ND	160	106	25 - 150
3-Perfluoroheptyl propanoic acid (FHpPA)	794	ND	698	87.9	25 - 150
3-Perfluoropentyl propanoic acid (FPePA)	794	ND	446	56.2	25 - 150
3-Perfluoropropyl propanoic acid (FPrPA)	159	ND	77.1	48.5	25 - 150
9CL-PF3ONS	74.2	ND	129	173 *	25 - 150
ADONA	75.0	ND	148	197 *	25 - 150
HFPO-DA (Gen-X)	79.4	ND	89.3	112	25 - 150
N-EtFOSA	39.7	ND	29.8	75.1	25 - 150
N-EtFOSAA	39.7	ND	39.0	98.2	25 - 150
N-EtFOSE	397	ND	363	91.4	25 - 150
N-MeFOSA	39.7	ND	35.6	89.8	25 - 150
N-MeFOSAA	39.7	ND	43.5	110	25 - 150
N-MeFOSE	397	ND	326	82.2	25 - 150
Perfluoro(2-ethoxyethane)sulfoni c acid (PFEESA)	70.7	ND	71.3	101	25 - 150
Perfluoro-1-decanesulfonic acid (PFDS)	38.3	ND	31.7	82.9	25 - 150
Perfluoro-1-heptanesulfonic acid (PFHpS)	37.9	ND	35.1	92.6	25 - 150
Perfluoro-1-nonanesulfonic acid (PFNS)	38.1	ND	31.5	82.7	25 - 150
Perfluoro-1-octanesulfonamide (FOSA)	39.7	ND	41.4	104	25 - 150
Perfluoro-1-pentanesulfonate (PFPeS)	37.3	0.963	36.3	94.6	25 - 150
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	79.4	ND	60.0	75.5	25 - 150

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

MW-104 4.18.24

EPA 1633 Draft 3

Laboratory: York Analytical Laboratories, Inc. - Stratford

SDG: 24D1533

Client: HRP Associates, Inc.

Project: NEW6313. RA 350-352 Liberty Street

Matrix: Water

Batch: BD42169

Laboratory ID: BD42169-MS1

Preparation: EPA 1633 Prep

Initial/Final: 503.8 mL / 5 mL

Source Sample Name: MW-104 4.18.24

COMPOUND	SPIKE ADDED (ng/L)	SAMPLE CONCENTRATION (ng/L)	MS CONCENTRATION (ng/L)	MS % REC. #	QC LIMITS REC.
Perfluoro-4-oxapentanoic acid (PFMPA)	79.4	ND	76.4	96.2	25 - 150
Perfluoro-5-oxahexanoic acid (PFMBA)	79.4	ND	72.3	91.0	25 - 150
Perfluorobutanesulfonic acid (PFBS)	35.1	29.4	62.3	93.6	25 - 150
Perfluorodecanoic acid (PFDA)	39.7	ND	44.7	113	25 - 150
Perfluorododecanesulfonic acid (PFDoS)	38.5	ND	28.0	72.6	25 - 150
Perfluorododecanoic acid (PFDoA)	39.7	ND	41.4	104	25 - 150
Perfluoroheptanoic acid (PFHpA)	39.7	6.85	31.8	62.8	25 - 150
Perfluorohexanesulfonic acid (PFHxS)	36.3	6.05	40.5	94.8	25 - 150
Perfluorohexanoic acid (PFHxA)	39.7	19.0	60.2	104	25 - 150
Perfluoro-n-butanoic acid (PFBA)	159	10.8	171	101	25 - 150
Perfluorononanoic acid (PFNA)	39.7	2.83	40.9	96.0	25 - 150
Perfluorooctanesulfonic acid (PFOS)	36.9	30.7	60.9	81.8	25 - 150
Perfluorooctanoic acid (PFOA)	39.7	24.8	69.9	114	25 - 150
Perfluoropentanoic acid (PFPeA)	79.4	16.1	92.1	95.7	25 - 150
Perfluorotetradecanoic acid (PFTA)	39.7	ND	33.7	84.9	25 - 150
Perfluorotridecanoic acid (PFTrDA)	39.7	ND	34.6	87.1	25 - 150
Perfluoroundecanoic acid (PFUnA)	39.7	ND	45.9	116	25 - 150

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

MW-104 4.18.24

EPA 1633 Draft 3

Laboratory: York Analytical Laboratories, Inc. - Stratford

SDG: 24D1533

Client: HRP Associates, Inc.

Project: NEW6313. RA 350-352 Liberty Street

Matrix: Water

Batch: BD42169

Laboratory ID: BD42169-MSD1

Preparation: EPA 1633 Prep

Initial/Final: 504.7 mL / 5 mL

Source Sample Name: MW-104 4.18.24

COMPOUND	SPIKE ADDED (ng/L)	MSD CONCENTRATION (ng/L)	MSD % REC. #	%	QC LIMITS	
					RPD	REC.
11CL-PF3OUdS	74.9	114	152 *	12.5	30	25 - 150
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	152	150	98.7	0.659	35	25 - 150
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	149	153	103	4.96	30	25 - 150
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	151	155	103	2.84	35	25 - 150
3-Perfluoroheptyl propanoic acid (FHpPA)	793	656	82.7	6.24	30	25 - 150
3-Perfluoropentyl propanoic acid (FPePA)	793	426	53.8	4.58	30	25 - 150
3-Perfluoropropyl propanoic acid (FPrPA)	159	68.9	43.4	11.2	30	25 - 150
9CL-PF3ONS	74.1	139	187 *	7.37	30	25 - 150
ADONA	74.9	154	206 *	4.51	30	25 - 150
HFPO-DA (Gen-X)	79.3	78.1	98.5	13.4	30	25 - 150
N-EtFOSA	39.6	36.8	92.8	20.8	30	25 - 150
N-EtFOSAA	39.6	39.7	100	1.92	35	25 - 150
N-EtFOSE	396	338	85.2	7.19	30	25 - 150
N-MeFOSA	39.6	46.8	118	27.0	30	25 - 150
N-MeFOSAA	39.6	40.4	102	7.37	35	25 - 150
N-MeFOSE	396	345	87.1	5.68	30	25 - 150
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	70.5	69.6	98.7	2.28	30	25 - 150
Perfluoro-1-decanesulfonic acid (PFDS)	38.2	29.5	77.1	7.36	35	25 - 150
Perfluoro-1-heptanesulfonic acid (PFHpS)	37.8	30.4	80.3	14.4	35	25 - 150
Perfluoro-1-nonanesulfonic acid (PFNS)	38.0	27.6	72.6	13.2	30	25 - 150
Perfluoro-1-octanesulfonamide (FOSA)	39.6	39.7	100	4.16	35	25 - 150
Perfluoro-1-pentanesulfonate (PFPeS)	37.2	37.2	97.2	2.47	30	25 - 150
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	79.3	66.0	83.3	9.55	30	25 - 150

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 1633 Draft 3

MW-104 4.18.24

Laboratory: York Analytical Laboratories, Inc. - Stratford

SDG: 24D1533

Client: HRP Associates, Inc.

Project: NEW6313. RA 350-352 Liberty Street

Matrix: Water

Batch: BD42169

Laboratory ID: BD42169-MSD1

Preparation: EPA 1633 Prep

Initial/Final: 504.7 mL / 5 mL

Source Sample Name: MW-104 4.18.24

COMPOUND	SPIKE ADDED (ng/L)	MSD CONCENTRATION (ng/L)	MSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Perfluoro-4-oxapentanoic acid (PFMPA)	79.3	71.8	90.5	6.26	30	25 - 150
Perfluoro-5-oxahexanoic acid (PFMBA)	79.3	73.1	92.2	1.16	30	25 - 150
Perfluorobutanesulfonic acid (PFBS)	35.1	63.5	97.1	1.87	35	25 - 150
Perfluorodecanoic acid (PFDA)	39.6	47.8	121	6.78	35	25 - 150
Perfluorododecanesulfonic acid (PFDoS)	38.4	25.4	66.2	9.45	30	25 - 150
Perfluorododecanoic acid (PFDoA)	39.6	42.0	106	1.35	35	25 - 150
Perfluoroheptanoic acid (PFHpA)	39.6	30.8	60.3	3.32	35	25 - 150
Perfluorohexanesulfonic acid (PFHxS)	36.3	43.3	103	6.75	35	25 - 150
Perfluorohexanoic acid (PFHxA)	39.6	60.4	104	0.413	35	25 - 150
Perfluoro-n-butanoic acid (PFBA)	159	168	98.9	1.78	35	25 - 150
Perfluorononanoic acid (PFNA)	39.6	45.3	107	10.0	35	25 - 150
Perfluorooctanesulfonic acid (PFOS)	36.9	56.9	71.1	6.77	35	25 - 150
Perfluorooctanoic acid (PFOA)	39.6	73.7	123	5.29	35	25 - 150
Perfluoropentanoic acid (PFPeA)	79.3	91.1	94.6	1.08	35	25 - 150
Perfluorotetradecanoic acid (PFTA)	39.6	39.5	99.6	15.8	35	25 - 150
Perfluorotridecanoic acid (PFTrDA)	39.6	46.6	118	29.7	35	25 - 150
Perfluoroundecanoic acid (PFUnA)	39.6	47.5	120	3.27	35	25 - 150

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 1633 Draft 3

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24D1533Client: HRP Associates, Inc.Project: NEW6313. RA 350-352 Liberty StreetMatrix: WaterBatch: BD42169Laboratory ID: BD42169-BS1Preparation: EPA 1633 PrepInitial/Final: 250 mL / 5 mL

COMPOUND	SPIKE ADDED (ng/L)	LCS CONCENTRATION (ng/L)	LCS % REC. #	QC LIMITS REC.
11CL-PF3OUdS	151	136	90.1	50 - 150
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	307	311	101	50 - 150
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	300	336	112	50 - 150
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	304	336	111	50 - 150
3-Perfluoroheptyl propanoic acid (FHpPA)	1600	1910	119	50 - 150
3-Perfluoropentyl propanoic acid (FPePA)	1600	1510	94.2	50 - 150
3-Perfluoropropyl propanoic acid (FPrPA)	320	233	72.7	50 - 150
9CL-PF3ONS	150	155	104	50 - 150
ADONA	151	173	114	50 - 150
HFPO-DA (Gen-X)	160	159	99.6	50 - 150
N-EtFOSA	80.0	107	134	50 - 150
N-EtFOSAA	80.0	78.6	98.3	50 - 150
N-EtFOSE	800	785	98.2	50 - 150
N-MeFOSA	80.0	88.3	110	50 - 150
N-MeFOSAA	80.0	88.2	110	50 - 150
N-MeFOSE	800	696	87.0	50 - 150
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	142	133	93.1	50 - 150
Perfluoro-1-decanesulfonic acid (PFDS)	77.2	81.8	106	50 - 150
Perfluoro-1-heptanesulfonic acid (PFHpS)	76.4	75.3	98.6	50 - 150
Perfluoro-1-nonanesulfonic acid (PFNS)	76.8	68.8	89.6	50 - 150
Perfluoro-1-octanesulfonamide (FOSA)	80.0	80.3	100	50 - 150
Perfluoro-1-pentanesulfonate (PFPeS)	75.2	74.5	99.0	50 - 150
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	160	155	96.7	50 - 150
Perfluoro-4-oxapentanoic acid (PFMPA)	160	54.1	33.8 *	50 - 150
Perfluoro-5-oxahexanoic acid (PFMBA)	160	195	122	50 - 150
Perfluorobutanesulfonic acid (PFBS)	70.8	72.8	103	50 - 150
Perfluorodecanoic acid (PFDA)	80.0	95.3	119	50 - 150
Perfluorododecanesulfonic acid (PFDoS)	77.6	64.0	82.5	50 - 150
Perfluorododecanoic acid (PFDoA)	80.0	93.6	117	50 - 150

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 1633 Draft 3

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24D1533Client: HRP Associates, Inc.Project: NEW6313. RA 350-352 Liberty StreetMatrix: WaterBatch: BD42169Laboratory ID: BD42169-BS1Preparation: EPA 1633 PrepInitial/Final: 250 mL / 5 mL

COMPOUND	SPIKE ADDED (ng/L)	LCS CONCENTRATION (ng/L)	LCS % REC. #	QC LIMITS REC.
Perfluoroheptanoic acid (PFHpA)	80.0	55.2	69.0	50 - 150
Perfluorohexanesulfonic acid (PFHxS)	73.2	78.9	108	50 - 150
Perfluorohexanoic acid (PFHxA)	80.0	79.8	99.8	50 - 150
Perfluoro-n-butanoic acid (PFBA)	320	321	100	50 - 150
Perfluorononanoic acid (PFNA)	80.0	91.3	114	50 - 150
Perfluorooctanesulfonic acid (PFOS)	74.4	75.6	102	50 - 150
Perfluorooctanoic acid (PFOA)	80.0	85.4	107	50 - 150
Perfluoropentanoic acid (PFPeA)	160	159	99.3	50 - 150
Perfluorotetradecanoic acid (PFTA)	80.0	82.0	102	50 - 150
Perfluorotridecanoic acid (PFTrDA)	80.0	100	125	50 - 150
Perfluoroundecanoic acid (PFUnA)	80.0	96.3	120	50 - 150

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 1633 Draft 3

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24D1533Client: HRP Associates, Inc.Project: NEW6313. RA 350-352 Liberty StreetMatrix: WaterBatch: BD42169Laboratory ID: BD42169-BS2Preparation: EPA 1633 PrepInitial/Final: 250 mL / 5 mL

COMPOUND	SPIKE ADDED (ng/L)	LCS CONCENTRATION (ng/L)	LCS % REC. #	QC LIMITS REC.
11CL-PF3OUdS	30.2	24.6	81.3	50 - 150
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	61.4	62.6	102	50 - 150
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	60.0	63.9	107	50 - 150
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	60.8	68.2	112	50 - 150
3-Perfluoroheptyl propanoic acid (FHpPA)	320	340	106	50 - 150
3-Perfluoropentyl propanoic acid (FPePA)	320	248	77.4	50 - 150
3-Perfluoropropyl propanoic acid (FPrPA)	64.0	37.3	58.3	50 - 150
9CL-PF3ONS	29.9	27.1	90.4	50 - 150
ADONA	30.2	30.9	102	50 - 150
HFPO-DA (Gen-X)	32.0	28.3	88.5	50 - 150
N-EtFOSA	16.0	14.1	87.9	50 - 150
N-EtFOSAA	16.0	13.1	82.1	50 - 150
N-EtFOSE	160	138	86.3	50 - 150
N-MeFOSA	16.0	16.1	100	50 - 150
N-MeFOSAA	16.0	15.5	96.6	50 - 150
N-MeFOSE	160	124	77.4	50 - 150
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	28.5	24.5	86.0	50 - 150
Perfluoro-1-decanesulfonic acid (PFDS)	15.4	12.3	79.5	50 - 150
Perfluoro-1-heptanesulfonic acid (PFHpS)	15.3	12.3	80.6	50 - 150
Perfluoro-1-nonanesulfonic acid (PFNS)	15.4	14.1	92.1	50 - 150
Perfluoro-1-octanesulfonamide (FOSA)	16.0	14.6	91.0	50 - 150
Perfluoro-1-pentanesulfonate (PFPeS)	15.0	12.7	84.5	50 - 150
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	32.0	31.4	98.0	50 - 150
Perfluoro-4-oxapentanoic acid (PFMPA)	32.0	10.0	31.3 *	50 - 150
Perfluoro-5-oxahexanoic acid (PFMBA)	32.0	34.4	108	50 - 150
Perfluorobutanesulfonic acid (PFBS)	14.2	13.5	95.4	50 - 150
Perfluorodecanoic acid (PFDA)	16.0	15.4	96.5	50 - 150
Perfluorododecanesulfonic acid (PFDoS)	15.5	8.56	55.2	50 - 150
Perfluorododecanoic acid (PFDoA)	16.0	16.1	101	50 - 150

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 1633 Draft 3

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24D1533Client: HRP Associates, Inc.Project: NEW6313. RA 350-352 Liberty StreetMatrix: WaterBatch: BD42169Laboratory ID: BD42169-BS2Preparation: EPA 1633 PrepInitial/Final: 250 mL / 5 mL

COMPOUND	SPIKE ADDED (ng/L)	LCS CONCENTRATION (ng/L)	LCS % REC. #	QC LIMITS REC.
Perfluoroheptanoic acid (PFHpA)	16.0	9.45	59.1	50 - 150
Perfluorohexanesulfonic acid (PFHxS)	14.6	13.9	95.1	50 - 150
Perfluorohexanoic acid (PFHxA)	16.0	14.8	92.3	50 - 150
Perfluoro-n-butanoic acid (PFBA)	64.0	57.3	89.6	50 - 150
Perfluorononanoic acid (PFNA)	16.0	18.9	118	50 - 150
Perfluorooctanesulfonic acid (PFOS)	14.9	14.5	97.5	50 - 150
Perfluorooctanoic acid (PFOA)	16.0	16.7	104	50 - 150
Perfluoropentanoic acid (PFPeA)	32.0	28.3	88.4	50 - 150
Perfluorotetradecanoic acid (PFTA)	16.0	13.2	82.3	50 - 150
Perfluorotridecanoic acid (PFTrDA)	16.0	18.7	117	50 - 150
Perfluoroundecanoic acid (PFUnA)	16.0	16.5	103	50 - 150

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA 1633 Draft 3

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24D1533Client: HRP Associates, Inc.Project: NEW6313. RA 350-352 Liberty StreetCalibration: SD40022Instrument: LCQQQCalibration Date: 04/12/24 05:00

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
11CL-PF3OUdS	0.8881669	10.27058	9.198415	0.5220604		0.9996756	0.995	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	0.1914345	36.27262	8.427704	0.5139382		0.9934345	0.995	*
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	0.8346953	34.13064	5.83634	8.263251E-02		0.9904474	0.995	*
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	0.9412081	34.52198	7.283564	0.4351902		0.9914715	0.995	*
3-Perfluoroheptyl propanoic acid (FHpPA)	0.1250145	11.55614	8.064438	0.5430442		0.9994916	0.995	
3-Perfluoropentyl propanoic acid (FPePA)	0.1258239	9.965208	6.739317	0.3257273		0.9993152	0.995	
3-Perfluoropropyl propanoic acid (FPPrPA)	1.742978E-02	5.847845	4.036176	0.8861881		0.9999656	0.995	
9CL-PF3ONS	1.394926	3.824634	8.313533	0.5299134		0.9998773	0.995	
ADONA	0.5218019	3.960592	6.825454	0.3738982		0.9998698	0.995	
d3-N-MeFOSAA	1.462215	6.354696	8.672683	0.5043125			20	
d5-N-EtFOSAA	1.219736	10.65809	8.908492	0.5122237			20	
d7-N-MeFOSE	0.1180153	11.55506	9.771829	0.5252509			20	
d9-N-EtFOSE	5.750606E-02	12.23688	10.04041	0.5866145			20	
d-N-EtFOSA	9.246698E-02	11.47955	10.09118	0.5948859			20	
d-N-MeFOSA	0.1542686	13.03548	9.813017	0.5804088			20	
HFPO-DA (Gen-X)	2.337189E-02	3.78685	6.198167	0.1373465		0.9999081	0.995	
M2-4:2 FTS	2.487917	65.10536	5.834669	0.1117583			20	*
M2-6:2 FTS	2.119691	64.48691	7.283108	0.4352835			20	*
M2-8:2 FTS	6.471895	54.57924	8.427277	0.5140544			20	*
M2PFTeDA	0.658283	16.11204	10.02743	0.5796313			20	
M3HFPO-DA	0.2723754	17.04099	6.1979	0.1372478			20	
M3PFBS	4.469764	8.791826	5.120317	0.3010969			20	
M3PFHxS	3.126578	8.698392	6.793927	0.3672618			20	
M4PFHpA	0.2926834	11.8367	6.691233	0.2983954			20	
M5PFHxA	1.622025	9.130117	5.912971	8.280672E-02			20	
M6PFDA	1.365727	14.33923	8.473398	0.5104499			20	
M7PFUdA	2.020745	12.29415	8.938746	0.5027449			20	
M9PFNA	0.2868639	10.75368	7.945244	0.4931564			20	
N-EtFOSA	1.161777	8.260709	10.10243	0.5987615		0.9997839	0.995	
N-EtFOSAA	0.9466748	5.110469	8.91361	0.4704378		0.9997878	0.995	

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24D1533Client: HRP Associates, Inc.Project: NEW6313. RA 350-352 Liberty StreetCalibration: SD40022Instrument: LCQQQCalibration Date: 04/12/24 05:00

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
N-EtFOSE	1.888607	11.61922	10.06052	0.5909142		0.9998591	0.995	
N-MeFOSA	0.8030776	12.50908	9.817954	0.5785124		0.999941	0.995	
N-MeFOSAA	0.7967723	7.276969	8.676358	0.4959633		0.9998264	0.995	
N-MeFOSE	1.036155	15.40337	9.788631	0.5625961		0.9998337	0.995	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	1.061519	5.684737	5.641691	0.1465397		0.9998919	0.995	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	1.161598	10.93389	8.940413	0.4877734			20	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	0.412341	6.166944	7.984498	0.5219471			20	
Perfluoro-1-decanesulfonic acid (PFDS)	0.8239837	9.445479	8.944391	0.5102388		0.9994343	0.995	
Perfluoro-1-heptanesulfonic acid (PFHpS)	2.942091	13.751	7.414394	0.489858		0.9999908	0.995	
Perfluoro-1-nonanesulfonic acid (PFNS)	2.321077	9.232994	8.491486	0.55703		0.9994559	0.995	
Perfluoro-1-octanesulfonamide (FOSA)	1.47466	3.415129	8.941063	0.4999595		0.9999538	0.995	
Perfluoro-1-pentanesulfonate (PFPeS)	1.44443	6.017725	6.114958	0.1596665		0.9999877	0.995	
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	1.577485E-02	10.25475	5.777003	0.1558287		0.9993519	0.995	
Perfluoro-4-oxapentanoic acid (PFMPA)	0.305581	3.220234	1.983583	1.774579		0.9999845	0.995	
Perfluoro-5-oxahexanoic acid (PFMBA)	0.4215283	5.316771	5.093027	0.3687949		0.9999636	0.995	
Perfluorobutanesulfonic acid (PFBS)	1.083501	3.430746	5.124542	0.29576		0.9999021	0.995	
Perfluorodecanoic acid (PFDA)	1.183166	11.00445	8.471062	0.5409932		0.9990331	0.995	
Perfluorododecanesulfonic acid (PFDoS)	0.4706041	18.62682	9.694475	0.5827818		0.9994281	0.995	
Perfluorododecanoic acid (PFDoA)	0.7628463	11.46743	9.343819	0.5267339		0.999697	0.995	
Perfluoroheptanoic acid (PFHpA)	3.231744	8.311022	6.691504	0.2985772		0.9992834	0.995	
Perfluorohexanesulfonic acid (PFHxS)	1.22632	4.461239	6.795675	0.3416665		0.9999755	0.995	
Perfluorohexanoic acid (PFHxA)	1.092186	4.073201	5.914754	8.492618E-02		0.9997773	0.995	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	2.022229	10.96609	9.34359	0.5267062			20	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	2.76554	7.105913	1.163498	2.530357			20	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	1.45605	8.865629	4.34566	0.6759544			20	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	0.8805871	12.83785	7.349544	0.4615632			20	
Perfluoro-n-butanoic acid (PFBA)	0.8341652	0.9218157	1.166938	2.339052		0.9999969	0.995	
Perfluorononanoic acid (PFNA)	3.449174	7.064794	7.94696	0.5371962		0.9998528	0.995	
Perfluorooctanesulfonic acid (PFOS)	2.739275	9.044082	7.984192	0.5464419		0.9999809	0.995	

FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA 1633 Draft 3

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24D1533Client: HRP Associates, Inc.Project: NEW6313. RA 350-352 Liberty StreetCalibration: SD40022Instrument: LCQQQCalibration Date: 04/12/24 05:00

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Perfluorooctanoic acid (PFOA)	1.142804	10.02124	7.349038	0.4506118		0.9993579	0.995	
Perfluoropentanoic acid (PFPeA)	0.9807196	0.9981459	4.347833	0.7273288		0.9999958	0.995	
Perfluorotetradecanoic acid (PFTA)	0.9845792	8.228183	10.02787	0.5920785		0.9997497	0.995	
Perfluorotridecanoic acid (PFTrDA)	1.309235	9.387565	9.704246	0.5618438		0.9997367	0.995	
Perfluoroundecanoic acid (PFUnA)	0.7799775	7.07632	8.938173	0.5046133		0.9998118	0.995	

FORM VII

CONTINUING CALIBRATION CHECK

EPA 1633 Draft 3

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24D1533Client: HRP Associates, Inc.Project: NEW6313. RA 350-352 Liberty StreetInstrument ID: LCQQQCalibration: SD40022Lab File ID: QQQ38412.dCalibration Date: 04/12/24 05:00Sequence: S4D3051Injection Date: 04/30/24Lab Sample ID: S4D3051-CCV1Injection Time: 10:56

COMPOUND	TYPE	CONC. (ng/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
11CL-PF3OUdS	A	9.45	8.65	0.8881669	0.7721894		-8.4	30
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	A	9.60	9.96	0.1914345	0.2265236		3.8	30
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	A	9.38	11.3	0.8346953	1.134797		20.2	30
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	A	9.50	11.4	0.9412081	1.349462		20.4	30
3-Perfluoroheptyl propanoic acid (FHpPA)	A	62.6	78.7	0.1250145	0.1629564		25.8	30
3-Perfluoropentyl propanoic acid (FPePA)	A	62.6	68.7	0.1258239	0.1467581		9.8	30
3-Perfluoropropyl propanoic acid (FPrPA)	A	12.5	15.4	1.742978E-02	2.082234E-02		23.2	30
9CL-PF3ONS	A	9.35	9.31	1.394926	1.460298		-0.4	30
ADONA	A	9.45	10.5	0.5218019	0.5897457		10.9	30
HFPO-DA (Gen-X)	A	10.0	10.5	2.337189E-02	2.540746E-02		4.8	30
N-EtFOSA	A	2.50	3.35	1.161777	1.446983		34.0	30 *
N-EtFOSAA	A	2.50	2.32	0.9466748	0.8892397		-7.2	30
N-EtFOSE	A	25.0	23.8	1.888607	1.796534		-4.9	30
N-MeFOSA	A	2.50	2.53	0.8030776	0.8225746		1.1	30
N-MeFOSAA	A	2.50	2.67	0.7967723	0.8454644		6.6	30
N-MeFOSE	A	25.0	22.2	1.036155	0.9062854		-11.1	30
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	A	4.45	4.32	1.061519	1.091329		-2.9	30
Perfluoro-1-decanesulfonic acid (PFDS)	A	2.41	2.45	0.8239837	0.8197568		1.6	30
Perfluoro-1-heptanesulfonic acid (PFHpS)	A	2.38	2.33	2.942091	2.939011		-1.9	30
Perfluoro-1-nonanesulfonic acid (PFNS)	A	2.40	2.19	2.321077	2.068341		-8.6	30
Perfluoro-1-octanesulfonamide (FOSA)	A	2.50	2.61	1.47466	1.4803		4.3	30
Perfluoro-1-pentanesulfonate (PFPeS)	A	2.35	2.30	1.44443	1.336686		-2.2	30
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	A	5.00	4.28	1.577485E-02	1.402778E-02		-14.5	30

FORM VII

CONTINUING CALIBRATION CHECK

EPA 1633 Draft 3

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24D1533Client: HRP Associates, Inc.Project: NEW6313. RA 350-352 Liberty StreetInstrument ID: LCQQQCalibration: SD40022Lab File ID: QQQ38412.dCalibration Date: 04/12/24 05:00Sequence: S4D3051Injection Date: 04/30/24Lab Sample ID: S4D3051-CCV1Injection Time: 10:56

COMPOUND	TYPE	CONC. (ng/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Perfluoro-4-oxapentanoic acid (PFMPA)	A	5.00	5.17	0.305581	0.3130633		3.5	30
Perfluoro-5-oxahexanoic acid (PFMBA)	A	5.00	4.86	0.4215283	0.408858		-2.9	30
Perfluorobutanesulfonic acid (PFBS)	A	2.22	2.24	1.083501	1.117033		0.7	30
Perfluorodecanoic acid (PFDA)	A	2.50	2.71	1.183166	1.107463		8.5	30
Perfluorododecanesulfonic acid (PFDoS)	A	2.42	2.44	0.4706041	0.4601421		0.9	30
Perfluorododecanoic acid (PFDoA)	A	2.50	2.92	0.7628463	0.8984769		16.7	30
Perfluoroheptanoic acid (PFHpA)	A	2.50	1.87	3.231744	2.673469		-25.0	30
Perfluorohexanesulfonic acid (PFHxS)	A	2.28	2.38	1.22632	1.249052		4.5	30
Perfluorohexanoic acid (PFHxA)	A	2.50	2.50	1.092186	1.126943		0.2	30
Perfluoro-n-butanoic acid (PFBA)	A	10.0	10.5	0.8341652	0.8794922		5.4	30
Perfluorononanoic acid (PFNA)	A	2.50	2.67	3.449174	3.65257		6.9	30
Perfluorooctanesulfonic acid (PFOS)	A	2.32	2.45	2.739275	2.959367		5.8	30
Perfluorooctanoic acid (PFOA)	A	2.50	2.98	1.142804	1.367754		19.2	30
Perfluoropentanoic acid (PFPeA)	A	5.00	5.01	0.9807196	0.9779438		0.2	30
Perfluorotetradecanoic acid (PFTA)	A	2.50	2.59	0.9845792	1.045633		3.7	30
Perfluorotridecanoic acid (PFTrDA)	A	2.50	2.41	1.309235	1.288547		-3.5	30
Perfluoroundecanoic acid (PFUnA)	A	2.50	3.20	0.7799775	0.9142525		28.1	30

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

FORM I

METHOD BLANK DATA SHEET

EPA 1633 Draft 3

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 24D1533
 Client: HRP Associates, Inc. Project: NEW6313. RA 350-352 Liberty Street
 Matrix: Water Laboratory ID: BD42169-BLK1 File ID: QQQ38417.d
 Prepared: 04/29/24 13:32 Preparation: EPA 1633 Prep Initial/Final: 250 mL / 5 mL
 Analyzed: 04/30/24 12:16 Instrument: LCQQQ
 Batch: BD42169 Sequence: S4D3051 Calibration: SD40022

CAS NO.	COMPOUND	CONC. (ng/L)	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)	3.54	U
307-24-4	Perfluorohexanoic acid (PFHxA)	4.00	U
375-85-9	Perfluoroheptanoic acid (PFHpA)	4.00	U
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	3.66	U
335-67-1	Perfluorooctanoic acid (PFOA)	4.00	U
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	3.72	U
375-95-1	Perfluorononanoic acid (PFNA)	4.00	U
335-76-2	Perfluorodecanoic acid (PFDA)	4.00	U
2058-94-8	Perfluoroundecanoic acid (PFUnA)	4.00	U
307-55-1	Perfluorododecanoic acid (PFDoA)	4.00	U
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	4.00	U
376-06-7	Perfluorotetradecanoic acid (PFTA)	4.00	U
2355-31-9	N-MeFOSAA	4.00	U
2991-50-6	N-EtFOSAA	4.00	U
2706-90-3	Perfluoropentanoic acid (PFPeA)	8.00	U
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	4.00	U
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	3.82	U
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	3.86	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	15.2	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	15.4	U
375-22-4	Perfluoro-n-butanoic acid (PFBA)	0.887	J
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	7.12	U
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	8.00	U
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	8.00	U
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	8.00	U
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	3.76	U
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	15.0	U
13252-13-6	HFPO-DA (Gen-X)	16.0	U
763051-92-9	11CL-PF3OUdS	15.1	U
756426-58-1	9CL-PF3ONS	15.0	U

FORM I

METHOD BLANK DATA SHEET

EPA 1633 Draft 3

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 24D1533
 Client: HRP Associates, Inc. Project: NEW6313. RA 350-352 Liberty Street
 Matrix: Water Laboratory ID: BD42169-BLK1 File ID: QQQ38417.d
 Prepared: 04/29/24 13:32 Preparation: EPA 1633 Prep Initial/Final: 250 mL / 5 mL
 Analyzed: 04/30/24 12:16 Instrument: LCQQQ
 Batch: BD42169 Sequence: S4D3051 Calibration: SD40022

CAS NO.	COMPOUND	CONC. (ng/L)	Q
919005-14-4	ADONA	15.1	U
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	3.88	U
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	3.84	U
356-02-5	3-Perfluoropropyl propanoic acid (FPrPA)	10.0	U
914637-49-3	3-Perfluoropentyl propanoic acid (FPePA)	50.0	U
812-70-4	3-Perfluoroheptyl propanoic acid (FHpPA)	50.0	U
24448-09-7	N-MeFOSE	40.0	U
31506-32-8	N-MeFOSA	4.00	U
1691-99-2	N-EtFOSE	40.0	U
4151-50-2	N-EtFOSA	4.00	U
1180-95-6	Taurodeoxycholic Acid (TDCA)		U
6009-98-9	Taurochenodeoxycholic Acid (TCDCA)		U
14605-22-2	Tauroursodeoxycholic Acid (TUDCA)		U

SYSTEM MONITORING COMPOUND	ADDED (ng/L)	CONC (ng/L)	% REC	QC LIMITS	Q
M3PFBS	46.6	46.0	98.7	25 - 150	
M5PFHxA	50.0	43.2	86.5	25 - 150	
M4PFHpA	50.0	68.1	136	25 - 150	
M3PFHxS	47.4	49.4	104	25 - 150	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	50.0	39.0	77.9	25 - 150	
M6PFDA	25.0	22.4	89.8	25 - 150	
M7PFUdA	25.0	20.7	82.7	25 - 150	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	25.0	13.7	55.0	25 - 150	
M2PFTeDA	25.0	11.8	47.4	10 - 150	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	200	16.6	8.30	25 - 150	*
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	47.9	47.2	98.6	25 - 150	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	100	61.6	61.6	25 - 150	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	50.0	41.1	82.2	10 - 150	
d3-N-MeFOSAA	100	70.6	70.6	25 - 150	
d5-N-EtFOSAA	100	74.3	74.3	25 - 150	
M2-6:2 FTS	95.1	151	158	25 - 200	

FORM I

METHOD BLANK DATA SHEET

EPA 1633 Draft 3

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 24D1533
 Client: HRP Associates, Inc. Project: NEW6313. RA 350-352 Liberty Street
 Matrix: Water Laboratory ID: BD42169-BLK1 File ID: QQQ38417.d
 Prepared: 04/29/24 13:32 Preparation: EPA 1633 Prep Initial/Final: 250 mL / 5 mL
 Analyzed: 04/30/24 12:16 Instrument: LCQQQ
 Batch: BD42169 Sequence: S4D3051 Calibration: SD40022

SYSTEM MONITORING COMPOUND	ADDED (ng/L)	CONC (ng/L)	% REC	QC LIMITS	Q
M2-8:2 FTS	96.0	80.3	83.7	25 - 200	
M9PFNA	25.0	19.9	79.6	25 - 150	
M2-4:2 FTS	93.8	144	153	25 - 150	*
d-N-MeFOSA	50.0	32.0	64.1	25 - 150	
d-N-EtFOSA	50.0	27.3	54.6	25 - 150	
M3HFPO-DA	200	178	89.2	25 - 150	
d9-N-EtFOSE	500	258	51.5	25 - 150	
d7-N-MeFOSE	500	310	62.1	25 - 150	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
M3PFBA	24458.46	1.152017	28213.86	1.179567	
MPFDA	8012.306	8.633917	9021.806	8.559783	
MPFHxA	32205.28	5.9742	34598.09	5.93725	
MPFHxS	2899.823	6.917067	3325.875	6.8523	
MPFNA	15855.46	8.115233	15609.98	8.031716	
MPFOA	36533.87	7.502033	40570.51	7.42785	
MPFOS	7879.048	8.150933	9143.241	8.067416	
Perfluoro-n-[13C9]nonanoic acid (M9PFNA)-EIS	3623.307	8.1056	4262.735	8.031366	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)-EIS	25069.96	7.50165	26821.14	7.427484	
Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)-EIS	57761.29	4.35715	96518.63	4.375533	
Perfluoro-n-[13C4]butanoic acid (MPFBA)-EIS	11257.44	1.1589	127871.4	1.177267	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)-EIS	8910.096	9.44785	11134.22	9.392333	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)-EIS	3132.503	8.1504	3337.87	8.066883	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)-EIS	8002.726	9.082566	9227.382	8.999017	
M7PFUdA-EIS	13395.82	9.069117	14772.91	9.004117	
M6PFDA-EIS	9821.454	8.633533	11709.38	8.559383	
M5PFHxA-EIS	45178.45	5.973	50747.19	5.9453	
M4PFHpA-EIS	12842.94	6.80745	11659.68	6.7515	
M3PFHxS-EIS	8952.466	6.917533	9952.075	6.852767	
M3PFBS-EIS	11727.64	5.1503	13170.97	5.141067	
M3-HFPO-DA-EIS	31301.17	6.272117	34642.24	6.235083	

Field Duplicate Calculation Section

EPA Method 1633 PFC

Calculations for Field Duplicate Relative Percent Difference (RPD)

SDG No. 24D1533

S1= MW-104_4.18.24

S2= DUP

<u>Analyte</u>	<u>S1</u>	<u>S2</u>	<u>RPD (%)</u>	
Perfluorobutanesulfonic acid (PFBS)	29.4	28.5	3%	
Perfluorohexanoic acid (PFHxA)	19	19.6	3%	
Perfluoroheptanoic acid (PFHpA)	6.85	6.45	6%	
Perfluorohexanesulfonic acid (PFHxS)	6.05	5.71	6%	
Perfluorooctanoic acid (PFOA)	6.05	29.4	132%	*
Perfluorooctanesulfonic acid (PFOS)	30.7	10.1	101%	*
Perfluorononanoic acid (PFNA)	2.83	2.19	25%	*
Perfluoropentanoic acid (PFPeA)	16.1	15.9	1%	
Perfluoro-n-butanoic acid (PFBA)	10.8	10.5	3%	
Perfluoro-1-pentanesulfonate (PFPeS)	0.963	1.23	NC	

* RPD is above the allowable maximum 20%.

Results are in units of ng/L.

Bold numbers were values that are below the CRQL or above the high standard.

ND - Not detected.

NC - Not calculated, both results must be within the linear range for valid RPDs to be calculated.

24K1290



**Data Usability Summary Report for
York Analytical Laboratories, Inc., SDG: 24K1290**

**4 Ground Water Samples, 1 Field Duplicate,
1 Field Blank, and 1 Trip Blank
Collected November 15, 2024**

Prepared by: Donald Anné
January 7, 2025

Geology

Hydrology

Remediation

Water Supply

The data package contains the documentation required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appears legible and complete. The data pack contains the results of 4 ground water samples, 1 field duplicate, and 1 trip blank analyzed for volatiles; 4 ground water samples, 1 field duplicate, and 1 field blank analyzed for PFAS; and results of 4 ground water samples and 1 field duplicate analyzed for semi-volatiles, SIM semi-volatiles, 1,4-dioxane, and RCRA metals.

The overall performances of the analyses are acceptable. York Analytical Laboratories, Inc. did fulfill the requirements of the analytical methods except for ICP metals analyses.

The data are mostly acceptable with some issues that are identified in the accompanying data validation reviews. The following data were qualified:

- The positive volatile result for tetrachloroethylene was qualified as “estimated, biased low” (J-) for samples MW-104, MW-105 because 2 of 2 percent recoveries for tetrachloroethylene were below QC limits, but not below 30% in the associated aqueous LCS/LCSDs.
- The “not detected” volatile results for tetrachloroethylene were qualified as “estimated” (UJ) for samples MW-202, MW-201, Dup, Field Blank, and Trip Blank because 2 of 2 percent recoveries for tetrachloroethylene were below QC limits, but not below 30% in the associated aqueous LCS/LCSD.
- The “not detected” volatile result for dichlorodifluoromethane was qualified as “rejected, unusable” (R) for sample MW-104 because 2 of 2 percent recoveries for dichlorodifluoromethane were below QC limits and one below 30% in the associated aqueous LCS/LCSD.
- The “not detected” volatile results for dichlorodifluoromethane were qualified as “estimated” (UJ) for samples MW-105, MW-202, MW-201, Dup Field Blank, and Trip Blank because 2 of 2 percent recoveries for dichlorodifluoromethane were below QC limits, but not below 30% in the associated aqueous LCS/LCSD.

- Positive volatile result for 1,2,3-trichlorobenzene was qualified as “not detected” (U) for the sample MW-202 because the level reported in the sample was not significantly greater than (more than 5 times) the highest associated blank level.
- Positive volatile results for acrolein were qualified as “not detected” (U) for the following samples because the level reported in the samples were not significantly greater than (more than 5 times) the highest associated blank level.

MW-104	MW-105	MW-202	MW-201	Dup
Field Blank	Trip Blank			

- Positive volatile result for chloroform were qualified as “rejected, unusable” (R) for samples MW-104, MW-105, MW-202, MW-201, and Dup because the level reported in the samples were not significantly greater than (more than 5 times) the blank with an unacceptable level of chloroform.
- The positive volatile result for carbon disulfide was qualified as “estimated, biased high” (J+) for MW-105 because 1 of 2 percent recoveries for carbon disulfide was above QC limits in the aqueous MS/MSD sample.
- The positive SIM semi-volatile result for naphthalene was qualified as “estimated” (J) for sample MW-104 because %D for naphthalene was above the allowable maximum in the associated continuing calibration verification sample.
- The “not detected” SIM semi-volatile results for hexachlorobutadiene, hexachloroethane, nitrobenzene, and n-nitrosodimethylamine were qualified as “rejected, unusable” (R) for samples MW-104 and MW-105 because the percent recoveries for these compounds were below QC limits and below 30% in the associated aqueous LCS.
- The “not detected” semi-volatile results for benzoic acid and pyridine were qualified as “rejected, unusable” (R) for all 4 ground water samples and field duplicate because 1 or 2 percent recoveries for these compounds were below QC limits and below 30% in the associated aqueous LCS/LCSDs.
- The “not detected” semi-volatile results for hexachlorocyclopentadiene were qualified as “rejected, unusable” (R) for samples MW-104 and MW-105 because 2 of 2 percent recoveries for hexachlorocyclopentadiene were below QC limits and below 30% in the associated aqueous LCS/LCSD.

- The “not detected” semi-volatile results for 4-nitrophenol and caprolactam were qualified as “rejected, unusable” (R) for samples MW-202, MW-201, and Dup because 1 of 2 percent recoveries for 4-nitrophenol and caprolactam were below QC limits and below 30% in the associated aqueous LCS/LCSD.
- The “not detected” semi-volatile result for aniline was qualified as “estimated” (UJ) for sample MW-104 because 1 of 2 percent recoveries for aniline was below QC limits, but not below 30% in the associated aqueous LCS/LCSD.
- The “not detected” semi-volatile result for 3,3-dichlorobenzidine was qualified as “rejected, unusable” (R) for sample MW-105 because 1 of 2 percent recoveries for 3,3-dichlorobenzidine was below QC limits and below 30% in the aqueous MS/MSD sample.
- The “not detected” semi-volatile results for 14 acid extractable compounds were qualified as “rejected, unusable” (R) for sample MW-105 because 2 of 3 acid extractable surrogate recoveries were below QC limits and one below 10% in the sample.
- The “not detected” semi-volatile results for 33 base/neutral compounds were qualified as “estimated” (UJ) for sample MW-105 because 2 of 3 base/neutral surrogate recoveries were below QC limits, but not below 10% in the sample.
- The “not detected” PFAS results for PFMPA were qualified as rejected, unusable (R) for all 4 ground water samples, field duplicate, and field blank because the percent recoveries for PFMPA were below QC limits and below 30% in the associated aqueous LCSs.
- The positive PFAS results for PFHpA was qualified as “estimated” (J) for sample MW-104 and MW-202 because percent recovery for the surrogate used to quantitate PFHpA was below QC limits, but not below 10% in the samples.
- The “not detected” PFAS result for PFBA was qualified as “estimated” (UJ) for sample MW-104 because percent recovery for the surrogate used to quantitate PFBA was below QC limits, but not below 10% in the sample.
- The positive PFAS results for PFHxA, PFHpA, PFOA, PFOS, PFNA, and PFPeA were qualified as estimated (J) for samples MW-105 and Dup because the relative percent differences for these 6 PFAS were above the allowable maximum in the aqueous field duplicate pair MW-105/Dup.

- The “not detected” PFAS result for PFBA was qualified as “rejected, unusable” (R) for sample Field Blank because percent recovery for the surrogate used to quantitate PFBA was below QC limits and below 10% in the sample.
- The positive metal results for barium were qualified as estimated, biased high (J+) for all 4 ground water samples and the field duplicate because the percent recover for barium was above QC limits in the associated aqueous spike sample.
- The positive metal results for chromium were qualified as estimated (J) for sample MW-104 and MW-105 because the relative percent difference for chromium was above the allowable maximum in the associated aqueous duplicate sample.
- The positive metal results for selenium were qualified as estimated, biased high (J+) for samples MW-105 and Dup because the percent recovery for selenium was above QC limits in the associated CRDL sample and the results were less than 4 times the spiking level.

All data that are not qualified rejected (R) are considered usable with estimated (J-, J, J+, or UJ) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.

Qualified Data Section



Sample Information

Client Sample ID: MW-104

York Sample ID: 24K1290-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24K1290

350-352 Liberty St. / NEW6313.RA

Ground Water

November 15, 2024 3:30 pm

11/18/2024

VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260D	11/21/2024 15:35	11/22/2024 03:24	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260D	11/21/2024 15:35	11/22/2024 03:24	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260D	11/21/2024 15:35	11/22/2024 03:24	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260D	11/21/2024 15:35	11/22/2024 03:24	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260D	11/21/2024 15:35	11/22/2024 03:24	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260D	11/21/2024 15:35	11/22/2024 03:24	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260D	11/21/2024 15:35	11/22/2024 03:24	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260D	11/21/2024 15:35	11/22/2024 03:24	PD
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260D	11/21/2024 15:35	11/22/2024 03:24	PD
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260D	11/21/2024 15:35	11/22/2024 03:24	PD
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260D	11/21/2024 15:35	11/22/2024 03:24	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260D	11/21/2024 15:35	11/22/2024 03:24	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260D	11/21/2024 15:35	11/22/2024 03:24	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260D	11/21/2024 15:35	11/22/2024 03:24	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260D	11/21/2024 15:35	11/22/2024 03:24	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260D	11/21/2024 15:35	11/22/2024 03:24	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260D	11/21/2024 15:35	11/22/2024 03:24	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260D	11/21/2024 15:35	11/22/2024 03:24	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260D	11/21/2024 15:35	11/22/2024 03:24	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
123-91-1	1,4-Dioxane	ND		ug/L	35.3	80.0	1	EPA 8260D	11/21/2024 15:35	11/22/2024 03:24	PD
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260D	11/21/2024 15:35	11/22/2024 03:24	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
591-78-6	2-Hexanone	ND		ug/L	0.320	0.500	1	EPA 8260D	11/21/2024 15:35	11/22/2024 03:24	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260D	11/21/2024 15:35	11/22/2024 03:24	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			



Sample Information

<u>Client Sample ID:</u> MW-104			<u>York Sample ID:</u> 24K1290-01	
<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
24K1290	350-352 Liberty St. / NEW6313.RA	Ground Water	November 15, 2024 3:30 pm	11/18/2024

VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
67-64-1	Acetone	ND		ug/L	1.34	2.00	1	EPA 8260D	11/21/2024 15:35	11/22/2024 03:24	PD	
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE				
107-02-8	Acrolein	1.56	U	B	ug/L	0.447	0.500	1	EPA 8260D	11/21/2024 15:35	11/22/2024 03:24	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE				
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260D	11/21/2024 15:35	11/22/2024 03:24	PD	
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE				
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260D	11/21/2024 15:35	11/22/2024 03:24	PD	
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE				
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260D	11/21/2024 15:35	11/22/2024 03:24	PD	
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440				
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260D	11/21/2024 15:35	11/22/2024 03:24	PD	
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE				
75-25-2	Bromoform	ND		ug/L	0.163	0.500	1	EPA 8260D	11/21/2024 15:35	11/22/2024 03:24	PD	
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE				
74-83-9	Bromomethane	ND		CCVE ug/L	0.119	0.500	1	EPA 8260D	11/21/2024 15:35	11/22/2024 03:24	PD	
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE				
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260D	11/21/2024 15:35	11/22/2024 03:24	PD	
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE				
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260D	11/21/2024 15:35	11/22/2024 03:24	PD	
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE				
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260D	11/21/2024 15:35	11/22/2024 03:24	PD	
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE				
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260D	11/21/2024 15:35	11/22/2024 03:24	PD	
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE				
67-66-3	Chloroform	1.40	R	ug/L	0.243	0.500	1	EPA 8260D	11/21/2024 15:35	11/22/2024 03:24	PD	
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE				
74-87-3	Chloromethane	ND		CCVE ug/L	0.372	0.500	1	EPA 8260D	11/21/2024 15:35	11/22/2024 03:24	PD	
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE				
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260D	11/21/2024 15:35	11/22/2024 03:24	PD	
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE				
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260D	11/21/2024 15:35	11/22/2024 03:24	PD	
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE				
110-82-7	Cyclohexane	0.660		ug/L	0.491	0.500	1	EPA 8260D	11/21/2024 15:35	11/22/2024 03:24	PD	
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440				
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260D	11/21/2024 15:35	11/22/2024 03:24	PD	
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE				
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260D	11/21/2024 15:35	11/22/2024 03:24	PD	
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440				
75-71-8	Dichlorodifluoromethane	ND	R	CCVE, ICVE, QL-02	ug/L	0.451	0.500	1	EPA 8260D	11/21/2024 15:35	11/22/2024 03:24	PD
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440				
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260D	11/21/2024 15:35	11/22/2024 03:24	PD	
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE				
87-68-3	Hexachlorobutadiene	ND		ug/L	0.241	0.500	1	EPA 8260D	11/21/2024 15:35	11/22/2024 03:24	PD	
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440				
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260D	11/21/2024 15:35	11/22/2024 03:24	PD	
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE				



Sample Information

<u>Client Sample ID:</u>		MW-104		<u>York Sample ID:</u>		24K1290-01	
<u>York Project (SDG) No.</u>		<u>Client Project ID</u>		<u>Matrix</u>	<u>Collection Date/Time</u>		<u>Date Received</u>
24K1290		350-352 Liberty St. / NEW6313.RA		Ground Water	November 15, 2024 3:30 pm		11/18/2024

VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260D	11/21/2024 15:35	11/22/2024 03:24	PD
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260D	11/21/2024 15:35	11/22/2024 03:24	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260D	11/21/2024 15:35	11/22/2024 03:24	PD
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260D	11/21/2024 15:35	11/22/2024 03:24	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
104-51-8	n-Butylbenzene	0.620		ug/L	0.399	0.500	1	EPA 8260D	11/21/2024 15:35	11/22/2024 03:24	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
103-65-1	n-Propylbenzene	0.730		ug/L	0.384	0.500	1	EPA 8260D	11/21/2024 15:35	11/22/2024 03:24	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260D	11/21/2024 15:35	11/22/2024 03:24	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-04440			
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260D	11/21/2024 15:35	11/22/2024 03:24	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-04440			
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260D	11/21/2024 15:35	11/22/2024 03:24	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
135-98-8	sec-Butylbenzene	0.800		ug/L	0.444	0.500	1	EPA 8260D	11/21/2024 15:35	11/22/2024 03:24	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260D	11/21/2024 15:35	11/22/2024 03:24	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.608	1.00	1	EPA 8260D	11/21/2024 15:35	11/22/2024 03:24	PD
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260D	11/21/2024 15:35	11/22/2024 03:24	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
127-18-4	Tetrachloroethylene	0.550	J- ICVE, QL-02	ug/L	0.239	0.500	1	EPA 8260D	11/21/2024 15:35	11/22/2024 03:24	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260D	11/21/2024 15:35	11/22/2024 03:24	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260D	11/21/2024 15:35	11/22/2024 03:24	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260D	11/21/2024 15:35	11/22/2024 03:24	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260D	11/21/2024 15:35	11/22/2024 03:24	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260D	11/21/2024 15:35	11/22/2024 03:24	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260D	11/21/2024 15:35	11/22/2024 03:24	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
1330-20-7	Xylenes, Total	ND		ug/L	0.839	1.50	1	EPA 8260D	11/21/2024 15:35	11/22/2024 03:24	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005			
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	92.2 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	92.4 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	110 %	79-122								



Sample Information

Client Sample ID: MW-104

York Sample ID: 24K1290-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24K1290

350-352 Liberty St. / NEW6313.RA

Ground Water

November 15, 2024 3:30 pm

11/18/2024

Volatile Organics, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
NA	Benzene, methyl isomer	2.4	J	ug/L			1	EPA 8260C	11/21/2024 15:35	11/22/2024 03:24	PD
							Certifications:				
NA	Benzene, tetramethyl isomer	1.6	J	ug/L			1	EPA 8260C	11/21/2024 15:35	11/22/2024 03:24	PD
							Certifications:				
NA	Cyclohexane, dimethyl isomer	1.6	J	ug/L			1	EPA 8260C	11/21/2024 15:35	11/22/2024 03:24	PD
							Certifications:				
NA	Cyclohexane, trimethyl isomer	3.0	J	ug/L			1	EPA 8260C	11/21/2024 15:35	11/22/2024 03:24	PD
							Certifications:				
NA	Cyclopentane isomer	1.7	J	ug/L			1	EPA 8260C	11/21/2024 15:35	11/22/2024 03:24	PD
							Certifications:				
NA	Decane, methyl isomer	1.6	J	ug/L			1	EPA 8260C	11/21/2024 15:35	11/22/2024 03:24	PD
							Certifications:				
NA	Phenyl butene isomer	1.9	J	ug/L			1	EPA 8260C	11/21/2024 15:35	11/22/2024 03:24	PD
							Certifications:				

SVOA, 8270 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.50	5.00	1	EPA 8270D	11/22/2024 15:52	11/25/2024 10:23	SS
							Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440				
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D	11/22/2024 15:52	11/25/2024 10:23	SS
							Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440				
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.50	5.00	1	EPA 8270D	11/22/2024 15:52	11/25/2024 10:23	SS
							Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440				
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	11/22/2024 15:52	11/25/2024 10:23	SS
							Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440				
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	11/22/2024 15:52	11/25/2024 10:23	SS
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440				
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	11/22/2024 15:52	11/25/2024 10:23	SS
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440				
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	11/22/2024 15:52	11/25/2024 10:23	SS
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440				
105-67-9	2,4-Dimethylphenol	ND	ICVE	ug/L	2.50	5.00	1	EPA 8270D	11/22/2024 15:52	11/25/2024 10:23	SS
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440				
51-28-5	2,4-Dinitrophenol	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D	11/22/2024 15:52	11/25/2024 10:23	SS
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440				
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D	11/22/2024 15:52	11/25/2024 10:23	SS
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440				
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D	11/22/2024 15:52	11/25/2024 10:23	SS
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440				
91-58-7	2-Chloronaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D	11/22/2024 15:52	11/25/2024 10:23	SS
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440				
95-57-8	2-Chlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	11/22/2024 15:52	11/25/2024 10:23	SS
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440				
91-57-6	2-Methylnaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D	11/22/2024 15:52	11/25/2024 10:23	SS
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440				
95-48-7	2-Methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D	11/22/2024 15:52	11/25/2024 10:23	SS
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440				



Sample Information

<u>Client Sample ID:</u> MW-104			<u>York Sample ID:</u> 24K1290-01	
<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
24K1290	350-352 Liberty St. / NEW6313.RA	Ground Water	November 15, 2024 3:30 pm	11/18/2024

SVOA, 8270 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
88-74-4	2-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:23	SS
88-75-5	2-Nitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:23	SS
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:23	SS
91-94-1	3,3-Dichlorobenzidine	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:23	SS
99-09-2	3-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:23	SS
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:23	SS
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:23	SS
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:23	SS
106-47-8	4-Chloroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:23	SS
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:23	SS
100-01-6	4-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:23	SS
100-02-7	4-Nitrophenol	ND		ug/L	5.00	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:23	SS
98-86-2	Acetophenone	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:23	SS
62-53-3	Aniline	ND	UJ	ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:23	SS
100-52-7	Benzaldehyde	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:23	SS
92-87-5	Benzidine	ND	CAL-E, CCVE	ug/L	5.00	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:23	SS
65-85-0	Benzoic acid	ND	R CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:23	SS
100-51-6	Benzyl alcohol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:23	SS
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:23	SS
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:23	SS
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.00	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:23	SS
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:23	SS
105-60-2	Caprolactam	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:23	SS
86-74-8	Carbazole	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:23	SS



Sample Information

<u>Client Sample ID:</u> MW-104		<u>York Sample ID:</u> 24K1290-01		
<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
24K1290	350-352 Liberty St. / NEW6313.RA	Ground Water	November 15, 2024 3:30 pm	11/18/2024

SVOA, 8270 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
132-64-9	Dibenzofuran	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:23	SS
84-66-2	Diethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:23	SS
131-11-3	Dimethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:23	SS
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:23	SS
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:23	SS
122-39-4	Diphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:23	SS
77-47-4	Hexachlorocyclopentadiene	ND	R	CCVE, ug/L ICVE	5.00	10.0	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:23	SS
78-59-1	Isophorone	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:23	SS
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:23	SS
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:23	SS
108-95-2	Phenol	ND		ug/L	0.750	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:23	SS
110-86-1	Pyridine	ND	R	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:23	SS
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	23.4 %	19.7-63.1								
13127-88-3	Surrogate: SURR: Phenol-d6	12.9 %	10.1-41.7								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	55.6 %	50.2-113								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	46.9 %	39.9-105								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	56.4 %	39.3-151								
1718-51-0	Surrogate: SURR: Terphenyl-d14	53.8 %	30.7-106								

SVOA, 8270 SIM MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 12:43	SS
208-96-8	Acenaphthylene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 12:43	SS
120-12-7	Anthracene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 12:43	SS
1912-24-9	Atrazine	ND		ICVE ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	11/22/2024 15:52	11/25/2024 12:43	SS
56-55-3	Benzo(a)anthracene	ND		CAL-E ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 12:43	SS



Sample Information

<u>Client Sample ID:</u> MW-104			<u>York Sample ID:</u> 24K1290-01	
<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
24K1290	350-352 Liberty St. / NEW6313.RA	Ground Water	November 15, 2024 3:30 pm	11/18/2024

SVOA, 8270 SIM MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM	11/22/2024 15:52	11/25/2024 12:43	SS
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM	11/22/2024 15:52	11/25/2024 12:43	SS
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0500	1	EPA 8270D SIM	11/22/2024 15:52	11/25/2024 12:43	SS
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
207-08-9	Benzo(k)fluoranthene	ND	CAL-E	ug/L	0.0500	1	EPA 8270D SIM	11/22/2024 15:52	11/25/2024 12:43	SS
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.500	1	EPA 8270D SIM	11/22/2024 15:52	11/25/2024 12:43	SS
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005			
218-01-9	Chrysene	ND		ug/L	0.0500	1	EPA 8270D SIM	11/22/2024 15:52	11/25/2024 12:43	SS
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
53-70-3	Dibenzo(a,h)anthracene	ND	CAL-E	ug/L	0.0500	1	EPA 8270D SIM	11/22/2024 15:52	11/25/2024 12:43	SS
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
206-44-0	Fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM	11/22/2024 15:52	11/25/2024 12:43	SS
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
86-73-7	Fluorene	ND		ug/L	0.0500	1	EPA 8270D SIM	11/22/2024 15:52	11/25/2024 12:43	SS
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
118-74-1	Hexachlorobenzene	ND		ug/L	0.0200	1	EPA 8270D SIM	11/22/2024 15:52	11/25/2024 12:43	SS
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005			
87-68-3	Hexachlorobutadiene	ND	R	CCVE, ug/L	0.500	1	EPA 8270D SIM	11/22/2024 15:52	11/25/2024 12:43	SS
				QL-02		Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005			
67-72-1	Hexachloroethane	ND	R	QL-02	0.500	1	EPA 8270D SIM	11/22/2024 15:52	11/25/2024 12:43	SS
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005			
193-39-5	Indeno(1,2,3-cd)pyrene	ND	CAL-E	ug/L	0.0500	1	EPA 8270D SIM	11/22/2024 15:52	11/25/2024 12:43	SS
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
91-20-3	Naphthalene	0.0500	J	ug/L	0.0500	1	EPA 8270D SIM	11/22/2024 15:52	11/25/2024 12:43	SS
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
98-95-3	Nitrobenzene	ND	R	CCVE, ug/L	0.250	1	EPA 8270D SIM	11/22/2024 15:52	11/25/2024 12:43	SS
				ICVE, QL-02		Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005			
62-75-9	N-Nitrosodimethylamine	ND	R	QL-02	0.500	1	EPA 8270D SIM	11/22/2024 15:52	11/25/2024 12:43	SS
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005			
87-86-5	Pentachlorophenol	ND		ug/L	0.250	1	EPA 8270D SIM	11/22/2024 15:52	11/25/2024 12:43	SS
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005			
85-01-8	Phenanthrene	ND		ug/L	0.0500	1	EPA 8270D SIM	11/22/2024 15:52	11/25/2024 12:43	SS
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
129-00-0	Pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM	11/22/2024 15:52	11/25/2024 12:43	SS
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270E SIM	11/19/2024 15:29	11/21/2024 12:58	SS
						Certifications:	NJDEP-CT005,NELAC-NY10854			
Surrogate Recoveries		Result	Acceptance Range							



Sample Information

Client Sample ID: MW-104

York Sample ID: 24K1290-01

York Project (SDG) No.
24K1290

Client Project ID
350-352 Liberty St. / NEW6313.RA

Matrix
Ground Water

Collection Date/Time
November 15, 2024 3:30 pm

Date Received
11/18/2024

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
17647-74-4	Surrogate: 1,4-Dioxane-d8	68.0 %			36.6-118					

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	5.45		ng/L	0.434	1.63	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:07	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	5.91		ng/L	0.323	1.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:07	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	4.20	J	ng/L	0.655	1.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:07	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	3.81		ng/L	0.628	1.69	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:07	AM
335-67-1	Perfluorooctanoic acid (PFOA)	10.5		ng/L	0.388	1.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:07	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	15.7		ng/L	0.757	1.72	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:07	AM
375-95-1	Perfluorononanoic acid (PFNA)	1.36	J	ng/L	0.480	1.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:07	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.692	1.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:07	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.04	1.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:07	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.812	1.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:07	AM
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.683	1.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:07	AM
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.637	1.85	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:07	AM
2355-31-9	N-MeFOSAA	ND		ng/L	0.729	1.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:07	AM
2991-50-6	N-EtFOSAA	ND		ng/L	0.951	1.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:07	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	6.38		ng/L	0.212	3.69	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:07	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.812	1.85	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:07	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.840	1.76	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:07	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.22	1.78	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:07	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	6.92	7.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:07	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.89	7.09	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:07	AM



Sample Information

<u>Client Sample ID:</u> MW-104			<u>York Sample ID:</u> 24K1290-01	
<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
24K1290	350-352 Liberty St. / NEW6313.RA	Ground Water	November 15, 2024 3:30 pm	11/18/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND	UJ	ng/L	0.305	7.38	1 Certifications:	EPA 1633 Draft 3 NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:07	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.462	3.29	1 Certifications:	EPA 1633 Draft 3 NELAC-NY12058	11/23/2024 13:02	11/25/2024 18:07	AM
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	1.98	3.69	1 Certifications:	EPA 1633 Draft 3 NELAC-NY12058	11/23/2024 13:02	11/25/2024 18:07	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND	R	ng/L	0.231	3.69	1 Certifications:	EPA 1633 Draft 3 NELAC-NY12058	11/23/2024 13:02	11/25/2024 18:07	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.342	3.69	1 Certifications:	EPA 1633 Draft 3 NELAC-NY12058	11/23/2024 13:02	11/25/2024 18:07	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.701	1.74	1 Certifications:	EPA 1633 Draft 3 NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:07	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.65	6.92	1 Certifications:	EPA 1633 Draft 3 NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:07	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	2.98	7.38	1 Certifications:	EPA 1633 Draft 3 NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:07	AM
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.27	6.98	1 Certifications:	EPA 1633 Draft 3 NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:07	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	0.646	6.90	1 Certifications:	EPA 1633 Draft 3 NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:07	AM
919005-14-4	ADONA	ND		ng/L	0.489	6.98	1 Certifications:	EPA 1633 Draft 3 NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:07	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.858	1.79	1 Certifications:	EPA 1633 Draft 3	11/23/2024 13:02	11/25/2024 18:07	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.794	1.77	1 Certifications:	EPA 1633 Draft 3 NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:07	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	1.87	4.62	1 Certifications:	EPA 1633 Draft 3	11/23/2024 13:02	11/25/2024 18:07	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	6.77	23.1	1 Certifications:	EPA 1633 Draft 3	11/23/2024 13:02	11/25/2024 18:07	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	8.74	23.1	1 Certifications:	EPA 1633 Draft 3	11/23/2024 13:02	11/25/2024 18:07	AM
24448-09-7	* N-MeFOSE	ND		ng/L	3.68	18.5	1 Certifications:	EPA 1633 Draft 3	11/23/2024 13:02	11/25/2024 18:07	AM
31506-32-8	* N-MeFOSA	ND		ng/L	1.46	1.85	1 Certifications:	EPA 1633 Draft 3	11/23/2024 13:02	11/25/2024 18:07	AM
1691-99-2	* N-EtFOSE	ND		ng/L	3.68	18.5	1 Certifications:	EPA 1633 Draft 3	11/23/2024 13:02	11/25/2024 18:07	AM
4151-50-2	* N-EtFOSA	ND		ng/L	1.66	1.85	1 Certifications:	EPA 1633 Draft 3	11/23/2024 13:02	11/25/2024 18:07	AM
Surrogate Recoveries		Result	Acceptance Range								
M3PFBS	Surrogate: M3PFBS	114 %	25-150								
13C5PFHXA	Surrogate: M5PFHxA	146 %	25-150								
13C4PFHPA	Surrogate: M4PFHpA	164 %	PFSu-H	25-150							
13C3PFHXS	Surrogate: M3PFHxS	126 %	25-150								
13C8PFOA	Surrogate: Perfluoro-n-[13C8]octanoic acid	133 %	25-150								



Sample Information

<u>Client Sample ID:</u> MW-104			<u>York Sample ID:</u> 24K1290-01	
<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
24K1290	350-352 Liberty St. / NEW6313.RA	Ground Water	November 15, 2024 3:30 pm	11/18/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
13C6PFDA	Surrogate: M6PFDA	120 %			25-150						
13C7PFUNA	Surrogate: M7PFUdA	130 %			25-150						
960315-52-0	Surrogate: Perfluoro-n-[1,2-13C2]dodecan	157 %	PFSu-H		25-150						
13C2PFTEDA	Surrogate: M2PFTeDA	185 %	PFSu-H		10-150						
13C4PFBA	Surrogate: Perfluoro-n-[13C4]butanoic aci	23.7 %	PFSu-L		25-150						
13C8PFOS	Surrogate: Perfluoro-1-[13C8]octanesulfon	132 %			25-150						
13C5PFPEA	Surrogate: Perfluoro-n-[13C5]pentanoic ac	129 %			25-150						
13C8FOSA	Surrogate: Perfluoro-1-[13C8]octanesulfon	132 %			10-150						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	127 %			25-150						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	122 %			25-150						
M2-6:2FTS	Surrogate: M2-6:2 FTS	187 %			25-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	152 %			25-200						
13C9PFNA	Surrogate: M9PFNA	119 %			25-150						
M2-4:2FTS	Surrogate: M2-4:2 FTS	153 %	PFSu-H		25-150						
936109-37-4	Surrogate: d-N-MeFOSA	134 %			25-150						
936109-40-9	Surrogate: d-N-EtFOSA	137 %			25-150						
M3HFPO-DA	Surrogate: M3HFPO-DA	173 %	PFSu-H		25-150						
D9-NETPFOSAI	Surrogate: d9-N-EtFOSE	113 %			25-150						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	101 %			25-150						

Semi-Volatiles, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.00		ug/L			1	EPA 8270D	11/22/2024 15:52	11/25/2024 10:23	SS
								Certifications:			

Metals, RCRA (no Hg) by 6020

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		ug/L	1.11	1	EPA 6020B	11/21/2024 08:22	11/22/2024 13:23	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440		
7440-39-3	Barium	148	J+	ug/L	1.11	1	EPA 6020B	11/21/2024 08:22	11/22/2024 13:23	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440		
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B	11/21/2024 08:22	11/22/2024 13:23	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440		
7440-47-3	Chromium	1.62	J	ug/L	1.11	1	EPA 6020B	11/21/2024 08:22	11/22/2024 13:23	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440		
7439-92-1	Lead	2.88		ug/L	1.11	1	EPA 6020B	11/21/2024 08:22	11/22/2024 13:23	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440		
7782-49-2	Selenium	ND		ug/L	1.11	1	EPA 6020B	11/21/2024 08:22	11/22/2024 13:23	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440		



Sample Information

Client Sample ID: MW-104			York Sample ID: 24K1290-01		
York Project (SDG) No. 24K1290		Client Project ID 350-352 Liberty St. / NEW6313.RA		Matrix Ground Water	
		Collection Date/Time November 15, 2024 3:30 pm		Date Received 11/18/2024	

Metals, RCRA (no Hg) by 6020

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-22-4	Silver	ND		ug/L	1.11	1	EPA 6020B	11/21/2024 08:22	11/22/2024 13:23	cw
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440										

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470	11/22/2024 08:16	11/22/2024 08:16	PFA
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440										

Sample Information

Client Sample ID: MW-105			York Sample ID: 24K1290-02		
York Project (SDG) No. 24K1290		Client Project ID 350-352 Liberty St. / NEW6313.RA		Matrix Ground Water	
		Collection Date/Time November 15, 2024 3:05 pm		Date Received 11/18/2024	

VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 13:15	PD
Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440											
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 13:15	PD
Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440											
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 13:15	PD
Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440											
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 13:15	PD
Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440											
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 13:15	PD
Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440											
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 13:15	PD
Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440											
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 13:15	PD
Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440											
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 13:15	PD
Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440											
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 13:15	PD
Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440											
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 13:15	PD
Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440											
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 13:15	PD
Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440											
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 13:15	PD
Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440											



Sample Information

Client Sample ID: MW-105

York Sample ID: 24K1290-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24K1290

350-352 Liberty St. / NEW6313.RA

Ground Water

November 15, 2024 3:05 pm

11/18/2024

VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 13:15	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 13:15	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 13:15	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 13:15	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 13:15	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 13:15	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 13:15	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
123-91-1	1,4-Dioxane	ND		ug/L	35.3	80.0	1	EPA 8260D	11/21/2024 08:00	11/21/2024 13:15	PD
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 13:15	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
591-78-6	2-Hexanone	ND		ug/L	0.320	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 13:15	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 13:15	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
67-64-1	Acetone	ND		ug/L	1.34	2.00	1	EPA 8260D	11/21/2024 08:00	11/21/2024 13:15	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
107-02-8	Acrolein	1.05	U	CCVE, ug/L	0.447	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 13:15	PD
			B				Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 13:15	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 13:15	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 13:15	PD
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 13:15	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
75-25-2	Bromoform	ND		ug/L	0.163	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 13:15	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
74-83-9	Bromomethane	ND		CCVE ug/L	0.119	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 13:15	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
75-15-0	Carbon disulfide	0.900	J+	ug/L	0.362	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 13:15	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 13:15	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 13:15	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 13:15	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
67-66-3	Chloroform	0.830	R	ug/L	0.243	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 13:15	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			



Sample Information

<u>Client Sample ID:</u> MW-105			<u>York Sample ID:</u> 24K1290-02	
<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
24K1290	350-352 Liberty St. / NEW6313.RA	Ground Water	November 15, 2024 3:05 pm	11/18/2024

VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-87-3	Chloromethane	ND	CCVE	ug/L	0.372	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 13:15	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 13:15	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 13:15	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
110-82-7	Cyclohexane	ND		ug/L	0.491	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 13:15	PD
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 13:15	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 13:15	PD
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
75-71-8	Dichlorodifluoromethane	ND	UJ CCVE, ICVE, QL-02	ug/L	0.451	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 13:15	PD
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 13:15	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.241	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 13:15	PD
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 13:15	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 13:15	PD
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 13:15	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 13:15	PD
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260D	11/21/2024 08:00	11/21/2024 13:15	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 13:15	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 13:15	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 13:15	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-04440			
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260D	11/21/2024 08:00	11/21/2024 13:15	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-04440			
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 13:15	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 13:15	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 13:15	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.608	1.00	1	EPA 8260D	11/21/2024 08:00	11/21/2024 13:15	PD
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 13:15	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			



Sample Information

Client Sample ID: MW-105

York Sample ID: 24K1290-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24K1290

350-352 Liberty St. / NEW6313.RA

Ground Water

November 15, 2024 3:05 pm

11/18/2024

VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	0.240	J-	CCVE, ug/L ICVE, QL-02	0.239	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 13:15	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 13:15	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 13:15	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 13:15	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 13:15	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 13:15	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 13:15	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
1330-20-7	Xylenes, Total	ND		ug/L	0.839	1.50	1	EPA 8260D	11/21/2024 08:00	11/21/2024 13:15	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005			
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	106 %	69-130								
2037-26-5	Surrogate: SURRE: Toluene-d8	97.5 %	81-117								
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	97.8 %	79-122								

Volatile Organics, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.0		ug/L			1	EPA 8260C	11/21/2024 08:00	11/21/2024 13:15	PD
							Certifications:				

SVOA, 8270 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND	UJ	ug/L	2.50	5.00	1	EPA 8270D	11/22/2024 15:52	11/25/2024 10:53	SS
							Certifications:	NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	UJ	CAL-E ug/L	2.50	5.00	1	EPA 8270D	11/22/2024 15:52	11/25/2024 10:53	SS
							Certifications:	NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND	UJ	ug/L	2.50	5.00	1	EPA 8270D	11/22/2024 15:52	11/25/2024 10:53	SS
							Certifications:	NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
58-90-2	2,3,4,6-Tetrachlorophenol	ND	R	ug/L	2.50	5.00	1	EPA 8270D	11/22/2024 15:52	11/25/2024 10:53	SS
							Certifications:	NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
95-95-4	2,4,5-Trichlorophenol	ND	R	ug/L	2.50	5.00	1	EPA 8270D	11/22/2024 15:52	11/25/2024 10:53	SS
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
88-06-2	2,4,6-Trichlorophenol	ND	R	ug/L	2.50	5.00	1	EPA 8270D	11/22/2024 15:52	11/25/2024 10:53	SS
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
120-83-2	2,4-Dichlorophenol	ND	R	ug/L	2.50	5.00	1	EPA 8270D	11/22/2024 15:52	11/25/2024 10:53	SS
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			



Sample Information

Client Sample ID: MW-105

York Sample ID: 24K1290-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24K1290

350-352 Liberty St. / NEW6313.RA

Ground Water

November 15, 2024 3:05 pm

11/18/2024

SVOA, 8270 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
105-67-9	2,4-Dimethylphenol	ND	R	ICVE ug/L	2.50	5.00	1	EPA 8270D	11/22/2024 15:52	11/25/2024 10:53	SS
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
51-28-5	2,4-Dinitrophenol	ND	R	CAL-E ug/L	2.50	5.00	1	EPA 8270D	11/22/2024 15:52	11/25/2024 10:53	SS
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
121-14-2	2,4-Dinitrotoluene	ND	UJ	ug/L	2.50	5.00	1	EPA 8270D	11/22/2024 15:52	11/25/2024 10:53	SS
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
606-20-2	2,6-Dinitrotoluene	ND	UJ	ug/L	2.50	5.00	1	EPA 8270D	11/22/2024 15:52	11/25/2024 10:53	SS
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
91-58-7	2-Chloronaphthalene	ND	UJ	ug/L	2.50	5.00	1	EPA 8270D	11/22/2024 15:52	11/25/2024 10:53	SS
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
95-57-8	2-Chlorophenol	ND	R	ug/L	2.50	5.00	1	EPA 8270D	11/22/2024 15:52	11/25/2024 10:53	SS
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
91-57-6	2-Methylnaphthalene	ND	UJ	ug/L	2.50	5.00	1	EPA 8270D	11/22/2024 15:52	11/25/2024 10:53	SS
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
95-48-7	2-Methylphenol	ND	R	ug/L	2.50	5.00	1	EPA 8270D	11/22/2024 15:52	11/25/2024 10:53	SS
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
88-74-4	2-Nitroaniline	ND	UJ	ug/L	2.50	5.00	1	EPA 8270D	11/22/2024 15:52	11/25/2024 10:53	SS
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
88-75-5	2-Nitrophenol	ND	R	ug/L	2.50	5.00	1	EPA 8270D	11/22/2024 15:52	11/25/2024 10:53	SS
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
65794-96-9	3- & 4-Methylphenols	ND	R	ug/L	2.50	5.00	1	EPA 8270D	11/22/2024 15:52	11/25/2024 10:53	SS
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
91-94-1	3,3-Dichlorobenzidine	ND	R	CAL-E ug/L	2.50	5.00	1	EPA 8270D	11/22/2024 15:52	11/25/2024 10:53	SS
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
99-09-2	3-Nitroaniline	ND	UJ	ug/L	2.50	5.00	1	EPA 8270D	11/22/2024 15:52	11/25/2024 10:53	SS
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
534-52-1	4,6-Dinitro-2-methylphenol	ND	R	CAL-E ug/L	2.50	5.00	1	EPA 8270D	11/22/2024 15:52	11/25/2024 10:53	SS
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
101-55-3	4-Bromophenyl phenyl ether	ND	UJ	ug/L	2.50	5.00	1	EPA 8270D	11/22/2024 15:52	11/25/2024 10:53	SS
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
59-50-7	4-Chloro-3-methylphenol	ND	R	ug/L	2.50	5.00	1	EPA 8270D	11/22/2024 15:52	11/25/2024 10:53	SS
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
106-47-8	4-Chloroaniline	ND	UJ	ug/L	2.50	5.00	1	EPA 8270D	11/22/2024 15:52	11/25/2024 10:53	SS
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
7005-72-3	4-Chlorophenyl phenyl ether	ND	UJ	ug/L	2.50	5.00	1	EPA 8270D	11/22/2024 15:52	11/25/2024 10:53	SS
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
100-01-6	4-Nitroaniline	ND	UJ	ug/L	2.50	5.00	1	EPA 8270D	11/22/2024 15:52	11/25/2024 10:53	SS
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
100-02-7	4-Nitrophenol	ND	R	ug/L	5.00	5.00	1	EPA 8270D	11/22/2024 15:52	11/25/2024 10:53	SS
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
98-86-2	Acetophenone	ND	UJ	CAL-E ug/L	2.50	5.00	1	EPA 8270D	11/22/2024 15:52	11/25/2024 10:53	SS
							Certifications:	NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
62-53-3	Aniline	ND	UJ	ug/L	2.50	5.00	1	EPA 8270D	11/22/2024 15:52	11/25/2024 10:53	SS
							Certifications:	NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
100-52-7	Benzaldehyde	ND	UJ	CAL-E ug/L	2.50	5.00	1	EPA 8270D	11/22/2024 15:52	11/25/2024 10:53	SS
							Certifications:	NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
92-87-5	Benzidine	ND	UJ	CAL-E, ug/L CCVE	5.00	5.00	1	EPA 8270D	11/22/2024 15:52	11/25/2024 10:53	SS
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			



Sample Information

Client Sample ID:	MW-105			York Sample ID:	24K1290-02		
<u>York Project (SDG) No.</u>	<u>Client Project ID</u>		<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>		
24K1290	350-352 Liberty St. / NEW6313.RA		Ground Water	November 15, 2024 3:05 pm	11/18/2024		

SVOA, 8270 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
65-85-0	Benzoic acid	ND	R	CAL-E ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:53	SS
100-51-6	Benzyl alcohol	ND	UJ	ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:53	SS
85-68-7	Benzyl butyl phthalate	ND	UJ	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:53	SS
111-91-1	Bis(2-chloroethoxy)methane	ND	UJ	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:53	SS
111-44-4	Bis(2-chloroethyl)ether	ND	UJ	ug/L	1.00	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:53	SS
108-60-1	Bis(2-chloroisopropyl)ether	ND	UJ	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:53	SS
105-60-2	Caprolactam	ND	UJ	CAL-E ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:53	SS
86-74-8	Carbazole	ND	UJ	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:53	SS
132-64-9	Dibenzofuran	ND	UJ	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:53	SS
84-66-2	Diethyl phthalate	ND	UJ	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:53	SS
131-11-3	Dimethyl phthalate	ND	UJ	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:53	SS
84-74-2	Di-n-butyl phthalate	ND	UJ	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:53	SS
117-84-0	Di-n-octyl phthalate	ND	UJ	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:53	SS
122-39-4	Diphenylamine	ND	UJ	ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:53	SS
77-47-4	Hexachlorocyclopentadiene	ND	R	CCVE, ug/L ICVE	5.00	10.0	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:53	SS
78-59-1	Isophorone	ND	UJ	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:53	SS
621-64-7	N-nitroso-di-n-propylamine	ND	UJ	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:53	SS
86-30-6	N-Nitrosodiphenylamine	ND	UJ	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:53	SS
108-95-2	Phenol	ND	R	ug/L	0.750	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:53	SS
110-86-1	Pyridine	ND	R	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 10:53	SS
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	16.3 %	S-08	19.7-63.1							
13127-88-3	Surrogate: SURR: Phenol-d6	9.22 %	S-08	10.1-41.7							
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	41.4 %	S-08	50.2-113							
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	35.2 %	S-08	39.9-105							
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	42.2 %	39.3-151								



Sample Information

Client Sample ID: MW-105

York Sample ID: 24K1290-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24K1290

350-352 Liberty St. / NEW6313.RA

Ground Water

November 15, 2024 3:05 pm

11/18/2024

SVOA, 8270 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1718-51-0	Surrogate: SURR: Terphenyl-d14	40.4 %			30.7-106						

SVOA, 8270 SIM MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 13:13	SS
208-96-8	Acenaphthylene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 13:13	SS
120-12-7	Anthracene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 13:13	SS
1912-24-9	Atrazine	ND	ICVE	ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	11/22/2024 15:52	11/25/2024 13:13	SS
56-55-3	Benzo(a)anthracene	ND	CAL-E	ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 13:13	SS
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 13:13	SS
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 13:13	SS
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 13:13	SS
207-08-9	Benzo(k)fluoranthene	ND	CAL-E	ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 13:13	SS
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	11/22/2024 15:52	11/25/2024 13:13	SS
218-01-9	Chrysene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 13:13	SS
53-70-3	Dibenzo(a,h)anthracene	ND	CAL-E	ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 13:13	SS
206-44-0	Fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 13:13	SS
86-73-7	Fluorene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 13:13	SS
118-74-1	Hexachlorobenzene	ND		ug/L	0.0200	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	11/22/2024 15:52	11/25/2024 13:13	SS
87-68-3	Hexachlorobutadiene	ND	R CCVE, QL-02	ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	11/22/2024 15:52	11/25/2024 13:13	SS
67-72-1	Hexachloroethane	ND	R QL-02	ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	11/22/2024 15:52	11/25/2024 13:13	SS
193-39-5	Indeno(1,2,3-cd)pyrene	ND	CAL-E	ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 13:13	SS
91-20-3	Naphthalene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/22/2024 15:52	11/25/2024 13:13	SS
98-95-3	Nitrobenzene	ND	R CCVE, ICVE, QL-02	ug/L	0.250	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	11/22/2024 15:52	11/25/2024 13:13	SS



Sample Information

<u>Client Sample ID:</u> MW-105			<u>York Sample ID:</u> 24K1290-02	
<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
24K1290	350-352 Liberty St. / NEW6313.RA	Ground Water	November 15, 2024 3:05 pm	11/18/2024

SVOA, 8270 SIM MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
62-75-9	N-Nitrosodimethylamine	ND	R	QL-02 ug/L	0.500	1	EPA 8270D SIM	11/22/2024 15:52	11/25/2024 13:13	SS
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005			
87-86-5	Pentachlorophenol	ND		ug/L	0.250	1	EPA 8270D SIM	11/22/2024 15:52	11/25/2024 13:13	SS
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005			
85-01-8	Phenanthrene	ND		ug/L	0.0500	1	EPA 8270D SIM	11/22/2024 15:52	11/25/2024 13:13	SS
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
129-00-0	Pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM	11/22/2024 15:52	11/25/2024 13:13	SS
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst			
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270E SIM	11/19/2024 15:29	11/21/2024 13:15	SS			
							Certifications: NJDEP-CT005,NELAC-NY10854						
Surrogate Recoveries		Result	Acceptance Range										
17647-74-4	Surrogate: 1,4-Dioxane-d8	72.0 %	36.6-118										

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	7.80		ng/L	0.442	1.66	1	EPA 1633 Draft 3	11/23/2024 13:02	11/25/2024 18:24	AM
							Certifications:	NELAC-NY12058,NJDEP-NY037			
307-24-4	Perfluorohexanoic acid (PFHxA)	13.0	J	ng/L	0.329	1.88	1	EPA 1633 Draft 3	11/23/2024 13:02	11/25/2024 18:24	AM
							Certifications:	NELAC-NY12058,NJDEP-NY037			
375-85-9	Perfluoroheptanoic acid (PFHpA)	7.04	J	ng/L	0.667	1.88	1	EPA 1633 Draft 3	11/23/2024 13:02	11/25/2024 18:24	AM
							Certifications:	NELAC-NY12058,NJDEP-NY037			
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	6.03		ng/L	0.639	1.72	1	EPA 1633 Draft 3	11/23/2024 13:02	11/25/2024 18:24	AM
							Certifications:	NELAC-NY12058,NJDEP-NY037			
335-67-1	Perfluorooctanoic acid (PFOA)	20.9	J	ng/L	0.395	1.88	1	EPA 1633 Draft 3	11/23/2024 13:02	11/25/2024 18:24	AM
							Certifications:	NELAC-NY12058,NJDEP-NY037			
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	29.2	J	ng/L	0.771	1.75	1	EPA 1633 Draft 3	11/23/2024 13:02	11/25/2024 18:24	AM
							Certifications:	NELAC-NY12058,NJDEP-NY037			
375-95-1	Perfluorononanoic acid (PFNA)	2.67	J	ng/L	0.489	1.88	1	EPA 1633 Draft 3	11/23/2024 13:02	11/25/2024 18:24	AM
							Certifications:	NELAC-NY12058,NJDEP-NY037			
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.705	1.88	1	EPA 1633 Draft 3	11/23/2024 13:02	11/25/2024 18:24	AM
							Certifications:	NELAC-NY12058,NJDEP-NY037			
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.06	1.88	1	EPA 1633 Draft 3	11/23/2024 13:02	11/25/2024 18:24	AM
							Certifications:	NELAC-NY12058,NJDEP-NY037			
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.827	1.88	1	EPA 1633 Draft 3	11/23/2024 13:02	11/25/2024 18:24	AM
							Certifications:	NELAC-NY12058,NJDEP-NY037			
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.695	1.88	1	EPA 1633 Draft 3	11/23/2024 13:02	11/25/2024 18:24	AM
							Certifications:	NELAC-NY12058,NJDEP-NY037			
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.648	1.88	1	EPA 1633 Draft 3	11/23/2024 13:02	11/25/2024 18:24	AM
							Certifications:	NJDEP-NY037			
2355-31-9	N-MeFOSAA	ND		ng/L	0.742	1.88	1	EPA 1633 Draft 3	11/23/2024 13:02	11/25/2024 18:24	AM
							Certifications:	NELAC-NY12058,NJDEP-NY037			



Sample Information

Client Sample ID: MW-105

York Sample ID: 24K1290-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24K1290

350-352 Liberty St. / NEW6313.RA

Ground Water

November 15, 2024 3:05 pm

11/18/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2991-50-6	N-EtFOSAA	ND		ng/L	0.968	1.88	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:24	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	13.5	J	ng/L	0.216	3.76	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:24	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.827	1.88	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:24	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.855	1.80	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:24	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.24	1.81	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:24	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	7.05	7.14	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:24	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.93	7.22	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:24	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	7.08	J	ng/L	0.310	7.52	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:24	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	0.470	3.35	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/23/2024 13:02	11/25/2024 18:24	AM
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	2.01	3.76	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/23/2024 13:02	11/25/2024 18:24	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND	R	ng/L	0.235	3.76	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/23/2024 13:02	11/25/2024 18:24	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.348	3.76	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/23/2024 13:02	11/25/2024 18:24	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	1.01	J	ng/L	0.714	1.77	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:24	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.68	7.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:24	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.04	7.52	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:24	AM
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.30	7.11	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:24	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	0.658	7.03	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:24	AM
919005-14-4	ADONA	ND		ng/L	0.498	7.11	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:24	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.874	1.82	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:24	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.808	1.80	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:24	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	1.91	4.70	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:24	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	6.89	23.5	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:24	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	8.90	23.5	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/23/2024 13:02	11/25/2024 18:24	AM



Sample Information

<u>Client Sample ID:</u> MW-105		<u>York Sample ID:</u> 24K1290-02		
<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
24K1290	350-352 Liberty St. / NEW6313.RA	Ground Water	November 15, 2024 3:05 pm	11/18/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
24448-09-7	* N-MeFOSE	ND		ng/L	3.75	18.8	1	EPA 1633 Draft 3	11/23/2024 13:02	11/25/2024 18:24	AM
							Certifications:				
31506-32-8	* N-MeFOSA	ND		ng/L	1.48	1.88	1	EPA 1633 Draft 3	11/23/2024 13:02	11/25/2024 18:24	AM
							Certifications:				
1691-99-2	* N-EtFOSE	ND		ng/L	3.75	18.8	1	EPA 1633 Draft 3	11/23/2024 13:02	11/25/2024 18:24	AM
							Certifications:				
4151-50-2	* N-EtFOSA	ND		ng/L	1.69	1.88	1	EPA 1633 Draft 3	11/23/2024 13:02	11/25/2024 18:24	AM
							Certifications:				
	Surrogate Recoveries	Result			Acceptance Range						
M3PFBS	Surrogate: M3PFBS	112 %			25-150						
13C5PFHXA	Surrogate: M5PFHxA	119 %			25-150						
13C4PFHPA	Surrogate: M4PFHpA	142 %			25-150						
13C3PFHXS	Surrogate: M3PFHxS	119 %			25-150						
13C8PFOA	Surrogate: Perfluoro-n-[13C8]octanoic acid	113 %			25-150						
13C6PFDA	Surrogate: M6PFDA	99.8 %			25-150						
13C7PFUNA	Surrogate: M7PFUdA	108 %			25-150						
960315-52-0	Surrogate: Perfluoro-n-[1,2-13C2]dodecanol	132 %			25-150						
13C2PFTEDA	Surrogate: M2PFTeDA	174 %	PFSu-H		10-150						
13C4PFBA	Surrogate: Perfluoro-n-[13C4]butanoic acid	84.7 %			25-150						
13C8PFOS	Surrogate: Perfluoro-1-[13C8]octanesulfonate	104 %			25-150						
13C5PFPEA	Surrogate: Perfluoro-n-[13C5]pentanoic acid	126 %			25-150						
13C8FOSA	Surrogate: Perfluoro-1-[13C8]octanesulfonate	112 %			10-150						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	116 %			25-150						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	103 %			25-150						
M2-6:2FTS	Surrogate: M2-6:2 FTS	178 %			25-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	154 %			25-200						
13C9PFNA	Surrogate: M9PFNA	111 %			25-150						
M2-4:2FTS	Surrogate: M2-4:2 FTS	145 %			25-150						
936109-37-4	Surrogate: d-N-MeFOSA	122 %			25-150						
936109-40-9	Surrogate: d-N-EtFOSA	122 %			25-150						
M3HFPO-DA	Surrogate: M3HFPO-DA	149 %			25-150						
D9-NETPFOSA	Surrogate: d9-N-EtFOSE	94.6 %			25-150						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	88.3 %			25-150						



Sample Information

<u>Client Sample ID:</u> MW-105			<u>York Sample ID:</u> 24K1290-02	
<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
24K1290	350-352 Liberty St. / NEW6313.RA	Ground Water	November 15, 2024 3:05 pm	11/18/2024

Semi-Volatiles, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.00		ug/L			1	EPA 8270D	11/22/2024 15:52	11/25/2024 10:53	SS
Certifications:											

Metals, RCRA (no Hg) by 6020

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		ug/L	1.11	1	EPA 6020B	11/21/2024 08:22	11/22/2024 13:27	cw
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
7440-39-3	Barium	141	J+	ug/L	1.11	1	EPA 6020B	11/21/2024 08:22	11/22/2024 13:27	cw
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B	11/21/2024 08:22	11/22/2024 13:27	cw
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
7440-47-3	Chromium	1.13	J	ug/L	1.11	1	EPA 6020B	11/21/2024 08:22	11/22/2024 13:27	cw
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
7439-92-1	Lead	ND		ug/L	1.11	1	EPA 6020B	11/21/2024 08:22	11/22/2024 13:27	cw
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
7782-49-2	Selenium	1.56	J+	ug/L	1.11	1	EPA 6020B	11/21/2024 08:22	11/22/2024 13:27	cw
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
7440-22-4	Silver	ND		ug/L	1.11	1	EPA 6020B	11/21/2024 08:22	11/22/2024 13:27	cw
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470	11/22/2024 08:16	11/22/2024 08:16	PFA
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440										

Sample Information

<u>Client Sample ID:</u>		MW-202		<u>York Sample ID:</u>		24K1290-03			
<u>York Project (SDG) No.</u>		<u>Client Project ID</u>		<u>Matrix</u>		<u>Collection Date/Time</u>		<u>Date Received</u>	
24K1290		350-352 Liberty St. / NEW6313.RA		Ground Water		November 15, 2024 4:45 pm		11/18/2024	

VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:02	PD
Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440											
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:02	PD
Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440											
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:02	PD
Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440											



Sample Information

<u>Client Sample ID:</u> MW-202			<u>York Sample ID:</u> 24K1290-03	
<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
24K1290	350-352 Liberty St. / NEW6313.RA	Ground Water	November 15, 2024 4:45 pm	11/18/2024

VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:02	PD
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:02	PD
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:02	PD
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:02	PD
87-61-6	1,2,3-Trichlorobenzene	0.320	U B	ug/L	0.222	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:02	PD
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:02	PD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:02	PD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:02	PD
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:02	PD
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:02	PD
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:02	PD
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:02	PD
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:02	PD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:02	PD
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:02	PD
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:02	PD
123-91-1	1,4-Dioxane	ND		ug/L	35.3	80.0	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:02	PD
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:02	PD
591-78-6	2-Hexanone	ND		ug/L	0.320	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:02	PD
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:02	PD
67-64-1	Acetone	ND		ug/L	1.34	2.00	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:02	PD
107-02-8	Acrolein	0.920	U CCVE, B	ug/L	0.447	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:02	PD
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:02	PD
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:02	PD



Sample Information

<u>Client Sample ID:</u> MW-202			<u>York Sample ID:</u> 24K1290-03	
<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
24K1290	350-352 Liberty St. / NEW6313.RA	Ground Water	November 15, 2024 4:45 pm	11/18/2024

VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:02	PD
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:02	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
75-25-2	Bromoform	ND		ug/L	0.163	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:02	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
74-83-9	Bromomethane	ND	CCVE	ug/L	0.119	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:02	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:02	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:02	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:02	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:02	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
67-66-3	Chloroform	1.16	R	ug/L	0.243	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:02	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
74-87-3	Chloromethane	ND	CCVE	ug/L	0.372	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:02	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:02	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:02	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
110-82-7	Cyclohexane	ND		ug/L	0.491	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:02	PD
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:02	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:02	PD
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
75-71-8	Dichlorodifluoromethane	ND	UJ	CCVE, ug/L	0.451	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:02	PD
				ICVE, QL-02			Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:02	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
87-68-3	Hexachlorobutadiene	0.250		ug/L	0.241	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:02	PD
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:02	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:02	PD
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:02	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:02	PD
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:02	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			



Sample Information

<u>Client Sample ID:</u> MW-202			<u>York Sample ID:</u> 24K1290-03	
<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
24K1290	350-352 Liberty St. / NEW6313.RA	Ground Water	November 15, 2024 4:45 pm	11/18/2024

VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:02	PD	
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE				
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:02	PD	
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE				
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:02	PD	
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-04440				
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:02	PD	
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-04440				
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:02	PD	
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE				
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:02	PD	
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE				
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:02	PD	
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE				
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.608	1.00	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:02	PD	
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440				
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:02	PD	
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE				
127-18-4	Tetrachloroethylene	ND	UJ	CCVE, ICVE, QL-02	ug/L	0.239	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:02	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE				
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:02	PD	
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE				
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:02	PD	
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE				
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:02	PD	
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE				
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:02	PD	
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE				
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:02	PD	
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE				
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:02	PD	
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE				
1330-20-7	Xylenes, Total	ND		ug/L	0.839	1.50	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:02	PD	
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005				
Surrogate Recoveries		Result	Acceptance Range									
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	109 %	69-130									
2037-26-5	Surrogate: SURR: Toluene-d8	96.7 %	81-117									
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	98.1 %	79-122									

Volatile Organics, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.0		ug/L			1	EPA 8260C	11/21/2024 08:00	11/21/2024 15:02	PD
							Certifications:				



Sample Information

Client Sample ID: MW-202

York Sample ID: 24K1290-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24K1290

350-352 Liberty St. / NEW6313.RA

Ground Water

November 15, 2024 4:45 pm

11/18/2024

SVOA, 8270 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 13:21	SS
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 13:21	SS
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 13:21	SS
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 13:21	SS
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 13:21	SS
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 13:21	SS
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 13:21	SS
105-67-9	2,4-Dimethylphenol	ND	ICVE	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 13:21	SS
51-28-5	2,4-Dinitrophenol	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 13:21	SS
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 13:21	SS
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 13:21	SS
91-58-7	2-Chloronaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 13:21	SS
95-57-8	2-Chlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 13:21	SS
91-57-6	2-Methylnaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 13:21	SS
95-48-7	2-Methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 13:21	SS
88-74-4	2-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 13:21	SS
88-75-5	2-Nitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 13:21	SS
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 13:21	SS
91-94-1	3,3-Dichlorobenzidine	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 13:21	SS
99-09-2	3-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 13:21	SS
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 13:21	SS
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 13:21	SS
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 13:21	SS
106-47-8	4-Chloroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 13:21	SS



Sample Information

<u>Client Sample ID:</u> MW-202			<u>York Sample ID:</u> 24K1290-03	
<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
24K1290	350-352 Liberty St. / NEW6313.RA	Ground Water	November 15, 2024 4:45 pm	11/18/2024

SVOA, 8270 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:21	SS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
100-01-6	4-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:21	SS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
100-02-7	4-Nitrophenol	ND	R	ug/L	5.00	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:21	SS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
98-86-2	Acetophenone	ND		CAL-E ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:21	SS
Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
62-53-3	Aniline	ND		ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:21	SS
Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
100-52-7	Benzaldehyde	ND		CAL-E ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:21	SS
Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
92-87-5	Benzidine	ND		CAL-E, ug/L CCVE	5.00	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:21	SS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
65-85-0	Benzoic acid	ND	R	CAL-E ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:21	SS
Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
100-51-6	Benzyl alcohol	ND		ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:21	SS
Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:21	SS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:21	SS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.00	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:21	SS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:21	SS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
105-60-2	Caprolactam	ND	R	CAL-E ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:21	SS
Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
86-74-8	Carbazole	ND		ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:21	SS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
132-64-9	Dibenzofuran	ND		ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:21	SS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
84-66-2	Diethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:21	SS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
131-11-3	Dimethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:21	SS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:21	SS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:21	SS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
122-39-4	Diphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:21	SS
Certifications: NELAC-NY10854,PADEP-68-04440											
77-47-4	Hexachlorocyclopentadiene	ND		ICVE ug/L	5.00	10.0	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:21	SS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
78-59-1	Isophorone	ND		ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:21	SS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:21	SS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											



Sample Information

<u>Client Sample ID:</u> MW-202			<u>York Sample ID:</u> 24K1290-03	
<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
24K1290	350-352 Liberty St. / NEW6313.RA	Ground Water	November 15, 2024 4:45 pm	11/18/2024

SVOA, 8270 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:21	SS
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
108-95-2	Phenol	ND		ug/L	0.750	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:21	SS
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
110-86-1	Pyridine	ND	R	ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:21	SS
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	28.9 %	19.7-63.1								
13127-88-3	Surrogate: SURR: Phenol-d6	15.4 %	10.1-41.7								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	72.8 %	50.2-113								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	62.4 %	39.9-105								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	87.1 %	39.3-151								
1718-51-0	Surrogate: SURR: Terphenyl-d14	73.0 %	30.7-106								

SVOA, 8270 SIM MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0500	1	EPA 8270D SIM	11/21/2024 08:22	11/22/2024 15:35	SS
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
208-96-8	Acenaphthylene	ND		ug/L	0.0500	1	EPA 8270D SIM	11/21/2024 08:22	11/22/2024 15:35	SS
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
120-12-7	Anthracene	ND		ug/L	0.0500	1	EPA 8270D SIM	11/21/2024 08:22	11/22/2024 15:35	SS
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
1912-24-9	Atrazine	ND		ug/L	0.500	1	EPA 8270D SIM	11/21/2024 08:22	11/22/2024 15:35	SS
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005			
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0500	1	EPA 8270D SIM	11/21/2024 08:22	11/22/2024 15:35	SS
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM	11/21/2024 08:22	11/22/2024 15:35	SS
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM	11/21/2024 08:22	11/22/2024 15:35	SS
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0500	1	EPA 8270D SIM	11/21/2024 08:22	11/22/2024 15:35	SS
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM	11/21/2024 08:22	11/22/2024 15:35	SS
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.500	1	EPA 8270D SIM	11/21/2024 08:22	11/22/2024 15:35	SS
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005			
218-01-9	Chrysene	ND		ug/L	0.0500	1	EPA 8270D SIM	11/21/2024 08:22	11/22/2024 15:35	SS
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0500	1	EPA 8270D SIM	11/21/2024 08:22	11/22/2024 15:35	SS
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
206-44-0	Fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM	11/21/2024 08:22	11/22/2024 15:35	SS
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
86-73-7	Fluorene	ND		ug/L	0.0500	1	EPA 8270D SIM	11/21/2024 08:22	11/22/2024 15:35	SS
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			



Sample Information

<u>Client Sample ID:</u> MW-202			<u>York Sample ID:</u> 24K1290-03	
<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
24K1290	350-352 Liberty St. / NEW6313.RA	Ground Water	November 15, 2024 4:45 pm	11/18/2024

SVOA, 8270 SIM MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
118-74-1	Hexachlorobenzene	ND		ug/L	0.0200	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	11/21/2024 08:22	11/22/2024 15:35	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	11/21/2024 08:22	11/22/2024 15:35	SS
67-72-1	Hexachloroethane	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	11/21/2024 08:22	11/22/2024 15:35	SS
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 15:35	SS
91-20-3	Naphthalene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 15:35	SS
98-95-3	Nitrobenzene	ND		ug/L	0.250	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	11/21/2024 08:22	11/22/2024 15:35	SS
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	11/21/2024 08:22	11/22/2024 15:35	SS
87-86-5	Pentachlorophenol	ND		ug/L	0.250	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	11/21/2024 08:22	11/22/2024 15:35	SS
85-01-8	Phenanthrene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 15:35	SS
129-00-0	Pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 15:35	SS

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270E SIM Certifications: NJDEP-CT005,NELAC-NY10854	11/19/2024 15:29	11/21/2024 11:46	SS
Surrogate Recoveries		Result	Acceptance Range							
17647-74-4	Surrogate: 1,4-Dioxane-d8	76.0 %	36.6-118							

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	6.88		ng/L	0.439	1.65	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:12	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	7.39		ng/L	0.327	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:12	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	5.23	J	ng/L	0.662	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:12	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	6.06		ng/L	0.634	1.71	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:12	AM
335-67-1	Perfluorooctanoic acid (PFOA)	14.6		ng/L	0.392	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:12	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	19.4		ng/L	0.765	1.74	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:12	AM
375-95-1	Perfluorononanoic acid (PFNA)	2.41		ng/L	0.485	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:12	AM



Sample Information

Client Sample ID: MW-202

York Sample ID: 24K1290-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24K1290

350-352 Liberty St. / NEW6313.RA

Ground Water

November 15, 2024 4:45 pm

11/18/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.700	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:12	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.05	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:12	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.821	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:12	AM
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.690	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:12	AM
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.644	1.87	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:12	AM
2355-31-9	N-MeFOSAA	ND		ng/L	0.737	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:12	AM
2991-50-6	N-EtFOSAA	ND		ng/L	0.961	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:12	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	8.55		ng/L	0.215	3.73	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:12	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.821	1.87	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:12	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.849	1.78	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:12	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.23	1.80	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:12	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	7.00	7.09	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:12	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.91	7.17	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:12	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	7.74		ng/L	0.308	7.46	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:12	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.467	3.32	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/23/2024 13:02	11/25/2024 19:12	AM
151772-58-6	Perfluoro-3,6-dioxahепtanoic acid (NFDHA)	ND		ng/L	2.00	3.73	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/23/2024 13:02	11/25/2024 19:12	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND	R	ng/L	0.233	3.73	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/23/2024 13:02	11/25/2024 19:12	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.345	3.73	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/23/2024 13:02	11/25/2024 19:12	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	0.867	J	ng/L	0.709	1.75	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:12	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.67	7.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:12	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.01	7.46	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:12	AM
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.29	7.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:12	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	0.653	6.98	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:12	AM



Sample Information

<u>Client Sample ID:</u> MW-202		<u>York Sample ID:</u> 24K1290-03		
<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
24K1290	350-352 Liberty St. / NEW6313.RA	Ground Water	November 15, 2024 4:45 pm	11/18/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
919005-14-4	ADONA	ND		ng/L	0.494	7.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:12	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.868	1.81	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 19:12	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.802	1.79	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:12	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	1.89	4.67	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 19:12	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	6.84	23.3	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 19:12	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	8.84	23.3	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 19:12	AM
24448-09-7	* N-MeFOSE	ND		ng/L	3.72	18.7	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 19:12	AM
31506-32-8	* N-MeFOSA	ND		ng/L	1.47	1.87	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 19:12	AM
1691-99-2	* N-EtFOSE	ND		ng/L	3.72	18.7	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 19:12	AM
4151-50-2	* N-EtFOSA	ND		ng/L	1.68	1.87	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 19:12	AM
Surrogate Recoveries		Result	Acceptance Range								
M3PFBS	Surrogate: M3PFBS	128 %			25-150						
13C5PFHXA	Surrogate: M5PFHxA	136 %			25-150						
13C4PFHPA	Surrogate: M4PFHpA	156 %	PFSu-H		25-150						
13C3PFHXS	Surrogate: M3PFHxS	130 %			25-150						
13C8PFOA	Surrogate: Perfluoro-n-[13C8]octanoic acid	130 %			25-150						
13C6PFDA	Surrogate: M6PFDA	125 %			25-150						
13C7PFUNA	Surrogate: M7PFUdA	140 %			25-150						
960315-52-0	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid	154 %	PFSu-H		25-150						
13C2PFTEDA	Surrogate: M2PFTeDA	184 %	PFSu-H		10-150						
13C4PFBA	Surrogate: Perfluoro-n-[13C4]butanoic acid	38.4 %			25-150						
13C8PFOS	Surrogate: Perfluoro-1-[13C8]octanesulfonate	120 %			25-150						
13C5PFPEA	Surrogate: Perfluoro-n-[13C5]pentanoic acid	129 %			25-150						
13C8FOSA	Surrogate: Perfluoro-1-[13C8]octanesulfonate	107 %			10-150						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	114 %			25-150						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	102 %			25-150						
M2-6:2FTS	Surrogate: M2-6:2 FTS	207 %	PFSu-H		25-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	166 %			25-200						
13C9PFNA	Surrogate: M9PFNA	119 %			25-150						
M2-4:2FTS	Surrogate: M2-4:2 FTS	169 %	PFSu-H		25-150						
936109-37-4	Surrogate: d-N-MeFOSA	117 %			25-150						
936109-40-9	Surrogate: d-N-EtFOSA	125 %			25-150						
M3HFPO-DA	Surrogate: M3HFPO-DA	170 %	PFSu-H		25-150						



Sample Information

Client Sample ID: MW-202

York Sample ID: 24K1290-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24K1290

350-352 Liberty St. / NEW6313.RA

Ground Water

November 15, 2024 4:45 pm

11/18/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
D9-NETPFOSA	Surrogate: d9-N-EtFOSE	89.0 %			25-150						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	82.0 %			25-150						

Semi-Volatiles, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.00		ug/L			1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:21	SS
Certifications:											

Metals, RCRA (no Hg) by 6020

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		ug/L	1.11	1	EPA 6020B	11/21/2024 08:22	11/22/2024 13:41	cw
						Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440				
7440-39-3	Barium	147	J+	ug/L	1.11	1	EPA 6020B	11/21/2024 08:22	11/22/2024 13:41	cw
						Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440				
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B	11/21/2024 08:22	11/22/2024 13:41	cw
						Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440				
7440-47-3	Chromium	ND		ug/L	1.11	1	EPA 6020B	11/21/2024 08:22	11/22/2024 13:41	cw
						Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440				
7439-92-1	Lead	ND		ug/L	1.11	1	EPA 6020B	11/21/2024 08:22	11/22/2024 13:41	cw
						Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440				
7782-49-2	Selenium	ND		ug/L	1.11	1	EPA 6020B	11/21/2024 08:22	11/22/2024 13:41	cw
						Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440				
7440-22-4	Silver	ND		ug/L	1.11	1	EPA 6020B	11/21/2024 08:22	11/22/2024 13:41	cw
						Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440				

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

					Reported to			Date/Time	Date/Time	
CAS No.	Parameter	Result	Flag	Units	LOO	Dilution	Reference Method	Prepared	Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470	11/22/2024 08:16	11/22/2024 08:16	PFA
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440										

Sample Information

Client Sample ID: MW-201

York Sample ID: 24K1290-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24K1290

350-352 Liberty St. / NEW6313.RA

Ground Water

November 15, 2024 4:56 pm

11/18/2024



Sample Information

Client Sample ID: MW-201

York Sample ID: 24K1290-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24K1290

350-352 Liberty St. / NEW6313.RA

Ground Water

November 15, 2024 4:56 pm

11/18/2024

VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:29	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:29	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:29	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:29	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:29	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:29	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:29	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:29	PD
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:29	PD
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:29	PD
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:29	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:29	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:29	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:29	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:29	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:29	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:29	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:29	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:29	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
123-91-1	1,4-Dioxane	ND		ug/L	35.3	80.0	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:29	PD
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:29	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
591-78-6	2-Hexanone	ND		ug/L	0.320	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:29	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:29	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
67-64-1	Acetone	ND		ug/L	1.34	2.00	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:29	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			



Sample Information

<u>Client Sample ID:</u> MW-201			<u>York Sample ID:</u> 24K1290-04	
<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
24K1290	350-352 Liberty St. / NEW6313.RA	Ground Water	November 15, 2024 4:56 pm	11/18/2024

VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-02-8	Acrolein	1.08	U	B, CCVE	ug/L	0.447	0.500	1 EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:00	11/21/2024 15:29	PD
107-13-1	Acrylonitrile	ND			ug/L	0.422	0.500	1 EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:00	11/21/2024 15:29	PD
71-43-2	Benzene	ND			ug/L	0.279	0.500	1 EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:00	11/21/2024 15:29	PD
74-97-5	Bromochloromethane	ND			ug/L	0.354	0.500	1 EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:00	11/21/2024 15:29	PD
75-27-4	Bromodichloromethane	ND			ug/L	0.245	0.500	1 EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:00	11/21/2024 15:29	PD
75-25-2	Bromoform	ND			ug/L	0.163	0.500	1 EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:00	11/21/2024 15:29	PD
74-83-9	Bromomethane	ND		CCVE	ug/L	0.119	0.500	1 EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:00	11/21/2024 15:29	PD
75-15-0	Carbon disulfide	ND			ug/L	0.362	0.500	1 EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:00	11/21/2024 15:29	PD
56-23-5	Carbon tetrachloride	ND			ug/L	0.204	0.500	1 EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:00	11/21/2024 15:29	PD
108-90-7	Chlorobenzene	ND			ug/L	0.284	0.500	1 EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:00	11/21/2024 15:29	PD
75-00-3	Chloroethane	ND			ug/L	0.448	0.500	1 EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:00	11/21/2024 15:29	PD
67-66-3	Chloroform	0.800	R		ug/L	0.243	0.500	1 EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:00	11/21/2024 15:29	PD
74-87-3	Chloromethane	ND		CCVE	ug/L	0.372	0.500	1 EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:00	11/21/2024 15:29	PD
156-59-2	cis-1,2-Dichloroethylene	ND			ug/L	0.294	0.500	1 EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:00	11/21/2024 15:29	PD
10061-01-5	cis-1,3-Dichloropropylene	ND			ug/L	0.262	0.500	1 EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:00	11/21/2024 15:29	PD
110-82-7	Cyclohexane	ND			ug/L	0.491	0.500	1 EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:00	11/21/2024 15:29	PD
124-48-1	Dibromochloromethane	ND			ug/L	0.146	0.500	1 EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:00	11/21/2024 15:29	PD
74-95-3	Dibromomethane	ND			ug/L	0.203	0.500	1 EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:00	11/21/2024 15:29	PD
75-71-8	Dichlorodifluoromethane	ND	UJ	CCVE, ICVE, QL-02	ug/L	0.451	0.500	1 EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:00	11/21/2024 15:29	PD
100-41-4	Ethyl Benzene	ND			ug/L	0.290	0.500	1 EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:00	11/21/2024 15:29	PD
87-68-3	Hexachlorobutadiene	ND			ug/L	0.241	0.500	1 EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:00	11/21/2024 15:29	PD
98-82-8	Isopropylbenzene	ND			ug/L	0.405	0.500	1 EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:00	11/21/2024 15:29	PD
79-20-9	Methyl acetate	ND			ug/L	0.442	0.500	1 EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:00	11/21/2024 15:29	PD



Sample Information

<u>Client Sample ID:</u> MW-201			<u>York Sample ID:</u> 24K1290-04	
<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
24K1290	350-352 Liberty St. / NEW6313.RA	Ground Water	November 15, 2024 4:56 pm	11/18/2024

VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:29	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:29	PD
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:29	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:29	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:29	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:29	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:29	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:29	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:29	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:29	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.608	1.00	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:29	PD
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:29	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
127-18-4	Tetrachloroethylene	ND	UJ CCVE, ICVE, QL-02	ug/L	0.239	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:29	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:29	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:29	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:29	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:29	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:29	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:29	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
1330-20-7	Xylenes, Total	ND		ug/L	0.839	1.50	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:29	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	106 %	69-130
2037-26-5	Surrogate: SURR: Toluene-d8	96.3 %	81-117
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	97.9 %	79-122



Sample Information

Client Sample ID: MW-201

York Sample ID: 24K1290-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24K1290

350-352 Liberty St. / NEW6313.RA

Ground Water

November 15, 2024 4:56 pm

11/18/2024

Volatile Organics, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.0		ug/L			1	EPA 8260C	11/21/2024 08:00	11/21/2024 15:29	PD
Certifications:											

SVOA, 8270 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:51	SS
Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:51	SS
Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:51	SS
Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:51	SS
Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:51	SS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:51	SS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:51	SS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
105-67-9	2,4-Dimethylphenol	ND	ICVE	ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:51	SS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
51-28-5	2,4-Dinitrophenol	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:51	SS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:51	SS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:51	SS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
91-58-7	2-Chloronaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:51	SS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
95-57-8	2-Chlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:51	SS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
91-57-6	2-Methylnaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:51	SS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
95-48-7	2-Methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:51	SS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
88-74-4	2-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:51	SS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
88-75-5	2-Nitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:51	SS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:51	SS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
91-94-1	3,3-Dichlorobenzidine	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:51	SS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
99-09-2	3-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:51	SS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:51	SS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											



Sample Information

Client Sample ID: MW-201

York Sample ID: 24K1290-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24K1290

350-352 Liberty St. / NEW6313.RA

Ground Water

November 15, 2024 4:56 pm

11/18/2024

SVOA, 8270 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:51	SS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:51	SS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
106-47-8	4-Chloroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:51	SS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:51	SS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
100-01-6	4-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:51	SS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
100-02-7	4-Nitrophenol	ND	R	ug/L	5.00	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:51	SS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
98-86-2	Acetophenone	ND		CAL-E ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:51	SS
Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
62-53-3	Aniline	ND		ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:51	SS
Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
100-52-7	Benzaldehyde	ND		CAL-E ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:51	SS
Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
92-87-5	Benzidine	ND		CAL-E, ug/L CCVE	5.00	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:51	SS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
65-85-0	Benzoic acid	ND	R	CAL-E ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:51	SS
Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
100-51-6	Benzyl alcohol	ND		ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:51	SS
Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:51	SS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:51	SS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.00	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:51	SS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:51	SS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
105-60-2	Caprolactam	ND	R	CAL-E ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:51	SS
Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
86-74-8	Carbazole	ND		ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:51	SS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
132-64-9	Dibenzofuran	ND		ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:51	SS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
84-66-2	Diethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:51	SS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
131-11-3	Dimethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:51	SS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:51	SS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:51	SS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
122-39-4	Diphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:51	SS
Certifications: NELAC-NY10854,PADEP-68-04440											



Sample Information

<u>Client Sample ID:</u> MW-201			<u>York Sample ID:</u> 24K1290-04	
<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
24K1290	350-352 Liberty St. / NEW6313.RA	Ground Water	November 15, 2024 4:56 pm	11/18/2024

SVOA, 8270 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
77-47-4	Hexachlorocyclopentadiene	ND		ICVE ug/L	5.00	10.0	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 13:51	SS
78-59-1	Isophorone	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 13:51	SS
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 13:51	SS
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 13:51	SS
108-95-2	Phenol	ND		ug/L	0.750	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 13:51	SS
110-86-1	Pyridine	ND	R	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 13:51	SS
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	31.6 %	19.7-63.1								
13127-88-3	Surrogate: SURR: Phenol-d6	17.3 %	10.1-41.7								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	71.2 %	50.2-113								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	62.8 %	39.9-105								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	86.3 %	39.3-151								
1718-51-0	Surrogate: SURR: Terphenyl-d14	71.2 %	30.7-106								

SVOA, 8270 SIM MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 16:05	SS
208-96-8	Acenaphthylene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 16:05	SS
120-12-7	Anthracene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 16:05	SS
1912-24-9	Atrazine	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	11/21/2024 08:22	11/22/2024 16:05	SS
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 16:05	SS
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 16:05	SS
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 16:05	SS
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 16:05	SS
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 16:05	SS
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	11/21/2024 08:22	11/22/2024 16:05	SS
218-01-9	Chrysene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 16:05	SS



Sample Information

<u>Client Sample ID:</u> MW-201		<u>York Sample ID:</u> 24K1290-04		
<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
24K1290	350-352 Liberty St. / NEW6313.RA	Ground Water	November 15, 2024 4:56 pm	11/18/2024

SVOA, 8270 SIM MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0500	1	EPA 8270D SIM	11/21/2024 08:22	11/22/2024 16:05	SS
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
206-44-0	Fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM	11/21/2024 08:22	11/22/2024 16:05	SS
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
86-73-7	Fluorene	ND		ug/L	0.0500	1	EPA 8270D SIM	11/21/2024 08:22	11/22/2024 16:05	SS
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
118-74-1	Hexachlorobenzene	ND		ug/L	0.0200	1	EPA 8270D SIM	11/21/2024 08:22	11/22/2024 16:05	SS
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.500	1	EPA 8270D SIM	11/21/2024 08:22	11/22/2024 16:05	SS
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005			
67-72-1	Hexachloroethane	ND		ug/L	0.500	1	EPA 8270D SIM	11/21/2024 08:22	11/22/2024 16:05	SS
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005			
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM	11/21/2024 08:22	11/22/2024 16:05	SS
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
91-20-3	Naphthalene	ND		ug/L	0.0500	1	EPA 8270D SIM	11/21/2024 08:22	11/22/2024 16:05	SS
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
98-95-3	Nitrobenzene	ND		ug/L	0.250	1	EPA 8270D SIM	11/21/2024 08:22	11/22/2024 16:05	SS
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005			
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.500	1	EPA 8270D SIM	11/21/2024 08:22	11/22/2024 16:05	SS
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005			
87-86-5	Pentachlorophenol	ND		ug/L	0.250	1	EPA 8270D SIM	11/21/2024 08:22	11/22/2024 16:05	SS
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005			
85-01-8	Phenanthrene	ND		ug/L	0.0500	1	EPA 8270D SIM	11/21/2024 08:22	11/22/2024 16:05	SS
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
129-00-0	Pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM	11/21/2024 08:22	11/22/2024 16:05	SS
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270E SIM	11/19/2024 15:29	11/21/2024 12:04	SS
						Certifications:	NJDEP-CT005,NELAC-NY10854			
	Surrogate Recoveries	Result		Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	72.0 %		36.6-118						

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	6.75		ng/L	0.438	1.65	1	EPA 1633 Draft 3	11/23/2024 13:02	11/25/2024 19:28	AM
							Certifications:	NELAC-NY12058,NJDEP-NY037			
307-24-4	Perfluorohexanoic acid (PFHxA)	7.58		ng/L	0.326	1.87	1	EPA 1633 Draft 3	11/23/2024 13:02	11/25/2024 19:28	AM
							Certifications:	NELAC-NY12058,NJDEP-NY037			
375-85-9	Perfluoroheptanoic acid (PFHpA)	5.21		ng/L	0.662	1.87	1	EPA 1633 Draft 3	11/23/2024 13:02	11/25/2024 19:28	AM
							Certifications:	NELAC-NY12058,NJDEP-NY037			
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	5.43		ng/L	0.634	1.71	1	EPA 1633 Draft 3	11/23/2024 13:02	11/25/2024 19:28	AM
							Certifications:	NELAC-NY12058,NJDEP-NY037			



Sample Information

Client Sample ID: MW-201

York Sample ID: 24K1290-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24K1290

350-352 Liberty St. / NEW6313.RA

Ground Water

November 15, 2024 4:56 pm

11/18/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
335-67-1	Perfluorooctanoic acid (PFOA)	13.6		ng/L	0.392	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:28	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	23.5		ng/L	0.765	1.73	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:28	AM
375-95-1	Perfluorononanoic acid (PFNA)	2.13		ng/L	0.485	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:28	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.699	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:28	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.05	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:28	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.821	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:28	AM
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.690	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:28	AM
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.644	1.87	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:28	AM
2355-31-9	N-MeFOSAA	ND		ng/L	0.737	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:28	AM
2991-50-6	N-EtFOSAA	ND		ng/L	0.961	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:28	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	8.52		ng/L	0.215	3.73	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:28	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.821	1.87	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:28	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.849	1.78	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:28	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.23	1.80	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:28	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	6.99	7.09	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:28	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.91	7.16	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:28	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.308	7.46	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:28	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	ND		ng/L	0.466	3.32	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/23/2024 13:02	11/25/2024 19:28	AM
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	2.00	3.73	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/23/2024 13:02	11/25/2024 19:28	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND	R	ng/L	0.233	3.73	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/23/2024 13:02	11/25/2024 19:28	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.345	3.73	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/23/2024 13:02	11/25/2024 19:28	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	1.13	J	ng/L	0.709	1.75	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:28	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.67	6.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:28	AM



Sample Information

<u>Client Sample ID:</u> MW-201			<u>York Sample ID:</u> 24K1290-04	
<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
24K1290	350-352 Liberty St. / NEW6313.RA	Ground Water	November 15, 2024 4:56 pm	11/18/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.01	7.46	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:28	AM
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.29	7.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:28	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	0.653	6.98	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:28	AM
919005-14-4	ADONA	ND		ng/L	0.494	7.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:28	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.867	1.81	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 19:28	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.802	1.79	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:28	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	1.89	4.66	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 19:28	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	6.84	23.3	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 19:28	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	8.83	23.3	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 19:28	AM
24448-09-7	* N-MeFOSE	ND		ng/L	3.72	18.7	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 19:28	AM
31506-32-8	* N-MeFOSA	ND		ng/L	1.47	1.87	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 19:28	AM
1691-99-2	* N-EtFOSE	ND		ng/L	3.72	18.7	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 19:28	AM
4151-50-2	* N-EtFOSA	ND		ng/L	1.68	1.87	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 19:28	AM

Surrogate Recoveries		Result	Acceptance Range
M3PFBS	Surrogate: M3PFBS	102 %	25-150
13C5PFHXA	Surrogate: M5PFHxA	114 %	25-150
13C4PFHPA	Surrogate: M4PFHPA	121 %	25-150
13C3PFHXS	Surrogate: M3PFHxS	111 %	25-150
13C8PFOA	Surrogate: Perfluoro-n-[13C8]octanoic acid	106 %	25-150
13C6PFDA	Surrogate: M6PFDA	95.3 %	25-150
13C7PFUNA	Surrogate: M7PFUdA	99.1 %	25-150
960315-52-0	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid	97.1 %	25-150
13C2PFTEDA	Surrogate: M2PFTeDA	126 %	10-150
13C4PFBA	Surrogate: Perfluoro-n-[13C4]butanoic acid	28.3 %	25-150
13C8PFOS	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid	99.5 %	25-150
13C5PFPEA	Surrogate: Perfluoro-n-[13C5]pentanoic acid	102 %	25-150
13C8FOSA	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid	94.6 %	10-150
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	91.2 %	25-150
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	85.7 %	25-150
M2-6:2FTS	Surrogate: M2-6:2 FTS	162 %	25-200
M2-8:2FTS	Surrogate: M2-8:2 FTS	126 %	25-200



Sample Information

<u>Client Sample ID:</u> MW-201			<u>York Sample ID:</u> 24K1290-04	
<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
24K1290	350-352 Liberty St. / NEW6313.RA	Ground Water	November 15, 2024 4:56 pm	11/18/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
13C9PFNA	Surrogate: M9PFNA	102 %			25-150						
M2-4:2FTS	Surrogate: M2-4:2 FTS	140 %			25-150						
936109-37-4	Surrogate: d-N-MeFOSA	86.4 %			25-150						
936109-40-9	Surrogate: d-N-EtFOSA	90.6 %			25-150						
M3HFPO-DA	Surrogate: M3HFPO-DA	128 %			25-150						
D9-NETPFOSA	Surrogate: d9-N-EtFOSE	77.6 %			25-150						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	70.8 %			25-150						

Semi-Volatiles, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.00		ug/L			1	EPA 8270D	11/21/2024 08:22	11/22/2024 13:51	SS
								Certifications:			

Metals, RCRA (no Hg) by 6020

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		ug/L	1.11	1	EPA 6020B	11/21/2024 08:22	11/22/2024 13:44	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440		
7440-39-3	Barium	123	J+	ug/L	1.11	1	EPA 6020B	11/21/2024 08:22	11/22/2024 13:44	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440		
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B	11/21/2024 08:22	11/22/2024 13:44	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440		
7440-47-3	Chromium	ND		ug/L	1.11	1	EPA 6020B	11/21/2024 08:22	11/22/2024 13:44	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440		
7439-92-1	Lead	ND		ug/L	1.11	1	EPA 6020B	11/21/2024 08:22	11/22/2024 13:44	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440		
7782-49-2	Selenium	ND		ug/L	1.11	1	EPA 6020B	11/21/2024 08:22	11/22/2024 13:44	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440		
7440-22-4	Silver	ND		ug/L	1.11	1	EPA 6020B	11/21/2024 08:22	11/22/2024 13:44	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440		

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470	11/22/2024 08:16	11/22/2024 08:16	PFA
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440		



Sample Information

<u>Client Sample ID:</u> Dup		<u>York Sample ID:</u> 24K1290-05		
<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
24K1290	350-352 Liberty St. / NEW6313.RA	Ground Water	November 15, 2024 12:01 am	11/18/2024

VOA, 8260 LOW MASTER

Sample Prepared by Method: EPA 5030B

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:55	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:55	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:55	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:55	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:55	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:55	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:55	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:55	PD
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:55	PD
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:55	PD
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:55	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:55	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:55	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:55	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:55	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:55	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:55	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:55	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:55	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
123-91-1	1,4-Dioxane	ND		ug/L	35.3	80.0	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:55	PD
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:55	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
591-78-6	2-Hexanone	ND		ug/L	0.320	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:55	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:55	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
67-64-1	Acetone	ND		ug/L	1.34	2.00	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:55	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			



Sample Information

<u>Client Sample ID:</u> Dup			<u>York Sample ID:</u> 24K1290-05	
<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
24K1290	350-352 Liberty St. / NEW6313.RA	Ground Water	November 15, 2024 12:01 am	11/18/2024

VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-02-8	Acrolein	1.25	U	B, CCVE	ug/L	0.447	0.500	1 EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:00	11/21/2024 15:55	PD
107-13-1	Acrylonitrile	ND			ug/L	0.422	0.500	1 EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:00	11/21/2024 15:55	PD
71-43-2	Benzene	ND			ug/L	0.279	0.500	1 EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:00	11/21/2024 15:55	PD
74-97-5	Bromochloromethane	ND			ug/L	0.354	0.500	1 EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:00	11/21/2024 15:55	PD
75-27-4	Bromodichloromethane	ND			ug/L	0.245	0.500	1 EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:00	11/21/2024 15:55	PD
75-25-2	Bromoform	ND			ug/L	0.163	0.500	1 EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:00	11/21/2024 15:55	PD
74-83-9	Bromomethane	ND		CCVE	ug/L	0.119	0.500	1 EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:00	11/21/2024 15:55	PD
75-15-0	Carbon disulfide	ND			ug/L	0.362	0.500	1 EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:00	11/21/2024 15:55	PD
56-23-5	Carbon tetrachloride	ND			ug/L	0.204	0.500	1 EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:00	11/21/2024 15:55	PD
108-90-7	Chlorobenzene	ND			ug/L	0.284	0.500	1 EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:00	11/21/2024 15:55	PD
75-00-3	Chloroethane	ND			ug/L	0.448	0.500	1 EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:00	11/21/2024 15:55	PD
67-66-3	Chloroform	1.13	R		ug/L	0.243	0.500	1 EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:00	11/21/2024 15:55	PD
74-87-3	Chloromethane	ND		CCVE	ug/L	0.372	0.500	1 EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:00	11/21/2024 15:55	PD
156-59-2	cis-1,2-Dichloroethylene	ND			ug/L	0.294	0.500	1 EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:00	11/21/2024 15:55	PD
10061-01-5	cis-1,3-Dichloropropylene	ND			ug/L	0.262	0.500	1 EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:00	11/21/2024 15:55	PD
110-82-7	Cyclohexane	ND			ug/L	0.491	0.500	1 EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:00	11/21/2024 15:55	PD
124-48-1	Dibromochloromethane	ND			ug/L	0.146	0.500	1 EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:00	11/21/2024 15:55	PD
74-95-3	Dibromomethane	ND			ug/L	0.203	0.500	1 EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:00	11/21/2024 15:55	PD
75-71-8	Dichlorodifluoromethane	ND	UJ	CCVE, ICVE, QL-02	ug/L	0.451	0.500	1 EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:00	11/21/2024 15:55	PD
100-41-4	Ethyl Benzene	ND			ug/L	0.290	0.500	1 EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:00	11/21/2024 15:55	PD
87-68-3	Hexachlorobutadiene	ND			ug/L	0.241	0.500	1 EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:00	11/21/2024 15:55	PD
98-82-8	Isopropylbenzene	ND			ug/L	0.405	0.500	1 EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:00	11/21/2024 15:55	PD
79-20-9	Methyl acetate	ND			ug/L	0.442	0.500	1 EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:00	11/21/2024 15:55	PD



Sample Information

<u>Client Sample ID:</u>	Dup	<u>York Sample ID:</u>	24K1290-05	
<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
24K1290	350-352 Liberty St. / NEW6313.RA	Ground Water	November 15, 2024 12:01 am	11/18/2024

VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:55	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:55	PD
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:55	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:55	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:55	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:55	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:55	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:55	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:55	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:55	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.608	1.00	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:55	PD
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:55	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
127-18-4	Tetrachloroethylene	ND	UJ CCVE, ICVE, QL-02	ug/L	0.239	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:55	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:55	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:55	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:55	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:55	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:55	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:55	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
1330-20-7	Xylenes, Total	ND		ug/L	0.839	1.50	1	EPA 8260D	11/21/2024 08:00	11/21/2024 15:55	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	99.8 %	69-130
2037-26-5	Surrogate: SURR: Toluene-d8	98.8 %	81-117
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	104 %	79-122



Sample Information

<u>Client Sample ID:</u>	Dup		<u>York Sample ID:</u>	24K1290-05
<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
24K1290	350-352 Liberty St. / NEW6313.RA	Ground Water	November 15, 2024 12:01 am	11/18/2024

Volatile Organics, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.0		ug/L			1	EPA 8260C	11/21/2024 08:00	11/21/2024 15:55	PD
Certifications:											

SVOA, 8270 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 14:21	SS
Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 14:21	SS
Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 14:21	SS
Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 14:21	SS
Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 14:21	SS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 14:21	SS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 14:21	SS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
105-67-9	2,4-Dimethylphenol	ND	ICVE	ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 14:21	SS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
51-28-5	2,4-Dinitrophenol	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 14:21	SS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 14:21	SS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 14:21	SS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
91-58-7	2-Chloronaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 14:21	SS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
95-57-8	2-Chlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 14:21	SS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
91-57-6	2-Methylnaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 14:21	SS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
95-48-7	2-Methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 14:21	SS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
88-74-4	2-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 14:21	SS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
88-75-5	2-Nitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 14:21	SS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 14:21	SS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
91-94-1	3,3-Dichlorobenzidine	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 14:21	SS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
99-09-2	3-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 14:21	SS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D	11/21/2024 08:22	11/22/2024 14:21	SS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440											



Sample Information

Client Sample ID: Dup

York Sample ID: 24K1290-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24K1290

350-352 Liberty St. / NEW6313.RA

Ground Water

November 15, 2024 12:01 am

11/18/2024

SVOA, 8270 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 14:21	SS
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 14:21	SS
106-47-8	4-Chloroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 14:21	SS
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 14:21	SS
100-01-6	4-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 14:21	SS
100-02-7	4-Nitrophenol	ND	R	ug/L	5.00	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 14:21	SS
98-86-2	Acetophenone	ND		CAL-E ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 14:21	SS
62-53-3	Aniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 14:21	SS
100-52-7	Benzaldehyde	ND		CAL-E ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 14:21	SS
92-87-5	Benzidine	ND		CAL-E, ug/L CCVE	5.00	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 14:21	SS
65-85-0	Benzoic acid	ND	R	CAL-E ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 14:21	SS
100-51-6	Benzyl alcohol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 14:21	SS
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 14:21	SS
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 14:21	SS
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.00	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 14:21	SS
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 14:21	SS
105-60-2	Caprolactam	ND	R	CAL-E ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 14:21	SS
86-74-8	Carbazole	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 14:21	SS
132-64-9	Dibenzofuran	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 14:21	SS
84-66-2	Diethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 14:21	SS
131-11-3	Dimethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 14:21	SS
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 14:21	SS
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 14:21	SS
122-39-4	Diphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,PADEP-68-04440	11/21/2024 08:22	11/22/2024 14:21	SS



Sample Information

<u>Client Sample ID:</u>	Dup	<u>York Sample ID:</u>	24K1290-05	
<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
24K1290	350-352 Liberty St. / NEW6313.RA	Ground Water	November 15, 2024 12:01 am	11/18/2024

SVOA, 8270 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
77-47-4	Hexachlorocyclopentadiene	ND		ICVE ug/L	5.00	10.0	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 14:21	SS
78-59-1	Isophorone	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 14:21	SS
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 14:21	SS
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 14:21	SS
108-95-2	Phenol	ND		ug/L	0.750	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 14:21	SS
110-86-1	Pyridine	ND	R	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 14:21	SS
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	37.9 %	19.7-63.1								
13127-88-3	Surrogate: SURR: Phenol-d6	20.5 %	10.1-41.7								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	83.4 %	50.2-113								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	73.0 %	39.9-105								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	98.7 %	39.3-151								
1718-51-0	Surrogate: SURR: Terphenyl-d14	84.0 %	30.7-106								

SVOA, 8270 SIM MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 16:36	SS
208-96-8	Acenaphthylene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 16:36	SS
120-12-7	Anthracene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 16:36	SS
1912-24-9	Atrazine	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	11/21/2024 08:22	11/22/2024 16:36	SS
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 16:36	SS
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 16:36	SS
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 16:36	SS
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 16:36	SS
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 16:36	SS
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	11/21/2024 08:22	11/22/2024 16:36	SS
218-01-9	Chrysene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:22	11/22/2024 16:36	SS



Sample Information

<u>Client Sample ID:</u>	Dup	<u>York Sample ID:</u>	24K1290-05	
<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
24K1290	350-352 Liberty St. / NEW6313.RA	Ground Water	November 15, 2024 12:01 am	11/18/2024

SVOA, 8270 SIM MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0500	1	EPA 8270D SIM	11/21/2024 08:22	11/22/2024 16:36	SS
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
206-44-0	Fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM	11/21/2024 08:22	11/22/2024 16:36	SS
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
86-73-7	Fluorene	ND		ug/L	0.0500	1	EPA 8270D SIM	11/21/2024 08:22	11/22/2024 16:36	SS
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
118-74-1	Hexachlorobenzene	ND		ug/L	0.0200	1	EPA 8270D SIM	11/21/2024 08:22	11/22/2024 16:36	SS
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.500	1	EPA 8270D SIM	11/21/2024 08:22	11/22/2024 16:36	SS
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005			
67-72-1	Hexachloroethane	ND		ug/L	0.500	1	EPA 8270D SIM	11/21/2024 08:22	11/22/2024 16:36	SS
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005			
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM	11/21/2024 08:22	11/22/2024 16:36	SS
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
91-20-3	Naphthalene	ND		ug/L	0.0500	1	EPA 8270D SIM	11/21/2024 08:22	11/22/2024 16:36	SS
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
98-95-3	Nitrobenzene	ND		ug/L	0.250	1	EPA 8270D SIM	11/21/2024 08:22	11/22/2024 16:36	SS
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005			
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.500	1	EPA 8270D SIM	11/21/2024 08:22	11/22/2024 16:36	SS
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005			
87-86-5	Pentachlorophenol	ND		ug/L	0.250	1	EPA 8270D SIM	11/21/2024 08:22	11/22/2024 16:36	SS
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005			
85-01-8	Phenanthrene	ND		ug/L	0.0500	1	EPA 8270D SIM	11/21/2024 08:22	11/22/2024 16:36	SS
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
129-00-0	Pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM	11/21/2024 08:22	11/22/2024 16:36	SS
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270E SIM	11/19/2024 15:29	11/21/2024 12:22	SS
						Certifications:	NJDEP-CT005,NELAC-NY10854			
	Surrogate Recoveries	Result		Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	84.0 %		36.6-118						

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	6.77		ng/L	0.423	1.59	1	EPA 1633 Draft 3	11/23/2024 13:02	11/25/2024 19:44	AM
							Certifications:	NELAC-NY12058,NJDEP-NY037			
307-24-4	Perfluorohexanoic acid (PFHxA)	8.23	J	ng/L	0.315	1.80	1	EPA 1633 Draft 3	11/23/2024 13:02	11/25/2024 19:44	AM
							Certifications:	NELAC-NY12058,NJDEP-NY037			
375-85-9	Perfluoroheptanoic acid (PFHpA)	4.46	J	ng/L	0.638	1.80	1	EPA 1633 Draft 3	11/23/2024 13:02	11/25/2024 19:44	AM
							Certifications:	NELAC-NY12058,NJDEP-NY037			
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	4.91		ng/L	0.611	1.65	1	EPA 1633 Draft 3	11/23/2024 13:02	11/25/2024 19:44	AM
							Certifications:	NELAC-NY12058,NJDEP-NY037			



Sample Information

Client Sample ID: Dup

York Sample ID: 24K1290-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24K1290

350-352 Liberty St. / NEW6313.RA

Ground Water

November 15, 2024 12:01 am

11/18/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
335-67-1	Perfluorooctanoic acid (PFOA)	13.0	J	ng/L	0.378	1.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:44	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	20.5	J	ng/L	0.737	1.67	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:44	AM
375-95-1	Perfluorononanoic acid (PFNA)	1.98	J	ng/L	0.467	1.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:44	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.674	1.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:44	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.02	1.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:44	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.791	1.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:44	AM
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.665	1.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:44	AM
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.620	1.80	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:44	AM
2355-31-9	N-MeFOSAA	ND		ng/L	0.710	1.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:44	AM
2991-50-6	N-EtFOSAA	ND		ng/L	0.926	1.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:44	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	8.48	J	ng/L	0.207	3.60	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:44	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.791	1.80	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:44	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.818	1.72	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:44	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.19	1.73	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:44	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	6.74	6.83	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:44	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.84	6.90	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:44	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	7.88		ng/L	0.297	7.19	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:44	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	ND		ng/L	0.449	3.20	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/23/2024 13:02	11/25/2024 19:44	AM
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	1.92	3.60	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/23/2024 13:02	11/25/2024 19:44	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND	R	ng/L	0.225	3.60	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/23/2024 13:02	11/25/2024 19:44	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.333	3.60	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/23/2024 13:02	11/25/2024 19:44	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	0.788	J	ng/L	0.683	1.69	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:44	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.61	6.74	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:44	AM



Sample Information

<u>Client Sample ID:</u>	Dup	<u>York Sample ID:</u>	24K1290-05	
<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
24K1290	350-352 Liberty St. / NEW6313.RA	Ground Water	November 15, 2024 12:01 am	11/18/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	2.90	7.19	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:44	AM
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.24	6.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:44	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	0.629	6.72	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:44	AM
919005-14-4	ADONA	ND		ng/L	0.476	6.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:44	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.836	1.74	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 19:44	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.773	1.73	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/23/2024 13:02	11/25/2024 19:44	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	1.82	4.49	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 19:44	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	6.59	22.5	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 19:44	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	8.51	22.5	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 19:44	AM
24448-09-7	* N-MeFOSE	ND		ng/L	3.59	18.0	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 19:44	AM
31506-32-8	* N-MeFOSA	ND		ng/L	1.42	1.80	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 19:44	AM
1691-99-2	* N-EtFOSE	ND		ng/L	3.59	18.0	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 19:44	AM
4151-50-2	* N-EtFOSA	ND		ng/L	1.62	1.80	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 19:44	AM

Surrogate Recoveries		Result	Acceptance Range
M3PFBS	Surrogate: M3PFBS	116 %	25-150
13C5PFHXA	Surrogate: M5PFHxA	123 %	25-150
13C4PFHPA	Surrogate: M4PFHPA	147 %	25-150
13C3PFHXS	Surrogate: M3PFHxS	126 %	25-150
13C8PFOA	Surrogate: Perfluoro-n-[13C8]octanoic acid	131 %	25-150
13C6PFDA	Surrogate: M6PFDA	94.3 %	25-150
13C7PFUNA	Surrogate: M7PFUdA	102 %	25-150
960315-52-0	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid	104 %	25-150
13C2PFTEDA	Surrogate: M2PFTeDA	157 %	PFSu-H 10-150
13C4PFBA	Surrogate: Perfluoro-n-[13C4]butanoic acid	29.5 %	25-150
13C8PFOS	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid	120 %	25-150
13C5PFPEA	Surrogate: Perfluoro-n-[13C5]pentanoic acid	119 %	25-150
13C8FOSA	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid	117 %	10-150
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	122 %	25-150
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	114 %	25-150
M2-6:2FTS	Surrogate: M2-6:2 FTS	182 %	25-200
M2-8:2FTS	Surrogate: M2-8:2 FTS	153 %	25-200



Sample Information

Client Sample ID: Dup

York Sample ID: 24K1290-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24K1290

350-352 Liberty St. / NEW6313.RA

Ground Water

November 15, 2024 12:01 am

11/18/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
13C9PFNA	Surrogate: M9PFNA	132 %			25-150						
M2-4:2FTS	Surrogate: M2-4:2 FTS	154 %	PFSu-H		25-150						
936109-37-4	Surrogate: d-N-MeFOSA	114 %			25-150						
936109-40-9	Surrogate: d-N-EtFOSA	129 %			25-150						
M3HFPO-DA	Surrogate: M3HFPO-DA	139 %			25-150						
D9-NETPFOSA	Surrogate: d9-N-EtFOSE	99.1 %			25-150						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	89.7 %			25-150						

Semi-Volatiles, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.00		ug/L			1	EPA 8270D	11/21/2024 08:22	11/22/2024 14:21	SS
Certifications:											

Metals, RCRA (no Hg) by 6020

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		ug/L	1.11	1	EPA 6020B	11/21/2024 08:22	11/22/2024 13:48	cw
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
7440-39-3	Barium	152	J+	ug/L	1.11	1	EPA 6020B	11/21/2024 08:22	11/22/2024 13:48	cw
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B	11/21/2024 08:22	11/22/2024 13:48	cw
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
7440-47-3	Chromium	ND		ug/L	1.11	1	EPA 6020B	11/21/2024 08:22	11/22/2024 13:48	cw
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
7439-92-1	Lead	ND		ug/L	1.11	1	EPA 6020B	11/21/2024 08:22	11/22/2024 13:48	cw
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
7782-49-2	Selenium	1.28	J+	ug/L	1.11	1	EPA 6020B	11/21/2024 08:22	11/22/2024 13:48	cw
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
7440-22-4	Silver	ND		ug/L	1.11	1	EPA 6020B	11/21/2024 08:22	11/22/2024 13:48	cw
						Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

					Reported to			Date/Time	Date/Time	
CAS No.	Parameter	Result	Flag	Units	LOQ	Dilution	Reference Method	Prepared	Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470	11/22/2024 08:16	11/22/2024 08:16	PFA
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440										



Sample Information

<u>Client Sample ID:</u> Field Blank			<u>York Sample ID:</u> 24K1290-06	
<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
24K1290	350-352 Liberty St. / NEW6313.RA	Water	November 15, 2024 3:30 pm	11/18/2024

VOA, 8260 LOW MASTER

Sample Prepared by Method: EPA 5030B

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 16:48	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 16:48	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 16:48	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 16:48	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 16:48	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 16:48	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 16:48	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 16:48	PD
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 16:48	PD
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 16:48	PD
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 16:48	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 16:48	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 16:48	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 16:48	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 16:48	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 16:48	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 16:48	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 16:48	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 16:48	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
123-91-1	1,4-Dioxane	ND		ug/L	35.3	80.0	1	EPA 8260D	11/21/2024 08:00	11/21/2024 16:48	PD
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 16:48	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
591-78-6	2-Hexanone	ND		ug/L	0.320	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 16:48	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 16:48	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
67-64-1	Acetone	ND		ug/L	1.34	2.00	1	EPA 8260D	11/21/2024 08:00	11/21/2024 16:48	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			



Sample Information

<u>Client Sample ID:</u>	Field Blank			<u>York Sample ID:</u>	24K1290-06
<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>	
24K1290	350-352 Liberty St. / NEW6313.RA	Water	November 15, 2024 3:30 pm	11/18/2024	

VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-02-8	Acrolein	0.990	U	B, CCVE	ug/L	0.447	0.500	1 EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:00	11/21/2024 16:48	PD
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1 EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:00	11/21/2024 16:48	PD	
71-43-2	Benzene	ND		ug/L	0.279	0.500	1 EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:00	11/21/2024 16:48	PD	
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1 EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:00	11/21/2024 16:48	PD	
75-27-4	Bromodichloromethane	1.52		ug/L	0.245	0.500	1 EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:00	11/21/2024 16:48	PD	
75-25-2	Bromoform	ND		ug/L	0.163	0.500	1 EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:00	11/21/2024 16:48	PD	
74-83-9	Bromomethane	ND	CCVE	ug/L	0.119	0.500	1 EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:00	11/21/2024 16:48	PD	
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1 EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:00	11/21/2024 16:48	PD	
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1 EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:00	11/21/2024 16:48	PD	
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1 EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:00	11/21/2024 16:48	PD	
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1 EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:00	11/21/2024 16:48	PD	
67-66-3	Chloroform	16.6		ug/L	0.243	0.500	1 EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:00	11/21/2024 16:48	PD	
74-87-3	Chloromethane	ND	CCVE	ug/L	0.372	0.500	1 EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:00	11/21/2024 16:48	PD	
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1 EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:00	11/21/2024 16:48	PD	
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1 EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:00	11/21/2024 16:48	PD	
110-82-7	Cyclohexane	ND		ug/L	0.491	0.500	1 EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:00	11/21/2024 16:48	PD	
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1 EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:00	11/21/2024 16:48	PD	
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1 EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:00	11/21/2024 16:48	PD	
75-71-8	Dichlorodifluoromethane	ND	UJ CCVE, ICVE, QL-02	ug/L	0.451	0.500	1 EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:00	11/21/2024 16:48	PD	
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1 EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:00	11/21/2024 16:48	PD	
87-68-3	Hexachlorobutadiene	ND		ug/L	0.241	0.500	1 EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:00	11/21/2024 16:48	PD	
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1 EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:00	11/21/2024 16:48	PD	
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1 EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440	11/21/2024 08:00	11/21/2024 16:48	PD	



Sample Information

<u>Client Sample ID:</u> Field Blank			<u>York Sample ID:</u> 24K1290-06	
<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
24K1290	350-352 Liberty St. / NEW6313.RA	Water	November 15, 2024 3:30 pm	11/18/2024

VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 16:48	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 16:48	PD
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260D	11/21/2024 08:00	11/21/2024 16:48	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 16:48	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 16:48	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 16:48	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260D	11/21/2024 08:00	11/21/2024 16:48	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 16:48	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 16:48	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 16:48	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.608	1.00	1	EPA 8260D	11/21/2024 08:00	11/21/2024 16:48	PD
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 16:48	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
127-18-4	Tetrachloroethylene	ND	UJ CCVE, ICVE, QL-02	ug/L	0.239	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 16:48	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 16:48	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 16:48	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 16:48	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 16:48	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 16:48	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 16:48	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
1330-20-7	Xylenes, Total	ND		ug/L	0.839	1.50	1	EPA 8260D	11/21/2024 08:00	11/21/2024 16:48	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	101 %	69-130
2037-26-5	Surrogate: SURR: Toluene-d8	99.0 %	81-117
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	104 %	79-122



Sample Information

<u>Client Sample ID:</u> Field Blank			<u>York Sample ID:</u> 24K1290-06	
<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
24K1290	350-352 Liberty St. / NEW6313.RA	Water	November 15, 2024 3:30 pm	11/18/2024

Volatile Organics, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.0		ug/L			1	EPA 8260C	11/21/2024 08:00	11/21/2024 16:48	PD
							Certifications:				

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	0.435	1.64	1	EPA 1633 Draft 3	11/23/2024 13:02	11/25/2024 20:00	AM
							Certifications: NELAC-NY12058,NJDEP-NY037				
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ng/L	0.324	1.85	1	EPA 1633 Draft 3	11/23/2024 13:02	11/25/2024 20:00	AM
							Certifications: NELAC-NY12058,NJDEP-NY037				
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ng/L	0.658	1.85	1	EPA 1633 Draft 3	11/23/2024 13:02	11/25/2024 20:00	AM
							Certifications: NELAC-NY12058,NJDEP-NY037				
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	0.630	1.70	1	EPA 1633 Draft 3	11/23/2024 13:02	11/25/2024 20:00	AM
							Certifications: NELAC-NY12058,NJDEP-NY037				
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	0.389	1.85	1	EPA 1633 Draft 3	11/23/2024 13:02	11/25/2024 20:00	AM
							Certifications: NELAC-NY12058,NJDEP-NY037				
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	0.760	1.72	1	EPA 1633 Draft 3	11/23/2024 13:02	11/25/2024 20:00	AM
							Certifications: NELAC-NY12058,NJDEP-NY037				
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.482	1.85	1	EPA 1633 Draft 3	11/23/2024 13:02	11/25/2024 20:00	AM
							Certifications: NELAC-NY12058,NJDEP-NY037				
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.695	1.85	1	EPA 1633 Draft 3	11/23/2024 13:02	11/25/2024 20:00	AM
							Certifications: NELAC-NY12058,NJDEP-NY037				
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.05	1.85	1	EPA 1633 Draft 3	11/23/2024 13:02	11/25/2024 20:00	AM
							Certifications: NELAC-NY12058,NJDEP-NY037				
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.815	1.85	1	EPA 1633 Draft 3	11/23/2024 13:02	11/25/2024 20:00	AM
							Certifications: NELAC-NY12058,NJDEP-NY037				
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.685	1.85	1	EPA 1633 Draft 3	11/23/2024 13:02	11/25/2024 20:00	AM
							Certifications: NELAC-NY12058,NJDEP-NY037				
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.639	1.85	1	EPA 1633 Draft 3	11/23/2024 13:02	11/25/2024 20:00	AM
							Certifications: NJDEP-NY037				
2355-31-9	N-MeFOSAA	ND		ng/L	0.732	1.85	1	EPA 1633 Draft 3	11/23/2024 13:02	11/25/2024 20:00	AM
							Certifications: NELAC-NY12058,NJDEP-NY037				
2991-50-6	N-EtFOSAA	ND		ng/L	0.954	1.85	1	EPA 1633 Draft 3	11/23/2024 13:02	11/25/2024 20:00	AM
							Certifications: NELAC-NY12058,NJDEP-NY037				
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ng/L	0.213	3.70	1	EPA 1633 Draft 3	11/23/2024 13:02	11/25/2024 20:00	AM
							Certifications: NELAC-NY12058,NJDEP-NY037				
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.815	1.85	1	EPA 1633 Draft 3	11/23/2024 13:02	11/25/2024 20:00	AM
							Certifications: NJDEP-NY037				
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.843	1.77	1	EPA 1633 Draft 3	11/23/2024 13:02	11/25/2024 20:00	AM
							Certifications: NJDEP-NY037				
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.22	1.79	1	EPA 1633 Draft 3	11/23/2024 13:02	11/25/2024 20:00	AM
							Certifications: NJDEP-NY037				
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	6.95	7.04	1	EPA 1633 Draft 3	11/23/2024 13:02	11/25/2024 20:00	AM
							Certifications: NELAC-NY12058,NJDEP-NY037				
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.90	7.11	1	EPA 1633 Draft 3	11/23/2024 13:02	11/25/2024 20:00	AM
							Certifications: NELAC-NY12058,NJDEP-NY037				



Sample Information

<u>Client Sample ID:</u> Field Blank			<u>York Sample ID:</u> 24K1290-06	
<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
24K1290	350-352 Liberty St. / NEW6313.RA	Water	November 15, 2024 3:30 pm	11/18/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND	R	ng/L	0.306	7.41	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 20:00	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.463	3.30	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/23/2024 13:02	11/25/2024 20:00	AM
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	1.98	3.70	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/23/2024 13:02	11/25/2024 20:00	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND	R	ng/L	0.232	3.70	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/23/2024 13:02	11/25/2024 20:00	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.343	3.70	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	11/23/2024 13:02	11/25/2024 20:00	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.704	1.74	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 20:00	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.66	6.95	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 20:00	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	2.99	7.41	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 20:00	AM
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.28	7.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 20:00	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	0.648	6.93	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 20:00	AM
919005-14-4	ADONA	ND		ng/L	0.491	7.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	11/23/2024 13:02	11/25/2024 20:00	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.861	1.80	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 20:00	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.797	1.78	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	11/23/2024 13:02	11/25/2024 20:00	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	1.88	4.63	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 20:00	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	6.79	23.2	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 20:00	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	8.77	23.2	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 20:00	AM
24448-09-7	* N-MeFOSE	ND		ng/L	3.70	18.5	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 20:00	AM
31506-32-8	* N-MeFOSA	ND		ng/L	1.46	1.85	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 20:00	AM
1691-99-2	* N-EtFOSE	ND		ng/L	3.70	18.5	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 20:00	AM
4151-50-2	* N-EtFOSA	ND		ng/L	1.67	1.85	1	EPA 1633 Draft 3 Certifications:	11/23/2024 13:02	11/25/2024 20:00	AM
Surrogate Recoveries		Result	Acceptance Range								
M3PFBS	Surrogate: M3PFBS	118 %	25-150								
13C5PFHXA	Surrogate: M5PFHxA	129 %	25-150								
13C4PFHPA	Surrogate: M4PFHpA	135 %	25-150								
13C3PFHXS	Surrogate: M3PFHxS	121 %	25-150								
13C8PFOA	Surrogate: Perfluoro-n-[13C8]octanoic acid	116 %	25-150								



Sample Information

<u>Client Sample ID:</u> Field Blank			<u>York Sample ID:</u> 24K1290-06	
<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
24K1290	350-352 Liberty St. / NEW6313.RA	Water	November 15, 2024 3:30 pm	11/18/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
13C6PFDA	Surrogate: M6PFDA	114 %			25-150						
13C7PFUNA	Surrogate: M7PFUdA	116 %			25-150						
960315-52-0	Surrogate: Perfluoro-n-[1,2-13C2]dodecan	118 %			25-150						
13C2PFTEDA	Surrogate: M2PFTeDA	146 %			10-150						
13C4PFBA	Surrogate: Perfluoro-n-[13C4]butanoic aci	6.68 %	PFSu-L		25-150						
13C8PFOS	Surrogate: Perfluoro-1-[13C8]octanesulfon	106 %			25-150						
13C5PFPEA	Surrogate: Perfluoro-n-[13C5]pentanoic ac	105 %			25-150						
13C8FOSA	Surrogate: Perfluoro-1-[13C8]octanesulfon	110 %			10-150						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	116 %			25-150						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	109 %			25-150						
M2-6:2FTS	Surrogate: M2-6:2 FTS	190 %			25-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	155 %			25-200						
13C9PFNA	Surrogate: M9PFNA	106 %			25-150						
M2-4:2FTS	Surrogate: M2-4:2 FTS	180 %	PFSu-H		25-150						
936109-37-4	Surrogate: d-N-MeFOSA	142 %			25-150						
936109-40-9	Surrogate: d-N-EtFOSA	144 %			25-150						
M3HFPO-DA	Surrogate: M3HFPO-DA	140 %			25-150						
D9-NETPFOSA	Surrogate: d9-N-EtFOSE	103 %			25-150						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	96.8 %			25-150						

Sample Information

<u>Client Sample ID:</u> Trip Blank			<u>York Sample ID:</u> 24K1290-07	
<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
24K1290	350-352 Liberty St. / NEW6313.RA	Water	November 15, 2024 4:56 pm	11/18/2024

VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 17:15	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 17:15	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 17:15	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 17:15	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 17:15	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			



Sample Information

Client Sample ID:	Trip Blank				York Sample ID:	24K1290-07			
York Project (SDG) No.	Client Project ID		Matrix		Collection Date/Time		Date Received		
24K1290	350-352 Liberty St. / NEW6313.RA		Water		November 15, 2024 4:56 pm		11/18/2024		

VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 17:15	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 17:15	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 17:15	PD
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 17:15	PD
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 17:15	PD
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 17:15	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 17:15	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 17:15	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 17:15	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 17:15	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 17:15	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 17:15	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 17:15	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 17:15	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
123-91-1	1,4-Dioxane	ND		ug/L	35.3	80.0	1	EPA 8260D	11/21/2024 08:00	11/21/2024 17:15	PD
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 17:15	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
591-78-6	2-Hexanone	ND		ug/L	0.320	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 17:15	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 17:15	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
67-64-1	Acetone	ND		ug/L	1.34	2.00	1	EPA 8260D	11/21/2024 08:00	11/21/2024 17:15	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
107-02-8	Acrolein	1.12	U	B, CCVE	0.447	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 17:15	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 17:15	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 17:15	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 17:15	PD
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440			
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 17:15	PD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE			



Sample Information

<u>Client Sample ID:</u>	Trip Blank			<u>York Sample ID:</u>	24K1290-07
<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>	
24K1290	350-352 Liberty St. / NEW6313.RA	Water	November 15, 2024 4:56 pm	11/18/2024	

VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-25-2	Bromoform	ND		ug/L	0.163	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 17:15	PD
		Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE									
74-83-9	Bromomethane	ND	CCVE	ug/L	0.119	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 17:15	PD
		Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE									
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 17:15	PD
		Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE									
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 17:15	PD
		Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE									
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 17:15	PD
		Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE									
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 17:15	PD
		Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE									
67-66-3	Chloroform	ND		ug/L	0.243	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 17:15	PD
		Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE									
74-87-3	Chloromethane	ND	CCVE	ug/L	0.372	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 17:15	PD
		Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE									
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 17:15	PD
		Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE									
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 17:15	PD
		Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE									
110-82-7	Cyclohexane	ND		ug/L	0.491	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 17:15	PD
		Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440									
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 17:15	PD
		Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE									
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 17:15	PD
		Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440									
75-71-8	Dichlorodifluoromethane	ND	UJ CCVE, ICVE, QL-02	ug/L	0.451	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 17:15	PD
		Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440									
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 17:15	PD
		Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE									
87-68-3	Hexachlorobutadiene	ND		ug/L	0.241	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 17:15	PD
		Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440									
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 17:15	PD
		Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE									
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 17:15	PD
		Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440									
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 17:15	PD
		Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE									
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 17:15	PD
		Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440									
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260D	11/21/2024 08:00	11/21/2024 17:15	PD
		Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE									
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 17:15	PD
		Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE									
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 17:15	PD
		Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADE									



Sample Information

Client Sample ID:	Trip Blank				York Sample ID:	24K1290-07			
York Project (SDG) No.	Client Project ID		Matrix		Collection Date/Time		Date Received		
24K1290	350-352 Liberty St. / NEW6313.RA		Water		November 15, 2024 4:56 pm		11/18/2024		

VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 17:15	PD
		Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-04440									
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260D	11/21/2024 08:00	11/21/2024 17:15	PD
		Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-04440									
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 17:15	PD
		Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440									
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 17:15	PD
		Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440									
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 17:15	PD
		Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440									
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.608	1.00	1	EPA 8260D	11/21/2024 08:00	11/21/2024 17:15	PD
		Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440									
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 17:15	PD
		Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440									
127-18-4	Tetrachloroethylene	ND	UJ CCVE, ICVE, QL-02	ug/L	0.239	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 17:15	PD
		Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440									
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 17:15	PD
		Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440									
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 17:15	PD
		Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440									
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 17:15	PD
		Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440									
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 17:15	PD
		Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440									
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 17:15	PD
		Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440									
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260D	11/21/2024 08:00	11/21/2024 17:15	PD
		Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440									
1330-20-7	Xylenes, Total	ND		ug/L	0.839	1.50	1	EPA 8260D	11/21/2024 08:00	11/21/2024 17:15	PD
		Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04440									
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	102 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	98.6 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	102 %	79-122								

Volatile Organics, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Tentatively Identified Compounds		0.0		ug/L			1	EPA 8260C	11/21/2024 08:00	11/21/2024 17:15	PD
		Certifications:									

VOC Data Section



Geology

Hydrology

Remediation

Water Supply

**QA/QC Review of Method 8260D Volatiles Data for
York Analytical Laboratories, Inc., SDG: 24K1290**

**4 Ground Water Samples, 1 Field Duplicate,
1 Field Blank, and 1 Trip Blank
Collected November 15, 2024**

Prepared by: Donald Anné
January 7, 2025

Holding Times: Samples were analyzed within USEPA SW-846 holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The average RRFs for 1,2-dibromo-3-chloropropane, 2-butanone, 2-hexanone, 4-methyl-2-pentanone, and bromoform were below the method minimums, but not below 0.010 for VOA No. 10 on 11-18-24. No action is taken when fewer than 20% of the compounds per calibration do not meet either method %D or RRF criteria, provided no RRF is less than 0.010.

The average RRFs for target compounds were above the allowable minimum (0.001 for 1,4-dioxane, 0.010 for all other compounds), as required.

The %RSDs for acetone and acrolein were above the allowable maximum (30%) for VOA No. 10 on 11-18-24. Positive results for these compounds should be considered estimated (J) in associated samples.

Continuing Calibration: The RRFs for 1,2-dibromo-3-chloropropane, 2-butanone, 2-hexanone, and bromoform were below the method minimums, but not below 0.010 on 11-21-24 (V10C08617.D). The RRFs for 1,2-dibromo-3-chloropropane, 2-butanone, 2-hexanone, and bromoform were below the method minimums, but not below 0.010 on 11-21-24 (V10C08641.D). The %Ds for bromomethane, chloromethane, dichlorodifluoromethane, and tetrachloroethylene were above the method maximum on 11-21-24 (V10C08617.D). The %Ds for bromomethane, chloromethane, and dichlorodifluoromethane were above the method maximum on 11-21-24 (V10C08641.D). No action is taken when fewer than 20% of the compounds per calibration do not meet either method %D or RRF criteria, provided no RRF is less than 0.010.

The RRFs for target compounds were above the allowable minimum (0.001 for 1,4-dioxane, 0.010 for all other compounds), as required.

The %Ds for 1,4-dioxane, acrolein, acrylonitrile, bromomethane, chloromethane, dichlorodifluoromethane, TBA, and tetrachloroethylene were above the allowable maximum (20%) on 11-21-24 (V10C08617.D). The %Ds for bromomethane, chloromethane, and dichlorodifluoromethane were above the allowable maximum (20%) on 11-21-24 (V10C08641.D). Positive results for these compounds should be considered estimated (J) in associated samples.

Blanks: Method blank BK41445-BLK1 contained traces of 1,2,3-trichlorobenzene (0.240 ug/L), acrolein (0.530 ug/L), and methylene chloride (0.510 ug/L). Method blank BK41471-BLK1 contained traces of 1,2,3-trichlorobenzene (0.310 ug/L), acrolein (0.720 ug/L), and methylene chloride (0.620 ug/L). Positive results for 1,2,3-trichlorobenzene and acrolein that are less than 5 times the highest blank level should be reported as not detected (U) in associated samples. Positive results for methylene chloride that are less than 10 times the highest blank level should be reported as not detected (U) in associated samples.

The field blank contained unacceptable levels of bromodichloromethane (1.52 ug/L) and chloroform (16.6 ug/L). Positive results for these compounds that are less than 10 times the highest blank level should be reported as rejected, unusable (R) in associated samples.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for the soil samples, field blank, and trip blank.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences for target compounds were below the allowable maximum; 1 or 2 percent recoveries (%Rs) for 39 applicable compounds were above QC limits; and 1 of 2 %Rs for trichloroethylene was below QC limits, but not below 30% for aqueous MS/MSD sample MW-105. The positive results for acrolein, carbon disulfide, and chloroform should be considered estimated, biased high (J+) and the positive result for trichloroethylene estimated, biased low (J-) in sample MW-105.

Laboratory Control Sample: The relative percent differences (RPDs) for target compounds were below the allowable maximum; but 2 of 2 percent recoveries (%Rs) for dichlorodifluoromethane and tetrachloroethylene were below QC limits, but not below 30% for aqueous samples BK41445-BS1/BSD1. The RPDs for target compounds were below the allowable maximum; but 2 of 2 %Rs for tetrachloroethylene were below QC limits, but not below 30% for aqueous samples BK41471-BS1/BSD1. Positive results for these compounds should be considered estimated, biased low (J-) and “not detected” results estimated (UJ) in associated aqueous samples.

Two of two %Rs for dichlorodifluoromethane were below QC limits and one below 30% for aqueous samples BK41471-BS1/BSD1. Positive results for dichlorodifluoromethane should be considered estimated, biased low (J-) and “not detected” results rejected, unusable (R) in associated aqueous samples.

Field Duplicates: The relative percent difference for chloroform was above below the allowable maximum (20%) for aqueous field duplicate pair MW-105/Dup (attached table). Positive results for chloroform should be considered estimated (J) in samples MW-105 and Dup.

Compound ID: Checked compounds and surrogates were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8260D

MW-105

Laboratory: York Analytical Laboratories, Inc. - Stratford

SDG: 24K1290

Client: HRP Associates, Inc.

Project: 350-352 Liberty St. / NEW6313.RA

Matrix: Water

Batch: BK41445

Laboratory ID: BK41445-MS1

Preparation: EPA 5030B

Initial/Final: 25 mL / 25 mL

Source Sample Name: MW-105

COMPOUND	SPIKE ADDED ppb	SAMPLE CONCENTRATION ppb	MS CONCENTRATION ppb	MS % REC. #	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	10.0	0.00	13.5	135	45 - 161
1,1,1-Trichloroethane	10.0	0.00	13.5	135	70 - 146
1,1,2,2-Tetrachloroethane	10.0	0.00	15.6	156 *	74 - 121
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	0.00	14.5	145	21 - 217
1,1,2-Trichloroethane	10.0	0.00	14.3	143	59 - 146
1,1-Dichloroethane	10.0	0.00	13.3	133	54 - 146
1,1-Dichloroethylene	10.0	0.00	14.8	148	44 - 165
1,2,3-Trichlorobenzene	10.0	0.00	13.4	134	40 - 161
1,2,3-Trichloropropane	10.0	0.00	13.2	132 *	74 - 127
1,2,4-Trichlorobenzene	10.0	0.00	12.6	126	41 - 161
1,2,4-Trimethylbenzene	10.0	0.250	12.4	122	72 - 129
1,2-Dibromo-3-chloropropane	10.0	0.00	15.1	151	31 - 151
1,2-Dibromoethane	10.0	0.00	14.4	144 *	75 - 125
1,2-Dichlorobenzene	10.0	0.00	12.2	122	63 - 122
1,2-Dichloroethane	10.0	0.00	14.4	144 *	68 - 131
1,2-Dichloropropane	10.0	0.00	13.8	138 *	77 - 121
1,3,5-Trimethylbenzene	10.0	0.00	12.0	120	69 - 126
1,3-Dichlorobenzene	10.0	0.00	11.7	117	74 - 119
1,4-Dichlorobenzene	10.0	0.00	11.6	116	70 - 124
1,4-Dioxane	210	0.00	369	176	10 - 310
2-Butanone	10.0	0.00	15.2	152	10 - 193
2-Hexanone	10.0	0.00	15.8	158 *	53 - 133
4-Methyl-2-pentanone	10.0	0.00	16.5	165 *	38 - 150
Acetone	10.0	1.13	12.7	116	13 - 149
Acrolein	10.0	1.05	17.8	167	10 - 195
Acrylonitrile	10.0	0.00	15.7	157	37 - 165
Benzene	10.0	0.00	13.8	138	38 - 155
Bromochloromethane	10.0	0.00	14.3	143 *	75 - 121
Bromodichloromethane	10.0	0.00	13.9	139 *	70 - 129
Bromoform	10.0	0.00	14.9	149 *	66 - 136
Bromomethane	10.0	0.00	9.68	96.8	30 - 158

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8260D

MW-105

Laboratory: York Analytical Laboratories, Inc. - Stratford

SDG: 24K1290

Client: HRP Associates, Inc.

Project: 350-352 Liberty St. / NEW6313.RA

Matrix: Water

Batch: BK41445

Laboratory ID: BK41445-MS1

Preparation: EPA 5030B

Initial/Final: 25 mL / 25 mL

Source Sample Name: MW-105

COMPOUND	SPIKE ADDED ppb	SAMPLE CONCENTRATION ppb	MS CONCENTRATION ppb	MS % REC. #	QC LIMITS REC.
Carbon disulfide	10.0	0.900	14.3	134	10 - 138
Carbon tetrachloride	10.0	0.00	13.7	137	71 - 146
Chlorobenzene	10.0	0.00	13.1	131 *	81 - 117
Chloroethane	10.0	0.00	12.3	123	51 - 145
Chloroform	10.0	0.830	14.1	133 *	80 - 124
Chloromethane	10.0	0.00	7.17	71.7	16 - 163
cis-1,2-Dichloroethylene	10.0	0.00	13.8	138 *	76 - 125
cis-1,3-Dichloropropylene	10.0	0.00	13.9	139 *	58 - 131
Cyclohexane	10.0	0.00	14.7	147 *	70 - 130
Dibromochloromethane	10.0	0.00	14.4	144 *	71 - 129
Dibromomethane	10.0	0.00	13.9	139 *	76 - 120
Dichlorodifluoromethane	10.0	0.00	5.66	56.6	30 - 147
Ethyl Benzene	10.0	0.00	13.4	134 *	72 - 128
Hexachlorobutadiene	10.0	0.00	12.1	121	34 - 166
Isopropylbenzene	10.0	0.00	11.8	118	66 - 139
Methyl acetate	10.0	0.00	15.0	150	10 - 200
Methyl tert-butyl ether (MTBE)	10.0	0.00	15.1	151 *	75 - 128
Methylcyclohexane	10.0	0.00	13.3	133 *	70 - 130
Methylene chloride	10.0	0.00	13.7	137 *	57 - 128
n-Butylbenzene	10.0	0.00	12.3	123	61 - 138
n-Propylbenzene	10.0	0.00	11.9	119	66 - 134
o-Xylene	10.0	0.00	13.3	133 *	69 - 126
p- & m- Xylenes	20.0	0.00	26.1	131 *	67 - 130
p-Isopropyltoluene	10.0	0.00	12.1	121	64 - 137
sec-Butylbenzene	10.0	0.00	12.0	120	53 - 155
Styrene	10.0	0.00	13.2	132 *	69 - 125
tert-Butyl alcohol (TBA)	50.0	0.00	80.3	161 *	10 - 130
tert-Butylbenzene	10.0	0.00	11.7	117	65 - 139
Tetrachloroethylene	10.0	0.240	6.55	63.1 *	64 - 139
Toluene	10.0	0.00	13.3	133 *	76 - 123
trans-1,2-Dichloroethylene	10.0	0.00	13.7	137 *	79 - 131
trans-1,3-Dichloropropylene	10.0	0.00	14.6	146 *	55 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY**EPA 8260D****MW-105**Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24K1290Client: HRP Associates, Inc.Project: 350-352 Liberty St. / NEW6313.RAMatrix: WaterBatch: BK41445Laboratory ID: BK41445-MS1Preparation: EPA 5030BInitial/Final: 25 mL / 25 mLSource Sample Name: MW-105

COMPOUND	SPIKE ADDED ppb	SAMPLE CONCENTRATION ppb	MS CONCENTRATION ppb	MS % REC. #	QC LIMITS REC.
Trichloroethylene	10.0	0.00	12.3	123	53 - 145
Trichlorofluoromethane	10.0	0.00	12.5	125	61 - 142
Vinyl Chloride	10.0	0.00	10.6	106	31 - 165

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8260D

MW-105

Laboratory: York Analytical Laboratories, Inc. - Stratford

SDG: 24K1290

Client: HRP Associates, Inc.

Project: 350-352 Liberty St. / NEW6313.RA

Matrix: Water

Batch: BK41445

Laboratory ID: BK41445-MSD1

Preparation: EPA 5030B

Initial/Final: 25 mL / 25 mL

Source Sample Name: MW-105

COMPOUND	SPIKE ADDED ppb	MSD CONCENTRATION ppb	MSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
1,1,1,2-Tetrachloroethane	10.0	15.0	150	10.4	30	45 - 161
1,1,1-Trichloroethane	10.0	14.7	147 *	8.35	30	70 - 146
1,1,2,2-Tetrachloroethane	10.0	17.3	173 *	10.6	30	74 - 121
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	15.2	152	5.05	30	21 - 217
1,1,2-Trichloroethane	10.0	15.8	158 *	10.3	30	59 - 146
1,1-Dichloroethane	10.0	14.5	145	8.41	30	54 - 146
1,1-Dichloroethylene	10.0	15.8	158	6.99	30	44 - 165
1,2,3-Trichlorobenzene	10.0	15.8	158	16.2	30	40 - 161
1,2,3-Trichloropropane	10.0	14.8	148 *	11.2	30	74 - 127
1,2,4-Trichlorobenzene	10.0	14.0	140	10.6	30	41 - 161
1,2,4-Trimethylbenzene	10.0	13.3	130 *	6.93	30	72 - 129
1,2-Dibromo-3-chloropropane	10.0	17.2	172 *	13.1	30	31 - 151
1,2-Dibromoethane	10.0	15.9	159 *	9.83	30	75 - 125
1,2-Dichlorobenzene	10.0	13.2	132 *	7.77	30	63 - 122
1,2-Dichloroethane	10.0	15.9	159 *	9.82	30	68 - 131
1,2-Dichloropropane	10.0	15.3	153 *	10.8	30	77 - 121
1,3,5-Trimethylbenzene	10.0	13.0	130 *	7.43	30	69 - 126
1,3-Dichlorobenzene	10.0	12.7	127 *	7.63	30	74 - 119
1,4-Dichlorobenzene	10.0	12.5	125 *	7.38	30	70 - 124
1,4-Dioxane	210	396	189	7.15	30	10 - 310
2-Butanone	10.0	16.8	168	9.98	30	10 - 193
2-Hexanone	10.0	17.3	173 *	9.24	30	53 - 133
4-Methyl-2-pentanone	10.0	18.6	186 *	12.3	30	38 - 150
Acetone	10.0	14.0	129	9.59	30	13 - 149
Acrolein	10.0	21.1	201 *	17.3	30	10 - 195
Acrylonitrile	10.0	17.6	176 *	11.1	30	37 - 165
Benzene	10.0	15.2	152	9.68	30	38 - 155
Bromochloromethane	10.0	15.8	158 *	9.81	30	75 - 121
Bromodichloromethane	10.0	15.3	153 *	10.0	30	70 - 129
Bromoform	10.0	16.5	165 *	10.1	30	66 - 136
Bromomethane	10.0	9.36	93.6	3.36	30	30 - 158
Carbon disulfide	10.0	15.2	144 *	6.29	30	10 - 138

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8260D

MW-105

Laboratory: York Analytical Laboratories, Inc. - Stratford

SDG: 24K1290

Client: HRP Associates, Inc.

Project: 350-352 Liberty St. / NEW6313.RA

Matrix: Water

Batch: BK41445

Laboratory ID: BK41445-MSD1

Preparation: EPA 5030B

Initial/Final: 25 mL / 25 mL

Source Sample Name: MW-105

COMPOUND	SPIKE ADDED ppb	MSD CONCENTRATION ppb	MSD % REC. #	%	QC LIMITS	
					RPD	REC.
Carbon tetrachloride	10.0	15.0	150 *	9.11	30	71 - 146
Chlorobenzene	10.0	14.2	142 *	8.29	30	81 - 117
Chloroethane	10.0	13.0	130	5.53	30	51 - 145
Chloroform	10.0	15.5	146 *	9.05	30	80 - 124
Chloromethane	10.0	7.97	79.7	10.6	30	16 - 163
cis-1,2-Dichloroethylene	10.0	15.2	152 *	9.33	30	76 - 125
cis-1,3-Dichloropropylene	10.0	15.4	154 *	10.3	30	58 - 131
Cyclohexane	10.0	15.4	154 *	4.57	30	70 - 130
Dibromochloromethane	10.0	16.0	160 *	10.5	30	71 - 129
Dibromomethane	10.0	15.4	154 *	10.2	30	76 - 120
Dichlorodifluoromethane	10.0	5.43	54.3	4.15	30	30 - 147
Ethyl Benzene	10.0	14.5	145 *	8.32	30	72 - 128
Hexachlorobutadiene	10.0	13.4	134	10.7	30	34 - 166
Isopropylbenzene	10.0	12.8	128	8.20	30	66 - 139
Methyl acetate	10.0	16.7	167	10.8	30	10 - 200
Methyl tert-butyl ether (MTBE)	10.0	16.7	167 *	10.0	30	75 - 128
Methylcyclohexane	10.0	13.8	138 *	3.69	30	70 - 130
Methylene chloride	10.0	15.0	150 *	9.19	30	57 - 128
n-Butylbenzene	10.0	13.2	132	7.45	30	61 - 138
n-Propylbenzene	10.0	12.8	128	7.39	30	66 - 134
o-Xylene	10.0	14.5	145 *	8.65	30	69 - 126
p- & m- Xylenes	20.0	28.1	141 *	7.38	30	67 - 130
p-Isopropyltoluene	10.0	13.0	130	7.19	30	64 - 137
sec-Butylbenzene	10.0	13.0	130	7.36	30	53 - 155
Styrene	10.0	14.3	143 *	8.05	30	69 - 125
tert-Butyl alcohol (TBA)	50.0	89.4	179 *	10.7	30	10 - 130
tert-Butylbenzene	10.0	12.7	127	8.29	30	65 - 139
Tetrachloroethylene	10.0	7.04	68.0	7.21	30	64 - 139
Toluene	10.0	14.5	145 *	8.92	30	76 - 123
trans-1,2-Dichloroethylene	10.0	14.9	149 *	8.17	30	79 - 131
trans-1,3-Dichloropropylene	10.0	16.4	164 *	11.6	30	55 - 130
Trichloroethylene	10.0	13.4	134	8.57	30	53 - 145
Trichlorofluoromethane	10.0	13.4	134	7.19	30	61 - 142

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8260D

MW-105

Laboratory: York Analytical Laboratories, Inc. - Stratford

SDG: 24K1290

Client: HRP Associates, Inc.

Project: 350-352 Liberty St. / NEW6313.RA

Matrix: Water

Batch: BK41445

Laboratory ID: BK41445-MSD1

Preparation: EPA 5030B

Initial/Final: 25 mL / 25 mL

Source Sample Name: MW-105

COMPOUND	SPIKE ADDED ppb	MSD CONCENTRATION ppb	MSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Vinyl Chloride	10.0	10.9	109	2.89	30	31 - 165

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260D

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24K1290Client: HRP Associates, Inc.Project: 350-352 Liberty St. / NEW6313.RAMatrix: WaterBatch: BK41445Laboratory ID: BK41445-BS1Preparation: EPA 5030BInitial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED ppb	LCS CONCENTRATION ppb	LCS % REC. #	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	10.0	9.41	94.1	82 - 126
1,1,1-Trichloroethane	10.0	8.29	82.9	78 - 136
1,1,2,2-Tetrachloroethane	10.0	10.8	108	76 - 129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	8.54	85.4	54 - 165
1,1,2-Trichloroethane	10.0	9.68	96.8	82 - 123
1,1-Dichloroethane	10.0	8.83	88.3	82 - 129
1,1-Dichloroethylene	10.0	8.75	87.5	68 - 138
1,2,3-Trichlorobenzene	10.0	11.5	115	76 - 136
1,2,3-Trichloropropane	10.0	9.27	92.7	77 - 128
1,2,4-Trichlorobenzene	10.0	11.0	110	76 - 137
1,2,4-Trimethylbenzene	10.0	9.52	95.2	82 - 132
1,2-Dibromo-3-chloropropane	10.0	11.0	110	45 - 147
1,2-Dibromoethane	10.0	9.89	98.9	83 - 124
1,2-Dichlorobenzene	10.0	9.48	94.8	79 - 123
1,2-Dichloroethane	10.0	9.77	97.7	73 - 132
1,2-Dichloropropane	10.0	9.53	95.3	78 - 126
1,3,5-Trimethylbenzene	10.0	9.24	92.4	80 - 131
1,3-Dichlorobenzene	10.0	9.27	92.7	86 - 122
1,4-Dichlorobenzene	10.0	9.27	92.7	85 - 124
1,4-Dioxane	210	252	120	10 - 349
2-Butanone	10.0	10.0	100	49 - 152
2-Hexanone	10.0	10.3	103	51 - 146
4-Methyl-2-pentanone	10.0	10.9	109	57 - 145
Acetone	10.0	8.35	83.5	14 - 150
Acrolein	10.0	12.0	120	10 - 153
Acrylonitrile	10.0	11.4	114	51 - 150
Benzene	10.0	9.28	92.8	85 - 126
Bromochloromethane	10.0	9.79	97.9	77 - 128
Bromodichloromethane	10.0	9.52	95.2	79 - 128
Bromoform	10.0	10.1	101	78 - 133

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260D

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24K1290Client: HRP Associates, Inc.Project: 350-352 Liberty St. / NEW6313.RAMatrix: WaterBatch: BK41445Laboratory ID: BK41445-BS1Preparation: EPA 5030BInitial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED ppb	LCS CONCENTRATION ppb	LCS % REC. #	QC LIMITS REC.
Bromomethane	10.0	7.29	72.9	43 - 168
Carbon disulfide	10.0	9.03	90.3	68 - 146
Carbon tetrachloride	10.0	8.21	82.1	77 - 141
Chlorobenzene	10.0	9.33	93.3	88 - 120
Chloroethane	10.0	7.62	76.2	65 - 136
Chloroform	10.0	9.05	90.5	82 - 128
Chloromethane	10.0	5.22	52.2	43 - 155
cis-1,2-Dichloroethylene	10.0	9.35	93.5	83 - 129
cis-1,3-Dichloropropylene	10.0	9.70	97.0	80 - 131
Cyclohexane	10.0	8.54	85.4	63 - 149
Dibromochloromethane	10.0	9.94	99.4	80 - 130
Dibromomethane	10.0	9.46	94.6	72 - 134
Dichlorodifluoromethane	10.0	3.07	30.7 *	44 - 144
Ethyl Benzene	10.0	9.35	93.5	80 - 131
Hexachlorobutadiene	10.0	10.2	102	67 - 146
Isopropylbenzene	10.0	8.49	84.9	76 - 140
Methyl acetate	10.0	10.0	100	51 - 139
Methyl tert-butyl ether (MTBE)	10.0	10.0	100	76 - 135
Methylcyclohexane	10.0	8.72	87.2	72 - 143
Methylene chloride	10.0	9.77	97.7	55 - 137
n-Butylbenzene	10.0	10.0	100	79 - 132
n-Propylbenzene	10.0	8.80	88.0	78 - 133
o-Xylene	10.0	9.46	94.6	78 - 130
p- & m- Xylenes	20.0	18.7	93.4	77 - 133
p-Isopropyltoluene	10.0	9.45	94.5	81 - 136
sec-Butylbenzene	10.0	8.94	89.4	79 - 137
Styrene	10.0	9.88	98.8	67 - 132
tert-Butyl alcohol (TBA)	50.0	57.3	115	25 - 162
tert-Butylbenzene	10.0	8.50	85.0	77 - 138
Tetrachloroethylene	10.0	4.41	44.1 *	82 - 131

FORM III**LCS / LCS DUPLICATE RECOVERY****EPA 8260D**Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24K1290Client: HRP Associates, Inc.Project: 350-352 Liberty St. / NEW6313.RAMatrix: WaterBatch: BK41445Laboratory ID: BK41445-BS1Preparation: EPA 5030BInitial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED ppb	LCS CONCENTRATION ppb	LCS % REC. #	QC LIMITS REC.
Toluene	10.0	9.16	91.6	80 - 127
trans-1,2-Dichloroethylene	10.0	8.95	89.5	80 - 132
trans-1,3-Dichloropropylene	10.0	10.2	102	78 - 131
Trichloroethylene	10.0	8.35	83.5	82 - 128
Trichlorofluoromethane	10.0	6.98	69.8	67 - 139
Vinyl Chloride	10.0	6.20	62.0	58 - 145

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260D

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24K1290Client: HRP Associates, Inc.Project: 350-352 Liberty St. / NEW6313.RAMatrix: WaterBatch: BK41445Laboratory ID: BK41445-BSID1Preparation: EPA 5030BInitial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED ppb	LCSD CONCENTRATION ppb	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
1,1,1,2-Tetrachloroethane	10.0	9.64	96.4	2.41	30	82 - 126
1,1,1-Trichloroethane	10.0	8.90	89.0	7.10	30	78 - 136
1,1,2,2-Tetrachloroethane	10.0	11.4	114	4.87	30	76 - 129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	9.86	98.6	14.3	30	54 - 165
1,1,2-Trichloroethane	10.0	10.2	102	5.04	30	82 - 123
1,1-Dichloroethane	10.0	9.08	90.8	2.79	30	82 - 129
1,1-Dichloroethylene	10.0	9.62	96.2	9.47	30	68 - 138
1,2,3-Trichlorobenzene	10.0	12.6	126	9.54	30	76 - 136
1,2,3-Trichloropropane	10.0	10.0	100	7.68	30	77 - 128
1,2,4-Trichlorobenzene	10.0	11.4	114	4.11	30	76 - 137
1,2,4-Trimethylbenzene	10.0	9.64	96.4	1.25	30	82 - 132
1,2-Dibromo-3-chloropropane	10.0	11.4	114	3.93	30	45 - 147
1,2-Dibromoethane	10.0	10.3	103	3.87	30	83 - 124
1,2-Dichlorobenzene	10.0	9.62	96.2	1.47	30	79 - 123
1,2-Dichloroethane	10.0	10.2	102	4.11	30	73 - 132
1,2-Dichloropropane	10.0	9.79	97.9	2.69	30	78 - 126
1,3,5-Trimethylbenzene	10.0	9.40	94.0	1.72	30	80 - 131
1,3-Dichlorobenzene	10.0	9.40	94.0	1.39	30	86 - 122
1,4-Dichlorobenzene	10.0	9.33	93.3	0.645	30	85 - 124
1,4-Dioxane	210	265	126	5.02	30	10 - 349
2-Butanone	10.0	10.9	109	7.75	30	49 - 152
2-Hexanone	10.0	11.4	114	9.93	30	51 - 146
4-Methyl-2-pentanone	10.0	11.9	119	8.52	30	57 - 145
Acetone	10.0	9.05	90.5	8.05	30	14 - 150
Acrolein	10.0	12.4	124	3.53	30	10 - 153
Acrylonitrile	10.0	12.3	123	7.79	30	51 - 150
Benzene	10.0	9.54	95.4	2.76	30	85 - 126
Bromochloromethane	10.0	10.2	102	3.81	30	77 - 128
Bromodichloromethane	10.0	9.76	97.6	2.49	30	79 - 128
Bromoform	10.0	10.7	107	5.78	30	78 - 133

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260D

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24K1290Client: HRP Associates, Inc.Project: 350-352 Liberty St. / NEW6313.RAMatrix: WaterBatch: BK41445Laboratory ID: BK41445-BSD1Preparation: EPA 5030BInitial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED ppb	LCSD CONCENTRATION ppb	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Bromomethane	10.0	6.88	68.8	5.79	30	43 - 168
Carbon disulfide	10.0	9.73	97.3	7.46	30	68 - 146
Carbon tetrachloride	10.0	9.01	90.1	9.29	30	77 - 141
Chlorobenzene	10.0	9.43	94.3	1.07	30	88 - 120
Chloroethane	10.0	8.16	81.6	6.84	30	65 - 136
Chloroform	10.0	9.24	92.4	2.08	30	82 - 128
Chloromethane	10.0	5.62	56.2	7.38	30	43 - 155
cis-1,2-Dichloroethylene	10.0	9.57	95.7	2.33	30	83 - 129
cis-1,3-Dichloropropylene	10.0	9.90	99.0	2.04	30	80 - 131
Cyclohexane	10.0	9.82	98.2	13.9	30	63 - 149
Dibromochloromethane	10.0	10.4	104	4.04	30	80 - 130
Dibromomethane	10.0	9.96	99.6	5.15	30	72 - 134
Dichlorodifluoromethane	10.0	3.78	37.8 *	20.7	30	44 - 144
Ethyl Benzene	10.0	9.64	96.4	3.05	30	80 - 131
Hexachlorobutadiene	10.0	10.2	102	0.980	30	67 - 146
Isopropylbenzene	10.0	8.80	88.0	3.59	30	76 - 140
Methyl acetate	10.0	10.5	105	5.16	30	51 - 139
Methyl tert-butyl ether (MTBE)	10.0	10.7	107	6.76	30	76 - 135
Methylcyclohexane	10.0	9.67	96.7	10.3	30	72 - 143
Methylene chloride	10.0	10.0	100	2.73	30	55 - 137
n-Butylbenzene	10.0	10.2	102	2.27	30	79 - 132
n-Propylbenzene	10.0	9.04	90.4	2.69	30	78 - 133
o-Xylene	10.0	9.59	95.9	1.36	30	78 - 130
p- & m- Xylenes	20.0	19.1	95.5	2.22	30	77 - 133
p-Isopropyltoluene	10.0	9.69	96.9	2.51	30	81 - 136
sec-Butylbenzene	10.0	9.25	92.5	3.41	30	79 - 137
Styrene	10.0	10.1	101	2.00	30	67 - 132
tert-Butyl alcohol (TBA)	50.0	63.0	126	9.51	30	25 - 162
tert-Butylbenzene	10.0	8.76	87.6	3.01	30	77 - 138
Tetrachloroethylene	10.0	4.64	46.4 *	5.08	30	82 - 131

LCS / LCS DUPLICATE RECOVERY
EPA 8260D

Laboratory: York Analytical Laboratories, Inc. - Stratford

SDG: 24K1290

Client: HRP Associates, Inc.

Project: 350-352 Liberty St. / NEW6313.RA

Matrix: Water

Batch: BK41445

Laboratory ID: BK41445-BSD1

Preparation: EPA 5030B

Initial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED ppb	LCSD CONCENTRATION ppb	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Toluene	10.0	9.38	93.8	2.37	30	80 - 127
trans-1,2-Dichloroethylene	10.0	9.39	93.9	4.80	30	80 - 132
trans-1,3-Dichloropropylene	10.0	10.5	105	2.91	30	78 - 131
Trichloroethylene	10.0	8.73	87.3	4.45	30	82 - 128
Trichlorofluoromethane	10.0	8.05	80.5	14.2	30	67 - 139
Vinyl Chloride	10.0	6.88	68.8	10.4	30	58 - 145

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260D

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24K1290Client: HRP Associates, Inc.Project: 350-352 Liberty St. / NEW6313.RAMatrix: WaterBatch: BK41471Laboratory ID: BK41471-BS1Preparation: EPA 5030BInitial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED ppb	LCS CONCENTRATION ppb	LCS % REC. #	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	10.0	10.0	100	82 - 126
1,1,1-Trichloroethane	10.0	10.0	100	78 - 136
1,1,2,2-Tetrachloroethane	10.0	9.82	98.2	76 - 129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	10.5	105	54 - 165
1,1,2-Trichloroethane	10.0	9.79	97.9	82 - 123
1,1-Dichloroethane	10.0	10.0	100	82 - 129
1,1-Dichloroethylene	10.0	10.6	106	68 - 138
1,2,3-Trichlorobenzene	10.0	8.71	87.1	76 - 136
1,2,3-Trichloropropane	10.0	9.90	99.0	77 - 128
1,2,4-Trichlorobenzene	10.0	9.26	92.6	76 - 137
1,2,4-Trimethylbenzene	10.0	10.9	109	82 - 132
1,2-Dibromo-3-chloropropane	10.0	9.62	96.2	45 - 147
1,2-Dibromoethane	10.0	9.83	98.3	83 - 124
1,2-Dichlorobenzene	10.0	9.86	98.6	79 - 123
1,2-Dichloroethane	10.0	9.77	97.7	73 - 132
1,2-Dichloropropane	10.0	10.7	107	78 - 126
1,3,5-Trimethylbenzene	10.0	10.9	109	80 - 131
1,3-Dichlorobenzene	10.0	10.0	100	86 - 122
1,4-Dichlorobenzene	10.0	9.87	98.7	85 - 124
1,4-Dioxane	210	189	89.9	10 - 349
2-Butanone	10.0	9.16	91.6	49 - 152
2-Hexanone	10.0	9.31	93.1	51 - 146
4-Methyl-2-pentanone	10.0	10.1	101	57 - 145
Acetone	10.0	7.83	78.3	14 - 150
Acrolein	10.0	9.33	93.3	10 - 153
Acrylonitrile	10.0	10.2	102	51 - 150
Benzene	10.0	10.5	105	85 - 126
Bromochloromethane	10.0	10.1	101	77 - 128
Bromodichloromethane	10.0	10.3	103	79 - 128
Bromoform	10.0	9.35	93.5	78 - 133

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260D

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24K1290Client: HRP Associates, Inc.Project: 350-352 Liberty St. / NEW6313.RAMatrix: WaterBatch: BK41471Laboratory ID: BK41471-BS1Preparation: EPA 5030BInitial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED ppb	LCS CONCENTRATION ppb	LCS % REC. #	QC LIMITS REC.
Bromomethane	10.0	6.77	67.7	43 - 168
Carbon disulfide	10.0	9.97	99.7	68 - 146
Carbon tetrachloride	10.0	10.2	102	77 - 141
Chlorobenzene	10.0	10.2	102	88 - 120
Chloroethane	10.0	8.69	86.9	65 - 136
Chloroform	10.0	9.98	99.8	82 - 128
Chloromethane	10.0	5.87	58.7	43 - 155
cis-1,2-Dichloroethylene	10.0	10.3	103	83 - 129
cis-1,3-Dichloropropylene	10.0	10.1	101	80 - 131
Cyclohexane	10.0	10.8	108	63 - 149
Dibromochloromethane	10.0	9.90	99.0	80 - 130
Dibromomethane	10.0	9.67	96.7	72 - 134
Dichlorodifluoromethane	10.0	3.11	31.1 *	44 - 144
Ethyl Benzene	10.0	10.7	107	80 - 131
Hexachlorobutadiene	10.0	9.87	98.7	67 - 146
Isopropylbenzene	10.0	10.9	109	76 - 140
Methyl acetate	10.0	9.13	91.3	51 - 139
Methyl tert-butyl ether (MTBE)	10.0	9.25	92.5	76 - 135
Methylcyclohexane	10.0	10.4	104	72 - 143
Methylene chloride	10.0	11.0	110	55 - 137
n-Butylbenzene	10.0	10.9	109	79 - 132
n-Propylbenzene	10.0	10.8	108	78 - 133
o-Xylene	10.0	10.4	104	78 - 130
p- & m- Xylenes	20.0	21.1	105	77 - 133
p-Isopropyltoluene	10.0	10.8	108	81 - 136
sec-Butylbenzene	10.0	10.7	107	79 - 137
Styrene	10.0	10.5	105	67 - 132
tert-Butyl alcohol (TBA)	50.0	43.8	87.7	25 - 162
tert-Butylbenzene	10.0	10.5	105	77 - 138
Tetrachloroethylene	10.0	5.29	52.9 *	82 - 131

FORM III**LCS / LCS DUPLICATE RECOVERY****EPA 8260D**Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24K1290Client: HRP Associates, Inc.Project: 350-352 Liberty St. / NEW6313.RAMatrix: WaterBatch: BK41471Laboratory ID: BK41471-BS1Preparation: EPA 5030BInitial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED ppb	LCS CONCENTRATION ppb	LCS % REC. #	QC LIMITS REC.
Toluene	10.0	10.7	107	80 - 127
trans-1,2-Dichloroethylene	10.0	10.4	104	80 - 132
trans-1,3-Dichloropropylene	10.0	9.99	99.9	78 - 131
Trichloroethylene	10.0	11.1	111	82 - 128
Trichlorofluoromethane	10.0	8.65	86.5	67 - 139
Vinyl Chloride	10.0	6.82	68.2	58 - 145

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260D

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24K1290Client: HRP Associates, Inc.Project: 350-352 Liberty St. / NEW6313.RAMatrix: WaterBatch: BK41471Laboratory ID: BK41471-BS01Preparation: EPA 5030BInitial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED ppb	LCSD CONCENTRATION ppb	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
1,1,1,2-Tetrachloroethane	10.0	9.68	96.8	3.55	30	82 - 126
1,1,1-Trichloroethane	10.0	9.29	92.9	7.56	30	78 - 136
1,1,2,2-Tetrachloroethane	10.0	9.68	96.8	1.44	30	76 - 129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	9.38	93.8	11.6	30	54 - 165
1,1,2-Trichloroethane	10.0	9.61	96.1	1.86	30	82 - 123
1,1-Dichloroethane	10.0	9.61	96.1	4.08	30	82 - 129
1,1-Dichloroethylene	10.0	9.76	97.6	8.63	30	68 - 138
1,2,3-Trichlorobenzene	10.0	7.96	79.6	9.00	30	76 - 136
1,2,3-Trichloropropane	10.0	9.68	96.8	2.25	30	77 - 128
1,2,4-Trichlorobenzene	10.0	8.99	89.9	2.96	30	76 - 137
1,2,4-Trimethylbenzene	10.0	10.4	104	3.94	30	82 - 132
1,2-Dibromo-3-chloropropane	10.0	9.49	94.9	1.36	30	45 - 147
1,2-Dibromoethane	10.0	9.63	96.3	2.06	30	83 - 124
1,2-Dichlorobenzene	10.0	9.55	95.5	3.19	30	79 - 123
1,2-Dichloroethane	10.0	9.66	96.6	1.13	30	73 - 132
1,2-Dichloropropane	10.0	10.2	102	4.21	30	78 - 126
1,3,5-Trimethylbenzene	10.0	10.4	104	4.97	30	80 - 131
1,3-Dichlorobenzene	10.0	9.70	97.0	3.25	30	86 - 122
1,4-Dichlorobenzene	10.0	9.62	96.2	2.57	30	85 - 124
1,4-Dioxane	210	226	108	18.1	30	10 - 349
2-Butanone	10.0	9.33	93.3	1.84	30	49 - 152
2-Hexanone	10.0	9.54	95.4	2.44	30	51 - 146
4-Methyl-2-pentanone	10.0	9.92	99.2	1.50	30	57 - 145
Acetone	10.0	8.07	80.7	3.02	30	14 - 150
Acrolein	10.0	8.18	81.8	13.1	30	10 - 153
Acrylonitrile	10.0	10.0	100	1.68	30	51 - 150
Benzene	10.0	10.1	101	3.98	30	85 - 126
Bromochloromethane	10.0	9.86	98.6	2.01	30	77 - 128
Bromodichloromethane	10.0	10.0	100	2.56	30	79 - 128
Bromoform	10.0	9.58	95.8	2.43	30	78 - 133

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260D

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24K1290Client: HRP Associates, Inc.Project: 350-352 Liberty St. / NEW6313.RAMatrix: WaterBatch: BK41471Laboratory ID: BK41471-BS1Preparation: EPA 5030BInitial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED ppb	LCSD CONCENTRATION ppb	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Bromomethane	10.0	7.85	78.5	14.8	30	43 - 168
Carbon disulfide	10.0	9.21	92.1	7.92	30	68 - 146
Carbon tetrachloride	10.0	9.36	93.6	8.20	30	77 - 141
Chlorobenzene	10.0	9.84	98.4	3.69	30	88 - 120
Chloroethane	10.0	8.13	81.3	6.66	30	65 - 136
Chloroform	10.0	9.63	96.3	3.57	30	82 - 128
Chloromethane	10.0	5.12	51.2	13.6	30	43 - 155
cis-1,2-Dichloroethylene	10.0	9.91	99.1	3.76	30	83 - 129
cis-1,3-Dichloropropylene	10.0	9.90	99.0	1.60	30	80 - 131
Cyclohexane	10.0	9.64	96.4	11.0	30	63 - 149
Dibromochloromethane	10.0	9.70	97.0	2.04	30	80 - 130
Dibromomethane	10.0	9.42	94.2	2.62	30	72 - 134
Dichlorodifluoromethane	10.0	2.68	26.8 *	14.9	30	44 - 144
Ethyl Benzene	10.0	10.2	102	4.96	30	80 - 131
Hexachlorobutadiene	10.0	9.46	94.6	4.24	30	67 - 146
Isopropylbenzene	10.0	10.2	102	6.06	30	76 - 140
Methyl acetate	10.0	9.19	91.9	0.655	30	51 - 139
Methyl tert-butyl ether (MTBE)	10.0	9.22	92.2	0.325	30	76 - 135
Methylcyclohexane	10.0	9.62	96.2	8.18	30	72 - 143
Methylene chloride	10.0	10.8	108	1.74	30	55 - 137
n-Butylbenzene	10.0	10.4	104	4.88	30	79 - 132
n-Propylbenzene	10.0	10.3	103	5.50	30	78 - 133
o-Xylene	10.0	10.0	100	3.71	30	78 - 130
p- & m- Xylenes	20.0	20.1	100	4.86	30	77 - 133
p-Isopropyltoluene	10.0	10.3	103	5.01	30	81 - 136
sec-Butylbenzene	10.0	10.2	102	5.08	30	79 - 137
Styrene	10.0	10.1	101	3.21	30	67 - 132
tert-Butyl alcohol (TBA)	50.0	47.8	95.5	8.54	30	25 - 162
tert-Butylbenzene	10.0	9.93	99.3	5.29	30	77 - 138
Tetrachloroethylene	10.0	4.88	48.8 *	8.06	30	82 - 131

LCS / LCS DUPLICATE RECOVERY
EPA 8260D

Laboratory:York Analytical Laboratories, Inc. - Stratford

SDG:24K1290

Client:HRP Associates, Inc.

Project:350-352 Liberty St. / NEW6313.RA

Matrix:Water

Batch:BK41471

Laboratory ID:BK41471-BSD1

Preparation:EPA 5030B

Initial/Final:25 mL / 25 mL

COMPOUND	SPIKE ADDED ppb	LCSD CONCENTRATION ppb	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Toluene	10.0	10.1	101	5.28	30	80 - 127
trans-1,2-Dichloroethylene	10.0	9.87	98.7	5.33	30	80 - 132
trans-1,3-Dichloropropylene	10.0	9.96	99.6	0.301	30	78 - 131
Trichloroethylene	10.0	10.4	104	5.95	30	82 - 128
Trichlorofluoromethane	10.0	7.74	77.4	11.1	30	67 - 139
Vinyl Chloride	10.0	6.33	63.3	7.45	30	58 - 145

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM I

METHOD BLANK DATA SHEET

EPA 8260D

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 24K1290
 Client: HRP Associates, Inc. Project: 350-352 Liberty St. / NEW6313.RA
 Matrix: Water Laboratory ID: BK41445-BLK1 File ID: V10C08621.D
 Prepared: 11/21/24 08:00 Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Analyzed: 11/21/24 10:35 Instrument: VOA No. 10
 Batch: BK41445 Sequence: S4K2130 Calibration: SK40026

CAS NO.	COMPOUND	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	0.500	U
71-55-6	1,1,1-Trichloroethane	0.500	U
79-34-5	1,1,2,2-Tetrachloroethane	0.500	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.500	U
79-00-5	1,1,2-Trichloroethane	0.500	U
75-34-3	1,1-Dichloroethane	0.500	U
75-35-4	1,1-Dichloroethylene	0.500	U
87-61-6	1,2,3-Trichlorobenzene	0.240	J
96-18-4	1,2,3-Trichloropropane	0.500	U
120-82-1	1,2,4-Trichlorobenzene	0.500	U
95-63-6	1,2,4-Trimethylbenzene	0.500	U
96-12-8	1,2-Dibromo-3-chloropropane	0.500	U
106-93-4	1,2-Dibromoethane	0.500	U
95-50-1	1,2-Dichlorobenzene	0.500	U
107-06-2	1,2-Dichloroethane	0.500	U
78-87-5	1,2-Dichloropropane	0.500	U
108-67-8	1,3,5-Trimethylbenzene	0.500	U
541-73-1	1,3-Dichlorobenzene	0.500	U
106-46-7	1,4-Dichlorobenzene	0.500	U
123-91-1	1,4-Dioxane	80.0	U
78-93-3	2-Butanone	0.500	U
591-78-6	2-Hexanone	0.500	U
108-10-1	4-Methyl-2-pentanone	0.500	U
67-64-1	Acetone	2.00	U
107-02-8	Acrolein	0.530	
107-13-1	Acrylonitrile	0.500	U
71-43-2	Benzene	0.500	U
74-97-5	Bromochloromethane	0.500	U
75-27-4	Bromodichloromethane	0.500	U
75-25-2	Bromoform	0.500	U

FORM I

METHOD BLANK DATA SHEET
EPA 8260D

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 24K1290
 Client: HRP Associates, Inc. Project: 350-352 Liberty St. / NEW6313.RA
 Matrix: Water Laboratory ID: BK41445-BLK1 File ID: V10C08621.D
 Prepared: 11/21/24 08:00 Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Analyzed: 11/21/24 10:35 Instrument: VOA No. 10
 Batch: BK41445 Sequence: S4K2130 Calibration: SK40026

CAS NO.	COMPOUND	CONC. (ug/L)	Q
74-83-9	Bromomethane	0.500	U
75-15-0	Carbon disulfide	0.500	U
56-23-5	Carbon tetrachloride	0.500	U
108-90-7	Chlorobenzene	0.500	U
75-00-3	Chloroethane	0.500	U
67-66-3	Chloroform	0.500	U
74-87-3	Chloromethane	0.500	U
156-59-2	cis-1,2-Dichloroethylene	0.500	U
10061-01-5	cis-1,3-Dichloropropylene	0.500	U
110-82-7	Cyclohexane	0.500	U
124-48-1	Dibromochloromethane	0.500	U
74-95-3	Dibromomethane	0.500	U
75-71-8	Dichlorodifluoromethane	0.500	U
100-41-4	Ethyl Benzene	0.500	U
87-68-3	Hexachlorobutadiene	0.500	U
98-82-8	Isopropylbenzene	0.500	U
79-20-9	Methyl acetate	0.500	U
1634-04-4	Methyl tert-butyl ether (MTBE)	0.500	U
108-87-2	Methylcyclohexane	0.500	U
75-09-2	Methylene chloride	0.510	J
104-51-8	n-Butylbenzene	0.500	U
103-65-1	n-Propylbenzene	0.500	U
95-47-6	o-Xylene	0.500	U
179601-23-1	p- & m- Xylenes	1.00	U
99-87-6	p-Isopropyltoluene	0.500	U
135-98-8	sec-Butylbenzene	0.500	U
100-42-5	Styrene	0.500	U
75-65-0	tert-Butyl alcohol (TBA)	1.00	U
98-06-6	tert-Butylbenzene	0.500	U
127-18-4	Tetrachloroethylene	0.500	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260D

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24K1290

Client: HRP Associates, Inc.Project: 350-352 Liberty St. / NEW6313.RA

Matrix: WaterLaboratory ID: BK41445-BLK1File ID: V10C08621.D

Prepared: 11/21/24 08:00Preparation: EPA 5030BInitial/Final: 25 mL / 25 mL

Analyzed: 11/21/24 10:35Instrument: VOA No. 10

Batch: BK41445Sequence: S4K2130Calibration: SK40026

CAS NO.	COMPOUND	CONC. (ug/L)	Q
108-88-3	Toluene	0.500	U
156-60-5	trans-1,2-Dichloroethylene	0.500	U
10061-02-6	trans-1,3-Dichloropropylene	0.500	U
79-01-6	Trichloroethylene	0.500	U
75-69-4	Trichlorofluoromethane	0.500	U
75-01-4	Vinyl Chloride	0.500	U
1330-20-7	Xylenes, Total	1.50	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	10.0	10.5	105	69 - 130	
SURR: p-Bromofluorobenzene	10.0	9.85	98.5	79 - 122	
SURR: Toluene-d8	10.0	9.80	98.0	81 - 117	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: 1,2-Dichlorobenzene-d4	313104	12.241	327220	12.241	
ISTD: Chlorobenzene-d5	865607	9.235	866816	9.235	
ISTD: Fluorobenzene	231010	6.187	226519	6.187	

FORM I

METHOD BLANK DATA SHEET

EPA 8260D

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 24K1290
 Client: HRP Associates, Inc. Project: 350-352 Liberty St. / NEW6313.RA
 Matrix: Water Laboratory ID: BK41471-BLK1 File ID: V10C08646.D
 Prepared: 11/21/24 15:35 Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Analyzed: 11/21/24 21:40 Instrument: VOA No. 10
 Batch: BK41471 Sequence: S4K2207 Calibration: SK40026

CAS NO.	COMPOUND	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	0.500	U
71-55-6	1,1,1-Trichloroethane	0.500	U
79-34-5	1,1,2,2-Tetrachloroethane	0.500	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.500	U
79-00-5	1,1,2-Trichloroethane	0.500	U
75-34-3	1,1-Dichloroethane	0.500	U
75-35-4	1,1-Dichloroethylene	0.500	U
87-61-6	1,2,3-Trichlorobenzene	0.310	J
96-18-4	1,2,3-Trichloropropane	0.500	U
120-82-1	1,2,4-Trichlorobenzene	0.500	U
95-63-6	1,2,4-Trimethylbenzene	0.500	U
96-12-8	1,2-Dibromo-3-chloropropane	0.500	U
106-93-4	1,2-Dibromoethane	0.500	U
95-50-1	1,2-Dichlorobenzene	0.500	U
107-06-2	1,2-Dichloroethane	0.500	U
78-87-5	1,2-Dichloropropane	0.500	U
108-67-8	1,3,5-Trimethylbenzene	0.500	U
541-73-1	1,3-Dichlorobenzene	0.500	U
106-46-7	1,4-Dichlorobenzene	0.500	U
123-91-1	1,4-Dioxane	80.0	U
78-93-3	2-Butanone	0.500	U
591-78-6	2-Hexanone	0.500	U
108-10-1	4-Methyl-2-pentanone	0.500	U
67-64-1	Acetone	2.00	U
107-02-8	Acrolein	0.720	
107-13-1	Acrylonitrile	0.500	U
71-43-2	Benzene	0.500	U
74-97-5	Bromochloromethane	0.500	U
75-27-4	Bromodichloromethane	0.500	U
75-25-2	Bromoform	0.500	U

FORM I

METHOD BLANK DATA SHEET
EPA 8260D

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 24K1290
 Client: HRP Associates, Inc. Project: 350-352 Liberty St. / NEW6313.RA
 Matrix: Water Laboratory ID: BK41471-BLK1 File ID: V10C08646.D
 Prepared: 11/21/24 15:35 Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Analyzed: 11/21/24 21:40 Instrument: VOA No. 10
 Batch: BK41471 Sequence: S4K2207 Calibration: SK40026

CAS NO.	COMPOUND	CONC. (ug/L)	Q
74-83-9	Bromomethane	0.500	U
75-15-0	Carbon disulfide	0.500	U
56-23-5	Carbon tetrachloride	0.500	U
108-90-7	Chlorobenzene	0.500	U
75-00-3	Chloroethane	0.500	U
67-66-3	Chloroform	0.500	U
74-87-3	Chloromethane	0.500	U
156-59-2	cis-1,2-Dichloroethylene	0.500	U
10061-01-5	cis-1,3-Dichloropropylene	0.500	U
110-82-7	Cyclohexane	0.500	U
124-48-1	Dibromochloromethane	0.500	U
74-95-3	Dibromomethane	0.500	U
75-71-8	Dichlorodifluoromethane	0.500	U
100-41-4	Ethyl Benzene	0.500	U
87-68-3	Hexachlorobutadiene	0.500	U
98-82-8	Isopropylbenzene	0.500	U
79-20-9	Methyl acetate	0.500	U
1634-04-4	Methyl tert-butyl ether (MTBE)	0.500	U
108-87-2	Methylcyclohexane	0.500	U
75-09-2	Methylene chloride	0.620	J
104-51-8	n-Butylbenzene	0.500	U
103-65-1	n-Propylbenzene	0.500	U
95-47-6	o-Xylene	0.500	U
179601-23-1	p- & m- Xylenes	1.00	U
99-87-6	p-Isopropyltoluene	0.500	U
135-98-8	sec-Butylbenzene	0.500	U
100-42-5	Styrene	0.500	U
75-65-0	tert-Butyl alcohol (TBA)	1.00	U
98-06-6	tert-Butylbenzene	0.500	U
127-18-4	Tetrachloroethylene	0.500	U

FORM I

METHOD BLANK DATA SHEET
EPA 8260D

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 24K1290
 Client: HRP Associates, Inc. Project: 350-352 Liberty St. / NEW6313.RA
 Matrix: Water Laboratory ID: BK41471-BLK1 File ID: V10C08646.D
 Prepared: 11/21/24 15:35 Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Analyzed: 11/21/24 21:40 Instrument: VOA No. 10
 Batch: BK41471 Sequence: S4K2207 Calibration: SK40026

CAS NO.	COMPOUND	CONC. (ug/L)	Q
108-88-3	Toluene	0.500	U
156-60-5	trans-1,2-Dichloroethylene	0.500	U
10061-02-6	trans-1,3-Dichloropropylene	0.500	U
79-01-6	Trichloroethylene	0.500	U
75-69-4	Trichlorofluoromethane	0.500	U
75-01-4	Vinyl Chloride	0.500	U
1330-20-7	Xylenes, Total	1.50	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	10.0	9.58	95.8	69 - 130	
SURR: p-Bromofluorobenzene	10.0	10.7	107	79 - 122	
SURR: Toluene-d8	10.0	10.0	100	81 - 117	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: 1,2-Dichlorobenzene-d4	269414	12.241	308778	12.241	
ISTD: Chlorobenzene-d5	842068	9.235	879401	9.235	
ISTD: Fluorobenzene	233426	6.187	237107	6.187	

FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA 8260D

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24K1290Client: HRP Associates, Inc.Project: 350-352 Liberty St. / NEW6313.RACalibration: SK40026Instrument: VOA No. 10Calibration Date: 11/18/24 07:00

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,1,1,2-Tetrachloroethane	0.2556377	6.588001	9.35325	3.839756E-02			20	
1,1,1-Trichloroethane	1.821323	7.108257	5.559	5.786728E-03			SPCC (0.1)	
1,1,2,2-Tetrachloroethane	0.3542677	4.783077	10.70538	1.861533E-02			SPCC (0.3)	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.8717245	11.44836	3.328	6.845248E-03			SPCC (0.1)	
1,1,2-Trichloroethane	0.1544914	6.851494	8.2525	2.778049E-02			SPCC (0.1)	
1,1-Dichloroethane	2.111874	5.802709	4.55675	6.799544E-02			SPCC (0.2)	
1,1-Dichloroethylene	1.498838	9.37846	3.366125	9.151143E-02			SPCC (0.1)	
1,1-Dichloropropylene	1.573179	7.947161	5.71025	4.897626E-02			20	
1,2,3-Trichlorobenzene	0.1128371	14.53465	14.66775	5.266174E-03			20	
1,2,3-Trichloropropane	0.1140816	5.162134	10.7575	3.013737E-02			20	
1,2,3-Trimethylbenzene	2.840013	5.09302	11.848	2.746582E-02			20	
1,2,4,5-Tetramethylbenzene	1.742094	5.360479	13.033	1.581661E-02			20	
1,2,4-Trichlorobenzene	0.2537993	9.226508	14.09175	2.822706E-02			SPCC (0.2)	
1,2,4-Trimethylbenzene	3.159076	4.870124	11.357	0.0178595			20	
1,2-Dibromo-3-chloropropane	3.922985E-02	9.849705	13.19275	7.206427E-03			SPCC (0.05)	
1,2-Dibromoethane	0.1385855	6.638774	8.79525	1.905606E-02			SPCC (0.1)	
1,2-Dichlorobenzene	1.067984	4.892599	12.265	1.605939E-02			SPCC (0.4)	
1,2-Dichloroethane	1.099754	6.881617	5.986	2.149577E-02			SPCC (0.1)	
1,2-Dichloropropane	0.2936676	5.588095	6.77925	3.120435E-02			SPCC (0.1)	
1,3,5-Trimethylbenzene	3.332836	5.72631	10.92625	2.655954E-02			20	
1,3-Dichlorobenzene	1.436827	4.99926	11.72525	3.261696E-02			SPCC (0.6)	
1,3-Dichloropropane	0.2868725	7.017162	8.422	3.987361E-02			20	
1,4-Dichlorobenzene	1.392986	4.638245	11.8275	1.840625E-02			SPCC (0.5)	
1,4-Dioxane	1.086713E-03	17.66412	6.912875	4.505773E-02		0.9943394	0.99	
2,2-Dichloropropane	1.710455	6.932803	5.0855	0.055752			20	
2-Butanone	5.284164E-02	18.79581	5.13475	0.1123878		0.9975491	SPCC (0.1)	
2-Chlorotoluene	3.460577	4.598306	10.8735	2.531803E-02			20	
2-Hexanone	6.259319E-02	9.161664	8.45575	2.250179E-02			SPCC (0.1)	
4-Chlorotoluene	2.944746	4.55939	10.99775	2.455426E-02			20	
4-Methyl-2-pentanone	9.156071E-02	7.659324	7.607125	2.703421E-02			SPCC (0.1)	
Acetone	0.1789769	39.58398	3.4695	7.923401E-02		0.9931577	SPCC (0.1)	
Acrolein	7.143129E-02	60.18581	3.315125	0.1233302		0.9995308	0.99	

FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA 8260D

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24K1290Client: HRP Associates, Inc.Project: 350-352 Liberty St. / NEW6313.RACalibration: SK40026Instrument: VOA No. 10Calibration Date: 11/18/24 07:00

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Acrylonitrile	0.1208163	10.13511	4.178875	0.1114619			20	
Allyl chloride	1.587093	6.308446	3.748875	9.800658E-03			20	
Benzene	4.788052	5.947651	5.925	2.357405E-02			SPCC (0.5)	
Bromobenzene	1.368906	3.960275	10.686	1.823744E-02			20	
Bromochloromethane	0.7270373	6.633817	5.36325	4.376567E-02			20	
Bromodichloromethane	0.3554332	6.179834	7.0605	4.360447E-02			SPCC (0.2)	
Bromoform	7.783878E-02	12.24764	10.208	0.0257271			SPCC (0.1)	
Bromomethane	0.310082	19.91402	2.45075	8.513193E-02		0.9997942	SPCC (0.1)	
Carbon disulfide	2.883136	19.18711	3.602	1.752739E-02		0.9996408	SPCC (0.1)	
Carbon tetrachloride	1.480943	7.895881	5.703125	0.0591068			SPCC (0.1)	
Chlorobenzene	0.8346039	5.261196	9.266	0.019281			SPCC (0.5)	
Chloroethane	0.7798795	8.40963	2.56	1.490594E-02			SPCC (0.1)	
Chloroform	2.030629	5.556998	5.4235	5.315411E-02			SPCC (0.2)	
Chloromethane	0.6887703	7.530432	1.953	0.1642969			SPCC (0.1)	
cis-1,2-Dichloroethylene	1.841386	5.438989	5.1155	5.407004E-02			SPCC (0.1)	
cis-1,3-Dichloropropylene	0.4249489	6.875219	7.480375	3.390826E-02			SPCC (0.2)	
Cyclohexane	1.915926	9.625879	5.57175	3.397069E-02			SPCC (0.1)	
Dibromochloromethane	0.178312	7.932202	8.668	2.382502E-02			SPCC (0.1)	
Dibromomethane	0.1109555	5.550728	6.925	6.908534E-03			20	
Dichlorodifluoromethane	0.6891304	13.07138	1.7325	0.1601071			SPCC (0.1)	
Diisopropyl ether (DIPE)	2.943869	6.75856	4.52525	6.888895E-02			20	
Ethyl Benzene	1.602408	5.328849	9.33975	2.944689E-02			SPCC (0.1)	
Ethyl Ether	0.5255583	8.014444	3.110125	9.859325E-02			20	
Ethyl tert-butyl ether (ETBE)	2.542365	8.340737	4.87	2.106521E-02			20	
Freon 115	8.014901E-02	21.71576	1.563	0.0139079		0.9968545	0.99	
Freon 123	1.492517	10.64174	3.23	1.829531E-02			20	
Freon 152a	0.9361467	11.70947	1.70675	0.124359			20	
Freon 22	1.209752	12.52745	1.761	1.439341E-02			20	
Hexachlorobutadiene	0.1765213	16.32227	14.2265	1.912035E-02		0.9995909	0.99	
Iodomethane	0.5264464	34.24535	3.55275	0.0679164		0.9981378	0.99	
Isopropylbenzene	4.491841	5.624433	10.284	1.368717E-02			SPCC (0.1)	
Methyl acetate	0.3913821	8.859329	4.0885	0.1037675			SPCC (0.1)	

FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA 8260D

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24K1290Client: HRP Associates, Inc.Project: 350-352 Liberty St. / NEW6313.RACalibration: SK40026Instrument: VOA No. 10Calibration Date: 11/18/24 07:00

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Methyl Methacrylate	0.087597	7.241359	6.833	8.751124E-03			20	
Methyl tert-butyl ether (MTBE)	1.838819	9.377934	4.08925	5.400539E-02			SPCC (0.1)	
Methylcyclohexane	0.533834	9.512887	6.661375	3.918174E-02			SPCC (0.1)	
Methylene chloride	1.286373	8.214617	3.895	1.788808E-02			SPCC (0.1)	
Naphthalene	0.3713435	12.00968	14.39375	1.026701E-02			20	
n-Butylbenzene	3.05428	5.832206	12.165	1.826879E-02			20	
n-Propylbenzene	5.271998	5.719607	10.74025	0.024919			20	
o-Xylene	1.239207	5.566761	9.90075	2.554888E-02			SPCC (0.3)	
p- & m- Xylenes	1.253723	6.192937	9.461	0.0101609			SPCC (0.1)	
p-Diethylbenzene	1.620476	5.466123	12.134	0.0295785			20	
p-Ethyltoluene	4.162123	5.155755	10.863	1.075752E-02			20	
p-Isopropyltoluene	3.198215	6.050959	11.69425	1.558889E-02			20	
sec-Butylbenzene	4.01191	6.345629	11.53925	0.0225762			20	
Styrene	0.8906222	7.608088	9.93	1.478482E-02			SPCC (0.3)	
SURR: 1,2-Dichloroethane-d4	0.9794949	3.384554	5.91225	3.381857E-02			20	
SURR: p-Bromofluorobenzene	1.392357	1.880165	10.50925	1.416304E-02			20	
SURR: Toluene-d8	1.388568	0.9128515	7.7155	3.825897E-02			20	
tert-Amyl alcohol (TAA)	2.904807E-02	10.50661	5.92275	5.385701E-02			20	
tert-Amyl methyl ether (TAME)	2.344183	8.571572	5.961	4.586513E-02			20	
tert-Butyl alcohol (TBA)	3.173331E-02	11.47406	3.998625	9.858087E-03			20	
tert-Butylbenzene	2.920677	5.372996	11.296	1.787623E-02			20	
Tetrachloroethylene	0.6252343	5.142082	8.32925	0.0297306			SPCC (0.2)	
Tetrahydrofuran	0.04037	13.56371	5.37975	8.222093E-02			20	
Toluene	1.416145	5.501883	7.784	1.697481E-02			SPCC (0.4)	
trans-1,2-Dichloroethylene	1.581354	6.974371	4.126875	1.043774E-02			SPCC (0.1)	
trans-1,3-Dichloropropylene	0.3101439	7.640708	8.047375	3.070338E-02			SPCC (0.1)	
trans-1,4-dichloro-2-butene	0.4304209	5.259786	10.75675	3.206016E-02			20	
Trichloroethylene	0.3432923	5.541181	6.528625	1.388732E-02			SPCC (0.2)	
Trichlorofluoromethane	1.503877	9.137443	2.8145	9.798289E-02			SPCC (0.1)	
Vinyl acetate	4.603392E-02	17.75225	4.57875	4.409864E-02		0.9997328	0.99	
Vinyl Chloride	1.100569	7.604482	2.07125	0.1041872			SPCC (0.1)	

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8260D

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24K1290Client: HRP Associates, Inc.Project: 350-352 Liberty St. / NEW6313.RAInstrument ID: VOA No. 10Calibration: SK40026Lab File ID: V10C08617.DCalibration Date: 11/18/24 07:00Sequence: S4K2130Injection Date: 11/21/24Lab Sample ID: S4K2130-CCV1Injection Time: 08:40

COMPOUND	TYPE	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1,1,2-Tetrachloroethane	A	10.0	10.1	0.2556377	0.2571065		0.6	20
1,1,1-Trichloroethane	A	10.0	9.13	1.821323	1.663039	0.1	-8.7	20
1,1,2,2-Tetrachloroethane	A	10.0	11.5	0.3542677	0.4062496	0.3	14.7	20
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	10.0	8.75	0.8717245	0.7629294	0.1	-12.5	20
1,1,2-Trichloroethane	A	10.0	10.7	0.1544914	0.1647478	0.1	6.6	20
1,1-Dichloroethane	A	10.0	9.98	2.111874	2.107346	0.2	-0.2	20
1,1-Dichloroethylene	A	10.0	9.10	1.498838	1.364685	0.1	-9.0	20
1,2,3-Trichlorobenzene	A	10.0	11.0	0.1128371	0.1247112		10.5	20
1,2,3-Trichloropropane	A	10.0	10.1	0.1140816	0.1152802		1.1	20
1,2,4-Trichlorobenzene	A	10.0	10.6	0.2537993	0.2700018	0.2	6.4	20
1,2,4-Trimethylbenzene	A	10.0	9.59	3.159076	3.030863		-4.1	20
1,2-Dibromo-3-chloropropane	A	10.0	11.9	3.922985E-02	4.655278E-02	0.05	18.7	20
1,2-Dibromoethane	A	10.0	10.8	0.1385855	0.149297	0.1	7.7	20
1,2-Dichlorobenzene	A	10.0	9.89	1.067984	1.056078	0.4	-1.1	20
1,2-Dichloroethane	A	10.0	10.8	1.099754	1.182104	0.1	7.5	20
1,2-Dichloropropane	A	10.0	10.3	0.2936676	0.3018922	0.1	2.8	20
1,3,5-Trimethylbenzene	A	10.0	9.39	3.332836	3.127987		-6.1	20
1,3-Dichlorobenzene	A	10.0	9.72	1.436827	1.397268	0.6	-2.8	20
1,4-Dichlorobenzene	A	10.0	9.77	1.392986	1.360256	0.5	-2.3	20
1,4-Dioxane	A	200	272	1.086713E-03	1.292604E-03		36.1	20 *
2-Butanone	A	10.0	11.4	5.284164E-02	6.331036E-02	0.1	14.0	20
2-Hexanone	A	10.0	12.0	6.259319E-02	7.491094E-02	0.1	19.7	20
4-Methyl-2-pentanone	A	10.0	11.9	9.156071E-02	0.1088351	0.1	18.9	20
Acetone	A	10.0	11.7	0.1789769	0.1539606	0.1	17.1	20
Acrolein	A	10.0	12.1	7.143129E-02	6.225526E-02		21.4	20 *
Acrylonitrile	A	10.0	12.0	0.1208163	0.145352		20.3	20 *
Benzene	A	10.0	9.95	4.788052	4.763291	0.5	-0.5	20
Bromochloromethane	A	10.0	11.0	0.7270373	0.7974386		9.7	20
Bromodichloromethane	A	10.0	10.4	0.3554332	0.3681739	0.2	3.6	20

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8260D

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24K1290Client: HRP Associates, Inc.Project: 350-352 Liberty St. / NEW6313.RAInstrument ID: VOA No. 10Calibration: SK40026Lab File ID: V10C08617.DCalibration Date: 11/18/24 07:00Sequence: S4K2130Injection Date: 11/21/24Lab Sample ID: S4K2130-CCV1Injection Time: 08:40

COMPOUND	TYPE	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Bromoform	A	10.0	10.9	7.783878E-02	8.490729E-02	0.1	9.1	20
Bromomethane	A	10.0	7.43	0.310082	0.2222772	0.1	-25.7	20 *
Carbon disulfide	A	10.0	9.22	2.883136	2.518857	0.1	-7.8	20
Carbon tetrachloride	A	10.0	8.82	1.480943	1.305679	0.1	-11.8	20
Chlorobenzene	A	10.0	9.86	0.8346039	0.8231389	0.5	-1.4	20
Chloroethane	A	10.0	8.93	0.7798795	0.6967936	0.1	-10.7	20
Chloroform	A	10.0	9.97	2.030629	2.025159	0.2	-0.3	20
Chloromethane	A	10.0	7.12	0.6887703	0.4900913	0.1	-28.8	20 *
cis-1,2-Dichloroethylene	A	10.0	10.3	1.841386	1.900375	0.1	3.2	20
cis-1,3-Dichloropropylene	A	10.0	10.8	0.4249489	0.4595958	0.2	8.2	20
Cyclohexane	A	10.0	9.23	1.915926	1.76768	0.1	-7.7	20
Dibromochloromethane	A	10.0	10.7	0.178312	0.1900415	0.1	6.6	20
Dibromomethane	A	10.0	10.6	0.1109555	0.1179962		6.3	20
Dichlorodifluoromethane	A	10.0	5.95	0.6891304	0.4103541	0.1	-40.5	20 *
Ethyl Benzene	A	10.0	9.82	1.602408	1.574354	0.1	-1.8	20
Hexachlorobutadiene	A	10.0	9.56	0.1765213	0.1566805		-4.4	20
Isopropylbenzene	A	10.0	8.82	4.491841	3.961802	0.1	-11.8	20
Methyl acetate	A	10.0	11.2	0.3913821	0.4402103	0.1	12.5	20
Methyl tert-butyl ether (MTBE)	A	10.0	11.4	1.838819	2.088324	0.1	13.6	20
Methylcyclohexane	A	10.0	9.60	0.533834	0.5123533	0.1	-4.0	20
Methylene chloride	A	10.0	10.8	1.286373	1.385341	0.1	7.7	20
n-Butylbenzene	A	10.0	9.96	3.05428	3.041061		-0.4	20
n-Propylbenzene	A	10.0	9.22	5.271998	4.860886		-7.8	20
o-Xylene	A	10.0	10.1	1.239207	1.250952	0.3	0.9	20
p- & m- Xylenes	A	20.0	19.8	1.253723	1.244412	0.1	-0.7	20
p-Isopropyltoluene	A	10.0	9.45	3.198215	3.020815		-5.5	20
sec-Butylbenzene	A	10.0	9.16	4.01191	3.675854		-8.4	20
Styrene	A	10.0	10.4	0.8906222	0.9256255	0.3	3.9	20
tert-Butyl alcohol (TBA)	A	50.0	62.7	3.173331E-02	3.981829E-02		25.5	20 *

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8260D

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24K1290Client: HRP Associates, Inc.Project: 350-352 Liberty St. / NEW6313.RAInstrument ID: VOA No. 10Calibration: SK40026Lab File ID: V10C08617.DCalibration Date: 11/18/24 07:00Sequence: S4K2130Injection Date: 11/21/24Lab Sample ID: S4K2130-CCV1Injection Time: 08:40

COMPOUND	TYPE	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
tert-Butylbenzene	A	10.0	8.92	2.920677	2.604523		-10.8	20
Tetrachloroethylene	A	10.0	5.34	0.6252343	0.3340398	0.2	-46.6	20 *
Toluene	A	10.0	9.64	1.416145	1.364938	0.4	-3.6	20
trans-1,2-Dichloroethylene	A	10.0	9.80	1.581354	1.549707	0.1	-2.0	20
trans-1,3-Dichloropropylene	A	10.0	11.2	0.3101439	0.3463296	0.1	11.7	20
Trichloroethylene	A	10.0	8.90	0.3432923	0.3056531	0.2	-11.0	20
Trichlorofluoromethane	A	10.0	8.10	1.503877	1.218295	0.1	-19.0	20
Vinyl Chloride	A	10.0	8.05	1.100569	0.8858639	0.1	-19.5	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8260D

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24K1290Client: HRP Associates, Inc.Project: 350-352 Liberty St. / NEW6313.RAInstrument ID: VOA No. 10Calibration: SK40026Lab File ID: V10C08641.DCalibration Date: 11/18/24 07:00Sequence: S4K2207Injection Date: 11/21/24Lab Sample ID: S4K2207-CCV1Injection Time: 19:27

COMPOUND	TYPE	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1,1,2-Tetrachloroethane	A	10.0	10.4	0.2556377	0.2645278		3.5	20
1,1,1-Trichloroethane	A	10.0	9.62	1.821323	1.751745	0.1	-3.8	20
1,1,2,2-Tetrachloroethane	A	10.0	10.2	0.3542677	0.360573	0.3	1.8	20
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	10.0	9.26	0.8717245	0.8067961	0.1	-7.4	20
1,1,2-Trichloroethane	A	10.0	10.5	0.1544914	0.1626152	0.1	5.3	20
1,1-Dichloroethane	A	10.0	10.3	2.111874	2.18441	0.2	3.4	20
1,1-Dichloroethylene	A	10.0	9.70	1.498838	1.453479	0.1	-3.0	20
1,2,3-Trichlorobenzene	A	10.0	8.67	0.1128371	9.779194E-02		-13.3	20
1,2,3-Trichloropropane	A	10.0	10.3	0.1140816	0.1170712		2.6	20
1,2,4-Trichlorobenzene	A	10.0	9.47	0.2537993	0.2404673	0.2	-5.3	20
1,2,4-Trimethylbenzene	A	10.0	10.2	3.159076	3.216971		1.8	20
1,2-Dibromo-3-chloropropane	A	10.0	10.1	3.922985E-02	3.976967E-02	0.05	1.4	20
1,2-Dibromoethane	A	10.0	10.4	0.1385855	0.1436068	0.1	3.6	20
1,2-Dichlorobenzene	A	10.0	10.0	1.067984	1.071456	0.4	0.3	20
1,2-Dichloroethane	A	10.0	10.3	1.099754	1.136441	0.1	3.3	20
1,2-Dichloropropane	A	10.0	10.7	0.2936676	0.3149894	0.1	7.3	20
1,3,5-Trimethylbenzene	A	10.0	10.1	3.332836	3.375367		1.3	20
1,3-Dichlorobenzene	A	10.0	10.0	1.436827	1.441528	0.6	0.3	20
1,4-Dichlorobenzene	A	10.0	10.0	1.392986	1.393227	0.5	0.02	20
1,4-Dioxane	A	200	226	1.086713E-03	1.077722E-03		12.9	20
2-Butanone	A	10.0	10.5	5.284164E-02	5.855162E-02	0.1	5.2	20
2-Hexanone	A	10.0	11.2	6.259319E-02	6.998855E-02	0.1	11.8	20
4-Methyl-2-pentanone	A	10.0	11.0	9.156071E-02	0.1010722	0.1	10.4	20
Acetone	A	10.0	11.7	0.1789769	0.1534792	0.1	16.7	20
Acrolein	A	10.0	9.59	7.143129E-02	4.923094E-02		-4.1	20
Acrylonitrile	A	10.0	11.1	0.1208163	0.1339311		10.9	20
Benzene	A	10.0	10.3	4.788052	4.92411	0.5	2.8	20
Bromochloromethane	A	10.0	10.8	0.7270373	0.7842493		7.9	20
Bromodichloromethane	A	10.0	10.6	0.3554332	0.3749632	0.2	5.5	20

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8260D

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24K1290Client: HRP Associates, Inc.Project: 350-352 Liberty St. / NEW6313.RAInstrument ID: VOA No. 10Calibration: SK40026Lab File ID: V10C08641.DCalibration Date: 11/18/24 07:00Sequence: S4K2207Injection Date: 11/21/24Lab Sample ID: S4K2207-CCV1Injection Time: 19:27

COMPOUND	TYPE	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Bromoform	A	10.0	10.2	7.783878E-02	7.914478E-02	0.1	1.7	20
Bromomethane	A	10.0	5.96	0.310082	0.1766502	0.1	-40.4	20 *
Carbon disulfide	A	10.0	9.29	2.883136	2.535632	0.1	-7.1	20
Carbon tetrachloride	A	10.0	9.44	1.480943	1.397926	0.1	-5.6	20
Chlorobenzene	A	10.0	10.2	0.8346039	0.8546533	0.5	2.4	20
Chloroethane	A	10.0	9.19	0.7798795	0.7164951	0.1	-8.1	20
Chloroform	A	10.0	10.4	2.030629	2.102426	0.2	3.5	20
Chloromethane	A	10.0	7.64	0.6887703	0.5263151	0.1	-23.6	20 *
cis-1,2-Dichloroethylene	A	10.0	10.5	1.841386	1.925949	0.1	4.6	20
cis-1,3-Dichloropropylene	A	10.0	10.8	0.4249489	0.4593115	0.2	8.1	20
Cyclohexane	A	10.0	9.78	1.915926	1.873416	0.1	-2.2	20
Dibromochloromethane	A	10.0	10.3	0.178312	0.1844449	0.1	3.4	20
Dibromomethane	A	10.0	10.4	0.1109555	0.1156844		4.3	20
Dichlorodifluoromethane	A	10.0	5.94	0.6891304	0.4096589	0.1	-40.6	20 *
Ethyl Benzene	A	10.0	10.3	1.602408	1.65252	0.1	3.1	20
Hexachlorobutadiene	A	10.0	8.97	0.1765213	0.1470636		-10.3	20
Isopropylbenzene	A	10.0	9.94	4.491841	4.462983	0.1	-0.6	20
Methyl acetate	A	10.0	10.3	0.3913821	0.4041467	0.1	3.3	20
Methyl tert-butyl ether (MTBE)	A	10.0	10.4	1.838819	1.913486	0.1	4.1	20
Methylcyclohexane	A	10.0	9.85	0.533834	0.5259262	0.1	-1.5	20
Methylene chloride	A	10.0	11.6	1.286373	1.489754	0.1	15.8	20
n-Butylbenzene	A	10.0	10.1	3.05428	3.077755		0.8	20
n-Propylbenzene	A	10.0	10.0	5.271998	5.291902		0.4	20
o-Xylene	A	10.0	10.4	1.239207	1.289971	0.3	4.1	20
p- & m- Xylenes	A	20.0	20.7	1.253723	1.296955	0.1	3.4	20
p-Isopropyltoluene	A	10.0	9.93	3.198215	3.176107		-0.7	20
sec-Butylbenzene	A	10.0	9.83	4.01191	3.942211		-1.7	20
Styrene	A	10.0	10.5	0.8906222	0.9376246	0.3	5.3	20
tert-Butyl alcohol (TBA)	A	50.0	54.1	3.173331E-02	3.434821E-02		8.2	20

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8260D

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24K1290Client: HRP Associates, Inc.Project: 350-352 Liberty St. / NEW6313.RAInstrument ID: VOA No. 10Calibration: SK40026Lab File ID: V10C08641.DCalibration Date: 11/18/24 07:00Sequence: S4K2207Injection Date: 11/21/24Lab Sample ID: S4K2207-CCV1Injection Time: 19:27

COMPOUND	TYPE	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
tert-Butylbenzene	A	10.0	9.78	2.920677	2.857302		-2.2	20
Tetrachloroethylene	A	10.0	9.91	0.6252343	0.6197821	0.2	-0.9	20
Toluene	A	10.0	10.2	1.416145	1.450318	0.4	2.4	20
trans-1,2-Dichloroethylene	A	10.0	10.2	1.581354	1.611471	0.1	1.9	20
trans-1,3-Dichloropropylene	A	10.0	10.7	0.3101439	0.3323171	0.1	7.1	20
Trichloroethylene	A	10.0	10.5	0.3432923	0.3592889	0.2	4.7	20
Trichlorofluoromethane	A	10.0	8.62	1.503877	1.296065	0.1	-13.8	20
Vinyl Chloride	A	10.0	8.04	1.100569	0.8847482	0.1	-19.6	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

SVOC Data Section



**QA/QC Review of Method 8270D Semi-Volatiles Data
for York Analytical Laboratories, Inc., SDG: 24K1290**

**4 Ground Water Samples and 1 Field Duplicate
Collected November 15, 2024**

Geology

Hydrology

Remediation

Water Supply

Prepared by: Donald Anné
January 7, 2025

Holding Times: Samples were extracted and analyzed within USEPA SW-846 holding times.

GC/MS Tuning and Mass Calibration: The DFTPP tuning criteria were within control limits.

Initial Calibration: The average RRFs for applicable compounds were above the method minimums, as required.

The average RRFs for target compounds were above the allowable minimum (0.010), as required.

The %RSD for 2,4-dinitrophenol was above the allowable maximum (30%) for MSBNA9 on 11-01-24. Positive results for 2,4-dinitrophenol should be considered estimated (J) in associated samples.

Continuing Calibration: The RRFs for applicable compounds were above the method minimums, as required. The %Ds for 2,4-dinitrophenol and 4,6-dinitro-2-methylphenol were above the method maximum on 11-22-24 (E900324033.D). The %Ds for 2,4-dinitrophenol and hexachlorocyclopentadiene were above the method maximum on 11-25-24 (E900324100.D). No action is taken when fewer than 20% of the compounds per calibration do not meet either method %D or RRF criteria, provided no RRF is less than 0.010.

The RRFs for target compounds were above the allowable minimum (0.010), as required.

The %Ds for 2,4-dinitrophenol, 4,6-dinitro-2-methylphenol, benzidine, and pyridine were above the allowable maximum (20%) on 11-22-24 (E900324033.D). The %Ds for 2,4-dinitrophenol, hexachlorocyclopentadiene, benzidine, and pyridine were above the allowable maximum (20%) on 11-25-24 (E900324100.D). Positive results for these compounds should be considered estimated (J) in associated samples.

Blanks: The analyses of the method blanks reported target compounds as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: Two of three base/neutral surrogate recoveries for MW-105 were below control limits, but not below 10%. Positive results for base/neutral compounds should be considered estimated, biased low (J-) and “not detected” results estimated (UJ) in sample MW-105.

Two of three acid extractable surrogate recoveries for MW-105 were below control limits and one below 10%. Positive results for acid extractable compounds should be considered estimated, biased low (J-) and “not detected” results estimated (UJ) in sample MW-105.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences for target compounds were below the allowable maximum; 1 of 2 percent recoveries (%Rs) for aniline was below QC limits, but not below 10%; and 2 of 2 %Rs for pyridine and 1 of 2 %Rs for 3,3-dichlorobenzidine were below QC limits and below 10% for aqueous MS/MSD sample MW-105. The “not detected” result for aniline should be considered estimated (UJ) and the “not detected” results for pyridine and 3,3-dichlorobenzidine rejected, unusable (R) in sample MW-105.

Laboratory Control Sample: The relative percent differences (RPDs) for 46 compounds (highlighted yellow on attached FORM III) were above the allowable maximum for aqueous samples BK41436-BS1. The positive results for these compounds should be considered estimated (J) in associated aqueous samples.

One of two percent recoveries (%Rs) for aniline was below QC limits, but not below 30% for aqueous samples BK41436-BS1. The positive results for aniline should be considered estimated, biased low (J-) and “not detected” results estimated (UJ) in associated aqueous samples.

Two of two %Rs for benzoic acid and pyridine and 1 of 2 %Rs for 4-nitrophenol and caprolactam were below QC limits and below 30% for aqueous samples BK41436-BS1. The RPDs for target compounds were below the allowable maximum, but 2 of 2 %Rs for benzoic acid and hexachlorocyclopentadiene and 1 of 2 %Rs for pyridine were below QC limits and below 30% for aqueous samples BK41529-BS1. The positive results for these compounds should be considered estimated, biased low (J-) and “not detected” results rejected, unusable (R) in associated aqueous samples.

Field Duplicates: The analyses of aqueous field duplicate pair MW-105/Dup reported target compounds as not detected or below the lowest standard in one or both samples; therefore, valid relative percent differences could not be calculated. The analyses for the field duplicate pair were acceptable.

Compound ID: Checked compound and surrogate results were within quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.

FORM II

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8270D

Laboratory: York Analytical Laboratories, Inc. - Stratford
 Client: HRP Associates, Inc.
 Sequence: S4K2548

SDG: 24K1290
 Project: 350-352 Liberty St. / NEW6313.RA
 Instrument: MSBNA9
 Calibration: SK40007

Surrogate Compound	Spike Level ug/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (S4K2548-CCV1)		Lab File ID: E900324100.D			Analyzed: 11/25/24 09:06			
SURR: 2-Fluorophenol	30.0	85.2	0 - 200	4.366	4.3425	0.0235	+/-1.00	
SURR: Phenol-d6	30.0	88.2	0 - 200	5.144	5.114	0.0300	+/-1.00	
SURR: Nitrobenzene-d5	30.0	91.6	0 - 200	5.883	5.888	-0.0050	+/-1.00	
SURR: 2-Fluorobiphenyl	30.0	86.6	0 - 200	7.516	7.520375	-0.0044	+/-1.00	
SURR: 2,4,6-Tribromophenol	30.0	93.7	0 - 200	9.451	9.445	0.0060	+/-1.00	
SURR: Terphenyl-d14	30.0	90.6	0 - 200	12.851	12.8525	-0.0015	+/-1.00	
MW-104 (24K1290-01)		Lab File ID: E900324102.D			Analyzed: 11/25/24 10:23			
SURR: 2-Fluorophenol	50.0	23.4	19.7 - 63.1	4.366	4.3425	0.0235	+/-1.00	
SURR: Phenol-d6	50.0	12.9	10.1 - 41.7	5.145	5.114	0.0310	+/-1.00	
SURR: Nitrobenzene-d5	25.0	55.6	50.2 - 113	5.888	5.888	0.0000	+/-1.00	
SURR: 2-Fluorobiphenyl	25.0	46.9	39.9 - 105	7.516	7.520375	-0.0044	+/-1.00	
SURR: 2,4,6-Tribromophenol	50.0	56.4	39.3 - 151	9.451	9.445	0.0060	+/-1.00	
SURR: Terphenyl-d14	25.0	53.8	30.7 - 106	12.851	12.8525	-0.0015	+/-1.00	
MW-105 (24K1290-02)		Lab File ID: E900324103.D			Analyzed: 11/25/24 10:53			
SURR: 2-Fluorophenol	50.0	16.3	19.7 - 63.1	4.366	4.3425	0.0235	+/-1.00	*
SURR: Phenol-d6	50.0	9.22	10.1 - 41.7	5.145	5.114	0.0310	+/-1.00	*
SURR: Nitrobenzene-d5	25.0	41.4	50.2 - 113	5.888	5.888	0.0000	+/-1.00	*
SURR: 2-Fluorobiphenyl	25.0	35.2	39.9 - 105	7.516	7.520375	-0.0044	+/-1.00	*
SURR: 2,4,6-Tribromophenol	50.0	42.2	39.3 - 151	9.451	9.445	0.0060	+/-1.00	
SURR: Terphenyl-d14	25.0	40.4	30.7 - 106	12.851	12.8525	-0.0015	+/-1.00	
Blank (BK41529-BLK1)		Lab File ID: E900324104.D			Analyzed: 11/25/24 11:22			
SURR: 2-Fluorophenol	50.0	25.3	19.7 - 63.1	4.366	4.3425	0.0235	+/-1.00	
SURR: Phenol-d6	50.0	15.6	10.1 - 41.7	5.145	5.114	0.0310	+/-1.00	
SURR: Nitrobenzene-d5	25.0	51.5	50.2 - 113	5.888	5.888	0.0000	+/-1.00	
SURR: 2-Fluorobiphenyl	25.0	21.8	39.9 - 105	7.516	7.520375	-0.0044	+/-1.00	*
SURR: 2,4,6-Tribromophenol	50.0	65.3	39.3 - 151	9.451	9.445	0.0060	+/-1.00	
SURR: Terphenyl-d14	25.0	69.8	30.7 - 106	12.851	12.8525	-0.0015	+/-1.00	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8270D

MW-105

Laboratory: York Analytical Laboratories, Inc. - Stratford

SDG: 24K1290

Client: HRP Associates, Inc.

Project: 350-352 Liberty St. / NEW6313.RA

Matrix: Water

Batch: BK41436

Laboratory ID: BK41436-MS1

Preparation: EPA 3510C

Initial/Final: 1000 mL / 1 mL

Source Sample Name: MW-105

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC. #	QC LIMITS REC.
1,1-Biphenyl	25.0	ND	14.5	58.1	26 - 79
1,2,4,5-Tetrachlorobenzene	25.0	ND	15.1	60.2	33 - 90
1,2-Diphenylhydrazine (as Azobenzene)	25.0	ND	16.2	64.8	21 - 107
2,3,4,6-Tetrachlorophenol	25.0	ND	20.5	81.8	30 - 130
2,4,5-Trichlorophenol	25.0	ND	15.6	62.2	43 - 96
2,4,6-Trichlorophenol	25.0	ND	14.6	58.3	46 - 94
2,4-Dichlorophenol	25.0	ND	14.2	56.6	26 - 101
2,4-Dimethylphenol	25.0	ND	12.3	49.2	10 - 104
2,4-Dinitrophenol	25.0	ND	22.2	88.9	10 - 146
2,4-Dinitrotoluene	25.0	ND	18.0	71.9	30 - 108
2,6-Dinitrotoluene	25.0	ND	17.8	71.3	38 - 98
2-Chloronaphthalene	25.0	ND	13.6	54.3	30 - 89
2-Chlorophenol	25.0	ND	11.3	45.3	24 - 98
2-Methylnaphthalene	25.0	ND	13.0	52.0	10 - 112
2-Methylphenol	25.0	ND	10.0	40.0	10 - 134
2-Nitroaniline	25.0	ND	15.8	63.0	25 - 110
2-Nitrophenol	25.0	ND	15.7	62.8	10 - 139
3- & 4-Methylphenols	25.0	ND	8.13	32.5	10 - 91
3,3-Dichlorobenzidine	25.0	ND	7.79	31.2	10 - 140
3-Nitroaniline	25.0	ND	13.6	54.6	22 - 111
4,6-Dinitro-2-methylphenol	25.0	ND	20.0	80.2	10 - 140
4-Bromophenyl phenyl ether	25.0	ND	16.5	66.2	30 - 108
4-Chloro-3-methylphenol	25.0	ND	14.6	58.6	11 - 109
4-Chloroaniline	25.0	ND	10.7	42.7	10 - 116
4-Chlorophenyl phenyl ether	25.0	ND	15.3	61.1	39 - 85
4-Nitroaniline	25.0	ND	14.9	59.7	11 - 132
4-Nitrophenol	25.0	ND	6.17	24.7	10 - 82
Acetophenone	25.0	ND	14.6	58.2	14 - 102
Aniline	25.0	ND	4.98	19.9	10 - 80
Benzaldehyde	25.0	ND	14.6	58.6	13 - 87
Benzoic acid	25.0	ND	7.64	30.6	10 - 162

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8270D

MW-105

Laboratory: York Analytical Laboratories, Inc. - Stratford

SDG: 24K1290

Client: HRP Associates, Inc.

Project: 350-352 Liberty St. / NEW6313.RA

Matrix: Water

Batch: BK41436

Laboratory ID: BK41436-MS1

Preparation: EPA 3510C

Initial/Final: 1000 mL / 1 mL

Source Sample Name: MW-105

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC. #	QC LIMITS REC.
Benzyl alcohol	25.0	ND	9.53	38.1	10 - 102
Benzyl butyl phthalate	25.0	ND	17.6	70.4	10 - 133
Bis(2-chloroethoxy)methane	25.0	ND	15.4	61.5	18 - 105
Bis(2-chloroethyl)ether	25.0	ND	12.2	48.6	10 - 108
Bis(2-chloroisopropyl)ether	25.0	ND	14.2	56.8	13 - 116
Caprolactam	25.0	ND	2.78	11.1	10 - 75
Carbazole	25.0	ND	15.0	59.9	36 - 108
Dibenzofuran	25.0	ND	15.2	60.7	34 - 92
Diethyl phthalate	25.0	ND	16.4	65.4	33 - 98
Dimethyl phthalate	25.0	ND	15.9	63.6	18 - 116
Di-n-butyl phthalate	25.0	ND	16.8	67.4	25 - 97
Di-n-octyl phthalate	25.0	ND	16.7	66.9	10 - 137
Diphenylamine	25.0	ND	16.5	66.2	40 - 140
Hexachlorocyclopentadiene	25.0	ND	8.95	35.8	10 - 79
Isophorone	25.0	ND	15.4	61.6	25 - 103
N-nitroso-di-n-propylamine	25.0	ND	14.2	56.7	19 - 115
N-Nitrosodiphenylamine	25.0	ND	17.1	68.5	31 - 112
Phenol	25.0	ND	4.75	19.0	10 - 61
Pyridine	35.0	ND	ND	0 *	10 - 78

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8270D

MW-105

Laboratory: York Analytical Laboratories, Inc. - Stratford

SDG: 24K1290

Client: HRP Associates, Inc.

Project: 350-352 Liberty St. / NEW6313.RA

Matrix: Water

Batch: BK41436

Laboratory ID: BK41436-MSD1

Preparation: EPA 3510C

Initial/Final: 1000 mL / 1 mL

Source Sample Name: MW-105

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
1,1-Biphenyl	25.0	13.2	52.6	9.97	25	26 - 79
1,2,4,5-Tetrachlorobenzene	25.0	13.3	53.3	12.2	25	33 - 90
1,2-Diphenylhydrazine (as Azobenzene)	25.0	15.1	60.4	6.97	25	21 - 107
2,3,4,6-Tetrachlorophenol	25.0	17.8	71.4	13.6	25	30 - 130
2,4,5-Trichlorophenol	25.0	14.8	59.0	5.28	25	43 - 96
2,4,6-Trichlorophenol	25.0	13.8	55.3	5.35	25	46 - 94
2,4-Dichlorophenol	25.0	12.9	51.5	9.47	25	26 - 101
2,4-Dimethylphenol	25.0	10.2	40.9	18.4	25	10 - 104
2,4-Dinitrophenol	25.0	21.3	85.1	4.37	25	10 - 146
2,4-Dinitrotoluene	25.0	17.2	68.8	4.49	25	30 - 108
2,6-Dinitrotoluene	25.0	16.6	66.5	7.02	25	38 - 98
2-Chloronaphthalene	25.0	12.5	49.9	8.44	25	30 - 89
2-Chlorophenol	25.0	11.0	44.0	2.78	25	24 - 98
2-Methylnaphthalene	25.0	11.4	45.4	13.6	25	10 - 112
2-Methylphenol	25.0	9.22	36.9	8.22	25	10 - 134
2-Nitroaniline	25.0	14.8	59.4	5.88	25	25 - 110
2-Nitrophenol	25.0	14.0	56.0	11.4	25	10 - 139
3- & 4-Methylphenols	25.0	7.44	29.8	8.86	25	10 - 91
3,3-Dichlorobenzidine	25.0	5.94	23.8	26.9 *	25	10 - 140
3-Nitroaniline	25.0	13.4	53.7	1.62	25	22 - 111
4,6-Dinitro-2-methylphenol	25.0	19.9	79.4	0.952	25	10 - 140
4-Bromophenyl phenyl ether	25.0	15.5	61.8	6.75	25	30 - 108
4-Chloro-3-methylphenol	25.0	13.6	54.3	7.65	25	11 - 109
4-Chloroaniline	25.0	9.97	39.9	6.78	25	10 - 116
4-Chlorophenyl phenyl ether	25.0	14.7	58.9	3.73	25	39 - 85
4-Nitroaniline	25.0	14.0	56.2	6.07	25	11 - 132
4-Nitrophenol	25.0	6.48	25.9	4.90	25	10 - 82
Acetophenone	25.0	14.2	56.7	2.65	25	14 - 102
Aniline	25.0	3.10	12.4	46.5 *	25	10 - 80
Benzaldehyde	25.0	14.4	57.4	2.00	25	13 - 87
Benzoic acid	25.0	6.55	26.2	15.4	25	10 - 162
Benzyl alcohol	25.0	9.08	36.3	4.84	25	10 - 102

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8270D

MW-105

Laboratory: York Analytical Laboratories, Inc. - Stratford

SDG: 24K1290

Client: HRP Associates, Inc.

Project: 350-352 Liberty St. / NEW6313.RA

Matrix: Water

Batch: BK41436

Laboratory ID: BK41436-MSD1

Preparation: EPA 3510C

Initial/Final: 1000 mL / 1 mL

Source Sample Name: MW-105

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Benzyl butyl phthalate	25.0	16.4	65.4	7.31	25	10 - 133
Bis(2-chloroethoxy)methane	25.0	13.9	55.7	9.83	25	18 - 105
Bis(2-chloroethyl)ether	25.0	12.5	50.0	2.92	25	10 - 108
Bis(2-chloroisopropyl)ether	25.0	13.6	54.2	4.61	25	13 - 116
Caprolactam	25.0	2.79	11.2	0.359	25	10 - 75
Carbazole	25.0	13.8	55.2	8.27	25	36 - 108
Dibenzofuran	25.0	14.5	57.8	4.86	25	34 - 92
Diethyl phthalate	25.0	15.4	61.7	5.85	25	33 - 98
Dimethyl phthalate	25.0	15.1	60.2	5.49	25	18 - 116
Di-n-butyl phthalate	25.0	15.5	62.0	8.22	25	25 - 97
Di-n-octyl phthalate	25.0	15.5	61.9	7.77	25	10 - 137
Diphenylamine	25.0	14.1	56.3	16.1	25	40 - 140
Hexachlorocyclopentadiene	25.0	7.87	31.5	12.8	25	10 - 79
Isophorone	25.0	14.5	58.0	6.09	25	25 - 103
N-nitroso-di-n-propylamine	25.0	13.5	54.1	4.69	25	19 - 115
N-Nitrosodiphenylamine	25.0	14.2	56.9	18.6	25	31 - 112
Phenol	25.0	4.49	18.0	5.63	25	10 - 61
Pyridine	35.0	ND	0	*	25	10 - 78

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8270D

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24K1290Client: HRP Associates, Inc.Project: 350-352 Liberty St. / NEW6313.RAMatrix: WaterBatch: BK41436Laboratory ID: BK41436-BS1Preparation: EPA 3510CInitial/Final: 1000 mL / 1 mL

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. #	QC LIMITS REC.
1,1-Biphenyl	25.0	13.7	54.9	33 - 95
1,2,4,5-Tetrachlorobenzene	25.0	14.6	58.3	26 - 120
1,2-Diphenylhydrazine (as Azobenzene)	25.0	15.2	61.0	16 - 141
2,3,4,6-Tetrachlorophenol	25.0	18.9	75.7	30 - 130
2,4,5-Trichlorophenol	25.0	15.2	60.7	32 - 114
2,4,6-Trichlorophenol	25.0	15.3	61.0	35 - 118
2,4-Dichlorophenol	25.0	13.9	55.6	25 - 116
2,4-Dimethylphenol	25.0	12.5	49.8	15 - 116
2,4-Dinitrophenol	25.0	18.1	72.2	10 - 170
2,4-Dinitrotoluene	25.0	17.2	69.0	41 - 128
2,6-Dinitrotoluene	25.0	16.8	67.3	45 - 116
2-Chloronaphthalene	25.0	13.1	52.3	33 - 112
2-Chlorophenol	25.0	11.7	46.6	15 - 120
2-Methylnaphthalene	25.0	12.0	47.9	24 - 118
2-Methylphenol	25.0	11.1	44.5	10 - 110
2-Nitroaniline	25.0	15.6	62.4	34 - 129
2-Nitrophenol	25.0	14.3	57.2	28 - 118
3- & 4-Methylphenols	25.0	8.71	34.8	10 - 107
3,3-Dichlorobenzidine	25.0	11.2	44.8	15 - 187
3-Nitroaniline	25.0	14.4	57.6	24 - 134
4,6-Dinitro-2-methylphenol	25.0	19.1	76.5	10 - 153
4-Bromophenyl phenyl ether	25.0	15.4	61.7	34 - 120
4-Chloro-3-methylphenol	25.0	14.6	58.3	20 - 120
4-Chloroaniline	25.0	11.9	47.6	10 - 147
4-Chlorophenyl phenyl ether	25.0	14.6	58.4	27 - 121
4-Nitroaniline	25.0	15.5	62.0	13 - 134
4-Nitrophenol	25.0	6.35	25.4	10 - 131
Acetophenone	25.0	15.0	59.9	25 - 110
Aniline	25.0	5.46	21.8	10 - 117
Benzaldehyde	25.0	14.8	59.4	29 - 117

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8270D

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24K1290Client: HRP Associates, Inc.Project: 350-352 Liberty St. / NEW6313.RAMatrix: WaterBatch: BK41436Laboratory ID: BK41436-BS1Preparation: EPA 3510CInitial/Final: 1000 mL / 1 mL

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. #	QC LIMITS REC.
Benzoic acid	25.0	3.79	15.2 *	30 - 130
Benzyl alcohol	25.0	9.92	39.7	10 - 117
Benzyl butyl phthalate	25.0	16.0	64.2	29 - 133
Bis(2-chloroethoxy)methane	25.0	14.0	56.2	10 - 154
Bis(2-chloroethyl)ether	25.0	12.2	49.0	17 - 125
Bis(2-chloroisopropyl)ether	25.0	14.1	56.6	10 - 139
Caprolactam	25.0	2.79	11.2	10 - 137
Carbazole	25.0	14.4	57.4	42 - 126
Dibenzofuran	25.0	14.3	57.3	36 - 113
Diethyl phthalate	25.0	15.4	61.8	38 - 115
Dimethyl phthalate	25.0	15.2	60.6	38 - 129
Di-n-butyl phthalate	25.0	15.3	61.2	31 - 120
Di-n-octyl phthalate	25.0	15.9	63.5	21 - 149
Diphenylamine	25.0	18.1	72.5	40 - 140
Hexachlorocyclopentadiene	25.0	8.99	36.0	10 - 130
Isophorone	25.0	14.6	58.4	25 - 127
N-nitroso-di-n-propylamine	25.0	14.3	57.1	26 - 122
N-Nitrosodiphenylamine	25.0	18.0	72.2	23 - 149
Phenol	25.0	5.26	21.0	10 - 110
Pyridine	35.0	ND	0 *	10 - 90

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8270D

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24K1290Client: HRP Associates, Inc.Project: 350-352 Liberty St. / NEW6313.RAMatrix: WaterBatch: BK41436Laboratory ID: BK41436-BSD1Preparation: EPA 3510CInitial/Final: 1000 mL / 1 mL

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
1,1-Biphenyl	25.0	9.65	38.6	34.9 *	20	33 - 95
1,2,4,5-Tetrachlorobenzene	25.0	10.0	40.2	36.7 *	20	26 - 120
1,2-Diphenylhydrazine (as Azobenzene)	25.0	11.0	44.1	32.1 *	20	16 - 141
2,3,4,6-Tetrachlorophenol	25.0	14.0	55.9	30.1 *	20	30 - 130
2,4,5-Trichlorophenol	25.0	11.0	44.2	31.5 *	20	32 - 114
2,4,6-Trichlorophenol	25.0	10.5	42.1	36.8 *	20	35 - 118
2,4-Dichlorophenol	25.0	10.1	40.3	31.8 *	20	25 - 116
2,4-Dimethylphenol	25.0	9.45	37.8	27.5 *	20	15 - 116
2,4-Dinitrophenol	25.0	13.9	55.6	26.0 *	20	10 - 170
2,4-Dinitrotoluene	25.0	12.3	49.4	33.1 *	20	41 - 128
2,6-Dinitrotoluene	25.0	12.1	48.3	32.9 *	20	45 - 116
2-Chloronaphthalene	25.0	9.16	36.6	35.3 *	20	33 - 112
2-Chlorophenol	25.0	8.90	35.6	26.8 *	20	15 - 120
2-Methylnaphthalene	25.0	8.71	34.8	31.6 *	20	24 - 118
2-Methylphenol	25.0	7.99	32.0	32.8 *	20	10 - 110
2-Nitroaniline	25.0	11.5	45.9	30.5 *	20	34 - 129
2-Nitrophenol	25.0	10.5	41.9	30.8 *	20	28 - 118
3- & 4-Methylphenols	25.0	6.60	26.4	27.6 *	20	10 - 107
3,3-Dichlorobenzidine	25.0	8.23	32.9	30.7 *	20	15 - 187
3-Nitroaniline	25.0	11.0	44.0	26.7 *	20	24 - 134
4,6-Dinitro-2-methylphenol	25.0	14.7	58.8	26.3 *	20	10 - 153
4-Bromophenyl phenyl ether	25.0	10.7	42.7	36.4 *	20	34 - 120
4-Chloro-3-methylphenol	25.0	10.9	43.7	28.7 *	20	20 - 120
4-Chloroaniline	25.0	9.35	37.4	23.9 *	20	10 - 147
4-Chlorophenyl phenyl ether	25.0	10.2	40.9	35.2 *	20	27 - 121
4-Nitroaniline	25.0	11.7	46.7	28.2 *	20	13 - 134
4-Nitrophenol	25.0	ND	0 *		20	10 - 131
Acetophenone	25.0	10.9	43.5	31.8 *	20	25 - 110
Aniline	25.0	5.07	20.3	7.41	20	10 - 117
Benzaldehyde	25.0	11.0	44.0	29.6 *	20	29 - 117

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8270D

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24K1290Client: HRP Associates, Inc.Project: 350-352 Liberty St. / NEW6313.RAMatrix: WaterBatch: BK41436Laboratory ID: BK41436-BSD1Preparation: EPA 3510CInitial/Final: 1000 mL / 1 mL

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	%	QC LIMITS	
					RPD	REC.
Benzoic acid	25.0	2.83	11.3 *	29.0 *	20	30 - 130
Benzyl alcohol	25.0	7.54	30.2	27.3 *	20	10 - 117
Benzyl butyl phthalate	25.0	11.5	46.0	33.0 *	20	29 - 133
Bis(2-chloroethoxy)methane	25.0	10.3	41.3	30.6 *	20	10 - 154
Bis(2-chloroethyl)ether	25.0	9.04	36.2	30.2 *	20	17 - 125
Bis(2-chloroisopropyl)ether	25.0	10.2	41.0	32.0 *	20	10 - 139
Caprolactam	25.0	ND	0 *		20	10 - 137
Carbazole	25.0	10.6	42.5	29.9 *	20	42 - 126
Dibenzofuran	25.0	10.4	41.5	32.0 *	20	36 - 113
Diethyl phthalate	25.0	11.4	45.7	29.8 *	20	38 - 115
Dimethyl phthalate	25.0	10.9	43.6	32.5 *	20	38 - 129
Di-n-butyl phthalate	25.0	11.2	45.0	30.6 *	20	31 - 120
Di-n-octyl phthalate	25.0	11.2	44.9	34.3 *	20	21 - 149
Diphenylamine	25.0	12.8	51.4	34.0 *	20	40 - 140
Hexachlorocyclopentadiene	25.0	6.00	24.0	39.9 *	20	10 - 130
Isophorone	25.0	10.6	42.2	32.1 *	20	25 - 127
N-nitroso-di-n-propylamine	25.0	10.3	41.4	31.9 *	20	26 - 122
N-Nitrosodiphenylamine	25.0	13.3	53.0	30.6 *	20	23 - 149
Phenol	25.0	4.10	16.4	24.8 *	20	10 - 110
Pyridine	35.0	ND	0 *		20	10 - 90

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8270D

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24K1290Client: HRP Associates, Inc.Project: 350-352 Liberty St. / NEW6313.RAMatrix: WaterBatch: BK41529Laboratory ID: BK41529-BS1Preparation: EPA 3510CInitial/Final: 1000 mL / 1 mL

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. #	QC LIMITS REC.
1,1-Biphenyl	25.0	11.3	45.4	33 - 95
1,2,4,5-Tetrachlorobenzene	25.0	11.7	46.7	26 - 120
1,2-Diphenylhydrazine (as Azobenzene)	25.0	13.8	55.4	16 - 141
2,3,4,6-Tetrachlorophenol	25.0	17.7	71.0	30 - 130
2,4,5-Trichlorophenol	25.0	14.2	56.8	32 - 114
2,4,6-Trichlorophenol	25.0	13.4	53.4	35 - 118
2,4-Dichlorophenol	25.0	12.8	51.3	25 - 116
2,4-Dimethylphenol	25.0	12.2	48.8	15 - 116
2,4-Dinitrophenol	25.0	20.5	81.9	10 - 170
2,4-Dinitrotoluene	25.0	15.7	62.6	41 - 128
2,6-Dinitrotoluene	25.0	15.6	62.2	45 - 116
2-Chloronaphthalene	25.0	10.6	42.5	33 - 112
2-Chlorophenol	25.0	10.0	40.1	15 - 120
2-Methylnaphthalene	25.0	10.2	40.6	24 - 118
2-Methylphenol	25.0	9.83	39.3	10 - 110
2-Nitroaniline	25.0	14.7	59.0	34 - 129
2-Nitrophenol	25.0	13.3	53.2	28 - 118
3- & 4-Methylphenols	25.0	8.28	33.1	10 - 107
3,3-Dichlorobenzidine	25.0	10.3	41.1	15 - 187
3-Nitroaniline	25.0	12.0	48.0	24 - 134
4,6-Dinitro-2-methylphenol	25.0	18.5	73.9	10 - 153
4-Bromophenyl phenyl ether	25.0	13.3	53.3	34 - 120
4-Chloro-3-methylphenol	25.0	14.7	58.7	20 - 120
4-Chloroaniline	25.0	7.62	30.5	10 - 147
4-Chlorophenyl phenyl ether	25.0	12.2	48.8	27 - 121
4-Nitroaniline	25.0	14.3	57.1	13 - 134
4-Nitrophenol	25.0	6.28	25.1	10 - 131
Acetophenone	25.0	13.0	52.0	25 - 110
Aniline	25.0	3.69	14.8	10 - 117
Benzaldehyde	25.0	12.1	48.2	29 - 117

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8270D

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24K1290Client: HRP Associates, Inc.Project: 350-352 Liberty St. / NEW6313.RAMatrix: WaterBatch: BK41529Laboratory ID: BK41529-BS1Preparation: EPA 3510CInitial/Final: 1000 mL / 1 mL

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. #	QC LIMITS REC.
Benzoic acid	25.0	2.75	11.0 *	30 - 130
Benzyl alcohol	25.0	8.44	33.8	10 - 117
Benzyl butyl phthalate	25.0	14.6	58.4	29 - 133
Bis(2-chloroethoxy)methane	25.0	13.6	54.2	10 - 154
Bis(2-chloroethyl)ether	25.0	10.9	43.6	17 - 125
Bis(2-chloroisopropyl)ether	25.0	12.0	48.2	10 - 139
Caprolactam	25.0	2.87	11.5	10 - 137
Carbazole	25.0	14.4	57.4	42 - 126
Dibenzofuran	25.0	11.8	47.1	36 - 113
Diethyl phthalate	25.0	14.8	59.1	38 - 115
Dimethyl phthalate	25.0	14.8	59.3	38 - 129
Di-n-butyl phthalate	25.0	15.2	60.8	31 - 120
Di-n-octyl phthalate	25.0	14.5	57.9	21 - 149
Diphenylamine	25.0	15.7	63.0	40 - 140
Hexachlorocyclopentadiene	25.0	ND	0 *	10 - 130
Isophorone	25.0	14.4	57.4	25 - 127
N-nitroso-di-n-propylamine	25.0	13.1	52.6	26 - 122
N-Nitrosodiphenylamine	25.0	16.2	64.7	23 - 149
Phenol	25.0	4.27	17.1	10 - 110
Pyridine	35.0	3.77	10.8	10 - 90

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8270D

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24K1290Client: HRP Associates, Inc.Project: 350-352 Liberty St. / NEW6313.RAMatrix: WaterBatch: BK41529Laboratory ID: BK41529-BS1Preparation: EPA 3510CInitial/Final: 1000 mL / 1 mL

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
1,1-Biphenyl	25.0	11.4	45.6	0.440	20	33 - 95
1,2,4,5-Tetrachlorobenzene	25.0	11.7	46.7	0.0857	20	26 - 120
1,2-Diphenylhydrazine (as Azobenzene)	25.0	14.0	56.2	1.36	20	16 - 141
2,3,4,6-Tetrachlorophenol	25.0	18.1	72.3	1.90	20	30 - 130
2,4,5-Trichlorophenol	25.0	14.6	58.4	2.85	20	32 - 114
2,4,6-Trichlorophenol	25.0	13.7	54.8	2.66	20	35 - 118
2,4-Dichlorophenol	25.0	13.3	53.2	3.60	20	25 - 116
2,4-Dimethylphenol	25.0	12.4	49.6	1.55	20	15 - 116
2,4-Dinitrophenol	25.0	23.3	93.0	12.8	20	10 - 170
2,4-Dinitrotoluene	25.0	17.3	69.0	9.72	20	41 - 128
2,6-Dinitrotoluene	25.0	17.0	68.1	9.03	20	45 - 116
2-Chloronaphthalene	25.0	10.7	42.9	0.937	20	33 - 112
2-Chlorophenol	25.0	10.2	40.8	1.68	20	15 - 120
2-Methylnaphthalene	25.0	10.4	41.5	2.24	20	24 - 118
2-Methylphenol	25.0	9.87	39.5	0.406	20	10 - 110
2-Nitroaniline	25.0	16.0	64.1	8.32	20	34 - 129
2-Nitrophenol	25.0	13.7	54.7	2.82	20	28 - 118
3- & 4-Methylphenols	25.0	8.21	32.8	0.849	20	10 - 107
3,3-Dichlorobenzidine	25.0	10.2	40.8	0.781	20	15 - 187
3-Nitroaniline	25.0	12.7	50.6	5.27	20	24 - 134
4,6-Dinitro-2-methylphenol	25.0	21.0	83.8	12.5	20	10 - 153
4-Bromophenyl phenyl ether	25.0	12.9	51.4	3.51	20	34 - 120
4-Chloro-3-methylphenol	25.0	14.9	59.6	1.42	20	20 - 120
4-Chloroaniline	25.0	8.12	32.5	6.35	20	10 - 147
4-Chlorophenyl phenyl ether	25.0	12.1	48.2	1.15	20	27 - 121
4-Nitroaniline	25.0	14.9	59.5	4.12	20	13 - 134
4-Nitrophenol	25.0	5.79	23.2	8.12	20	10 - 131
Acetophenone	25.0	13.6	54.3	4.44	20	25 - 110
Aniline	25.0	5.38	21.5	37.3 *	20	10 - 117
Benzaldehyde	25.0	12.6	50.3	4.22	20	29 - 117

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8270D

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24K1290Client: HRP Associates, Inc.Project: 350-352 Liberty St. / NEW6313.RAMatrix: WaterBatch: BK41529Laboratory ID: BK41529-BSD1Preparation: EPA 3510CInitial/Final: 1000 mL / 1 mL

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Benzoic acid	25.0	ND	0 *		20	30 - 130
Benzyl alcohol	25.0	8.30	33.2	1.67	20	10 - 117
Benzyl butyl phthalate	25.0	15.2	61.0	4.22	20	29 - 133
Bis(2-chloroethoxy)methane	25.0	14.7	58.6	7.80	20	10 - 154
Bis(2-chloroethyl)ether	25.0	10.7	42.8	1.85	20	17 - 125
Bis(2-chloroisopropyl)ether	25.0	12.2	48.8	1.32	20	10 - 139
Caprolactam	25.0	2.66	10.6	7.59	20	10 - 137
Carbazole	25.0	15.1	60.3	4.96	20	42 - 126
Dibenzofuran	25.0	12.1	48.6	3.09	20	36 - 113
Diethyl phthalate	25.0	15.9	63.5	7.18	20	38 - 115
Dimethyl phthalate	25.0	15.6	62.6	5.45	20	38 - 129
Di-n-butyl phthalate	25.0	16.1	64.5	5.87	20	31 - 120
Di-n-octyl phthalate	25.0	14.6	58.4	0.757	20	21 - 149
Diphenylamine	25.0	16.6	66.5	5.44	20	40 - 140
Hexachlorocyclopentadiene	25.0	ND	0 *		20	10 - 130
Isophorone	25.0	15.1	60.4	5.09	20	25 - 127
N-nitroso-di-n-propylamine	25.0	13.7	54.7	3.95	20	26 - 122
N-Nitrosodiphenylamine	25.0	16.8	67.3	3.94	20	23 - 149
Phenol	25.0	4.40	17.6	3.00	20	10 - 110
Pyridine	35.0	ND	0 *		20	10 - 90

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA 8270D

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24K1290Client: HRP Associates, Inc.Project: 350-352 Liberty St. / NEW6313.RACalibration: SK40007Instrument: MSBNA9Calibration Date: 11/01/24 00:45

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,1-Biphenyl	0.6489318	10.7584	7.623	0.0462632			SPCC (0.01)	
1,2,4,5-Tetrachlorobenzene	0.4606322	23.47204	7.355	4.382085E-02			SPCC (0.01)	*
1,2,4-Trichlorobenzene	0.2785318	13.95028	6.446	1.937967E-02			20	
1,2-Dichlorobenzene	1.67782	11.72625	5.574667	1.852302E-02			20	
1,2-Diphenylhydrazine (as Azobenzene)	0.968597	8.979827	9.27775	2.646172E-02			20	
1,3-Dichlorobenzene	1.710136	12.08802	5.371	6.178159E-03			20	
1,4-Dichlorobenzene	1.793843	12.58975	5.412	1.580659E-02			20	
1-Methylnaphthalene	0.6195089	13.01663	7.26	5.465919E-03			20	
2,3,4,6-Tetrachlorophenol	0.1432038	13.83546	8.8105	3.638994E-02			SPCC (0.01)	
2,4,5-Trichlorophenol	0.3702085	8.647457	7.498	1.521239E-02			SPCC (0.2)	
2,4,6-Trichlorophenol	0.3374927	9.025038	7.452	1.080736E-02			SPCC (0.2)	
2,4-Dichlorophenol	0.2738151	12.71717	6.36575	0.0315409			SPCC (0.2)	
2,4-Dimethylphenol	0.3107142	13.03702	6.17375	3.059341E-02			SPCC (0.2)	
2,4-Dinitrophenol	9.156129E-02	55.70332	8.43625	3.124995E-02			SPCC (0.01)	*
2,4-Dinitrotoluene	0.3957052	12.50846	8.628	3.371595E-02			SPCC (0.2)	
2,6-Dinitrotoluene	0.2845673	11.21264	8.114	2.420417E-02			SPCC (0.2)	
2-Chloronaphthalene	1.195434	10.10281	7.661	9.236177E-03			SPCC (0.8)	
2-Chlorophenol	1.626464	11.47529	5.249	8.929741E-03			SPCC (0.8)	
2-Methylnaphthalene	0.6954062	13.2901	7.144	1.699487E-02			SPCC (0.4)	
2-Methylphenol	1.375012	10.88118	5.6165	5.053974E-02			SPCC (0.7)	
2-Nitroaniline	0.4292378	10.77941	7.807	3.061186E-02			SPCC (0.01)	
2-Nitrophenol	0.1738787	10.36705	6.173	1.493544E-02			SPCC (0.1)	
3- & 4-Methylphenols	2.075979	9.338811	5.732625	4.873571E-02			SPCC (0.6)	
3,3-Dichlorobenzidine	0.626685	25.90962	15.038	1.906318E-02			SPCC (0.01)	*
3-Nitroaniline	0.3751692	11.99425	8.302	3.061676E-02			SPCC (0.01)	
4,6-Dinitro-2-methylphenol	9.750909E-02	25.46559	9.218125	3.608761E-02			SPCC (0.01)	*
4-Bromophenyl phenyl ether	0.2368809	9.262437	9.667	2.856083E-02			SPCC (0.1)	
4-Chloro-3-methylphenol	0.3269643	12.60892	6.98175	2.849663E-02			SPCC (0.2)	
4-Chloroaniline	0.4404497	13.59707	6.568	1.039635E-02			SPCC (0.01)	
4-Chlorophenyl phenyl ether	0.6163425	11.36912	9.04	3.669403E-02			SPCC (0.4)	
4-Nitroaniline	0.3894614	11.50713	9.168	6.761677E-02			SPCC (0.01)	
4-Nitrophenol	0.2966285	13.75482	8.46975	4.752406E-02			SPCC (0.01)	

FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA 8270D

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24K1290Client: HRP Associates, Inc.Project: 350-352 Liberty St. / NEW6313.RACalibration: SK40007Instrument: MSBNA9Calibration Date: 11/01/24 00:45

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Acenaphthene	1.256799	10.82351	8.386	3.541129E-02			SPCC (0.9)	
Acenaphthylene	1.957753	10.66402	8.16	3.799379E-02			SPCC (0.9)	
Acetophenone	2.293315	24.60228	5.751	5.460699E-02			SPCC (0.01)	*
Alpha Terpineol	0.3075022	15.32768	6.469666	1.151429E-02			20	
Aniline	2.276941	11.88501	5.162	6.890332E-03			SPCC ()	
Anthracene	1.305776	10.85339	10.303	0.0303345			SPCC (0.7)	
Atrazine	0.224279	23.40979	9.877	3.318868E-02			SPCC (0.01)	*
Benzaldehyde	1.20055	23.12206	5.046	9.780151E-03			SPCC (0.01)	*
Benzidine	0.8453737	26.22176	12.382	2.945148E-02			20	*
Benzo(a)anthracene	1.29136	12.12001	14.996	3.100541E-02			SPCC (0.8)	
Benzo(a)pyrene	1.434356	11.80652	17.94067	3.114031E-02			SPCC (0.7)	
Benzo(b)fluoranthene	1.436581	11.28392	17.29633	0.0291912			SPCC (0.7)	
Benzo(g,h,i)perylene	1.153024	10.25585	20.4745	0.0429262			SPCC (0.5)	
Benzo(k)fluoranthene	1.466866	11.94961	17.347	4.179114E-02			SPCC (0.7)	
Benzoic acid	0.1848666	20.7883	6.259333	0.267849			20	*
Benzyl alcohol	1.143271	11.71322	5.522	1.934171E-02			20	
Benzyl butyl phthalate	0.6980989	13.02609	13.962	1.224104E-02			20	
Bis(2-chloroethoxy)methane	0.4089061	14.7803	6.255334	3.778002E-02			SPCC (0.3)	
Bis(2-chloroethyl)ether	1.625299	11.475	5.19475	6.255545E-02			SPCC (0.7)	
Bis(2-chloroisopropyl)ether	2.355775	11.69093	5.6385	1.598915E-02			SPCC (0.01)	
Bis(2-ethylhexyl)phthalate	1.016726	12.38926	15.288	2.158395E-02			20	
Caprolactam	0.1143428	23.77604	6.878167	0.1286528			SPCC (0.01)	*
Carbazole	1.280345	11.51446	10.521	2.433454E-02			SPCC (0.01)	
Chrysene	1.283845	12.0343	15.089	2.795776E-02			SPCC (0.7)	
Dibenzo(a,h)anthracene	1.258694	10.5432	20.0435	3.366229E-02			SPCC (0.4)	
Dibenzofuran	1.724753	11.23534	8.591	1.126122E-02			SPCC (0.8)	
Diethyl phthalate	1.473795	11.86771	8.917	5.143809E-02			SPCC (0.01)	
Dimethyl phthalate	1.43102	11.07801	8	0.0378221			SPCC (0.01)	
Di-n-butyl phthalate	1.58822	10.3855	11.079	0.0197205			SPCC (0.01)	
Di-n-octyl phthalate	1.824966	11.73934	16.61817	7.747759E-03			SPCC (0.01)	
Diphenylamine	0.6250045	9.137354	9.232	3.587297E-02			20	
Fluoranthene	1.367974	10.76586	12.103	0.0301769			SPCC (0.6)	

FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA 8270D

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24K1290Client: HRP Associates, Inc.Project: 350-352 Liberty St. / NEW6313.RACalibration: SK40007Instrument: MSBNA9Calibration Date: 11/01/24 00:45

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Fluorene	1.437709	10.67352	9.079	2.284432E-02			SPCC (0.9)	
Hexachlorobenzene	0.1148158	12.13756	9.852	2.154046E-02			SPCC (0.1)	
Hexachlorobutadiene	0.1464375	13.85841	6.645	4.079481E-02			SPCC (0.01)	
Hexachlorocyclopentadiene	0.2820577	11.49455	7.359	0.008242			SPCC (0.05)	
Hexachloroethane	0.6761534	10.91794	5.8245	1.349916E-02			SPCC (0.3)	
Indeno(1,2,3-cd)pyrene	1.153024	10.25585	20.4745	0.0429262			SPCC (0.5)	
Isophorone	0.7363401	13.71351	6.086	1.974567E-02			SPCC (0.4)	
Naphthalene	1.064098	13.68942	6.51	1.752687E-02			SPCC (0.7)	
Nitrobenzene	0.3910197	14.11017	5.903	5.428309E-02			SPCC (0.2)	
N-Nitrosodimethylamine	1.073599	14.79454	3.198	1.963815E-02			20	
N-nitroso-di-n-propylamine	1.353582	10.93233	5.7605	2.262854E-02			SPCC (0.5)	
N-Nitrosodiphenylamine	0.2199271	9.021569	9.232	3.587297E-02			SPCC (0.01)	
Parathion	0.1733223	12.39867	11.398	6.192334E-03			20	
Pentachloronitrobenzene	0.1024218	10.29961	10.153	2.232209E-02			20	
Pentachlorophenol	0.115289	35.83465	10.0565	1.986044E-02			SPCC (0.05)	*
Phenanthrene	1.27354	10.95747	10.247	1.970113E-02			SPCC (0.7)	
Phenol	2.083196	12.11274	5.12475	6.073139E-02			SPCC (0.8)	
Pyrene	1.338013	12.54027	12.51733	4.633529E-03			SPCC (0.6)	
Pyridine	0.722046	15.09314	3.246	1.461736			20	
SURR: 2,4,6-Tribromophenol	0.1248229	9.821475	9.445	2.204472E-02			20	
SURR: 2-Fluorobiphenyl	1.417167	11.13431	7.520375	0.0288636			20	
SURR: 2-Fluorophenol	1.590696	13.46027	4.3425	1.703621E-02			20	
SURR: Nitrobenzene-d5	0.3766014	12.31802	5.888	1.446277E-02			20	
SURR: Phenol-d6	1.995461	12.10617	5.114	4.985947E-02			20	
SURR: Terphenyl-d14	1.019087	10.92567	12.8525	0.0179928			20	

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8270D

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24K1290Client: HRP Associates, Inc.Project: 350-352 Liberty St. / NEW6313.RAInstrument ID: MSBNA9Calibration: SK40007Lab File ID: E900324033.DCalibration Date: 11/01/24 00:45Sequence: S4K2230Injection Date: 11/22/24Lab Sample ID: S4K2230-CCV1Injection Time: 09:20

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Biphenyl	A	30.0	27.9	0.6489318	0.6031205	0.01	-7.1	20
1,2,4,5-Tetrachlorobenzene	A	30.0	28.8	0.4606322	0.4413909	0.01	-4.2	20
1,2-Diphenylhydrazine (as Azobenzene)	A	30.0	28.2	0.968597	0.9096563		-6.1	20
2,3,4,6-Tetrachlorophenol	A	30.0	28.5	0.1432038	0.1361434	0.01	-4.9	20
2,4,5-Trichlorophenol	A	30.0	27.7	0.3702085	0.3416717	0.2	-7.7	20
2,4,6-Trichlorophenol	A	30.0	27.0	0.3374927	0.3039059	0.2	-10.0	20
2,4-Dichlorophenol	A	30.0	25.7	0.2738151	0.2345952	0.2	-14.3	20
2,4-Dimethylphenol	A	30.0	24.8	0.3107142	0.2567039	0.2	-17.4	20
2,4-Dinitrophenol	A	30.0	46.4	9.156129E-02	0.1415506	0.01	54.6	20 *
2,4-Dinitrotoluene	A	30.0	29.0	0.3957052	0.3830674	0.2	-3.2	20
2,6-Dinitrotoluene	A	30.0	29.7	0.2845673	0.2813347	0.2	-1.1	20
2-Chloronaphthalene	A	30.0	27.2	1.195434	1.083342	0.8	-9.4	20
2-Chlorophenol	A	30.0	24.9	1.626464	1.352269	0.8	-16.9	20
2-Methylnaphthalene	A	30.0	26.5	0.6954062	0.6147624	0.4	-11.6	20
2-Methylphenol	A	30.0	25.7	1.375012	1.177393	0.7	-14.4	20
2-Nitroaniline	A	30.0	28.1	0.4292378	0.401807	0.01	-6.4	20
2-Nitrophenol	A	30.0	28.4	0.1738787	0.1647494	0.1	-5.3	20
3- & 4-Methylphenols	A	30.0	26.4	2.075979	1.825782	0.6	-12.1	20
3,3-Dichlorobenzidine	A	30.0	25.8	0.626685	0.5391173	0.01	-14.0	20
3-Nitroaniline	A	30.0	27.0	0.3751692	0.3369943	0.01	-10.2	20
4,6-Dinitro-2-methylphenol	A	30.0	40.6	9.750909E-02	0.1319283	0.01	35.3	20 *
4-Bromophenyl phenyl ether	A	30.0	28.8	0.2368809	0.2272694	0.1	-4.1	20
4-Chloro-3-methylphenol	A	30.0	26.3	0.3269643	0.2863538	0.2	-12.4	20
4-Chloroaniline	A	30.0	26.0	0.4404497	0.38128	0.01	-13.4	20
4-Chlorophenyl phenyl ether	A	30.0	27.0	0.6163425	0.5536548	0.4	-10.2	20
4-Nitroaniline	A	30.0	26.6	0.3894614	0.3452876	0.01	-11.3	20
4-Nitrophenol	A	30.0	25.6	0.2966285	0.2529365	0.01	-14.7	20
Acetophenone	A	30.0	27.7	2.293315	2.118592	0.01	-7.6	20
Aniline	A	30.0	27.6	2.276941	2.096978		-7.9	20

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8270D

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24K1290Client: HRP Associates, Inc.Project: 350-352 Liberty St. / NEW6313.RAInstrument ID: MSBNA9Calibration: SK40007Lab File ID: E900324033.DCalibration Date: 11/01/24 00:45Sequence: S4K2230Injection Date: 11/22/24Lab Sample ID: S4K2230-CCV1Injection Time: 09:20

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Benzaldehyde	A	30.0	27.3	1.20055	1.093652	0.01	-8.9	20
Benzidine	A	30.0	23.1	0.8453737	0.6517455		-22.9	20 *
Benzoic acid	A	30.0	34.7	0.1848666	0.2139918		15.8	20
Benzyl alcohol	A	30.0	25.5	1.143271	0.9715927		-15.0	20
Benzyl butyl phthalate	A	30.0	25.7	0.6980989	0.5983687		-14.3	20
Bis(2-chloroethoxy)methane	A	30.0	25.4	0.4089061	0.3461872	0.3	-15.3	20
Bis(2-chloroethyl)ether	A	30.0	25.1	1.625299	1.357885	0.7	-16.5	20
Bis(2-chloroisopropyl)ether	A	30.0	27.5	2.355775	2.161114	0.01	-8.3	20
Caprolactam	A	30.0	29.0	0.1143428	0.1104653	0.01	-3.4	20
Carbazole	A	30.0	27.6	1.280345	1.179439	0.01	-7.9	20
Dibenzofuran	A	30.0	26.4	1.724753	1.517455	0.8	-12.0	20
Diethyl phthalate	A	30.0	26.2	1.473795	1.286677	0.01	-12.7	20
Dimethyl phthalate	A	30.0	27.2	1.43102	1.298787	0.01	-9.2	20
Di-n-butyl phthalate	A	30.0	28.0	1.58822	1.480875	0.01	-6.8	20
Di-n-octyl phthalate	A	30.0	25.9	1.824966	1.573651	0.01	-13.8	20
Diphenylamine	A	30.0	28.9	0.6250045	0.6015788		-3.7	20
Hexachlorocyclopentadiene	A	30.0	25.9	0.2820577	0.2438232	0.05	-13.6	20
Isophorone	A	30.0	26.5	0.7363401	0.6496623	0.4	-11.8	20
N-nitroso-di-n-propylamine	A	30.0	26.9	1.353582	1.214794	0.5	-10.3	20
N-Nitrosodiphenylamine	A	30.0	29.2	0.2199271	0.2140507	0.01	-2.7	20
Phenol	A	30.0	28.6	2.083196	1.988776	0.8	-4.5	20
Pyridine	A	30.0	56.6	0.722046	1.361593		88.6	20 *

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8270D

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24K1290Client: HRP Associates, Inc.Project: 350-352 Liberty St. / NEW6313.RAInstrument ID: MSBNA9Calibration: SK40007Lab File ID: E900324100.DCalibration Date: 11/01/24 00:45Sequence: S4K2548Injection Date: 11/25/24Lab Sample ID: S4K2548-CCV1Injection Time: 09:06

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Biphenyl	A	30.0	27.2	0.6489318	0.5874366	0.01	-9.5	20
1,2,4,5-Tetrachlorobenzene	A	30.0	27.5	0.4606322	0.4216963	0.01	-8.5	20
1,2-Diphenylhydrazine (as Azobenzene)	A	30.0	27.4	0.968597	0.8863393		-8.5	20
2,3,4,6-Tetrachlorophenol	A	30.0	28.9	0.1432038	0.1378571	0.01	-3.7	20
2,4,5-Trichlorophenol	A	30.0	26.2	0.3702085	0.3228499	0.2	-12.8	20
2,4,6-Trichlorophenol	A	30.0	25.4	0.3374927	0.2858928	0.2	-15.3	20
2,4-Dichlorophenol	A	30.0	25.1	0.2738151	0.2288129	0.2	-16.4	20
2,4-Dimethylphenol	A	30.0	24.6	0.3107142	0.254392	0.2	-18.1	20
2,4-Dinitrophenol	A	30.0	44.0	9.156129E-02	0.1343896	0.01	46.8	20 *
2,4-Dinitrotoluene	A	30.0	30.0	0.3957052	0.3951002	0.2	-0.2	20
2,6-Dinitrotoluene	A	30.0	30.5	0.2845673	0.2891104	0.2	1.6	20
2-Chloronaphthalene	A	30.0	26.9	1.195434	1.071527	0.8	-10.4	20
2-Chlorophenol	A	30.0	25.6	1.626464	1.389225	0.8	-14.6	20
2-Methylnaphthalene	A	30.0	26.5	0.6954062	0.6140336	0.4	-11.7	20
2-Methylphenol	A	30.0	27.1	1.375012	1.240778	0.7	-9.8	20
2-Nitroaniline	A	30.0	28.6	0.4292378	0.4099749	0.01	-4.5	20
2-Nitrophenol	A	30.0	27.7	0.1738787	0.1606134	0.1	-7.6	20
3- & 4-Methylphenols	A	30.0	28.5	2.075979	1.971617	0.6	-5.0	20
3,3-Dichlorobenzidine	A	30.0	24.1	0.626685	0.5028163	0.01	-19.8	20
3-Nitroaniline	A	30.0	28.7	0.3751692	0.3588828	0.01	-4.3	20
4,6-Dinitro-2-methylphenol	A	30.0	35.2	9.750909E-02	0.1145087	0.01	17.4	20
4-Bromophenyl phenyl ether	A	30.0	27.2	0.2368809	0.2151028	0.1	-9.2	20
4-Chloro-3-methylphenol	A	30.0	25.4	0.3269643	0.2765146	0.2	-15.4	20
4-Chloroaniline	A	30.0	26.4	0.4404497	0.3878458	0.01	-11.9	20
4-Chlorophenyl phenyl ether	A	30.0	27.6	0.6163425	0.5660711	0.4	-8.2	20
4-Nitroaniline	A	30.0	27.5	0.3894614	0.3573449	0.01	-8.2	20
4-Nitrophenol	A	30.0	25.1	0.2966285	0.2482753	0.01	-16.3	20
Acetophenone	A	30.0	29.9	2.293315	2.288951	0.01	-0.2	20
Aniline	A	30.0	29.8	2.276941	2.265861		-0.5	20

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8270D

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24K1290Client: HRP Associates, Inc.Project: 350-352 Liberty St. / NEW6313.RAInstrument ID: MSBNA9Calibration: SK40007Lab File ID: E900324100.DCalibration Date: 11/01/24 00:45Sequence: S4K2548Injection Date: 11/25/24Lab Sample ID: S4K2548-CCV1Injection Time: 09:06

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Benzaldehyde	A	30.0	27.5	1.20055	1.099183	0.01	-8.4	20
Benzidine	A	30.0	17.9	0.8453737	0.5053196		-40.2	20 *
Benzoic acid	A	30.0	27.9	0.1848666	0.1717634		-7.1	20
Benzyl alcohol	A	30.0	27.4	1.143271	1.045209		-8.6	20
Benzyl butyl phthalate	A	30.0	26.3	0.6980989	0.6116881		-12.4	20
Bis(2-chloroethoxy)methane	A	30.0	25.7	0.4089061	0.3496976	0.3	-14.5	20
Bis(2-chloroethyl)ether	A	30.0	26.2	1.625299	1.416477	0.7	-12.8	20
Bis(2-chloroisopropyl)ether	A	30.0	31.5	2.355775	2.47625	0.01	5.1	20
Caprolactam	A	30.0	29.1	0.1143428	0.1108424	0.01	-3.1	20
Carbazole	A	30.0	25.9	1.280345	1.10394	0.01	-13.8	20
Dibenzofuran	A	30.0	27.4	1.724753	1.576682	0.8	-8.6	20
Diethyl phthalate	A	30.0	27.6	1.473795	1.354389	0.01	-8.1	20
Dimethyl phthalate	A	30.0	26.9	1.43102	1.283051	0.01	-10.3	20
Di-n-butyl phthalate	A	30.0	26.5	1.58822	1.40519	0.01	-11.5	20
Di-n-octyl phthalate	A	30.0	25.4	1.824966	1.544616	0.01	-15.4	20
Diphenylamine	A	30.0	26.5	0.6250045	0.5515516		-11.8	20
Hexachlorocyclopentadiene	A	30.0	21.5	0.2820577	0.2018853	0.05	-28.4	20 *
Isophorone	A	30.0	27.5	0.7363401	0.6744462	0.4	-8.4	20
N-nitroso-di-n-propylamine	A	30.0	29.8	1.353582	1.346104	0.5	-0.6	20
N-Nitrosodiphenylamine	A	30.0	27.3	0.2199271	0.2000668	0.01	-9.0	20
Phenol	A	30.0	29.8	2.083196	2.068459	0.8	-0.7	20
Pyridine	A	30.0	57.2	0.722046	1.375537		90.5	20 *

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

SVOC SIM Data Section



**QA/QC Review of Method 8270D SIM Semi-Volatiles Data
for York Analytical Laboratories, Inc., SDG: 24I0123**

**4 Ground Water Samples and 1 Field Duplicate
Collected November 15, 2024**

Geology

Hydrology

Remediation

Water Supply

Prepared by: Donald Anné

January 7, 2025

Holding Times: The sample was extracted and analyzed within USEPA SW-846 holding times.

GC/MS Tuning and Mass Calibration: The DFTPP tuning criteria were within control limits.

Initial Calibration: The average RRFs for target compounds were above the allowable minimum (0.010) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The RRFs for target compounds were above the allowable minimum (0.010), as required.

The %Ds for 15 compounds (highlighted yellow on attached FORM VII) were above the allowable maximum (20%) on 11-25-24 (SV500786.D). Positive results for these compounds should be considered estimated (J) in associated samples.

Blanks: The analyses of the method blanks reported target compounds as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Laboratory Control Sample: The percent recoveries (%Rs) for target compounds were within QC limits for aqueous sample BK41436-BS2.

The %Rs for hexachlorobutadiene, hexachloroethane, nitrobenzene, and n-nitrosodimethylamine were below QC limits and below 30% for aqueous sample BK41529-BS2. Positive results for these compounds should be considered estimated, biased low (J-) and “not detected” results rejected, unusable (R) in the associated aqueous samples.

Field Duplicates: The analyses of aqueous field duplicate pair MW-105/Dup reported target compounds as not detected or below the lowest standard in one or both samples; therefore, valid relative percent differences could not be calculated. The analyses for the field duplicate pair were acceptable.

Compound ID: Checked compound results were within quantitation limits.

FORM III

LCS / LCS DUPLICATE RECOVERY
EPA 8270D SIMLaboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24K1290Client: HRP Associates, Inc.Project: 350-352 Liberty St. / NEW6313.RAMatrix: WaterBatch: BK41529Laboratory ID: BK41529-BS2Preparation: EPA 3510CInitial/Final: 1000 mL / 1 mL

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. #	QC LIMITS REC.
Acenaphthene	1.00	0.350	35.0	25 - 116
Acenaphthylene	1.00	0.420	42.0	26 - 116
Anthracene	1.00	0.470	47.0	25 - 123
Benzo(a)anthracene	1.00	0.510	51.0	33 - 125
Benzo(a)pyrene	1.00	0.470	47.0	32 - 132
Benzo(b)fluoranthene	1.00	0.490	49.0	22 - 137
Benzo(g,h,i)perylene	1.00	0.500	50.0	10 - 138
Benzo(k)fluoranthene	1.00	0.520	52.0	20 - 137
Bis(2-ethylhexyl)phthalate	1.00	0.650	65.0	10 - 189
Chrysene	1.00	0.470	47.0	32 - 124
Dibenzo(a,h)anthracene	1.00	0.420	42.0	16 - 133
Fluoranthene	1.00	0.540	54.0	32 - 121
Fluorene	1.00	0.430	43.0	28 - 118
Hexachlorobenzene	1.00	0.280	28.0	23 - 124
Hexachlorobutadiene	1.00	ND	0 *	15 - 123
Hexachloroethane	1.00	ND	0 *	18 - 115
Indeno(1,2,3-cd)pyrene	1.00	0.420	42.0	15 - 135
Naphthalene	1.00	0.240	24.0	18 - 120
Nitrobenzene	1.00	ND	0 *	21 - 121
N-Nitrosodimethylamine	1.00	ND	0 *	10 - 124
Pentachlorophenol	1.00	0.520	52.0	10 - 156
Phenanthrene	1.00	0.460	46.0	24 - 127
Pyrene	1.00	0.420	42.0	31 - 132

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8270D SIM

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24K1290Client: HRP Associates, Inc.Project: 350-352 Liberty St. / NEW6313.RAInstrument ID: BNA #5Calibration: SK40012Lab File ID: SV500786.DCalibration Date: 11/05/24 13:00Sequence: S4K2549Injection Date: 11/25/24Lab Sample ID: S4K2549-CCV1Injection Time: 10:22

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	1.00	0.770	0.9887342	0.7598872		-23.1	30
Acenaphthylene	A	1.00	0.780	1.420108	1.106882		-22.1	30
Anthracene	A	1.00	0.800	0.9563122	0.7679017		-19.7	30
Atrazine	A	2.50	1.98	0.2203248	0.1745277		-20.8	30
Benzo(a)anthracene	A	1.00	0.740	1.17899	0.8707837		-26.1	30
Benzo(a)pyrene	A	1.00	0.890	0.9134129	0.8089302		-11.4	30
Benzo(b)fluoranthene	A	1.00	0.890	1.045785	0.9261656		-11.4	30
Benzo(g,h,i)perylene	A	1.00	0.810	0.9350796	0.7617943		-18.5	30
Benzo(k)fluoranthene	A	1.00	0.920	1.036137	0.9490223		-8.4	30
Bis(2-ethylhexyl)phthalate	A	2.50	2.05	0.6528774	0.5353659		-18.0	30
Chrysene	A	1.00	0.710	1.223503	0.8703988		-28.9	30
Dibenzo(a,h)anthracene	A	1.00	0.730	1.143599	0.832427		-27.2	30
Fluoranthene	A	1.00	0.860	1.171339	1.006774		-14.0	30
Fluorene	A	1.00	0.810	1.250367	1.016949		-18.7	30
Hexachlorobenzene	A	0.100	0.0800	0.1970916	0.1561401		-20.8	30
Hexachlorobutadiene	A	2.50	1.57	0.2736976	0.1716465		-37.3	30 *
Hexachloroethane	A	2.50	1.91	0.3389355	0.2589219		-23.6	30
Indeno(1,2,3-cd)pyrene	A	1.00	0.740	1.345565	0.9919347		-26.3	30
Naphthalene	A	1.00	0.750	0.9891459	0.7438122		-24.8	30
Nitrobenzene	A	2.50	1.01	0.8344922	0.6717373		-19.5	30
N-Nitrosodimethylamine	A	2.50	1.81	0.3672895	0.2653106		-27.8	30
Pentachlorophenol	A	1.50	1.09	7.325545E-02	5.312035E-02		-27.5	30
Phenanthrene	A	1.00	0.760	1.027868	0.7772056		-24.4	30
Pyrene	A	1.00	0.720	1.184109	0.8561762		-27.7	30

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

1,4-Dioxane

Data Section



**QA/QC Review of Method 8270D SIM 1,4-Dioxane Data
for York Analytical Laboratories, Inc., SDG: 24K1290**

**4 Ground Water Sample and 1 Field Duplicate
Collected November 15, 2024**

Geology

Hydrology

Remediation

Water Supply

Prepared by: Donald Anné
January 7, 2025

Holding Times: Samples were extracted and analyzed within USEPA SW-846 holding times.

GC/MS Tuning and Mass Calibration: The DFTPP tuning criteria were within control limits.

Initial Calibration: The average RRF for 1,4-dioxane was above the allowable minimum (0.010) and the %RSD was below the allowable maximum (30%), as required.

Continuing Calibration: The RRFs for 1,4-dioxane were above the allowable minimum (0.010) and the %Ds were below the allowable maximum (20%), as required.

Blanks: The analyses of the method and equipment blanks reported 1,4-dioxane as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits for reported soil samples.

Surrogate Recovery: The surrogate recoveries were within QC limits for the ground water samples and equipment blank.

Matrix Spike/Matrix Spike Duplicate: The relative percent difference for 1,4-dioxane was below the allowable maximum, but 2 of 2 percent recoveries were above QC limits for aqueous MS/MSD sample MW-105. Sample MW-105 reported 1,4-dioxane as “not detected”; therefore, no action is taken

Laboratory Control Sample: The percent recovery for 1,4-dioxane was within QC limits for aqueous sample BK41304-BS1.

Field Duplicates: The analyses of aqueous field duplicate pair MW-105/Dup reported 1,4-dioxane as not detected; therefore, a valid relative percent difference could not be calculated. The analyses for the field duplicate pair were acceptable.

Compound ID: Checked surrogate results were within quantitation limits. The analyses of the ground water samples reported 1,4-dioxane as not detected.

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MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8270E SIM

MW-105

Laboratory: York Analytical Laboratories, Inc. - Stratford

SDG: 24K1290

Client: HRP Associates, Inc.

Project: 350-352 Liberty St. / NEW6313.RA

Matrix: Water

Batch: BK41304

Laboratory ID: BK41304-MS1

Preparation: EPA 3535A

Initial/Final: 125 mL / 2 mL

Source Sample Name: MW-105

COMPOUND	SPIKE ADDED (ug/mL)	SAMPLE CONCENTRATION (ug/mL)	MS CONCENTRATION (ug/mL)	MS % REC. #	QC LIMITS REC.
1,4-Dioxane	4.00	ND	5.89	147 *	50 - 130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8270E SIM

MW-105

Laboratory: York Analytical Laboratories, Inc. - Stratford

SDG: 24K1290

Client: HRP Associates, Inc.

Project: 350-352 Liberty St. / NEW6313.RA

Matrix: Water

Batch: BK41304

Laboratory ID: BK41304-MSD1

Preparation: EPA 3535A

Initial/Final: 125 mL / 2 mL

Source Sample Name: MW-105

COMPOUND	SPIKE ADDED (ug/mL)	MSD CONCENTRATION (ug/mL)	MSD % REC. #		% RPD #	QC LIMITS	
						RPD	REC.
1,4-Dioxane	4.00	5.87	147	*	0.272	30	50 - 130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

PFAS

Data Section



**QA/QC Review of Method 1633 PFAS Data for
York Analytical Laboratories, Inc., SDG: 24K1290**

**4 Ground Water Samples, 1 Field Duplicate,
and 1 Field Blank
Collected November 15, 2024**

Prepared by: Donald Anné
January 7, 2025

Geology

Hydrology

Remediation

Water Supply

Holding Times: The samples were analyzed within USEPA holding times.

Initial Calibration (Internal Standard): The Quad COD for NFDHA was below the allowable minimum (0.995) for LCQQQ on 11-12-24. Positive results for these NFDHA should be considered estimated (J) in associated samples.

Continuing Calibration: The %Ds for target PFAS were below the allowable maximum (30%), as required.

Blanks: The analyses of the method and field blanks reported target PFAS as not detected.

Internal Standard Area Summary: The internal standard retention times were within control limits.

Surrogate Recovery: Six of twenty-four surrogate recoveries for sample MW-202 were above QC limits. Five of twenty-four surrogate recoveries for sample MW-104 were above QC limits. Two of twenty-four surrogate recoveries for sample Dup were above QC limits. One of twenty-four surrogate recoveries for samples MW-105 and Field Blank was above QC limits. Positive results associated with the surrogate below QC limits should be considered estimated (J) in the samples.

One of twenty-four surrogate recoveries for samples MW-104 was below QC limits, but not below 10%. Positive and “not detected” results associated with the surrogate below QC limits should be considered estimated (J or UJ) in the samples.

One of twenty-four surrogate recoveries for sample Field Blank was below QC limits and below 10%. Positive results associated with the surrogate below QC limits should be considered estimated (J) and “not detected” results rejected, unusable (R) in the samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences for target PFAS were below the allowable maximum and the percent recoveries were within QC limits for aqueous MS/MSD sample MW-105.

Laboratory Control Sample: The percent recoveries (%Rs) for PFMPA were below QC limits and below 30% for aqueous samples BK41619-BS1 and BK41619-BS2. Positive results for PFMPA should be considered estimated, biased low (J-) and “not detected” results rejected, unusable (R) in associated aqueous samples.

The %R for PFNS was above QC limits for aqueous sample BK41619-BS2. Positive results for PFNS should be considered estimated biased, high (J+) in associated aqueous samples.

Field Duplicates: The relative percent differences for 6 PFAS were above the allowable maximum (20%) for aqueous field duplicate pair MW-105/Dup (attached table). Positive results for 6 PFAS should be considered estimated in samples MW-105 and Dup.

Compound ID: Checked PFAS and surrogate results were within LC quantitation limits.

FORM II

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 1633 Draft 3

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24K1290Client: HRP Associates, Inc.Project: 350-352 Liberty St. / NEW6313.RASequence: S4K2543Instrument: LCQQQCalibration: SK40019

Surrogate Compound	Spike Level ng/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
MW-104 (24K1290-01) Lab File ID: QQQ46650.d Analyzed: 11/25/24 18:07								
M3PFBS	21.5	114	25 - 150	5.436633	5.35904	0.0776	+/-1.00	
M5PFHxA	23.1	146	25 - 150	6.2143	6.177932	0.0364	+/-1.00	
M4PFHpA	23.1	164	25 - 150	6.96585	6.973927	-0.0081	+/-1.00	*
M3PFHxS	21.9	126	25 - 150	7.0574	7.075877	-0.0185	+/-1.00	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	23.1	133	25 - 150	7.576233	7.624527	-0.0483	+/-1.00	
M6PFDA	11.5	120	25 - 150	8.642817	8.707681	-0.0649	+/-1.00	
M7PFUDa	11.5	130	25 - 150	9.106167	9.148019	-0.0419	+/-1.00	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	11.5	157	25 - 150	9.52225	9.549937	-0.0277	+/-1.00	*
M2PFTeDA	11.5	185	10 - 150	10.24872	10.22913	0.0196	+/-1.00	*
Perfluoro-n-[13C4]butanoic acid (MPFBA)	92.3	23.7	25 - 150	1.269067	1.2094	0.0597	+/-1.00	*
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	22.1	132	25 - 150	8.169583	8.230512	-0.0609	+/-1.00	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	46.2	129	25 - 150	4.643633	4.534963	0.1087	+/-1.00	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	23.1	132	10 - 150	9.27755	9.300746	-0.0232	+/-1.00	
d3-N-MeFOSAA	46.2	127	25 - 150	8.864017	8.912935	-0.0489	+/-1.00	
d5-N-EtFOSAA	46.2	122	25 - 150	9.095933	9.13774	-0.0418	+/-1.00	
M2-6:2 FTS	43.9	187	25 - 200	7.519467	7.575445	-0.0560	+/-1.00	
M2-8:2 FTS	44.3	152	25 - 200	8.614233	8.683722	-0.0695	+/-1.00	
M9PFNA	11.5	119	25 - 150	8.133467	8.199452	-0.0660	+/-1.00	
M2-4:2 FTS	43.3	153	25 - 150	6.147333	6.11037	0.0370	+/-1.00	*
d-N-MeFOSA	23.1	134	25 - 150	10.11833	10.1091	0.0092	+/-1.00	
d-N-EtFOSA	23.1	137	25 - 150	10.42013	10.37983	0.0403	+/-1.00	
M3HFPO-DA	92.3	173	25 - 150	6.48535	6.459854	0.0255	+/-1.00	*
d9-N-EtFOSE	231	113	25 - 150	10.37152	10.33697	0.0345	+/-1.00	
d7-N-MeFOSE	231	101	25 - 150	10.0863	10.07592	0.0104	+/-1.00	

FORM II

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 1633 Draft 3

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24K1290Client: HRP Associates, Inc.Project: 350-352 Liberty St. / NEW6313.RASequence: S4K2543Instrument: LCQQQCalibration: SK40019

Surrogate Compound	Spike Level ng/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
MW-105 (24K1290-02) Lab File ID: QQQ46651.d Analyzed: 11/25/24 18:24								
M3PFBS	21.9	112	25 - 150	5.417867	5.35904	0.0588	+/-1.00	
M5PFHxA	23.5	119	25 - 150	6.2143	6.177932	0.0364	+/-1.00	
M4PFHpA	23.5	142	25 - 150	6.956583	6.973927	-0.0173	+/-1.00	
M3PFHxS	22.3	119	25 - 150	7.04815	7.075877	-0.0277	+/-1.00	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	23.5	113	25 - 150	7.576233	7.624527	-0.0483	+/-1.00	
M6PFDA	11.7	99.8	25 - 150	8.642817	8.707681	-0.0649	+/-1.00	
M7PFUdA	11.7	108	25 - 150	9.11545	9.148019	-0.0326	+/-1.00	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	11.7	132	25 - 150	9.531484	9.549937	-0.0185	+/-1.00	
M2PFTeDA	11.7	174	10 - 150	10.25792	10.22913	0.0288	+/-1.00	*
Perfluoro-n-[13C4]butanoic acid (MPFBA)	94.0	84.7	25 - 150	1.269067	1.2094	0.0597	+/-1.00	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	22.5	104	25 - 150	8.169583	8.230512	-0.0609	+/-1.00	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	47.0	126	25 - 150	4.625233	4.534963	0.0903	+/-1.00	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	23.5	112	10 - 150	9.27755	9.300746	-0.0232	+/-1.00	
d3-N-MeFOSAA	47.0	116	25 - 150	8.864017	8.912935	-0.0489	+/-1.00	
d5-N-EtFOSAA	47.0	103	25 - 150	9.1052	9.13774	-0.0325	+/-1.00	
M2-6:2 FTS	44.7	178	25 - 200	7.519467	7.575445	-0.0560	+/-1.00	
M2-8:2 FTS	45.1	154	25 - 200	8.614233	8.683722	-0.0695	+/-1.00	
M9PFNA	11.7	111	25 - 150	8.133467	8.199452	-0.0660	+/-1.00	
M2-4:2 FTS	44.1	145	25 - 150	6.1381	6.11037	0.0277	+/-1.00	
d-N-MeFOSA	23.5	122	25 - 150	10.12753	10.1091	0.0184	+/-1.00	
d-N-EtFOSA	23.5	122	25 - 150	10.42012	10.37983	0.0403	+/-1.00	
M3HFPO-DA	94.0	149	25 - 150	6.476083	6.459854	0.0162	+/-1.00	
d9-N-EtFOSE	235	94.6	25 - 150	10.3715	10.33697	0.0345	+/-1.00	
d7-N-MeFOSE	235	88.3	25 - 150	10.09552	10.07592	0.0196	+/-1.00	

FORM II

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 1633 Draft 3

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24K1290Client: HRP Associates, Inc.Project: 350-352 Liberty St. / NEW6313.RASequence: S4K2543Instrument: LCQQQCalibration: SK40019

Surrogate Compound	Spike Level ng/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
MW-202 (24K1290-03) Lab File ID: QQQ46654.d Analyzed: 11/25/24 19:12								
M3PFBS	21.7	128	25 - 150	5.4274	5.35904	0.0684	+/-1.00	
M5PFHxA	23.3	136	25 - 150	6.204517	6.177932	0.0266	+/-1.00	
M4PFHpA	23.3	156	25 - 150	6.956567	6.973927	-0.0174	+/-1.00	*
M3PFHxS	22.1	130	25 - 150	7.057367	7.075877	-0.0185	+/-1.00	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	23.3	130	25 - 150	7.576217	7.624527	-0.0483	+/-1.00	
M6PFDA	11.7	125	25 - 150	8.652083	8.707681	-0.0556	+/-1.00	
M7PFUDa	11.7	140	25 - 150	9.11545	9.148019	-0.0326	+/-1.00	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	11.7	154	25 - 150	9.52225	9.549937	-0.0277	+/-1.00	*
M2PFTeDA	11.7	184	10 - 150	10.23028	10.22913	0.0012	+/-1.00	*
Perfluoro-n-[13C4]butanoic acid (MPFBA)	93.3	38.4	25 - 150	1.269067	1.2094	0.0597	+/-1.00	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	22.3	120	25 - 150	8.16955	8.230512	-0.0610	+/-1.00	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	46.7	129	25 - 150	4.625233	4.534963	0.0903	+/-1.00	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	23.3	107	10 - 150	9.286817	9.300746	-0.0139	+/-1.00	
d3-N-MeFOSAA	46.7	114	25 - 150	8.864017	8.912935	-0.0489	+/-1.00	
d5-N-EtFOSAA	46.7	102	25 - 150	9.1052	9.13774	-0.0325	+/-1.00	
M2-6:2 FTS	44.4	207	25 - 200	7.519433	7.575445	-0.0560	+/-1.00	*
M2-8:2 FTS	44.8	166	25 - 200	8.614217	8.683722	-0.0695	+/-1.00	
M9PFNA	11.7	119	25 - 150	8.13345	8.199452	-0.0660	+/-1.00	
M2-4:2 FTS	43.8	169	25 - 150	6.138083	6.11037	0.0277	+/-1.00	*
d-N-MeFOSA	23.3	117	25 - 150	10.1091	10.1091	0.0000	+/-1.00	
d-N-EtFOSA	23.3	125	25 - 150	10.3925	10.37983	0.0127	+/-1.00	
M3HFPO-DA	93.3	170	25 - 150	6.47605	6.459854	0.0162	+/-1.00	*
d9-N-EtFOSE	233	89.0	25 - 150	10.34388	10.33697	0.0069	+/-1.00	
d7-N-MeFOSE	233	82.0	25 - 150	10.07708	10.07592	0.0012	+/-1.00	

FORM II

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 1633 Draft 3

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24K1290Client: HRP Associates, Inc.Project: 350-352 Liberty St. / NEW6313.RASequence: S4K2543Instrument: LCQQQCalibration: SK40019

Surrogate Compound	Spike Level ng/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Dup (24K1290-05) Lab File ID: QQQ46656.d Analyzed: 11/25/24 19:44								
M3PFBS	20.9	116	25 - 150	5.436633	5.35904	0.0776	+/-1.00	
M5PFHxA	22.5	123	25 - 150	6.223533	6.177932	0.0456	+/-1.00	
M4PFHpA	22.5	147	25 - 150	6.965833	6.973927	-0.0081	+/-1.00	
M3PFHxS	21.3	126	25 - 150	7.0574	7.075877	-0.0185	+/-1.00	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	22.5	131	25 - 150	7.57625	7.624527	-0.0483	+/-1.00	
M6PFDA	11.2	94.3	25 - 150	8.6521	8.707681	-0.0556	+/-1.00	
M7PFUDa	11.2	102	25 - 150	9.11545	9.148019	-0.0326	+/-1.00	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	11.2	104	25 - 150	9.54075	9.549937	-0.0092	+/-1.00	
M2PFTeDA	11.2	157	10 - 150	10.2395	10.22913	0.0104	+/-1.00	*
Perfluoro-n-[13C4]butanoic acid (MPFBA)	89.9	29.5	25 - 150	1.27825	1.2094	0.0689	+/-1.00	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	21.5	120	25 - 150	8.169583	8.230512	-0.0609	+/-1.00	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	44.9	119	25 - 150	4.643633	4.534963	0.1087	+/-1.00	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	22.5	117	10 - 150	9.286817	9.300746	-0.0139	+/-1.00	
d3-N-MeFOSAA	44.9	122	25 - 150	8.8733	8.912935	-0.0396	+/-1.00	
d5-N-EtFOSAA	44.9	114	25 - 150	9.1052	9.13774	-0.0325	+/-1.00	
M2-6:2 FTS	42.7	182	25 - 200	7.529117	7.575445	-0.0463	+/-1.00	
M2-8:2 FTS	43.1	153	25 - 200	8.614233	8.683722	-0.0695	+/-1.00	
M9PFNA	11.2	132	25 - 150	8.133467	8.199452	-0.0660	+/-1.00	
M2-4:2 FTS	42.2	154	25 - 150	6.157217	6.11037	0.0468	+/-1.00	*
d-N-MeFOSA	22.5	114	25 - 150	10.12755	10.1091	0.0184	+/-1.00	
d-N-EtFOSA	22.5	129	25 - 150	10.40172	10.37983	0.0219	+/-1.00	
M3HFPO-DA	89.9	139	25 - 150	6.485317	6.459854	0.0255	+/-1.00	
d9-N-EtFOSE	225	99.1	25 - 150	10.3623	10.33697	0.0253	+/-1.00	
d7-N-MeFOSE	225	89.7	25 - 150	10.0863	10.07592	0.0104	+/-1.00	

FORM II

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 1633 Draft 3

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24K1290Client: HRP Associates, Inc.Project: 350-352 Liberty St. / NEW6313.RASequence: S4K2543Instrument: LCQQQCalibration: SK40019

Surrogate Compound	Spike Level ng/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Field Blank (24K1290-06) Lab File ID: QQQ46657.d Analyzed: 11/25/24 20:00								
M3PFBS	21.6	118	25 - 150	5.41785	5.35904	0.0588	+/-1.00	
M5PFHxA	23.2	129	25 - 150	6.214283	6.177932	0.0364	+/-1.00	
M4PFHpA	23.2	135	25 - 150	6.965816	6.973927	-0.0081	+/-1.00	
M3PFHxS	22.0	121	25 - 150	7.057384	7.075877	-0.0185	+/-1.00	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	23.2	116	25 - 150	7.576217	7.624527	-0.0483	+/-1.00	
M6PFDA	11.6	114	25 - 150	8.652083	8.707681	-0.0556	+/-1.00	
M7PFUDa	11.6	116	25 - 150	9.11545	9.148019	-0.0326	+/-1.00	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	11.6	118	25 - 150	9.54075	9.549937	-0.0092	+/-1.00	
M2PFTeDA	11.6	146	10 - 150	10.25792	10.22913	0.0288	+/-1.00	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	92.6	6.68	25 - 150	1.269067	1.2094	0.0597	+/-1.00	*
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	22.2	106	25 - 150	8.169567	8.230512	-0.0609	+/-1.00	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	46.3	105	25 - 150	4.616034	4.534963	0.0811	+/-1.00	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	23.2	110	10 - 150	9.27755	9.300746	-0.0232	+/-1.00	
d3-N-MeFOSAA	46.3	116	25 - 150	8.864	8.912935	-0.0489	+/-1.00	
d5-N-EtFOSAA	46.3	109	25 - 150	9.1052	9.13774	-0.0325	+/-1.00	
M2-6:2 FTS	44.0	190	25 - 200	7.529083	7.575445	-0.0464	+/-1.00	
M2-8:2 FTS	44.5	155	25 - 200	8.614217	8.683722	-0.0695	+/-1.00	
M9PFNA	11.6	106	25 - 150	8.13345	8.199452	-0.0660	+/-1.00	
M2-4:2 FTS	43.4	180	25 - 150	6.147316	6.11037	0.0369	+/-1.00	*
d-N-MeFOSA	23.2	142	25 - 150	10.12755	10.1091	0.0184	+/-1.00	
d-N-EtFOSA	23.2	144	25 - 150	10.42013	10.37983	0.0403	+/-1.00	
M3HFPO-DA	92.6	140	25 - 150	6.476067	6.459854	0.0162	+/-1.00	
d9-N-EtFOSE	232	103	25 - 150	10.37152	10.33697	0.0345	+/-1.00	
d7-N-MeFOSE	232	96.8	25 - 150	10.0863	10.07592	0.0104	+/-1.00	

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 1633 Draft 3

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24K1290Client: HRP Associates, Inc.Project: 350-352 Liberty St. / NEW6313.RAMatrix: WaterBatch: BK41619Laboratory ID: BK41619-BS1Preparation: EPA 1633 PrepInitial/Final: 500 mL / 5 mL

COMPOUND	SPIKE ADDED (ng/L)	LCS CONCENTRATION (ng/L)	LCS % REC. #	QC LIMITS REC.
11CL-PF3OUdS	75.6	72.0	95.3	50 - 150
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	154	142	92.7	50 - 150
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	150	160	107	50 - 150
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	152	157	103	50 - 150
3-Perfluoroheptyl propanoic acid (FHpPA)	800	707	88.4	50 - 150
3-Perfluoropentyl propanoic acid (FPePA)	800	805	101	50 - 150
3-Perfluoropropyl propanoic acid (FPrPA)	160	98.8	61.8	50 - 150
9CL-PF3ONS	74.8	72.7	97.1	50 - 150
ADONA	75.6	70.1	92.8	50 - 150
HFPO-DA (Gen-X)	80.0	68.5	85.6	50 - 150
N-EtFOSA	40.0	41.3	103	50 - 150
N-EtFOSAA	40.0	39.4	98.5	50 - 150
N-EtFOSE	400	361	90.1	50 - 150
N-MeFOSA	40.0	37.5	93.6	50 - 150
N-MeFOSAA	40.0	40.4	101	50 - 150
N-MeFOSE	400	402	101	50 - 150
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	71.2	70.9	99.5	50 - 150
Perfluoro-1-decanesulfonic acid (PFDS)	38.6	40.7	105	50 - 150
Perfluoro-1-heptanesulfonic acid (PFHpS)	38.2	39.1	102	50 - 150
Perfluoro-1-nonanesulfonic acid (PFNS)	38.4	45.4	118	50 - 150
Perfluoro-1-octanesulfonamide (FOSA)	40.0	49.0	122	50 - 150
Perfluoro-1-pentanesulfonate (PFPeS)	37.6	39.8	106	50 - 150
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	80.0	104	130	50 - 150
Perfluoro-4-oxapentanoic acid (PFMPA)	80.0	14.4	18.0 *	50 - 150
Perfluoro-5-oxahexanoic acid (PFMBA)	80.0	109	136	50 - 150
Perfluorobutanesulfonic acid (PFBS)	35.4	37.8	107	50 - 150
Perfluorodecanoic acid (PFDA)	40.0	37.3	93.4	50 - 150
Perfluorododecanesulfonic acid (PFDoS)	38.8	38.3	98.7	50 - 150
Perfluorododecanoic acid (PFDoA)	40.0	42.6	107	50 - 150

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 1633 Draft 3

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24K1290Client: HRP Associates, Inc.Project: 350-352 Liberty St. / NEW6313.RAMatrix: WaterBatch: BK41619Laboratory ID: BK41619-BS1Preparation: EPA 1633 PrepInitial/Final: 500 mL / 5 mL

COMPOUND	SPIKE ADDED (ng/L)	LCS CONCENTRATION (ng/L)	LCS % REC. #	QC LIMITS REC.
Perfluoroheptanoic acid (PFHpA)	40.0	48.0	120	50 - 150
Perfluorohexanesulfonic acid (PFHxS)	36.6	40.5	111	50 - 150
Perfluorohexanoic acid (PFHxA)	40.0	40.3	101	50 - 150
Perfluoro-n-butanoic acid (PFBA)	160	135	84.2	50 - 150
Perfluorononanoic acid (PFNA)	40.0	51.8	130	50 - 150
Perfluorooctanesulfonic acid (PFOS)	37.2	37.0	99.6	50 - 150
Perfluorooctanoic acid (PFOA)	40.0	43.5	109	50 - 150
Perfluoropentanoic acid (PFPeA)	80.0	81.8	102	50 - 150
Perfluorotetradecanoic acid (PFTA)	40.0	40.8	102	50 - 150
Perfluorotridecanoic acid (PFTrDA)	40.0	37.9	94.8	50 - 150
Perfluoroundecanoic acid (PFUnA)	40.0	46.4	116	50 - 150

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 1633 Draft 3

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24K1290Client: HRP Associates, Inc.Project: 350-352 Liberty St. / NEW6313.RAMatrix: WaterBatch: BK41619Laboratory ID: BK41619-BS2Preparation: EPA 1633 PrepInitial/Final: 500 mL / 5 mL

COMPOUND	SPIKE ADDED (ng/L)	LCS CONCENTRATION (ng/L)	LCS % REC. #	QC LIMITS REC.
11CL-PF3OUdS	7.56	7.81	103	50 - 150
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	15.4	15.6	102	50 - 150
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	15.0	17.0	113	50 - 150
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	15.2	15.6	102	50 - 150
3-Perfluoroheptyl propanoic acid (FHpPA)	80.0	80.8	101	50 - 150
3-Perfluoropentyl propanoic acid (FPePA)	80.0	82.4	103	50 - 150
3-Perfluoropropyl propanoic acid (FPrPA)	16.0	9.85	61.5	50 - 150
9CL-PF3ONS	7.48	7.79	104	50 - 150
ADONA	7.56	8.39	111	50 - 150
HFPO-DA (Gen-X)	8.00	8.83	110	50 - 150
N-EtFOSA	4.00	4.61	115	50 - 150
N-EtFOSAA	4.00	4.45	111	50 - 150
N-EtFOSE	40.0	44.8	112	50 - 150
N-MeFOSA	4.00	3.82	95.5	50 - 150
N-MeFOSAA	4.00	3.58	89.5	50 - 150
N-MeFOSE	40.0	46.6	116	50 - 150
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	7.12	7.08	99.5	50 - 150
Perfluoro-1-decanesulfonic acid (PFDS)	3.86	4.35	113	50 - 150
Perfluoro-1-heptanesulfonic acid (PFHpS)	3.82	4.05	106	50 - 150
Perfluoro-1-nonanesulfonic acid (PFNS)	3.84	5.97	155 *	50 - 150
Perfluoro-1-octanesulfonamide (FOSA)	4.00	4.96	124	50 - 150
Perfluoro-1-pentanesulfonate (PFPeS)	3.76	4.75	126	50 - 150
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	8.00	8.12	101	50 - 150
Perfluoro-4-oxapentanoic acid (PFMPA)	8.00	1.46	18.2 *	50 - 150
Perfluoro-5-oxahexanoic acid (PFMBA)	8.00	11.2	140	50 - 150
Perfluorobutanesulfonic acid (PFBS)	3.54	4.15	117	50 - 150
Perfluorodecanoic acid (PFDA)	4.00	4.00	100	50 - 150
Perfluorododecanesulfonic acid (PFDoS)	3.88	4.55	117	50 - 150
Perfluorododecanoic acid (PFDoA)	4.00	3.96	99.1	50 - 150

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 1633 Draft 3

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24K1290Client: HRP Associates, Inc.Project: 350-352 Liberty St. / NEW6313.RAMatrix: WaterBatch: BK41619Laboratory ID: BK41619-BS2Preparation: EPA 1633 PrepInitial/Final: 500 mL / 5 mL

COMPOUND	SPIKE ADDED (ng/L)	LCS CONCENTRATION (ng/L)	LCS % REC. #	QC LIMITS REC.
Perfluoroheptanoic acid (PFHpA)	4.00	4.68	117	50 - 150
Perfluorohexanesulfonic acid (PFHxS)	3.66	5.06	138	50 - 150
Perfluorohexanoic acid (PFHxA)	4.00	4.15	104	50 - 150
Perfluoro-n-butanoic acid (PFBA)	16.0	13.2	82.5	50 - 150
Perfluorononanoic acid (PFNA)	4.00	5.15	129	50 - 150
Perfluorooctanesulfonic acid (PFOS)	3.72	4.49	121	50 - 150
Perfluorooctanoic acid (PFOA)	4.00	3.98	99.6	50 - 150
Perfluoropentanoic acid (PFPeA)	8.00	8.10	101	50 - 150
Perfluorotetradecanoic acid (PFTA)	4.00	4.26	106	50 - 150
Perfluorotridecanoic acid (PFTrDA)	4.00	4.80	120	50 - 150
Perfluoroundecanoic acid (PFUnA)	4.00	4.69	117	50 - 150

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA 1633 Draft 3

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24K1290Client: HRP Associates, Inc.Project: 350-352 Liberty St. / NEW6313.RACalibration: SK40019Instrument: LCQQQCalibration Date: 11/12/24 08:00

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
11CL-PF3OUdS	1.291242	8.930213	9.396944	0.3644251		0.9999299	0.995	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	0.2414952	18.40779	8.684119	0.4900289		0.9997934	0.995	
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	0.9917361	16.21792	6.109428	5.754885E-02		0.9993586	0.995	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	1.324825	16.24512	7.577358	0.4358664		0.9999482	0.995	
3-Perfluoroheptyl propanoic acid (FHpPA)	0.2718457	12.28075	8.357996	0.5212477		0.99987	0.995	
3-Perfluoropentyl propanoic acid (FPePA)	0.166656	10.5344	7.050373	0.2892338		0.9998995	0.995	
3-Perfluoropropyl propanoic acid (FPrPA)	2.901181E-02	5.126288	4.248895	0.4621968		0.9999356	0.995	
9CL-PF3ONS	2.163907	3.511112	8.545617	0.5030249		0.9999534	0.995	
ADONA	0.6491883	3.30709	7.099985	0.3265494		0.9999678	0.995	
d3-N-MeFOSAA	1.826946	8.255609	8.912935	0.4506586			20	
d5-N-EtFOSAA	1.612064	9.359104	9.13774	0.4031581			20	
d7-N-MeFOSE	0.1389993	6.651079	10.07592	0.2267786			20	
d9-N-EtFOSE	6.671789E-02	7.987963	10.33697	0.2009772			20	
d-N-EtFOSA	0.1374316	10.66002	10.37983	0.2122945			20	
d-N-MeFOSA	0.2307316	11.89163	10.1091	0.2439405			20	
HFPO-DA (Gen-X)	2.772941E-02	9.789716	6.461246	0.1866227		0.9999179	0.995	
M2-4:2 FTS	6.58723	6.566946	6.11037	1.270995E-02			20	
M2-6:2 FTS	3.617386	13.69098	7.575445	0.4188256			20	
M2-8:2 FTS	5.644338	11.90453	8.683722	0.490109			20	
M2PFTeDA	0.7307806	17.26421	10.22913	0.2123089			20	
M3HFPO-DA	0.2546662	12.45618	6.459854	0.1262429			20	
M3PFBS	5.038202	4.210197	5.35904	0.242498			20	
M3PFHxS	3.554613	7.734285	7.075877	0.369553			20	
M4PFHpA	0.3670964	9.333412	6.973927	0.2785792			20	
M5PFHxA	1.716595	8.112662	6.177932	5.466945E-02			20	
M6PFDA	1.701104	17.67848	8.707681	0.4690976			20	
M7PFUdA	2.19038	11.60707	9.148019	0.3877029			20	
M9PFNA	0.348875	12.0584	8.199452	0.4649472			20	
N-EtFOSA	1.269058	12.00712	10.38775	0.1893462		0.9997423	0.995	
N-EtFOSAA	0.8907927	7.247681	9.147423	0.4029442		0.9999136	0.995	

FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA 1633 Draft 3

Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24K1290Client: HRP Associates, Inc.Project: 350-352 Liberty St. / NEW6313.RACalibration: SK40019Instrument: LCQQQCalibration Date: 11/12/24 08:00

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
N-EtFOSE	1.853826	11.2699	10.35591	0.2006563		0.9992092	0.995	
N-MeFOSA	0.9263772	16.99327	10.12008	0.2196196		0.9996694	0.995	
N-MeFOSAA	0.8920632	5.190186	8.916615	0.4262081		0.9999407	0.995	
N-MeFOSE	0.8853715	11.00633	10.09293	0.206941		0.9999373	0.995	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	1.365395	4.302975	5.89196	7.392788E-02		0.9999186	0.995	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	1.754211	8.323531	9.300746	0.3953584			20	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	0.512041	6.751001	8.230512	0.487963			20	
Perfluoro-1-decanesulfonic acid (PFDS)	0.8784011	8.973754	9.150136	0.4006528		0.9998146	0.995	
Perfluoro-1-heptanesulfonic acid (PFHpS)	2.481311	7.360638	7.684058	0.4648253		0.9998234	0.995	
Perfluoro-1-nonanesulfonic acid (PFNS)	0.1989712	5.947743	8.724831	0.4782492		0.9999569	0.995	
Perfluoro-1-octanesulfonamide (FOSA)	1.435029	6.143788	9.302117	0.3731236		0.9997574	0.995	
Perfluoro-1-pentanesulfonate (PFPeS)	1.250521	10.34646	6.384052	7.868512E-02		0.9999542	0.995	
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	9.040558E-03	17.19162	6.033119	7.210146E-02		0.9944	0.995	*
Perfluoro-4-oxapentanoic acid (PFMPA)	0.3472486	1.629814	2.073817	1.112365		0.9999952	0.995	
Perfluoro-5-oxahexanoic acid (PFMBA)	0.4236384	3.755537	5.324046	0.2620411		0.9999937	0.995	
Perfluorobutanesulfonic acid (PFBS)	1.055324	6.515857	5.359802	0.2421003		0.9999477	0.995	
Perfluorodecanoic acid (PFDA)	1.021241	10.04895	8.712255	0.4905964		0.999823	0.995	
Perfluorododecanesulfonic acid (PFDoS)	0.3893983	8.807095	9.896987	0.2624331		0.9996884	0.995	
Perfluorododecanoic acid (PFDoA)	0.767648	11.97856	9.550196	0.3632187		0.9974359	0.995	
Perfluoroheptanoic acid (PFHpA)	3.089486	8.119017	6.975325	0.2924111		0.9990063	0.995	
Perfluorohexanesulfonic acid (PFHxS)	1.093402	6.540377	7.076369	0.3275355		0.9999367	0.995	
Perfluorohexanoic acid (PFHxA)	1.112048	4.489623	6.178352	9.924688E-03		0.9997389	0.995	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.833641	13.9398	9.549937	0.3558094			20	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	2.795272	6.016177	1.2094	1.517969			20	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	1.714005	8.223908	4.534963	0.4432949			20	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	0.9366673	3.286162	7.624527	0.4447432			20	
Perfluoro-n-butanoic acid (PFBA)	0.9041842	3.611715	1.208246	1.790264		0.9998631	0.995	
Perfluorononanoic acid (PFNA)	2.938023	12.92394	8.200019	0.5073708		0.9997289	0.995	
Perfluorooctanesulfonic acid (PFOS)	2.458795	9.124698	8.233912	0.4713707		0.9998515	0.995	

FORM VI**INITIAL CALIBRATION DATA (Continued)****EPA 1633 Draft 3**Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24K1290Client: HRP Associates, Inc.Project: 350-352 Liberty St. / NEW6313.RACalibration: SK40019Instrument: LCQQQCalibration Date: 11/12/24 08:00

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Perfluorooctanoic acid (PFOA)	1.207555	12.04184	7.623767	0.4255165		0.9994228	0.995	
Perfluoropentanoic acid (PFPeA)	1.03194	3.21483	4.535802	0.4565445		0.999995	0.995	
Perfluorotetradecanoic acid (PFTA)	0.9579242	5.380246	10.22965	0.2228948		0.9998983	0.995	
Perfluorotridecanoic acid (PFTrDA)	1.303897	8.997029	9.915106	0.281936		0.9999444	0.995	
Perfluoroundecanoic acid (PFUnA)	0.7293247	7.927383	9.14744	0.3879296		0.9998571	0.995	

Metals Data Section



Geology

Hydrology

Remediation

Water Supply

**QA/QC Review of RCRA Metals Data for
York Analytical Laboratories, Inc., SDG: 24K1290**

**4 Ground Water Samples and 1 Field Duplicate
Collected September 5, 2024**

Prepared by: Donald Anné
January 7, 2025

Holding Times: Samples were analyzed within the USEPA SW-846 holding times.

Initial and Continuing Calibration Verification: The percent recoveries for target metals were within control limits (90-110% for all metals except Hg, 80-120% for Hg), as required.

CRDL Standard: The percent recovery for selenium was above laboratory QC limits for the CRDL sample S4K2234-CRL1. Positive results for selenium that less than 4X the spiking level should be considered estimated, biased high (J+) in associated samples.

Blanks: Aqueous preparation blanks reported target metals as not detected.

ICP Interference Check Sample: The percent recoveries for applicable metals were within control limits for the interference check samples

Spike Sample Recovery: The percent recoveries for barium and cadmium were above control limits (75-125%) for aqueous spike samples MW-105. Positive results for barium and cadmium should be considered estimated, biased high (J+) in associated aqueous samples.

Laboratory Duplicate: The relative percent difference for chromium was above the allowable maximum (20%) for aqueous duplicate sample MW-105. Positive results for chromium should be considered estimated (J) in associated aqueous samples.

Field Duplicates: The relative percent differences for applicable metals were below the allowable maximum (35%) for aqueous field duplicate pair MW-105/Dup (attached table), as required.

Laboratory Control Sample: The percent recoveries for target metals were within QC limits for aqueous samples BK41435-BS and BK41533-BS1.

Serial Dilution: The %Ds for barium and selenium were above the allowable maximum (10%) for aqueous serial dilution sample MW-105. Positive results for barium and selenium that are above the RLs should be considered estimated (J) in associated aqueous samples.

Detection Limits: The LODs were at or below POQs, as required.

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 6020B

MW-105

Laboratory: York Analytical Laboratories, Inc. - Stratford

SDG: 24K1290

Client: HRP Associates, Inc.

Project: 350-352 Liberty St. / NEW6313.RA

Matrix: Water

Batch: BK41435

Laboratory ID: BK41435-MS1

Preparation: EPA 3015A

Initial/Final: 45 mL / 50 mL

Source Sample Name: MW-105

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC. #	QC LIMITS REC.
Arsenic	50.0	0.490	55.4	110	75 - 125
Barium	50.0	127	217	181 *	75 - 125
Cadmium	50.0	0.083	74.0	148 *	75 - 125
Chromium	50.0	1.01	60.9	120	75 - 125
Lead	50.0	0.484	46.6	92.2	75 - 125
Selenium	50.0	1.40	59.4	116	75 - 125
Silver	50.0	0.023	46.5	92.9	75 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

DUPLICATES**EPA 6020B****MW-105**Laboratory: York Analytical Laboratories, Inc. - StratfordSDG: 24K1290Client: HRP Associates, Inc.Project: 350-352 Liberty St. / NEW6313.RAMatrix: WaterLaboratory ID: BK41435-DUP1Batch: BK41435Lab Source ID: 24K1290-02Preparation: EPA 3015AInitial/Final: 45 mL / 50 mLSource Sample Name: MW-105

% Solids:

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (ug/L)	C	DUPLICATE CONCENTRATION (ug/L)	C	RPD %	Q	METHOD
Arsenic	20	ND		ND				EPA 6020B
Barium	20	141		153		8.41		EPA 6020B
Cadmium	20	ND		ND				EPA 6020B
Chromium	20	1.13		1.98		54.8	*	EPA 6020B
Lead	20	ND		ND				EPA 6020B
Selenium	20	1.56		1.44		7.85		EPA 6020B
Silver	20	ND		ND				EPA 6020B

* Values outside of QC limits

SERIAL DILUTION

EPA 6020B

MW-105

Laboratory: York Analytical Laboratories, Inc. - Stratford

SDG: 24K1290

Client: HRP Associates, Inc.

Project: 350-352 Liberty St. / NEW6313.RA

Matrix: Water

Laboratory ID: S4K2234-SRD1

Sequence: S4K2234

Lab Source ID: 24K1290-02

Preparation: BK41435

Initial/Final: 45 / 50

Source Sample Name: MW-105

% Solids:

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method	QC Limits % Difference
Arsenic	ND		ND				EPA 6020B	15
Barium	141		165		17.6	*	EPA 6020B	15
Cadmium	ND		ND				EPA 6020B	15
Chromium	1.13		ND				EPA 6020B	15
Lead	ND		ND				EPA 6020B	15
Selenium	1.56		7.52		382	*	EPA 6020B	200
Silver	ND		ND				EPA 6020B	15

* Values outside of QC limits

CRDL STANDARD

EPA 6020B

Laboratory: York Analytical Laboratories, Inc. - Stratford

SDG: 24K1290

Client: HRP Associates, Inc.

Project: 350-352 Liberty St. / NEW6313.RA

Instrument ID: Nexion2000C

Calibration: 11/22/24

Sequence: S4K2234

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limits
S4K2234-CRL1	Arsenic	1.00	0.888	88.8	ug/L	75 - 125
	Barium	1.00	0.958	95.8	ug/L	75 - 125
	Cadmium	1.00	1.14	114	ug/L	75 - 125
	Chromium	1.00	0.982	98.2	ug/L	75 - 125
	Lead	1.00	0.966	96.6	ug/L	75 - 125
	Selenium	1.00	2.31	231 *	ug/L	0 - 200
	Silver	1.00	1.02	102	ug/L	75 - 125

* Values outside of QC limits

Field Duplicate Calculation Section

Volatiles

Calculations for Field Duplicate Relative Percent Difference (RPD)

SDG No. 24K1290

S1= MW-105

S2= Dup

<u>Analyte</u>	<u>S1</u>	<u>S2</u>	<u>RPD (%)</u>	
Acrolein	1.05	1.25	17%	
Carbon disulfide	0.9	ND	NC	
Chloroform	0.83	1.13	31%	*
Tetrachloroethylene	0.24	ND	NC	

* RPD is above the allowable maximum 20%.

Results are in units of ug/L.

Bold numbers were values that are below the CRQL or above the high standard.

ND - Not detected.

NC - Not calculated, both results must be within the linear range for valid RPDs to be calculated.

EPA Method 1633 PFC

Calculations for Field Duplicate Relative Percent Difference (RPD)

SDG No. 24K1290

S1= MW-105

S2= Dup

<u>Analyte</u>	<u>S1</u>	<u>S2</u>	<u>RPD (%)</u>	
Perfluorobutanesulfonic acid (PFBS)	7.8	6.77	14%	
Perfluorohexanoic acid (PFHxA)	13	8.23	45%	*
Perfluoroheptanoic acid (PFHpA)	7.04	4.46	45%	*
Perfluorohexanesulfonic acid (PFHxS)	6.03	4.91	20%	
Perfluorooctanoic acid (PFOA)	20.9	13	47%	*
Perfluorooctanesulfonic acid (PFOS)	29.2	20.5	35%	*
Perfluorononanoic acid (PFNA)	2.67	1.98	30%	*
Perfluoropentanoic acid (PFPeA)	13.5	8.48	46%	*
Perfluoro-n-butanoic acid (PFBA)	7.08	7.88	11%	
Perfluoro-1-pentanesulfonate (PFPeS)	1.01	0.788	NC	

* RPD is above the allowable maximum 20%.

Results are in units of ng/L.

Bold numbers were values that are below the CRQL or above the high standard.

ND - Not detected.

NC - Not calculated, both results must be within the linear range for valid RPDs to be calculated.

RCRA Metals

Calculations for Field Duplicate Relative Percent Difference (RPD)

SDG No. 24K1290

S1= MW-105

S2= Dup

<u>Analyte</u>	<u>S1</u>	<u>S2</u>	<u>RPD (%)</u>
arsenic	ND	ND	NC
barium	141	152	8%
cadmium	ND	ND	NC
chromium	1.13	ND	NC
lead	ND	ND	NC
selenium	1.56	1.28	20%
silver	ND	ND	NC

* RPD is above the allowable maximum 20%.

Results are in units of ug/L.

Bold numbers were values that are below the CRDL.

ND - Not detected.

NC - Not calculated, both results must be above the CRDL for valid RPDs to be calculated.